



<FR1 n7_Ant 2_Index 10>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	20.9
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	19.83	19.86	19.82	
50	PI/2 BPSK	1	135	19.70	19.67	19.77	20.9
50	PI/2 BPSK	1	268	19.63	19.72	19.79	
50	PI/2 BPSK	135	0	19.68	19.77	19.76	
50	PI/2 BPSK	135	68	19.76	19.83	19.79	20.9
50	PI/2 BPSK	135	135	19.73	19.81	19.77	20.9
50	PI/2 BPSK	270	0	19.75	19.78	19.76	
50	QPSK	1	1	19.67	19.78	19.63	
50	QPSK	1	135	19.71	19.71	19.68	20.9
50	QPSK	1	268	19.74	19.69	19.76	
50	QPSK	135	0	19.70	19.71	19.73	
50	QPSK	135	68	19.64	19.65	19.71	20.9
50	QPSK	135	135	19.83	19.82	19.78	20.9
50	QPSK	270	0	19.80	19.78	19.82	
50	16QAM	1	1	19.66	19.78	19.74	
50	64QAM	1	1	19.81	19.65	19.78	20.9
50	256QAM	1	1	19.32	19.36	19.30	20.6
Channel				504000	507000	510000	20.9
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	19.83	19.80	19.71	
Channel				503000	507000	511000	20.9
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	19.83	19.70	19.78	
Channel				502500	507000	511500	20.9
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	19.68	19.78	19.76	
Channel				502000	507000	512000	20.9
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	19.74	19.64	19.79	
Channel				501500	507000	512500	20.9
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	19.81	19.78	19.63	
Channel				501000	507000	513000	20.9
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	19.81	19.69	19.72	
Channel				500500	507000	513500	20.9
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	19.74	19.76	19.74	



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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)
Channel				505000	507000	509000	21.9
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	20.32	20.40	20.28	
50	PI/2 BPSK	1	135	20.14	20.22	20.16	21.9
50	PI/2 BPSK	1	268	20.26	20.32	20.23	
50	PI/2 BPSK	135	0	20.21	20.25	20.22	
50	PI/2 BPSK	135	68	20.26	20.33	20.24	21.9
50	PI/2 BPSK	135	135	20.24	20.16	20.19	21.9
50	PI/2 BPSK	270	0	20.14	20.35	20.26	
50	QPSK	1	1	20.19	20.21	20.19	
50	QPSK	1	135	20.24	20.32	20.13	21.9
50	QPSK	1	268	20.21	20.27	20.13	
50	QPSK	135	0	20.27	20.32	20.12	
50	QPSK	135	68	20.27	20.32	20.16	21.9
50	QPSK	135	135	20.19	20.25	20.21	21.9
50	QPSK	270	0	20.30	20.24	20.20	
50	16QAM	1	1	20.29	20.28	20.24	
50	64QAM	1	1	20.20	20.22	20.14	21.9
50	256QAM	1	1	19.36	19.32	19.27	20.6
Channel				504000	507000	510000	21.9
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	20.28	20.32	20.17	
Channel				503000	507000	511000	21.9
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	20.27	20.33	20.17	
Channel				502500	507000	511500	21.9
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	20.18	20.32	20.23	
Channel				502000	507000	512000	21.9
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	20.26	20.32	20.19	
Channel				501500	507000	512500	21.9
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	20.28	20.22	20.28	
Channel				501000	507000	513000	21.9
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	20.28	20.28	20.10	
Channel				500500	507000	513500	21.9
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	20.25	20.26	20.26	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	20.1
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	19.83	19.86	19.82	
50	PI/2 BPSK	1	135	19.70	19.67	19.77	20.1
50	PI/2 BPSK	1	268	19.63	19.72	19.79	
50	PI/2 BPSK	135	0	19.68	19.77	19.76	
50	PI/2 BPSK	135	68	19.76	19.83	19.79	20.1
50	PI/2 BPSK	135	135	19.73	19.81	19.77	20.1
50	PI/2 BPSK	270	0	19.75	19.78	19.76	
50	QPSK	1	1	19.67	19.78	19.63	
50	QPSK	1	135	19.71	19.71	19.68	20.1
50	QPSK	1	268	19.74	19.69	19.76	
50	QPSK	135	0	19.70	19.71	19.73	
50	QPSK	135	68	19.64	19.65	19.71	20.1
50	QPSK	135	135	19.83	19.82	19.78	20.1
50	QPSK	270	0	19.80	19.78	19.82	
50	16QAM	1	1	19.66	19.78	19.74	
50	64QAM	1	1	19.81	19.65	19.78	20.1
50	256QAM	1	1	19.32	19.36	19.30	20.1
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	19.83	19.80	19.71	
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	19.83	19.70	19.78	
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	19.68	19.78	19.76	
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	19.74	19.64	19.79	
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	19.81	19.78	19.63	
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	19.81	19.69	19.72	
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	19.74	19.76	19.74	



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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)
Channel				505000	507000	509000	21.1
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	20.32	20.40	20.28	
50	PI/2 BPSK	1	135	20.14	20.22	20.16	21.1
50	PI/2 BPSK	1	268	20.26	20.32	20.23	
50	PI/2 BPSK	135	0	20.21	20.25	20.22	
50	PI/2 BPSK	135	68	20.26	20.33	20.24	21.1
50	PI/2 BPSK	135	135	20.24	20.16	20.19	21.1
50	PI/2 BPSK	270	0	20.14	20.35	20.26	
50	QPSK	1	1	20.19	20.21	20.19	
50	QPSK	1	135	20.24	20.32	20.13	21.1
50	QPSK	1	268	20.21	20.27	20.13	
50	QPSK	135	0	20.27	20.32	20.12	
50	QPSK	135	68	20.27	20.32	20.16	21.1
50	QPSK	135	135	20.19	20.25	20.21	21.1
50	QPSK	270	0	20.30	20.24	20.20	
50	16QAM	1	1	20.29	20.28	20.24	
50	64QAM	1	1	20.20	20.22	20.14	21.1
50	256QAM	1	1	19.36	19.32	19.27	20.6
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	20.28	20.32	20.17	
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	20.27	20.33	20.17	
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	20.18	20.32	20.23	
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	20.26	20.32	20.19	
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	20.28	20.22	20.28	
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	20.28	20.28	20.10	
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	20.25	20.26	20.26	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	24.20	24.24	24.22	
15	PI/2 BPSK	1	40	23.96	24.08	24.04	25.7
15	PI/2 BPSK	1	77	24.03	24.13	24.03	
15	PI/2 BPSK	36	0	23.64	23.70	23.65	
15	PI/2 BPSK	36	22	24.06	24.17	24.08	25.2
15	PI/2 BPSK	36	43	23.59	23.73	23.67	25.2
15	PI/2 BPSK	75	0	23.61	23.66	23.54	
15	QPSK	1	1	24.18	24.23	24.11	
15	QPSK	1	40	24.00	24.12	24.01	25.7
15	QPSK	1	77	24.10	24.16	24.08	
15	QPSK	36	0	23.09	23.19	23.09	
15	QPSK	36	22	24.08	24.16	24.11	24.7
15	QPSK	36	43	23.16	23.22	23.18	25.7
15	QPSK	75	0	23.10	23.17	23.08	
15	16QAM	1	1	23.10	23.24	23.19	
15	64QAM	1	1	21.51	21.63	21.58	24.7
	256QAM	1	1	19.57	19.67	19.63	23.2
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.13	24.23	24.11	
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	24.00	24.07	24.22	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	22.07	22.13	22.10	
15	PI/2 BPSK	1	40	21.89	21.93	22.07	22.7
15	PI/2 BPSK	1	77	21.96	21.98	22.10	
15	PI/2 BPSK	36	0	22.04	22.09	22.05	
15	PI/2 BPSK	36	22	21.92	22.06	22.02	22.7
15	PI/2 BPSK	36	43	21.96	22.01	21.93	22.7
15	PI/2 BPSK	75	0	21.93	21.98	21.95	
15	QPSK	1	1	21.99	22.02	21.92	
15	QPSK	1	40	22.01	22.04	22.00	22.7
15	QPSK	1	77	21.99	22.06	22.06	
15	QPSK	36	0	21.98	21.96	22.02	
15	QPSK	36	22	21.90	21.93	21.98	22.7
15	QPSK	36	43	21.91	22.07	21.91	22.7
15	QPSK	75	0	21.93	22.11	21.90	
15	16QAM	1	1	21.89	22.12	21.92	
15	64QAM	1	1	21.30	21.35	21.28	22.7
	256QAM	1	1	19.41	19.45	19.48	21.2
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	21.94	21.98	21.99	
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	21.92	22.04	22.06	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	24.20	24.24	24.22	
15	PI/2 BPSK	1	40	23.96	24.08	24.04	25.7
15	PI/2 BPSK	1	77	24.03	24.13	24.03	
15	PI/2 BPSK	36	0	23.64	23.70	23.65	
15	PI/2 BPSK	36	22	24.06	24.17	24.08	25.2
15	PI/2 BPSK	36	43	23.59	23.73	23.67	25.7
15	PI/2 BPSK	75	0	23.61	23.66	23.54	
15	QPSK	1	1	24.18	24.23	24.11	
15	QPSK	1	40	24.00	24.12	24.01	25.7
15	QPSK	1	77	24.10	24.16	24.08	
15	QPSK	36	0	23.09	23.19	23.09	
15	QPSK	36	22	24.08	24.16	24.11	24.7
15	QPSK	36	43	23.16	23.22	23.18	25.7
15	QPSK	75	0	23.10	23.17	23.08	
15	16QAM	1	1	23.10	23.24	23.19	
15	64QAM	1	1	21.51	21.63	21.58	24.7
	256QAM	1	1	19.57	19.67	19.63	23.2
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.13	24.23	24.11	
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	24.00	24.07	24.22	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.94	23.96	23.99	
15	PI/2 BPSK	1	40	23.84	23.74	23.77	25.7
15	PI/2 BPSK	1	77	23.78	23.80	23.80	
15	PI/2 BPSK	36	0	23.30	23.35	23.36	
15	PI/2 BPSK	36	22	23.79	23.86	23.87	25.2
15	PI/2 BPSK	36	43	23.36	23.40	23.38	25.7
15	PI/2 BPSK	75	0	23.23	23.33	23.28	
15	QPSK	1	1	23.84	23.89	23.90	
15	QPSK	1	40	23.86	23.76	23.89	25.7
15	QPSK	1	77	23.79	23.82	23.85	
15	QPSK	36	0	22.82	22.86	22.84	
15	QPSK	36	22	23.73	23.85	23.87	24.7
15	QPSK	36	43	22.82	22.90	22.92	25.7
15	QPSK	75	0	22.80	22.87	22.80	
15	16QAM	1	1	22.75	22.84	22.84	
15	64QAM	1	1	21.24	21.34	21.29	24.7
	256QAM	1	1	19.21	19.32	19.31	23.2
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.93	23.80	23.90	
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.78	23.91	23.87	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	24.20	24.24	24.22	
15	PI/2 BPSK	1	40	23.96	24.08	24.04	25.7
15	PI/2 BPSK	1	77	24.03	24.13	24.03	
15	PI/2 BPSK	36	0	23.64	23.70	23.65	
15	PI/2 BPSK	36	22	24.06	24.17	24.08	25.2
15	PI/2 BPSK	36	43	23.59	23.73	23.67	25.7
15	PI/2 BPSK	75	0	23.61	23.66	23.54	
15	QPSK	1	1	24.18	24.23	24.11	
15	QPSK	1	40	24.00	24.12	24.01	25.7
15	QPSK	1	77	24.10	24.16	24.08	
15	QPSK	36	0	23.09	23.19	23.09	
15	QPSK	36	22	24.08	24.16	24.11	24.7
15	QPSK	36	43	23.16	23.22	23.18	25.7
15	QPSK	75	0	23.10	23.17	23.08	
15	16QAM	1	1	23.10	23.24	23.19	
15	64QAM	1	1	21.51	21.63	21.58	24.7
	256QAM	1	1	19.57	19.67	19.63	23.2
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.13	24.23	24.11	
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	24.00	24.07	24.22	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.94	23.96	23.99	
15	PI/2 BPSK	1	40	23.84	23.74	23.77	25.7
15	PI/2 BPSK	1	77	23.78	23.80	23.80	
15	PI/2 BPSK	36	0	23.30	23.35	23.36	
15	PI/2 BPSK	36	22	23.79	23.86	23.87	25.2
15	PI/2 BPSK	36	43	23.36	23.40	23.38	25.7
15	PI/2 BPSK	75	0	23.23	23.33	23.28	
15	QPSK	1	1	23.84	23.89	23.90	
15	QPSK	1	40	23.86	23.76	23.89	25.7
15	QPSK	1	77	23.79	23.82	23.85	
15	QPSK	36	0	22.82	22.86	22.84	
15	QPSK	36	22	23.73	23.85	23.87	24.7
15	QPSK	36	43	22.82	22.90	22.92	25.7
15	QPSK	75	0	22.80	22.87	22.80	
15	16QAM	1	1	22.75	22.84	22.84	
15	64QAM	1	1	21.24	21.34	21.29	24.7
	256QAM	1	1	19.21	19.32	19.31	23.2
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.93	23.80	23.90	
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.78	23.91	23.87	

<FR1 n12_Ant 0_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	24.20	24.24	24.22	
15	PI/2 BPSK	1	40	23.96	24.08	24.04	25.7
15	PI/2 BPSK	1	77	24.03	24.13	24.03	
15	PI/2 BPSK	36	0	23.64	23.70	23.65	
15	PI/2 BPSK	36	22	24.06	24.17	24.08	25.2
15	PI/2 BPSK	36	43	23.59	23.73	23.67	25.7
15	PI/2 BPSK	75	0	23.61	23.66	23.54	
15	QPSK	1	1	24.18	24.23	24.11	
15	QPSK	1	40	24.00	24.12	24.01	25.7
15	QPSK	1	77	24.10	24.16	24.08	
15	QPSK	36	0	23.09	23.19	23.09	
15	QPSK	36	22	24.08	24.16	24.11	24.7
15	QPSK	36	43	23.16	23.22	23.18	25.7
15	QPSK	75	0	23.10	23.17	23.08	
15	16QAM	1	1	23.10	23.24	23.19	
15	64QAM	1	1	21.51	21.63	21.58	24.7
	256QAM	1	1	19.57	19.67	19.63	23.2
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.13	24.23	24.11	
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	24.00	24.07	24.22	

<FR1 n12_Ant 1_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.94	23.96	23.99	
15	PI/2 BPSK	1	40	23.84	23.74	23.77	25.7
15	PI/2 BPSK	1	77	23.78	23.80	23.80	
15	PI/2 BPSK	36	0	23.30	23.35	23.36	
15	PI/2 BPSK	36	22	23.79	23.86	23.87	25.2
15	PI/2 BPSK	36	43	23.36	23.40	23.38	25.7
15	PI/2 BPSK	75	0	23.23	23.33	23.28	
15	QPSK	1	1	23.84	23.89	23.90	
15	QPSK	1	40	23.86	23.76	23.89	25.7
15	QPSK	1	77	23.79	23.82	23.85	
15	QPSK	36	0	22.82	22.86	22.84	
15	QPSK	36	22	23.73	23.85	23.87	24.7
15	QPSK	36	43	22.82	22.90	22.92	25.7
15	QPSK	75	0	22.80	22.87	22.80	
15	16QAM	1	1	22.75	22.84	22.84	
15	64QAM	1	1	21.24	21.34	21.29	24.7
	256QAM	1	1	19.21	19.32	19.31	23.2
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.93	23.80	23.90	
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.78	23.91	23.87	

**<FR1 n14_Ant 0_Index 7/8>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		24.29		25.7
10	PI/2 BPSK	1	26		24.08		
10	PI/2 BPSK	1	50		24.00		
10	PI/2 BPSK	25	0		23.69		25.2
10	PI/2 BPSK	25	14		24.25		25.7
10	PI/2 BPSK	25	27		23.73		25.2
10	PI/2 BPSK	50	0		23.71		
10	QPSK	1	1		24.25		25.7
10	QPSK	1	26		24.23		
10	QPSK	1	50		24.22		
10	QPSK	25	0		23.21		24.7
10	QPSK	25	14		24.16		25.7
10	QPSK	25	27		23.12		24.7
10	QPSK	50	0		23.13		
10	16QAM	1	1		23.15		24.7
10	64QAM	1	1		21.85		23.2
10	256QAM	1	1		19.74		21.2
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	24.09	24.20	24.18	25.7

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		22.98		24.1
10	PI/2 BPSK	1	26		22.96		
10	PI/2 BPSK	1	50		22.96		
10	PI/2 BPSK	25	0		22.93		24.1
10	PI/2 BPSK	25	14		22.89		24.1
10	PI/2 BPSK	25	27		22.83		24.1
10	PI/2 BPSK	50	0		22.90		
10	QPSK	1	1		22.96		24.1
10	QPSK	1	26		22.85		
10	QPSK	1	50		22.88		
10	QPSK	25	0		22.92		24.1
10	QPSK	25	14		22.86		24.1
10	QPSK	25	27		22.95		24.1
10	QPSK	50	0		22.88		
10	16QAM	1	1		22.93		24.1
10	64QAM	1	1		21.70		23.2
10	256QAM	1	1		19.74		21.2
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	22.88	22.91	22.79	24.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		24.29		25.4
10	PI/2 BPSK	1	26		24.08		
10	PI/2 BPSK	1	50		24.00		
10	PI/2 BPSK	25	0		23.69		25.2
10	PI/2 BPSK	25	14		24.25		25.4
10	PI/2 BPSK	25	27		23.73		25.2
10	PI/2 BPSK	50	0		23.71		
10	QPSK	1	1		24.25		25.4
10	QPSK	1	26		24.23		
10	QPSK	1	50		24.22		
10	QPSK	25	0		23.21		24.7
10	QPSK	25	14		24.16		25.4
10	QPSK	25	27		23.12		24.7
10	QPSK	50	0		23.13		
10	16QAM	1	1		23.15		24.7
10	64QAM	1	1		21.85		23.2
10	256QAM	1	1		19.74		21.2
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	24.09	24.20	24.18	25.4

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		24.25		25.7
10	PI/2 BPSK	1	26		24.21		
10	PI/2 BPSK	1	50		23.98		
10	PI/2 BPSK	25	0		23.54		25.2
10	PI/2 BPSK	25	14		24.08		25.7
10	PI/2 BPSK	25	27		23.56		25.2
10	PI/2 BPSK	50	0		23.63		
10	QPSK	1	1		24.19		25.7
10	QPSK	1	26		24.04		
10	QPSK	1	50		24.05		
10	QPSK	25	0		24.02		24.7
10	QPSK	25	14		24.03		25.7
10	QPSK	25	27		23.99		24.7
10	QPSK	50	0		23.14		
10	16QAM	1	1		24.00		24.7
10	64QAM	1	1		21.67		23.2
10	256QAM	1	1		19.65		21.2
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	24.19	23.77	23.85	25.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		24.29		25.7
10	PI/2 BPSK	1	26		24.08		
10	PI/2 BPSK	1	50		24.00		
10	PI/2 BPSK	25	0		23.69		25.2
10	PI/2 BPSK	25	14		24.25		25.7
10	PI/2 BPSK	25	27		23.73		25.2
10	PI/2 BPSK	50	0		23.71		
10	QPSK	1	1		24.25		25.7
10	QPSK	1	26		24.23		
10	QPSK	1	50		24.22		
10	QPSK	25	0		23.21		24.7
10	QPSK	25	14		24.16		25.7
10	QPSK	25	27		23.12		24.7
10	QPSK	50	0		23.13		
10	16QAM	1	1		23.15		24.7
10	64QAM	1	1		21.85		23.2
10	256QAM	1	1		19.74		21.2
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	24.09	24.20	24.18	25.7

<FR1 n14_Ant 1_Index 10>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		24.25		25.7
10	PI/2 BPSK	1	26		24.21		
10	PI/2 BPSK	1	50		23.98		
10	PI/2 BPSK	25	0		23.54		25.2
10	PI/2 BPSK	25	14		24.08		25.7
10	PI/2 BPSK	25	27		23.56		25.2
10	PI/2 BPSK	50	0		23.63		
10	QPSK	1	1		24.19		25.7
10	QPSK	1	26		24.04		
10	QPSK	1	50		24.05		
10	QPSK	25	0		24.02		24.7
10	QPSK	25	14		24.03		25.7
10	QPSK	25	27		23.99		24.7
10	QPSK	50	0		23.14		
10	16QAM	1	1		24.00		24.7
10	64QAM	1	1		21.67		23.2
10	256QAM	1	1		19.65		21.2
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	24.19	23.77	23.85	25.7

<FR1 n14_Ant 0_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		24.29		25.4
10	PI/2 BPSK	1	26		24.08		
10	PI/2 BPSK	1	50		24.00		
10	PI/2 BPSK	25	0		23.69		25.2
10	PI/2 BPSK	25	14		24.25		25.4
10	PI/2 BPSK	25	27		23.73		25.2
10	PI/2 BPSK	50	0		23.71		
10	QPSK	1	1		24.25		25.4
10	QPSK	1	26		24.23		
10	QPSK	1	50		24.22		
10	QPSK	25	0		23.21		24.7
10	QPSK	25	14		24.16		25.4
10	QPSK	25	27		23.12		24.7
10	QPSK	50	0		23.13		
10	16QAM	1	1		23.15		24.7
10	64QAM	1	1		21.85		23.2
10	256QAM	1	1		19.74		21.2
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	24.09	24.20	24.18	25.4

<FR1 n14_Ant 1_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		24.25		25.7
10	PI/2 BPSK	1	26		24.21		
10	PI/2 BPSK	1	50		23.98		
10	PI/2 BPSK	25	0		23.54		25.2
10	PI/2 BPSK	25	14		24.08		25.7
10	PI/2 BPSK	25	27		23.56		25.2
10	PI/2 BPSK	50	0		23.63		
10	QPSK	1	1		24.19		25.7
10	QPSK	1	26		24.04		
10	QPSK	1	50		24.05		
10	QPSK	25	0		24.02		24.7
10	QPSK	25	14		24.03		25.7
10	QPSK	25	27		23.99		24.7
10	QPSK	50	0		23.14		
10	16QAM	1	1		24.00		24.7
10	64QAM	1	1		21.67		23.2
10	256QAM	1	1		19.65		21.2
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	24.19	23.77	23.85	25.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	25.3
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	24.18	24.20	24.12	
40	PI/2 BPSK	1	108	24.09	24.19	24.04	24.8
40	PI/2 BPSK	1	214	23.90	23.92	23.80	
40	PI/2 BPSK	108	0	23.58	23.61	23.45	
40	PI/2 BPSK	108	54	23.95	24.02	23.91	24.8
40	PI/2 BPSK	108	108	23.51	23.53	23.42	
40	PI/2 BPSK	216	0	23.35	23.47	23.29	
40	QPSK	1	1	23.88	23.98	23.83	25.3
40	QPSK	1	108	23.86	23.95	23.87	
40	QPSK	1	214	23.87	23.91	23.74	
40	QPSK	108	0	22.89	22.92	22.83	25.3
40	QPSK	108	54	23.84	23.96	23.84	
40	QPSK	108	108	22.84	22.93	22.83	
40	QPSK	216	0	22.86	22.94	22.82	24.3
40	16QAM	1	1	23.01	23.04	22.91	
40	64QAM	1	1	21.42	21.53	21.36	
40	256QAM	1	1	19.63	19.73	19.56	20.8
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	23.98	24.11	24.09	25.3
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	24.07	24.06	23.99	25.3
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	23.98	24.01	24.00	25.3
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	24.11	24.03	23.95	25.3
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	24.00	24.11	23.93	25.3
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	24.12	24.13	24.09	25.3
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	24.10	24.05	24.10	25.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	16.5
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	16.11	16.13	16.07	
40	PI/2 BPSK	1	108	16.02	16.06	16.02	16.5
40	PI/2 BPSK	1	214	15.93	15.97	15.93	
40	PI/2 BPSK	108	0	16.06	16.09	15.98	
40	PI/2 BPSK	108	54	16.03	16.06	15.95	16.5
40	PI/2 BPSK	108	108	15.99	16.09	15.97	16.5
40	PI/2 BPSK	216	0	16.09	16.07	16.05	
40	QPSK	1	1	16.09	16.05	16.07	
40	QPSK	1	108	16.00	15.97	16.07	16.5
40	QPSK	1	214	16.04	16.12	15.90	
40	QPSK	108	0	16.04	15.98	15.92	
40	QPSK	108	54	16.04	16.07	15.99	16.5
40	QPSK	108	108	16.05	15.98	16.02	16.5
40	QPSK	216	0	15.91	16.06	15.98	
40	16QAM	1	1	16.11	16.07	15.87	
40	64QAM	1	1	16.01	16.02	15.97	16.5
40	256QAM	1	1	15.92	16.00	15.95	16.5
Channel				373500	376500	379500	16.5
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	15.95	16.03	15.91	
Channel				373000	376500	380000	16.5
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	15.97	16.06	15.87	
Channel				372500	376500	380500	16.5
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	16.04	16.07	16.00	
Channel				372000	376500	381000	16.5
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	16.08	16.12	15.90	
Channel				371500	376500	381500	16.5
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	15.95	15.94	16.01	
Channel				371000	376500	382000	16.5
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	16.03	15.95	15.93	
Channel				370500	376500	382500	16.5
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	16.01	16.12	15.96	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	25.3
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	24.00	23.90	23.81	
40	PI/2 BPSK	1	108	23.88	23.83	23.70	24.8
40	PI/2 BPSK	1	214	23.88	23.82	23.70	
40	PI/2 BPSK	108	0	23.44	23.40	23.22	
40	PI/2 BPSK	108	54	23.90	23.88	23.73	24.8
40	PI/2 BPSK	108	108	23.42	23.35	23.18	
40	PI/2 BPSK	216	0	23.46	23.37	23.19	
40	QPSK	1	1	23.99	23.89	23.77	25.3
40	QPSK	1	108	23.88	23.84	23.74	
40	QPSK	1	214	23.88	23.80	23.64	
40	QPSK	108	0	22.93	22.83	22.69	24.3
40	QPSK	108	54	23.93	23.88	23.69	
40	QPSK	108	108	22.89	22.86	22.75	
40	QPSK	216	0	22.83	22.81	22.67	24.3
40	16QAM	1	1	22.78	22.76	22.69	
40	64QAM	1	1	21.54	21.52	21.34	
40	256QAM	1	1	19.64	19.61	19.45	20.8
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	23.89	23.82	23.67	25.3
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	23.96	23.88	23.78	25.3
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	23.96	23.77	23.80	25.3
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.85	23.71	23.78	25.3
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.99	23.78	23.62	25.3
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.83	23.80	23.75	25.3
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.96	23.78	23.67	25.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	24.8
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	23.52	23.54	23.43	
40	PI/2 BPSK	1	108	23.39	23.47	23.30	24.5
40	PI/2 BPSK	1	214	23.37	23.36	23.35	
40	PI/2 BPSK	108	0	22.85	22.96	22.85	
40	PI/2 BPSK	108	54	23.39	23.51	23.37	24.5
40	PI/2 BPSK	108	108	23.08	23.14	23.02	
40	PI/2 BPSK	216	0	22.88	22.90	22.87	
40	QPSK	1	1	23.46	23.52	23.35	24.8
40	QPSK	1	108	23.47	23.49	23.35	
40	QPSK	1	214	23.39	23.41	23.30	
40	QPSK	108	0	22.45	22.51	22.34	24.8
40	QPSK	108	54	23.40	23.42	23.46	
40	QPSK	108	108	22.49	22.53	22.40	
40	QPSK	216	0	22.49	22.51	22.37	24.0
40	16QAM	1	1	22.41	22.33	22.35	
40	64QAM	1	1	22.18	22.29	22.16	
40	256QAM	1	1	19.44	19.53	19.36	20.5
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	23.36	23.41	23.30	24.8
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	23.45	23.44	23.37	24.8
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	23.39	23.45	23.37	24.8
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.38	23.40	23.31	24.8
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.45	23.43	23.38	24.8
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.43	23.45	23.33	24.8
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.35	23.45	23.43	24.8

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	17.7
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	17.53	17.60	17.49	
40	PI/2 BPSK	1	108	17.31	17.49	17.47	17.7
40	PI/2 BPSK	1	214	17.47	17.37	17.34	
40	PI/2 BPSK	108	0	17.42	17.42	17.33	
40	PI/2 BPSK	108	54	17.43	17.46	17.40	17.7
40	PI/2 BPSK	108	108	17.41	17.45	17.36	17.7
40	PI/2 BPSK	216	0	17.47	17.48	17.46	
40	QPSK	1	1	17.36	17.48	17.34	
40	QPSK	1	108	17.42	17.37	17.43	17.7
40	QPSK	1	214	17.40	17.47	17.35	
40	QPSK	108	0	17.33	17.37	17.29	
40	QPSK	108	54	17.34	17.49	17.46	17.7
40	QPSK	108	108	17.37	17.46	17.48	17.7
40	QPSK	216	0	17.42	17.48	17.35	
40	16QAM	1	1	17.47	17.42	17.44	
40	64QAM	1	1	17.33	17.34	17.30	17.7
40	256QAM	1	1	17.46	17.47	17.29	17.7
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	17.45	17.45	17.39	
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	17.33	17.56	17.37	
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	17.44	17.48	17.43	
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	17.37	17.45	17.37	
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	17.34	17.42	17.37	
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	17.36	17.42	17.29	
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	17.36	17.45	17.35	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	16.6
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	16.11	16.13	16.07	
40	PI/2 BPSK	1	108	16.02	16.06	16.02	16.6
40	PI/2 BPSK	1	214	15.93	15.97	15.93	
40	PI/2 BPSK	108	0	16.06	16.09	15.98	
40	PI/2 BPSK	108	54	16.03	16.06	15.95	16.6
40	PI/2 BPSK	108	108	15.99	16.09	15.97	16.6
40	PI/2 BPSK	216	0	16.09	16.07	16.05	
40	QPSK	1	1	16.09	16.05	16.07	
40	QPSK	1	108	16.00	15.97	16.07	16.6
40	QPSK	1	214	16.04	16.12	15.90	
40	QPSK	108	0	16.04	15.98	15.92	
40	QPSK	108	54	16.04	16.07	15.99	16.6
40	QPSK	108	108	16.05	15.98	16.02	16.6
40	QPSK	216	0	15.91	16.06	15.98	
40	16QAM	1	1	16.11	16.07	15.87	
40	64QAM	1	1	16.01	16.02	15.97	16.6
40	256QAM	1	1	15.92	16.00	15.95	16.6
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	15.95	16.03	15.91	
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	15.97	16.06	15.87	
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	16.04	16.07	16.00	
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	16.08	16.12	15.90	
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	15.95	15.94	16.01	
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	16.03	15.95	15.93	
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	16.01	16.12	15.96	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	20.0
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	19.62	19.68	19.60	
40	PI/2 BPSK	1	108	19.59	19.65	19.54	20.0
40	PI/2 BPSK	1	214	19.52	19.65	19.41	
40	PI/2 BPSK	108	0	19.52	19.55	19.47	
40	PI/2 BPSK	108	54	19.57	19.65	19.58	20.0
40	PI/2 BPSK	108	108	19.48	19.54	19.54	20.0
40	PI/2 BPSK	216	0	19.54	19.66	19.43	
40	QPSK	1	1	19.43	19.49	19.40	
40	QPSK	1	108	19.47	19.62	19.48	20.0
40	QPSK	1	214	19.62	19.56	19.59	
40	QPSK	108	0	19.50	19.57	19.50	
40	QPSK	108	54	19.56	19.57	19.40	20.0
40	QPSK	108	108	19.44	19.63	19.40	20.0
40	QPSK	216	0	19.55	19.57	19.52	
40	16QAM	1	1	19.44	19.66	19.58	
40	64QAM	1	1	19.54	19.52	19.47	20.0
40	256QAM	1	1	19.32	19.35	19.28	20.0
Channel				373500	376500	379500	20.0
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	19.48	19.56	19.47	
Channel				373000	376500	380000	20.0
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	19.53	19.52	19.41	
Channel				372500	376500	380500	20.0
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	19.54	19.59	19.60	
Channel				372000	376500	381000	20.0
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	19.61	19.64	19.53	
Channel				371500	376500	381500	20.0
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	19.51	19.61	19.42	
Channel				371000	376500	382000	20.0
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	19.57	19.66	19.55	
Channel				370500	376500	382500	20.0
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	19.50	19.54	19.43	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	22.4
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	21.86	21.91	21.79	
40	PI/2 BPSK	1	108	21.76	21.86	21.63	22.4
40	PI/2 BPSK	1	214	21.69	21.69	21.67	
40	PI/2 BPSK	108	0	21.70	21.80	21.72	
40	PI/2 BPSK	108	54	21.84	21.89	21.84	22.4
40	PI/2 BPSK	108	108	21.80	21.85	21.83	22.4
40	PI/2 BPSK	216	0	21.74	21.74	21.71	
40	QPSK	1	1	21.86	21.82	21.73	
40	QPSK	1	108	21.82	21.83	21.65	22.4
40	QPSK	1	214	21.69	21.77	21.60	
40	QPSK	108	0	21.26	21.32	21.34	
40	QPSK	108	54	21.73	21.76	21.84	22.4
40	QPSK	108	108	21.31	21.42	21.22	22.4
40	QPSK	216	0	21.35	21.36	21.38	
40	16QAM	1	1	21.31	21.36	21.21	
40	64QAM	1	1	20.98	21.19	20.99	22.4
40	256QAM	1	1	19.44	19.53	19.36	20.5
Channel				373500	376500	379500	22.4
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	21.73	21.71	21.68	
Channel				373000	376500	380000	22.4
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	21.82	21.76	21.68	
Channel				372500	376500	380500	22.4
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	21.76	21.80	21.68	
Channel				372000	376500	381000	22.4
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	21.74	21.77	21.69	
Channel				371500	376500	381500	22.4
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	21.81	21.78	21.71	
Channel				371000	376500	382000	22.4
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	21.82	21.82	21.63	
Channel				370500	376500	382500	22.4
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	21.73	21.79	21.80	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	18.5
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	17.53	17.60	17.49	
40	PI/2 BPSK	1	108	17.31	17.49	17.47	18.5
40	PI/2 BPSK	1	214	17.47	17.37	17.34	
40	PI/2 BPSK	108	0	17.42	17.42	17.33	
40	PI/2 BPSK	108	54	17.43	17.46	17.40	18.5
40	PI/2 BPSK	108	108	17.41	17.45	17.36	18.5
40	PI/2 BPSK	216	0	17.47	17.48	17.46	
40	QPSK	1	1	17.36	17.48	17.34	
40	QPSK	1	108	17.42	17.37	17.43	18.5
40	QPSK	1	214	17.40	17.47	17.35	
40	QPSK	108	0	17.33	17.37	17.29	
40	QPSK	108	54	17.34	17.49	17.46	18.5
40	QPSK	108	108	17.37	17.46	17.48	18.5
40	QPSK	216	0	17.42	17.48	17.35	
40	16QAM	1	1	17.47	17.42	17.44	
40	64QAM	1	1	17.33	17.34	17.30	18.5
40	256QAM	1	1	17.46	17.47	17.29	18.5
Channel				373500	376500	379500	18.5
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	17.45	17.45	17.39	
Channel				373000	376500	380000	18.5
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	17.33	17.56	17.37	
Channel				372500	376500	380500	18.5
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	17.44	17.48	17.43	
Channel				372000	376500	381000	18.5
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	17.37	17.45	17.37	
Channel				371500	376500	381500	18.5
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	17.34	17.42	17.37	
Channel				371000	376500	382000	18.5
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	17.36	17.42	17.29	
Channel				370500	376500	382500	18.5
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	17.36	17.45	17.35	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	19.1
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	18.12	18.13	18.07	
40	PI/2 BPSK	1	108	18.10	18.08	18.05	19.1
40	PI/2 BPSK	1	214	18.00	18.08	18.05	
40	PI/2 BPSK	108	0	17.99	17.96	17.98	
40	PI/2 BPSK	108	54	18.08	18.04	18.00	19.1
40	PI/2 BPSK	108	108	17.92	17.99	17.93	19.1
40	PI/2 BPSK	216	0	18.06	17.99	17.93	
40	QPSK	1	1	17.93	18.12	18.04	
40	QPSK	1	108	18.03	18.00	17.86	19.1
40	QPSK	1	214	18.09	17.97	17.91	
40	QPSK	108	0	18.04	18.03	18.01	
40	QPSK	108	54	18.08	18.10	17.85	19.1
40	QPSK	108	108	18.08	17.98	18.02	19.1
40	QPSK	216	0	17.92	18.00	17.96	
40	16QAM	1	1	18.02	18.00	17.88	
40	64QAM	1	1	17.94	17.95	17.93	19.1
40	256QAM	1	1	18.07	18.06	18.02	19.1
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	18.06	17.96	17.95	
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	18.06	18.00	17.92	
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	18.07	17.98	17.92	
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	17.98	17.97	18.04	
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	17.96	17.99	18.04	
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	17.92	18.11	18.03	
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	18.02	18.12	17.94	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	20.8
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	19.62	19.68	19.60	
40	PI/2 BPSK	1	108	19.59	19.65	19.54	20.8
40	PI/2 BPSK	1	214	19.52	19.65	19.41	
40	PI/2 BPSK	108	0	19.52	19.55	19.47	
40	PI/2 BPSK	108	54	19.57	19.65	19.58	20.8
40	PI/2 BPSK	108	108	19.48	19.54	19.54	20.8
40	PI/2 BPSK	216	0	19.54	19.66	19.43	
40	QPSK	1	1	19.43	19.49	19.40	
40	QPSK	1	108	19.47	19.62	19.48	20.8
40	QPSK	1	214	19.62	19.56	19.59	
40	QPSK	108	0	19.50	19.57	19.50	
40	QPSK	108	54	19.56	19.57	19.40	20.8
40	QPSK	108	108	19.44	19.63	19.40	20.8
40	QPSK	216	0	19.55	19.57	19.52	
40	16QAM	1	1	19.44	19.66	19.58	
40	64QAM	1	1	19.54	19.52	19.47	20.8
40	256QAM	1	1	19.32	19.35	19.28	20.8
Channel				373500	376500	379500	20.8
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	19.48	19.56	19.47	
Channel				373000	376500	380000	20.8
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	19.53	19.52	19.41	
Channel				372500	376500	380500	20.8
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	19.54	19.59	19.60	
Channel				372000	376500	381000	20.8
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	19.61	19.64	19.53	
Channel				371500	376500	381500	20.8
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	19.51	19.61	19.42	
Channel				371000	376500	382000	20.8
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	19.57	19.66	19.55	
Channel				370500	376500	382500	20.8
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	19.50	19.54	19.43	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	23.2
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	21.86	21.91	21.79	
40	PI/2 BPSK	1	108	21.76	21.86	21.63	23.2
40	PI/2 BPSK	1	214	21.69	21.69	21.67	
40	PI/2 BPSK	108	0	21.70	21.80	21.72	
40	PI/2 BPSK	108	54	21.84	21.89	21.84	23.2
40	PI/2 BPSK	108	108	21.80	21.85	21.83	
40	PI/2 BPSK	216	0	21.74	21.74	21.71	
40	QPSK	1	1	21.86	21.82	21.73	23.2
40	QPSK	1	108	21.82	21.83	21.65	
40	QPSK	1	214	21.69	21.77	21.60	
40	QPSK	108	0	21.26	21.32	21.34	23.2
40	QPSK	108	54	21.73	21.76	21.84	
40	QPSK	108	108	21.31	21.42	21.22	
40	QPSK	216	0	21.35	21.36	21.38	23.2
40	16QAM	1	1	21.31	21.36	21.21	
40	64QAM	1	1	20.98	21.19	20.99	
40	256QAM	1	1	19.44	19.53	19.36	20.5
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	21.73	21.71	21.68	
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	21.82	21.76	21.68	
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	21.76	21.80	21.68	
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	21.74	21.77	21.69	
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	21.81	21.78	21.71	
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	21.82	21.82	21.63	
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	21.73	21.79	21.80	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	17.7
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	17.53	17.60	17.49	
40	PI/2 BPSK	1	108	17.31	17.49	17.47	17.7
40	PI/2 BPSK	1	214	17.47	17.37	17.34	
40	PI/2 BPSK	108	0	17.42	17.42	17.33	
40	PI/2 BPSK	108	54	17.43	17.46	17.40	17.7
40	PI/2 BPSK	108	108	17.41	17.45	17.36	17.7
40	PI/2 BPSK	216	0	17.47	17.48	17.46	
40	QPSK	1	1	17.36	17.48	17.34	
40	QPSK	1	108	17.42	17.37	17.43	17.7
40	QPSK	1	214	17.40	17.47	17.35	
40	QPSK	108	0	17.33	17.37	17.29	
40	QPSK	108	54	17.34	17.49	17.46	17.7
40	QPSK	108	108	17.37	17.46	17.48	17.7
40	QPSK	216	0	17.42	17.48	17.35	
40	16QAM	1	1	17.47	17.42	17.44	
40	64QAM	1	1	17.33	17.34	17.30	17.7
40	256QAM	1	1	17.46	17.47	17.29	17.7
Channel				373500	376500	379500	17.7
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	17.45	17.45	17.39	
Channel				373000	376500	380000	17.7
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	17.33	17.56	17.37	
Channel				372500	376500	380500	17.7
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	17.44	17.48	17.43	
Channel				372000	376500	381000	17.7
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	17.37	17.45	17.37	
Channel				371500	376500	381500	17.7
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	17.34	17.42	17.37	
Channel				371000	376500	382000	17.7
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	17.36	17.42	17.29	
Channel				370500	376500	382500	17.7
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	17.36	17.45	17.35	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	18.3
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	18.12	18.13	18.07	
40	PI/2 BPSK	1	108	18.10	18.08	18.05	18.3
40	PI/2 BPSK	1	214	18.00	18.08	18.05	
40	PI/2 BPSK	108	0	17.99	17.96	17.98	
40	PI/2 BPSK	108	54	18.08	18.04	18.00	18.3
40	PI/2 BPSK	108	108	17.92	17.99	17.93	18.3
40	PI/2 BPSK	216	0	18.06	17.99	17.93	
40	QPSK	1	1	17.93	18.12	18.04	
40	QPSK	1	108	18.03	18.00	17.86	18.3
40	QPSK	1	214	18.09	17.97	17.91	
40	QPSK	108	0	18.04	18.03	18.01	
40	QPSK	108	54	18.08	18.10	17.85	18.3
40	QPSK	108	108	18.08	17.98	18.02	18.3
40	QPSK	216	0	17.92	18.00	17.96	
40	16QAM	1	1	18.02	18.00	17.88	
40	64QAM	1	1	17.94	17.95	17.93	18.3
40	256QAM	1	1	18.07	18.06	18.02	18.3
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	18.06	17.96	17.95	
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	18.06	18.00	17.92	
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	18.07	17.98	17.92	
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	17.98	17.97	18.04	
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	17.96	17.99	18.04	
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	17.92	18.11	18.03	
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	18.02	18.12	17.94	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	20.0
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	19.62	19.68	19.60	
40	PI/2 BPSK	1	108	19.59	19.65	19.54	20.0
40	PI/2 BPSK	1	214	19.52	19.65	19.41	
40	PI/2 BPSK	108	0	19.52	19.55	19.47	
40	PI/2 BPSK	108	54	19.57	19.65	19.58	20.0
40	PI/2 BPSK	108	108	19.48	19.54	19.54	20.0
40	PI/2 BPSK	216	0	19.54	19.66	19.43	
40	QPSK	1	1	19.43	19.49	19.40	
40	QPSK	1	108	19.47	19.62	19.48	20.0
40	QPSK	1	214	19.62	19.56	19.59	
40	QPSK	108	0	19.50	19.57	19.50	
40	QPSK	108	54	19.56	19.57	19.40	20.0
40	QPSK	108	108	19.44	19.63	19.40	20.0
40	QPSK	216	0	19.55	19.57	19.52	
40	16QAM	1	1	19.44	19.66	19.58	
40	64QAM	1	1	19.54	19.52	19.47	20.0
40	256QAM	1	1	19.32	19.35	19.28	20.0
Channel				373500	376500	379500	20.0
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	19.48	19.56	19.47	
Channel				373000	376500	380000	20.0
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	19.53	19.52	19.41	
Channel				372500	376500	380500	20.0
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	19.54	19.59	19.60	
Channel				372000	376500	381000	20.0
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	19.61	19.64	19.53	
Channel				371500	376500	381500	20.0
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	19.51	19.61	19.42	
Channel				371000	376500	382000	20.0
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	19.57	19.66	19.55	
Channel				370500	376500	382500	20.0
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	19.50	19.54	19.43	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	22.4
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	21.86	21.91	21.79	
40	PI/2 BPSK	1	108	21.76	21.86	21.63	22.4
40	PI/2 BPSK	1	214	21.69	21.69	21.67	
40	PI/2 BPSK	108	0	21.70	21.80	21.72	
40	PI/2 BPSK	108	54	21.84	21.89	21.84	22.4
40	PI/2 BPSK	108	108	21.80	21.85	21.83	22.4
40	PI/2 BPSK	216	0	21.74	21.74	21.71	
40	QPSK	1	1	21.86	21.82	21.73	
40	QPSK	1	108	21.82	21.83	21.65	22.4
40	QPSK	1	214	21.69	21.77	21.60	
40	QPSK	108	0	21.26	21.32	21.34	
40	QPSK	108	54	21.73	21.76	21.84	22.4
40	QPSK	108	108	21.31	21.42	21.22	22.4
40	QPSK	216	0	21.35	21.36	21.38	
40	16QAM	1	1	21.31	21.36	21.21	
40	64QAM	1	1	20.98	21.19	20.99	22.4
40	256QAM	1	1	19.44	19.53	19.36	20.5
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	21.73	21.71	21.68	
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	21.82	21.76	21.68	
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	21.76	21.80	21.68	
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	21.74	21.77	21.69	
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	21.81	21.78	21.71	
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	21.82	21.82	21.63	
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	21.73	21.79	21.80	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	24.45	24.43	24.16	
20	PI/2 BPSK	1	53	24.40	24.42	24.06	25.7
20	PI/2 BPSK	1	104	24.20	24.28	23.96	
20	PI/2 BPSK	50	0	23.84	23.87	23.50	
20	PI/2 BPSK	50	28	24.29	24.33	24.05	25.2
20	PI/2 BPSK	50	56	23.80	23.86	23.51	25.7
20	PI/2 BPSK	100	0	23.80	23.82	23.51	
20	QPSK	1	1	24.24	24.31	24.02	
20	QPSK	1	53	24.35	24.39	24.02	25.7
20	QPSK	1	104	24.24	24.30	23.98	
20	QPSK	50	0	23.32	23.36	23.02	
20	QPSK	50	28	24.25	24.32	24.01	24.7
20	QPSK	50	56	23.37	23.36	23.09	25.7
20	QPSK	100	0	23.27	23.32	22.96	
20	16QAM	1	1	23.20	23.26	22.96	
20	64QAM	1	1	21.83	21.81	21.50	24.7
20	256QAM	1	1	19.72	19.80	19.48	23.2
Channel				164300	166300	168300	21.2
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	24.31	24.26	24.10	
Channel				163800	166300	168800	25.7
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	24.25	24.38	24.16	
Channel				163300	166300	169300	25.7
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	24.32	24.30	24.06	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	23.1
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	23.00	22.94	22.83	
20	PI/2 BPSK	1	53	22.89	22.79	22.75	23.1
20	PI/2 BPSK	1	104	22.87	22.83	22.82	
20	PI/2 BPSK	50	0	22.80	22.88	22.66	
20	PI/2 BPSK	50	28	22.88	22.81	22.81	23.1
20	PI/2 BPSK	50	56	22.83	22.87	22.67	23.1
20	PI/2 BPSK	100	0	22.99	22.94	22.69	
20	QPSK	1	1	22.97	22.85	22.63	
20	QPSK	1	53	22.88	22.75	22.64	23.1
20	QPSK	1	104	22.83	22.75	22.63	
20	QPSK	50	0	22.99	22.76	22.82	
20	QPSK	50	28	22.93	22.91	22.64	23.1
20	QPSK	50	56	22.96	22.74	22.71	23.1
20	QPSK	100	0	22.87	22.85	22.74	
20	16QAM	1	1	22.83	22.81	22.66	
20	64QAM	1	1	21.73	21.70	21.63	23.1
20	256QAM	1	1	19.75	19.72	19.68	21.2
Channel				164300	166300	168300	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	22.95	22.91	22.63	
Channel				163800	166300	168800	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	22.83	22.83	22.83	
Channel				163300	166300	169300	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	22.89	22.91	22.74	



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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)
Channel				164800	166300	167800	
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	24.45	24.43	24.16	
20	PI/2 BPSK	1	53	24.40	24.42	24.06	25.7
20	PI/2 BPSK	1	104	24.20	24.28	23.96	
20	PI/2 BPSK	50	0	23.84	23.87	23.50	
20	PI/2 BPSK	50	28	24.29	24.33	24.05	25.2
20	PI/2 BPSK	50	56	23.80	23.86	23.51	25.7
20	PI/2 BPSK	100	0	23.80	23.82	23.51	
20	QPSK	1	1	24.24	24.31	24.02	
20	QPSK	1	53	24.35	24.39	24.02	25.7
20	QPSK	1	104	24.24	24.30	23.98	
20	QPSK	50	0	23.32	23.36	23.02	
20	QPSK	50	28	24.25	24.32	24.01	24.7
20	QPSK	50	56	23.37	23.36	23.09	25.7
20	QPSK	100	0	23.27	23.32	22.96	
20	16QAM	1	1	23.20	23.26	22.96	
20	64QAM	1	1	21.83	21.81	21.50	24.7
20	256QAM	1	1	19.72	19.80	19.48	23.2
Channel				164300	166300	168300	21.2
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	24.31	24.26	24.10	
Channel				163800	166300	168800	25.7
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	24.25	24.38	24.16	
Channel				163300	166300	169300	25.7
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	24.32	24.30	24.06	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	24.29	24.26	24.12	
20	PI/2 BPSK	1	53	24.22	24.19	24.02	25.7
20	PI/2 BPSK	1	104	24.07	24.09	23.90	
20	PI/2 BPSK	50	0	23.61	23.63	23.48	
20	PI/2 BPSK	50	28	24.04	24.10	23.95	25.2
20	PI/2 BPSK	50	56	23.54	23.61	23.45	25.7
20	PI/2 BPSK	100	0	23.55	23.59	23.44	
20	QPSK	1	1	24.16	24.22	24.05	
20	QPSK	1	53	24.15	24.19	23.97	25.7
20	QPSK	1	104	24.05	24.06	23.89	
20	QPSK	50	0	23.18	23.17	23.03	
20	QPSK	50	28	24.04	24.10	23.93	24.7
20	QPSK	50	56	23.07	23.12	22.98	25.7
20	QPSK	100	0	23.04	23.08	22.92	
20	16QAM	1	1	23.11	23.15	22.96	
20	64QAM	1	1	21.64	21.64	21.44	24.7
20	256QAM	1	1	19.57	19.63	19.43	23.2
Channel				164300	166300	168300	21.2
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	24.23	24.11	23.94	
Channel				163800	166300	168800	25.7
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	24.26	24.07	24.02	
Channel				163300	166300	169300	25.7
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	24.12	24.18	23.95	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	24.45	24.43	24.16	
20	PI/2 BPSK	1	53	24.40	24.42	24.06	25.7
20	PI/2 BPSK	1	104	24.20	24.28	23.96	
20	PI/2 BPSK	50	0	23.84	23.87	23.50	
20	PI/2 BPSK	50	28	24.29	24.33	24.05	25.2
20	PI/2 BPSK	50	56	23.80	23.86	23.51	25.7
20	PI/2 BPSK	100	0	23.80	23.82	23.51	
20	QPSK	1	1	24.24	24.31	24.02	
20	QPSK	1	53	24.35	24.39	24.02	25.7
20	QPSK	1	104	24.24	24.30	23.98	
20	QPSK	50	0	23.32	23.36	23.02	
20	QPSK	50	28	24.25	24.32	24.01	24.7
20	QPSK	50	56	23.37	23.36	23.09	25.7
20	QPSK	100	0	23.27	23.32	22.96	
20	16QAM	1	1	23.20	23.26	22.96	
20	64QAM	1	1	21.83	21.81	21.50	24.7
20	256QAM	1	1	19.72	19.80	19.48	23.2
Channel				164300	166300	168300	21.2
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	24.31	24.26	24.10	
Channel				163800	166300	168800	25.7
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	24.25	24.38	24.16	
Channel				163300	166300	169300	25.7
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	24.32	24.30	24.06	



<FR1 n26_Ant 1_Index 10>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	25.7
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	24.29	24.26	24.12	
20	PI/2 BPSK	1	53	24.22	24.19	24.02	25.2
20	PI/2 BPSK	1	104	24.07	24.09	23.90	
20	PI/2 BPSK	50	0	23.61	23.63	23.48	
20	PI/2 BPSK	50	28	24.04	24.10	23.95	25.2
20	PI/2 BPSK	50	56	23.54	23.61	23.45	
20	PI/2 BPSK	100	0	23.55	23.59	23.44	
20	QPSK	1	1	24.16	24.22	24.05	25.7
20	QPSK	1	53	24.15	24.19	23.97	
20	QPSK	1	104	24.05	24.06	23.89	
20	QPSK	50	0	23.18	23.17	23.03	24.7
20	QPSK	50	28	24.04	24.10	23.93	25.7
20	QPSK	50	56	23.07	23.12	22.98	24.7
20	QPSK	100	0	23.04	23.08	22.92	
20	16QAM	1	1	23.11	23.15	22.96	
20	64QAM	1	1	21.64	21.64	21.44	23.2
20	256QAM	1	1	19.57	19.63	19.43	21.2
Channel				164300	166300	168300	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	24.23	24.11	23.94	25.7
Channel				163800	166300	168800	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	24.26	24.07	24.02	25.7
Channel				163300	166300	169300	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	24.12	24.18	23.95	25.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	24.45	24.43	24.16	
20	PI/2 BPSK	1	53	24.40	24.42	24.06	25.7
20	PI/2 BPSK	1	104	24.20	24.28	23.96	
20	PI/2 BPSK	50	0	23.84	23.87	23.50	
20	PI/2 BPSK	50	28	24.29	24.33	24.05	25.2
20	PI/2 BPSK	50	56	23.80	23.86	23.51	25.7
20	PI/2 BPSK	100	0	23.80	23.82	23.51	
20	QPSK	1	1	24.24	24.31	24.02	
20	QPSK	1	53	24.35	24.39	24.02	25.7
20	QPSK	1	104	24.24	24.30	23.98	
20	QPSK	50	0	23.32	23.36	23.02	
20	QPSK	50	28	24.25	24.32	24.01	24.7
20	QPSK	50	56	23.37	23.36	23.09	25.7
20	QPSK	100	0	23.27	23.32	22.96	
20	16QAM	1	1	23.20	23.26	22.96	
20	64QAM	1	1	21.83	21.81	21.50	24.7
20	256QAM	1	1	19.72	19.80	19.48	23.2
Channel				164300	166300	168300	21.2
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	24.31	24.26	24.10	
Channel				163800	166300	168800	25.7
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	24.25	24.38	24.16	
Channel				163300	166300	169300	25.7
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	24.32	24.30	24.06	



<FR1 n26_Ant 1_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	25.7
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	24.29	24.26	24.12	
20	PI/2 BPSK	1	53	24.22	24.19	24.02	25.2
20	PI/2 BPSK	1	104	24.07	24.09	23.90	
20	PI/2 BPSK	50	0	23.61	23.63	23.48	
20	PI/2 BPSK	50	28	24.04	24.10	23.95	25.2
20	PI/2 BPSK	50	56	23.54	23.61	23.45	
20	PI/2 BPSK	100	0	23.55	23.59	23.44	
20	QPSK	1	1	24.16	24.22	24.05	25.7
20	QPSK	1	53	24.15	24.19	23.97	
20	QPSK	1	104	24.05	24.06	23.89	
20	QPSK	50	0	23.18	23.17	23.03	24.7
20	QPSK	50	28	24.04	24.10	23.93	25.7
20	QPSK	50	56	23.07	23.12	22.98	24.7
20	QPSK	100	0	23.04	23.08	22.92	
20	16QAM	1	1	23.11	23.15	22.96	
20	64QAM	1	1	21.64	21.64	21.44	23.2
20	256QAM	1	1	19.57	19.63	19.43	21.2
Channel				164300	166300	168300	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	24.23	24.11	23.94	25.7
Channel				163800	166300	168800	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	24.26	24.07	24.02	25.7
Channel				163300	166300	169300	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	24.12	24.18	23.95	25.7

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.26		
10	PI/2 BPSK	1	26		22.25		23.5
10	PI/2 BPSK	1	50		22.19		
10	PI/2 BPSK	25	0		21.68		
10	PI/2 BPSK	25	14		22.18		23.0
10	PI/2 BPSK	25	27		21.72		23.5
10	PI/2 BPSK	25	27		21.72		
10	PI/2 BPSK	50	0		21.67		
10	QPSK	1	1		22.22		23.0
10	QPSK	1	26		22.23		
10	QPSK	1	50		22.21		
10	QPSK	25	0		21.18		22.5
10	QPSK	25	14		22.16		23.5
10	QPSK	25	27		21.21		
10	QPSK	50	0		21.20		
10	16QAM	1	1		21.24		22.5
10	64QAM	1	1		19.67		21.0
10	256QAM	1	1		17.66		19.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	22.10	22.23	22.08	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		19.09		
10	PI/2 BPSK	1	26		18.94		19.3
10	PI/2 BPSK	1	50		18.94		
10	PI/2 BPSK	25	0		19.06		
10	PI/2 BPSK	25	14		18.97		19.3
10	PI/2 BPSK	25	27		19.04		19.3
10	PI/2 BPSK	50	0		19.04		
10	QPSK	1	1		18.97		
10	QPSK	1	26		18.97		19.3
10	QPSK	1	50		19.05		
10	QPSK	25	0		19.05		
10	QPSK	25	14		19.08		19.3
10	QPSK	25	27		18.95		19.3
10	QPSK	50	0		19.03		
10	16QAM	1	1		18.98		
10	64QAM	1	1		18.94		19.3
10	256QAM	1	1		17.89		19.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	18.98	19.00	19.02	

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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)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		17.26		
10	PI/2 BPSK	1	26		17.22		17.4
10	PI/2 BPSK	1	50		17.21		
10	PI/2 BPSK	25	0		17.15		
10	PI/2 BPSK	25	14		17.22		17.4
10	PI/2 BPSK	25	27		17.08		17.4
10	PI/2 BPSK	50	0		17.18		
10	QPSK	1	1		17.11		
10	QPSK	1	26		17.09		17.4
10	QPSK	1	50		17.07		
10	QPSK	25	0		17.21		
10	QPSK	25	14		17.18		17.4
10	QPSK	25	27		17.15		17.4
10	QPSK	50	0		17.23		
10	16QAM	1	1		17.07		
10	64QAM	1	1		17.20		17.4
10	256QAM	1	1		17.22		17.4
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	17.22	17.25	17.20	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		20.32		20.8
10	PI/2 BPSK	1	26		20.22		
10	PI/2 BPSK	1	50		20.27		
10	PI/2 BPSK	25	0		20.23		20.8
10	PI/2 BPSK	25	14		20.26		20.8
10	PI/2 BPSK	25	27		20.23		20.8
10	PI/2 BPSK	50	0		20.23		
10	QPSK	1	1		20.28		
10	QPSK	1	26		20.25		20.8
10	QPSK	1	50		20.26		
10	QPSK	25	0		20.28		
10	QPSK	25	14		20.20		20.8
10	QPSK	25	27		20.26		20.8
10	QPSK	50	0		20.20		
10	16QAM	1	1		20.25		
10	64QAM	1	1		19.80		20.8
10	256QAM	1	1		17.88		19.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	20.26	20.29	20.19	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		17.67		18.6
10	PI/2 BPSK	1	26		17.65		
10	PI/2 BPSK	1	50		17.57		
10	PI/2 BPSK	25	0		17.51		18.6
10	PI/2 BPSK	25	14		17.66		18.6
10	PI/2 BPSK	25	27		17.65		18.6
10	PI/2 BPSK	50	0		17.52		
10	QPSK	1	1		17.65		18.6
10	QPSK	1	26		17.51		
10	QPSK	1	50		17.61		
10	QPSK	25	0		17.59		18.6
10	QPSK	25	14		17.64		18.6
10	QPSK	25	27		17.64		18.6
10	QPSK	50	0		17.54		
10	16QAM	1	1		17.64		18.6
10	64QAM	1	1		17.53		18.6
10	256QAM	1	1		17.62		18.6
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	17.60	17.62	17.63	18.6

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		20.89		22.1
10	PI/2 BPSK	1	26		20.81		
10	PI/2 BPSK	1	50		20.81		
10	PI/2 BPSK	25	0		20.73		22.1
10	PI/2 BPSK	25	14		20.84		22.1
10	PI/2 BPSK	25	27		20.82		22.1
10	PI/2 BPSK	50	0		20.75		
10	QPSK	1	1		20.82		22.1
10	QPSK	1	26		20.85		
10	QPSK	1	50		20.85		
10	QPSK	25	0		20.78		22.1
10	QPSK	25	14		20.85		22.1
10	QPSK	25	27		20.76		22.1
10	QPSK	50	0		20.76		
10	16QAM	1	1		20.81		22.1
10	64QAM	1	1		19.96		21.0
10	256QAM	1	1		17.88		19.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	20.76	20.79	20.69	22.1

**<FR1 n30_Ant 2_Index 11>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		17.67		17.8
10	PI/2 BPSK	1	26		17.65		
10	PI/2 BPSK	1	50		17.57		
10	PI/2 BPSK	25	0		17.51		17.8
10	PI/2 BPSK	25	14		17.66		17.8
10	PI/2 BPSK	25	27		17.65		17.8
10	PI/2 BPSK	50	0		17.52		
10	QPSK	1	1		17.65		17.8
10	QPSK	1	26		17.51		
10	QPSK	1	50		17.61		
10	QPSK	25	0		17.59		17.8
10	QPSK	25	14		17.64		17.8
10	QPSK	25	27		17.64		17.8
10	QPSK	50	0		17.54		
10	16QAM	1	1		17.64		17.8
10	64QAM	1	1		17.53		17.8
10	256QAM	1	1		17.62		17.8
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	17.60	17.62	17.63	17.8

<FR1 n30_Ant 1_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		20.89		21.3
10	PI/2 BPSK	1	26		20.81		
10	PI/2 BPSK	1	50		20.81		
10	PI/2 BPSK	25	0		20.73		21.3
10	PI/2 BPSK	25	14		20.84		21.3
10	PI/2 BPSK	25	27		20.82		21.3
10	PI/2 BPSK	50	0		20.75		
10	QPSK	1	1		20.82		21.3
10	QPSK	1	26		20.85		
10	QPSK	1	50		20.85		
10	QPSK	25	0		20.78		21.3
10	QPSK	25	14		20.85		21.3
10	QPSK	25	27		20.76		21.3
10	QPSK	50	0		20.76		
10	16QAM	1	1		20.81		21.3
10	64QAM	1	1		19.96		21.0
10	256QAM	1	1		17.88		19.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	20.76	20.79	20.69	21.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	25.1
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	24.41	24.43	24.39	
40	PI/2 BPSK	1	53	24.36	24.38	24.25	24.6
40	PI/2 BPSK	1	104	24.28	24.34	24.29	
40	PI/2 BPSK	50	0	23.79	23.88	23.78	
40	PI/2 BPSK	50	28	24.29	24.37	24.30	25.1
40	PI/2 BPSK	50	56	23.73	23.82	23.78	
40	PI/2 BPSK	100	0	23.84	23.88	23.78	
40	QPSK	1	1	24.33	24.42	24.29	24.6
40	QPSK	1	53	24.30	24.39	24.31	
40	QPSK	1	104	24.35	24.38	24.29	
40	QPSK	50	0	23.36	23.38	23.29	25.1
40	QPSK	50	28	24.37	24.39	24.32	
40	QPSK	50	56	23.31	23.33	23.26	
40	QPSK	100	0	23.34	23.38	23.29	24.1
40	16QAM	1	1	23.31	23.39	23.30	
40	64QAM	1	1	21.89	21.93	21.87	
40	256QAM	1	1	20.03	20.12	19.98	20.6
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	24.31	24.28	24.23	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	24.34	24.25	24.27	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	24.25	24.42	24.30	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	24.23	24.27	24.25	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	24.30	24.24	24.27	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	18.8
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	18.35	18.46	18.37	
40	PI/2 BPSK	1	53	18.34	18.38	18.32	18.8
40	PI/2 BPSK	1	104	18.25	18.39	18.28	
40	PI/2 BPSK	50	0	18.23	18.28	18.24	
40	PI/2 BPSK	50	28	18.43	18.43	18.35	18.8
40	PI/2 BPSK	50	56	18.36	18.36	18.33	18.8
40	PI/2 BPSK	100	0	18.43	18.45	18.31	
40	QPSK	1	1	18.33	18.29	18.34	
40	QPSK	1	53	18.30	18.33	18.25	18.8
40	QPSK	1	104	18.24	18.30	18.35	
40	QPSK	50	0	18.27	18.37	18.26	
40	QPSK	50	28	18.23	18.34	18.32	18.8
40	QPSK	50	56	18.33	18.32	18.41	18.8
40	QPSK	100	0	18.32	18.29	18.27	
40	16QAM	1	1	18.37	18.40	18.28	
40	64QAM	1	1	18.30	18.28	18.33	18.8
40	256QAM	1	1	18.28	18.44	18.21	18.8
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	18.31	18.40	18.30	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	18.16	18.44	18.26	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	18.21	18.33	18.23	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	18.35	18.26	18.24	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	18.23	18.35	18.35	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	24.18	24.19	24.21	
40	PI/2 BPSK	1	53	24.06	24.15	24.11	25.1
40	PI/2 BPSK	1	104	24.08	24.13	24.09	
40	PI/2 BPSK	50	0	23.63	23.68	23.62	24.6
40	PI/2 BPSK	50	28	24.08	24.11	24.12	25.1
40	PI/2 BPSK	50	56	23.54	23.61	23.57	24.6
40	PI/2 BPSK	100	0	23.56	23.60	23.59	
40	QPSK	1	1	24.07	24.17	24.11	25.1
40	QPSK	1	53	24.05	24.15	24.09	
40	QPSK	1	104	24.14	24.16	24.08	
40	QPSK	50	0	23.14	23.16	23.14	24.1
40	QPSK	50	28	24.08	24.13	24.14	25.1
40	QPSK	50	56	23.06	23.12	23.04	24.1
40	QPSK	100	0	23.11	23.13	23.07	
40	16QAM	1	1	23.07	23.14	23.15	24.1
40	64QAM	1	1	21.65	21.69	21.63	22.6
40	256QAM	1	1	19.77	19.86	19.85	20.6
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	24.13	24.09	24.12	25.1
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	24.06	24.16	24.15	25.1
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	24.13	24.09	24.08	25.1
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	24.18	24.01	24.14	25.1
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	24.14	24.05	24.19	25.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	24.8
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	23.84	23.86	23.81	
40	PI/2 BPSK	1	53	23.68	23.75	23.62	24.3
40	PI/2 BPSK	1	104	23.58	23.67	23.52	
40	PI/2 BPSK	50	0	23.20	23.27	23.14	
40	PI/2 BPSK	50	28	23.74	23.76	23.69	24.3
40	PI/2 BPSK	50	56	23.10	23.19	23.05	
40	PI/2 BPSK	100	0	23.11	23.21	23.11	
40	QPSK	1	1	23.73	23.85	23.80	24.8
40	QPSK	1	53	23.73	23.75	23.70	
40	QPSK	1	104	23.61	23.71	23.59	
40	QPSK	50	0	22.73	22.76	22.70	23.8
40	QPSK	50	28	23.64	23.76	23.68	
40	QPSK	50	56	22.67	22.69	22.58	
40	QPSK	100	0	22.60	22.72	22.62	23.8
40	16QAM	1	1	22.74	22.78	22.66	
40	64QAM	1	1	21.25	21.33	21.28	
40	256QAM	1	1	19.45	19.51	19.44	20.3
Channel				517000	519000	521000	24.8
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	23.64	23.84	23.71	
Channel				516500	519000	521500	24.8
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	23.78	23.66	23.72	
Channel				516000	519000	522000	24.8
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	23.73	23.66	23.69	
Channel				515500	519000	522500	24.8
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	23.76	23.82	23.70	
Channel				515000	519000	523000	24.8
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	23.71	23.77	23.70	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	18.8
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	18.29	18.31	18.30	
40	PI/2 BPSK	1	53	18.15	18.21	18.17	18.8
40	PI/2 BPSK	1	104	18.19	18.26	18.23	
40	PI/2 BPSK	50	0	18.21	18.25	18.19	
40	PI/2 BPSK	50	28	18.23	18.26	18.24	18.8
40	PI/2 BPSK	50	56	18.22	18.13	18.14	18.8
40	PI/2 BPSK	100	0	18.22	18.25	18.16	
40	QPSK	1	1	18.12	18.12	18.16	
40	QPSK	1	53	18.20	18.20	18.18	18.8
40	QPSK	1	104	18.25	18.25	18.11	
40	QPSK	50	0	18.25	18.13	18.28	
40	QPSK	50	28	18.27	18.25	18.29	18.8
40	QPSK	50	56	18.24	18.21	18.25	18.8
40	QPSK	100	0	18.17	18.26	18.15	
40	16QAM	1	1	18.16	18.26	18.11	
40	64QAM	1	1	18.23	18.30	18.27	18.8
40	256QAM	1	1	18.26	18.11	18.17	18.8
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	18.29	18.16	18.15	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	18.10	18.17	18.13	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	18.18	18.11	18.21	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	18.15	18.18	18.21	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	18.29	18.18	18.14	



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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)
Channel				518000	519000	520000	18.6
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	18.35	18.46	18.37	
40	PI/2 BPSK	1	53	18.34	18.38	18.32	18.6
40	PI/2 BPSK	1	104	18.25	18.39	18.28	
40	PI/2 BPSK	50	0	18.23	18.28	18.24	
40	PI/2 BPSK	50	28	18.43	18.43	18.35	18.6
40	PI/2 BPSK	50	56	18.36	18.36	18.33	18.6
40	PI/2 BPSK	100	0	18.43	18.45	18.31	
40	QPSK	1	1	18.33	18.29	18.34	
40	QPSK	1	53	18.30	18.33	18.25	18.6
40	QPSK	1	104	18.24	18.30	18.35	
40	QPSK	50	0	18.27	18.37	18.26	
40	QPSK	50	28	18.23	18.34	18.32	18.6
40	QPSK	50	56	18.33	18.32	18.41	18.6
40	QPSK	100	0	18.32	18.29	18.27	
40	16QAM	1	1	18.37	18.40	18.28	
40	64QAM	1	1	18.30	18.28	18.33	18.6
40	256QAM	1	1	18.28	18.44	18.21	18.6
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	18.31	18.40	18.30	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	18.16	18.44	18.26	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	18.21	18.33	18.23	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	18.35	18.26	18.24	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	18.23	18.35	18.35	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	20.96	20.99	20.89	
40	PI/2 BPSK	1	53	20.91	20.83	20.86	21.1
40	PI/2 BPSK	1	104	20.81	20.81	20.78	
40	PI/2 BPSK	50	0	20.84	20.85	20.86	
40	PI/2 BPSK	50	28	20.88	20.89	20.89	21.1
40	PI/2 BPSK	50	56	20.81	20.81	20.87	21.1
40	PI/2 BPSK	100	0	20.82	20.84	20.73	
40	QPSK	1	1	20.80	20.80	20.86	
40	QPSK	1	53	20.87	20.87	20.82	21.1
40	QPSK	1	104	20.71	20.91	20.87	
40	QPSK	50	0	20.85	20.84	20.94	
40	QPSK	50	28	20.82	20.82	20.87	21.1
40	QPSK	50	56	20.91	20.91	20.84	21.1
40	QPSK	100	0	20.85	20.92	20.81	
40	16QAM	1	1	20.96	20.80	20.97	
40	64QAM	1	1	20.91	20.94	20.68	21.1
40	256QAM	1	1	19.79	19.81	19.75	20.6
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	20.83	20.89	20.88	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	20.84	20.82	20.74	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	20.90	20.94	20.81	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	20.86	20.91	20.70	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	20.92	20.94	20.80	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	22.8
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	22.35	22.58	22.23	
40	PI/2 BPSK	1	53	22.28	22.42	22.03	22.8
40	PI/2 BPSK	1	104	22.29	22.21	22.13	
40	PI/2 BPSK	50	0	22.34	22.29	22.44	
40	PI/2 BPSK	50	28	22.19	22.50	22.46	22.8
40	PI/2 BPSK	50	56	22.20	22.48	22.32	22.8
40	PI/2 BPSK	100	0	22.04	22.21	22.12	
40	QPSK	1	1	22.37	22.39	22.23	
40	QPSK	1	53	22.45	22.24	22.40	22.8
40	QPSK	1	104	22.36	22.37	22.06	
40	QPSK	50	0	22.35	22.29	22.44	
40	QPSK	50	28	22.33	22.56	22.23	22.8
40	QPSK	50	56	22.41	22.38	22.25	22.8
40	QPSK	100	0	22.37	22.41	22.12	
40	16QAM	1	1	22.32	22.23	22.17	
40	64QAM	1	1	21.23	21.42	21.29	22.3
40	256QAM	1	1	19.59	19.66	19.32	20.3
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	22.40	22.34	22.46	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	22.38	22.24	22.50	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	22.32	22.38	22.44	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	22.51	22.57	22.48	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	22.31	22.49	22.20	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	20.4
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	19.28	19.30	19.29	
40	PI/2 BPSK	1	53	19.09	19.19	19.11	20.4
40	PI/2 BPSK	1	104	19.11	19.19	19.12	
40	PI/2 BPSK	50	0	19.21	19.18	19.20	
40	PI/2 BPSK	50	28	19.21	19.29	19.24	20.4
40	PI/2 BPSK	50	56	19.22	19.18	19.23	20.4
40	PI/2 BPSK	100	0	19.23	19.25	19.24	
40	QPSK	1	1	19.28	19.10	19.11	
40	QPSK	1	53	19.13	19.28	19.28	20.4
40	QPSK	1	104	19.25	19.12	19.27	
40	QPSK	50	0	19.16	19.18	19.10	
40	QPSK	50	28	19.23	19.11	19.11	20.4
40	QPSK	50	56	19.16	19.14	19.24	20.4
40	QPSK	100	0	19.19	19.22	19.15	
40	16QAM	1	1	19.16	19.23	19.29	
40	64QAM	1	1	19.12	19.25	19.28	20.4
40	256QAM	1	1	19.18	19.25	19.13	20.4
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	19.17	19.17	19.14	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	19.26	19.28	19.18	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	19.24	19.26	19.09	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	19.14	19.28	19.24	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	19.20	19.26	19.19	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	20.4
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	19.26	19.27	19.26	
40	PI/2 BPSK	1	53	19.08	19.12	19.21	20.4
40	PI/2 BPSK	1	104	19.26	19.15	19.10	
40	PI/2 BPSK	50	0	19.21	19.19	19.07	
40	PI/2 BPSK	50	28	19.23	19.25	19.23	20.4
40	PI/2 BPSK	50	56	19.17	19.22	19.21	20.4
40	PI/2 BPSK	100	0	19.19	19.20	19.16	
40	QPSK	1	1	19.12	19.13	19.17	
40	QPSK	1	53	19.21	19.22	19.23	20.4
40	QPSK	1	104	19.23	19.11	19.26	
40	QPSK	50	0	19.24	19.23	19.21	
40	QPSK	50	28	19.06	19.25	19.11	20.4
40	QPSK	50	56	19.12	19.18	19.21	20.4
40	QPSK	100	0	19.15	19.14	19.15	
40	16QAM	1	1	19.07	19.20	19.23	
40	64QAM	1	1	19.04	19.06	19.02	20.4
40	256QAM	1	1	19.03	19.06	19.02	20.4
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	19.20	19.21	19.09	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	19.13	19.18	19.17	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	19.26	19.07	19.07	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	19.15	19.11	19.25	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	19.07	19.16	19.08	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	21.9
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	20.96	20.99	20.89	
40	PI/2 BPSK	1	53	20.91	20.83	20.86	21.9
40	PI/2 BPSK	1	104	20.81	20.81	20.78	
40	PI/2 BPSK	50	0	20.84	20.85	20.86	
40	PI/2 BPSK	50	28	20.88	20.89	20.89	21.9
40	PI/2 BPSK	50	56	20.81	20.81	20.87	21.9
40	PI/2 BPSK	100	0	20.82	20.84	20.73	
40	QPSK	1	1	20.80	20.80	20.86	
40	QPSK	1	53	20.87	20.87	20.82	21.9
40	QPSK	1	104	20.71	20.91	20.87	
40	QPSK	50	0	20.85	20.84	20.94	
40	QPSK	50	28	20.82	20.82	20.87	21.9
40	QPSK	50	56	20.91	20.91	20.84	21.9
40	QPSK	100	0	20.85	20.92	20.81	
40	16QAM	1	1	20.96	20.80	20.97	
40	64QAM	1	1	20.91	20.94	20.68	21.9
40	256QAM	1	1	19.79	19.81	19.75	20.6
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	20.83	20.89	20.88	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	20.84	20.82	20.74	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	20.90	20.94	20.81	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	20.86	20.91	20.70	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	20.92	20.94	20.80	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	23.6
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	22.35	22.58	22.23	
40	PI/2 BPSK	1	53	22.28	22.42	22.03	23.6
40	PI/2 BPSK	1	104	22.29	22.21	22.13	
40	PI/2 BPSK	50	0	22.34	22.29	22.44	
40	PI/2 BPSK	50	28	22.19	22.50	22.46	23.6
40	PI/2 BPSK	50	56	22.20	22.48	22.32	23.6
40	PI/2 BPSK	100	0	22.04	22.21	22.12	
40	QPSK	1	1	22.37	22.39	22.23	
40	QPSK	1	53	22.45	22.24	22.40	23.6
40	QPSK	1	104	22.36	22.37	22.06	
40	QPSK	50	0	22.35	22.29	22.44	
40	QPSK	50	28	22.33	22.56	22.23	23.6
40	QPSK	50	56	22.41	22.38	22.25	23.6
40	QPSK	100	0	22.37	22.41	22.12	
40	16QAM	1	1	22.32	22.23	22.17	
40	64QAM	1	1	21.23	21.42	21.29	22.3
40	256QAM	1	1	19.59	19.66	19.32	20.3
Channel				517000	519000	521000	23.6
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	22.40	22.34	22.46	
Channel				516500	519000	521500	23.6
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	22.38	22.24	22.50	
Channel				516000	519000	522000	23.6
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	22.32	22.38	22.44	
Channel				515500	519000	522500	23.6
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	22.51	22.57	22.48	
Channel				515000	519000	523000	23.6
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	22.31	22.49	22.20	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	19.6
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	19.28	19.30	19.29	
40	PI/2 BPSK	1	53	19.09	19.19	19.11	19.6
40	PI/2 BPSK	1	104	19.11	19.19	19.12	
40	PI/2 BPSK	50	0	19.21	19.18	19.20	
40	PI/2 BPSK	50	28	19.21	19.29	19.24	19.6
40	PI/2 BPSK	50	56	19.22	19.18	19.23	19.6
40	PI/2 BPSK	100	0	19.23	19.25	19.24	
40	QPSK	1	1	19.28	19.10	19.11	
40	QPSK	1	53	19.13	19.28	19.28	19.6
40	QPSK	1	104	19.25	19.12	19.27	
40	QPSK	50	0	19.16	19.18	19.10	
40	QPSK	50	28	19.23	19.11	19.11	19.6
40	QPSK	50	56	19.16	19.14	19.24	19.6
40	QPSK	100	0	19.19	19.22	19.15	
40	16QAM	1	1	19.16	19.23	19.29	
40	64QAM	1	1	19.12	19.25	19.28	19.6
40	256QAM	1	1	19.18	19.25	19.13	19.6
Channel				517000	519000	521000	19.6
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	19.17	19.17	19.14	
Channel				516500	519000	521500	19.6
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	19.26	19.28	19.18	
Channel				516000	519000	522000	19.6
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	19.24	19.26	19.09	
Channel				515500	519000	522500	19.6
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	19.14	19.28	19.24	
Channel				515000	519000	523000	19.6
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	19.20	19.26	19.19	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	19.6
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	19.26	19.27	19.26	
40	PI/2 BPSK	1	53	19.08	19.12	19.21	19.6
40	PI/2 BPSK	1	104	19.26	19.15	19.10	
40	PI/2 BPSK	50	0	19.21	19.19	19.07	
40	PI/2 BPSK	50	28	19.23	19.25	19.23	19.6
40	PI/2 BPSK	50	56	19.17	19.22	19.21	19.6
40	PI/2 BPSK	100	0	19.19	19.20	19.16	
40	QPSK	1	1	19.12	19.13	19.17	
40	QPSK	1	53	19.21	19.22	19.23	19.6
40	QPSK	1	104	19.23	19.11	19.26	
40	QPSK	50	0	19.24	19.23	19.21	
40	QPSK	50	28	19.06	19.25	19.11	19.6
40	QPSK	50	56	19.12	19.18	19.21	19.6
40	QPSK	100	0	19.15	19.14	19.15	
40	16QAM	1	1	19.07	19.20	19.23	
40	64QAM	1	1	19.04	19.06	19.02	19.6
40	256QAM	1	1	19.03	19.06	19.02	19.6
Channel				517000	519000	521000	19.6
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	19.20	19.21	19.09	
Channel				516500	519000	521500	19.6
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	19.13	19.18	19.17	
Channel				516000	519000	522000	19.6
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	19.26	19.07	19.07	
Channel				515500	519000	522500	19.6
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	19.15	19.11	19.25	
Channel				515000	519000	523000	19.6
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	19.07	19.16	19.08	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	21.1
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	20.96	20.99	20.89	
40	PI/2 BPSK	1	53	20.91	20.83	20.86	21.1
40	PI/2 BPSK	1	104	20.81	20.81	20.78	
40	PI/2 BPSK	50	0	20.84	20.85	20.86	
40	PI/2 BPSK	50	28	20.88	20.89	20.89	21.1
40	PI/2 BPSK	50	56	20.81	20.81	20.87	21.1
40	PI/2 BPSK	100	0	20.82	20.84	20.73	
40	QPSK	1	1	20.80	20.80	20.86	
40	QPSK	1	53	20.87	20.87	20.82	21.1
40	QPSK	1	104	20.71	20.91	20.87	
40	QPSK	50	0	20.85	20.84	20.94	
40	QPSK	50	28	20.82	20.82	20.87	21.1
40	QPSK	50	56	20.91	20.91	20.84	21.1
40	QPSK	100	0	20.85	20.92	20.81	
40	16QAM	1	1	20.96	20.80	20.97	
40	64QAM	1	1	20.91	20.94	20.68	21.1
40	256QAM	1	1	19.79	19.81	19.75	20.6
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	20.83	20.89	20.88	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	20.84	20.82	20.74	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	20.90	20.94	20.81	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	20.86	20.91	20.70	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	20.92	20.94	20.80	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	22.8
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	22.35	22.58	22.23	
40	PI/2 BPSK	1	53	22.28	22.42	22.03	22.8
40	PI/2 BPSK	1	104	22.29	22.21	22.13	
40	PI/2 BPSK	50	0	22.34	22.29	22.44	
40	PI/2 BPSK	50	28	22.19	22.50	22.46	22.8
40	PI/2 BPSK	50	56	22.20	22.48	22.32	22.8
40	PI/2 BPSK	100	0	22.04	22.21	22.12	
40	QPSK	1	1	22.37	22.39	22.23	
40	QPSK	1	53	22.45	22.24	22.40	22.8
40	QPSK	1	104	22.36	22.37	22.06	
40	QPSK	50	0	22.35	22.29	22.44	
40	QPSK	50	28	22.33	22.56	22.23	22.8
40	QPSK	50	56	22.41	22.38	22.25	22.8
40	QPSK	100	0	22.37	22.41	22.12	
40	16QAM	1	1	22.32	22.23	22.17	
40	64QAM	1	1	21.23	21.42	21.29	22.3
40	256QAM	1	1	19.59	19.66	19.32	20.3
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	22.40	22.34	22.46	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	22.38	22.24	22.50	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	22.32	22.38	22.44	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	22.51	22.57	22.48	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	22.31	22.49	22.20	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	25.1
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.48	24.44	24.52	
100	PI/2 BPSK	1	137	24.25	24.24	24.30	24.6
100	PI/2 BPSK	1	271	24.43	24.39	24.44	
100	PI/2 BPSK	135	0	23.79	23.82	23.88	
100	PI/2 BPSK	135	69	24.28	24.26	24.27	25.1
100	PI/2 BPSK	135	138	23.71	23.73	23.73	24.6
100	PI/2 BPSK	270	0	23.80	23.78	23.80	
100	QPSK	1	1	24.47	24.43	24.49	
100	QPSK	1	137	24.20	24.23	24.29	24.1
100	QPSK	1	271	24.42	24.38	24.45	
100	QPSK	135	0	23.26	23.31	23.35	
100	QPSK	135	69	24.26	24.26	24.25	25.1
100	QPSK	135	138	23.28	23.25	23.28	24.1
100	QPSK	270	0	23.23	23.27	23.29	
100	16QAM	1	1	23.42	23.45	23.49	
100	64QAM	1	1	21.93	21.95	21.98	22.6
100	256QAM	1	1	20.16	20.13	20.15	20.6
Channel				508200	518598	528996	25.1
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.34	24.42	24.37	
Channel				507204	518598	529998	25.1
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.39	24.43	24.36	
Channel				506202	518598	531000	25.1
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	24.37	24.42	24.36	
Channel				505200	518598	531996	25.1
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.31	24.32	24.51	
Channel				504204	518598	532998	25.1
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.41	24.25	24.36	
Channel				503202	518598	534000	25.1
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.35	24.32	24.50	
Channel				502200	518598	534996	25.1
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.47	24.42	24.32	
Channel				501204	518598	535998	25.1
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.36	24.36	24.49	
Channel				500700	518598	536496	25.1
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.38	24.37	24.49	
Channel				500202	518598	537000	25.1
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.33	24.40	24.34	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	18.8
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	18.40	18.34	18.28	
100	PI/2 BPSK	1	137	18.26	18.32	18.11	18.8
100	PI/2 BPSK	1	271	18.38	18.20	18.17	
100	PI/2 BPSK	135	0	18.35	18.17	18.10	
100	PI/2 BPSK	135	69	18.39	18.22	18.24	18.8
100	PI/2 BPSK	135	138	18.33	18.14	18.09	18.8
100	PI/2 BPSK	270	0	18.27	18.20	18.25	
100	QPSK	1	1	18.22	18.27	18.09	
100	QPSK	1	137	18.27	18.14	18.09	18.8
100	QPSK	1	271	18.32	18.25	18.27	
100	QPSK	135	0	18.36	18.16	18.14	
100	QPSK	135	69	18.21	18.15	18.28	18.8
100	QPSK	135	138	18.38	18.14	18.22	18.8
100	QPSK	270	0	18.35	18.21	18.18	
100	16QAM	1	1	18.31	18.26	18.12	
100	64QAM	1	1	18.26	18.14	18.23	18.8
100	256QAM	1	1	18.38	18.21	18.19	18.8
Channel				508200	518598	528996	18.8
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	18.32	18.22	18.28	
Channel				507204	518598	529998	18.8
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	18.23	18.14	18.09	
Channel				506202	518598	531000	18.8
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	18.20	18.33	18.12	
Channel				505200	518598	531996	18.8
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	18.36	18.16	18.27	
Channel				504204	518598	532998	18.8
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	18.21	18.18	18.20	
Channel				503202	518598	534000	18.8
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	18.26	18.27	18.09	
Channel				502200	518598	534996	18.8
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	18.36	18.16	18.10	
Channel				501204	518598	535998	18.8
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	18.38	18.15	18.21	
Channel				500700	518598	536496	18.8
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	18.35	18.29	18.13	
Channel				500202	518598	537000	18.8
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	18.27	18.26	18.09	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.00	24.11	24.09	
100	PI/2 BPSK	1	137	23.72	23.83	23.75	25.1
100	PI/2 BPSK	1	271	23.84	24.04	23.98	
100	PI/2 BPSK	135	0	23.27	23.40	23.29	
100	PI/2 BPSK	135	69	23.70	23.81	23.79	24.6
100	PI/2 BPSK	135	138	23.21	23.34	23.30	25.1
100	PI/2 BPSK	270	0	23.16	23.33	23.28	
100	QPSK	1	1	23.94	24.09	23.99	
100	QPSK	1	137	23.64	23.81	23.79	24.6
100	QPSK	1	271	23.86	24.04	23.98	
100	QPSK	135	0	22.70	22.91	22.81	
100	QPSK	135	69	23.63	23.82	23.72	24.1
100	QPSK	135	138	22.72	22.86	22.82	25.1
100	QPSK	270	0	22.68	22.82	22.71	
100	16QAM	1	1	22.91	23.05	22.94	
100	64QAM	1	1	21.36	21.55	21.51	24.1
100	256QAM	1	1	19.53	19.73	19.61	22.6
Channel				508200	518598	528996	20.6
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.86	24.04	23.96	
Channel				507204	518598	529998	25.1
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.96	24.10	23.99	
Channel				506202	518598	531000	25.1
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	23.91	24.05	23.95	
Channel				505200	518598	531996	25.1
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.82	23.95	24.04	
Channel				504204	518598	532998	25.1
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.90	24.06	24.01	
Channel				503202	518598	534000	25.1
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.97	24.03	24.00	
Channel				502200	518598	534996	25.1
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.96	23.92	23.92	
Channel				501204	518598	535998	25.1
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.98	24.01	24.00	
Channel				500700	518598	536496	25.1
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.81	24.10	23.96	
Channel				500202	518598	537000	25.1
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.80	23.96	23.96	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.08	24.02	23.82	
100	PI/2 BPSK	1	137	23.69	23.65	23.40	25.1
100	PI/2 BPSK	1	271	23.76	23.78	23.49	
100	PI/2 BPSK	135	0	23.23	23.27	22.98	
100	PI/2 BPSK	135	69	23.64	23.63	23.38	24.6
100	PI/2 BPSK	135	138	23.22	23.16	22.95	25.1
100	PI/2 BPSK	270	0	23.19	23.15	22.88	
100	QPSK	1	1	23.98	24.00	23.75	
100	QPSK	1	137	23.64	23.64	23.42	25.1
100	QPSK	1	271	23.80	23.80	23.52	
100	QPSK	135	0	22.74	22.78	22.54	
100	QPSK	135	69	23.66	23.66	23.45	24.1
100	QPSK	135	138	22.63	22.64	22.34	25.1
100	QPSK	270	0	22.72	22.67	22.39	
100	16QAM	1	1	23.04	23.00	22.78	
100	64QAM	1	1	21.45	21.46	21.18	24.1
100	256QAM	1	1	19.65	19.63	19.41	22.7
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.01	24.02	23.80	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.03	23.82	23.70	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	23.91	23.87	23.80	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.88	23.99	23.76	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.01	24.02	23.80	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.01	24.00	23.66	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.96	23.85	23.73	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.06	23.98	23.70	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.89	23.94	23.74	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.05	23.86	23.79	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	18.8
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	18.27	18.33	18.35	
100	PI/2 BPSK	1	137	18.26	18.23	18.19	18.8
100	PI/2 BPSK	1	271	18.11	18.20	18.21	
100	PI/2 BPSK	135	0	18.17	18.14	18.29	
100	PI/2 BPSK	135	69	18.22	18.33	18.34	18.8
100	PI/2 BPSK	135	138	18.19	18.15	18.29	18.8
100	PI/2 BPSK	270	0	18.16	18.16	18.26	
100	QPSK	1	1	18.16	18.30	18.19	
100	QPSK	1	137	18.27	18.20	18.33	18.8
100	QPSK	1	271	18.21	18.32	18.30	
100	QPSK	135	0	18.26	18.13	18.29	
100	QPSK	135	69	18.26	18.18	18.21	18.8
100	QPSK	135	138	18.10	18.29	18.31	18.8
100	QPSK	270	0	18.19	18.30	18.17	
100	16QAM	1	1	18.23	18.17	18.16	
100	64QAM	1	1	18.24	18.30	18.21	18.8
100	256QAM	1	1	18.15	18.26	18.28	18.8
Channel				508200	518598	528996	18.8
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	18.11	18.19	18.33	
Channel				507204	518598	529998	18.8
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	18.08	18.25	18.34	
Channel				506202	518598	531000	18.8
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	18.26	18.29	18.26	
Channel				505200	518598	531996	18.8
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	18.11	18.19	18.28	
Channel				504204	518598	532998	18.8
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	18.12	18.18	18.33	
Channel				503202	518598	534000	18.8
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	18.15	18.28	18.30	
Channel				502200	518598	534996	18.8
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	18.26	18.19	18.30	
Channel				501204	518598	535998	18.8
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	18.09	18.21	18.19	
Channel				500700	518598	536496	18.8
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	18.08	18.28	18.21	
Channel				500202	518598	537000	18.8
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	18.16	18.14	18.21	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	18.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	18.40	18.34	18.28	
100	PI/2 BPSK	1	137	18.26	18.32	18.11	18.6
100	PI/2 BPSK	1	271	18.38	18.20	18.17	
100	PI/2 BPSK	135	0	18.35	18.17	18.10	
100	PI/2 BPSK	135	69	18.39	18.22	18.24	18.6
100	PI/2 BPSK	135	138	18.33	18.14	18.09	18.6
100	PI/2 BPSK	270	0	18.27	18.20	18.25	
100	QPSK	1	1	18.22	18.27	18.09	
100	QPSK	1	137	18.27	18.14	18.09	18.6
100	QPSK	1	271	18.32	18.25	18.27	
100	QPSK	135	0	18.36	18.16	18.14	
100	QPSK	135	69	18.21	18.15	18.28	18.6
100	QPSK	135	138	18.38	18.14	18.22	18.6
100	QPSK	270	0	18.35	18.21	18.18	
100	16QAM	1	1	18.31	18.26	18.12	
100	64QAM	1	1	18.26	18.14	18.23	18.6
100	256QAM	1	1	18.38	18.21	18.19	18.6
Channel				508200	518598	528996	18.6
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	18.32	18.22	18.28	
Channel				507204	518598	529998	18.6
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	18.23	18.14	18.09	
Channel				506202	518598	531000	18.6
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	18.20	18.33	18.12	
Channel				505200	518598	531996	18.6
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	18.36	18.16	18.27	
Channel				504204	518598	532998	18.6
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	18.21	18.18	18.20	
Channel				503202	518598	534000	18.6
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	18.26	18.27	18.09	
Channel				502200	518598	534996	18.6
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	18.36	18.16	18.10	
Channel				501204	518598	535998	18.6
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	18.38	18.15	18.21	
Channel				500700	518598	536496	18.6
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	18.35	18.29	18.13	
Channel				500202	518598	537000	18.6
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	18.27	18.26	18.09	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	21.1
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.76	20.84	20.78	
100	PI/2 BPSK	1	137	20.67	20.78	20.60	21.1
100	PI/2 BPSK	1	271	20.57	20.68	20.60	
100	PI/2 BPSK	135	0	20.58	20.67	20.71	
100	PI/2 BPSK	135	69	20.75	20.80	20.75	21.1
100	PI/2 BPSK	135	138	20.58	20.79	20.72	21.1
100	PI/2 BPSK	270	0	20.63	20.70	20.74	
100	QPSK	1	1	20.75	20.65	20.68	
100	QPSK	1	137	20.65	20.76	20.72	21.1
100	QPSK	1	271	20.61	20.67	20.64	
100	QPSK	135	0	20.67	20.76	20.63	
100	QPSK	135	69	20.75	20.68	20.65	21.1
100	QPSK	135	138	20.62	20.75	20.62	21.1
100	QPSK	270	0	20.64	20.66	20.64	
100	16QAM	1	1	20.69	20.80	20.70	
100	64QAM	1	1	20.61	20.65	20.68	21.1
100	256QAM	1	1	19.60	19.64	19.58	20.6
Channel				508200	518598	528996	21.1
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.57	20.79	20.75	
Channel				507204	518598	529998	21.1
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.56	20.83	20.72	
Channel				506202	518598	531000	21.1
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	20.61	20.71	20.75	
Channel				505200	518598	531996	21.1
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.76	20.78	20.58	
Channel				504204	518598	532998	21.1
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.74	20.76	20.58	
Channel				503202	518598	534000	21.1
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.68	20.65	20.67	
Channel				502200	518598	534996	21.1
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.70	20.79	20.60	
Channel				501204	518598	535998	21.1
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.56	20.75	20.69	
Channel				500700	518598	536496	21.1
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.64	20.68	20.76	
Channel				500202	518598	537000	21.1
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.73	20.73	20.77	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.8
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.60	22.68	22.43	
100	PI/2 BPSK	1	137	22.39	22.38	22.04	22.8
100	PI/2 BPSK	1	271	22.44	22.45	22.22	
100	PI/2 BPSK	135	0	22.24	22.57	21.96	
100	PI/2 BPSK	135	69	22.32	22.62	22.15	22.8
100	PI/2 BPSK	135	138	22.18	22.18	22.09	22.8
100	PI/2 BPSK	270	0	22.29	22.38	22.07	
100	QPSK	1	1	22.61	22.66	22.26	
100	QPSK	1	137	22.20	22.13	22.07	22.8
100	QPSK	1	271	22.45	22.55	22.13	
100	QPSK	135	0	22.39	22.52	21.97	
100	QPSK	135	69	22.29	22.29	22.18	22.8
100	QPSK	135	138	22.26	22.15	22.10	22.8
100	QPSK	270	0	22.51	22.34	22.39	
100	16QAM	1	1	22.53	22.41	22.56	
100	64QAM	1	1	21.41	21.55	21.24	22.7
100	256QAM	1	1	19.74	19.67	19.36	20.7
Channel				508200	518598	528996	22.8
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.59	22.61	22.47	
Channel				507204	518598	529998	22.8
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.66	22.50	22.44	
Channel				506202	518598	531000	22.8
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.58	22.57	22.37	
Channel				505200	518598	531996	22.8
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.54	22.41	22.56	
Channel				504204	518598	532998	22.8
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.42	22.66	22.32	
Channel				503202	518598	534000	22.8
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.64	22.48	22.31	
Channel				502200	518598	534996	22.8
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.66	22.65	22.34	
Channel				501204	518598	535998	22.8
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.56	22.63	22.43	
Channel				500700	518598	536496	22.8
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.59	22.50	22.23	
Channel				500202	518598	537000	22.8
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.64	22.48	22.28	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	20.4
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.29	19.36	19.37	
100	PI/2 BPSK	1	137	19.12	19.33	19.31	20.4
100	PI/2 BPSK	1	271	19.23	19.16	19.18	
100	PI/2 BPSK	135	0	19.16	19.25	19.24	
100	PI/2 BPSK	135	69	19.21	19.27	19.28	20.4
100	PI/2 BPSK	135	138	19.09	19.25	19.26	20.4
100	PI/2 BPSK	270	0	19.28	19.23	19.26	
100	QPSK	1	1	19.20	19.28	19.17	
100	QPSK	1	137	19.11	19.17	19.30	20.4
100	QPSK	1	271	19.10	19.26	19.21	
100	QPSK	135	0	19.18	19.30	19.31	
100	QPSK	135	69	19.28	19.24	19.36	20.4
100	QPSK	135	138	19.12	19.28	19.19	20.4
100	QPSK	270	0	19.13	19.17	19.31	
100	16QAM	1	1	19.12	19.33	19.20	
100	64QAM	1	1	19.10	19.35	19.33	20.4
100	256QAM	1	1	19.24	19.30	19.29	20.4
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	19.13	19.28	19.28	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.21	19.30	19.26	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	19.15	19.25	19.36	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.23	19.16	19.34	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.24	19.23	19.23	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.13	19.24	19.20	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.22	19.31	19.25	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.18	19.29	19.28	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	19.18	19.34	19.21	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	19.11	19.25	19.19	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	20.4
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.43	19.36	19.28	
100	PI/2 BPSK	1	137	19.24	19.17	19.10	20.4
100	PI/2 BPSK	1	271	19.42	19.28	19.13	
100	PI/2 BPSK	135	0	19.35	19.28	19.22	
100	PI/2 BPSK	135	69	19.36	19.31	19.28	20.4
100	PI/2 BPSK	135	138	19.32	19.31	19.13	20.4
100	PI/2 BPSK	270	0	19.40	19.29	19.13	
100	QPSK	1	1	19.32	19.17	19.28	
100	QPSK	1	137	19.32	19.32	19.13	20.4
100	QPSK	1	271	19.35	19.25	19.24	
100	QPSK	135	0	19.36	19.33	19.18	
100	QPSK	135	69	19.34	19.34	19.16	20.4
100	QPSK	135	138	19.35	19.21	19.16	20.4
100	QPSK	270	0	19.35	19.27	19.25	
100	16QAM	1	1	19.26	19.35	19.16	
100	64QAM	1	1	19.24	19.18	19.22	20.4
100	256QAM	1	1	19.25	19.17	19.01	20.4
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	19.31	19.19	19.13	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.28	19.35	19.25	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	19.40	19.28	19.26	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.34	19.18	19.12	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.30	19.20	19.19	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.32	19.28	19.27	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.25	19.33	19.21	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.41	19.36	19.22	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	19.41	19.21	19.23	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	19.23	19.16	19.23	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	21.9
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.76	20.84	20.78	
100	PI/2 BPSK	1	137	20.67	20.78	20.60	21.9
100	PI/2 BPSK	1	271	20.57	20.68	20.60	
100	PI/2 BPSK	135	0	20.58	20.67	20.71	
100	PI/2 BPSK	135	69	20.75	20.80	20.75	21.9
100	PI/2 BPSK	135	138	20.58	20.79	20.72	21.9
100	PI/2 BPSK	270	0	20.63	20.70	20.74	
100	QPSK	1	1	20.75	20.65	20.68	
100	QPSK	1	137	20.65	20.76	20.72	21.9
100	QPSK	1	271	20.61	20.67	20.64	
100	QPSK	135	0	20.67	20.76	20.63	
100	QPSK	135	69	20.75	20.68	20.65	21.9
100	QPSK	135	138	20.62	20.75	20.62	21.9
100	QPSK	270	0	20.64	20.66	20.64	
100	16QAM	1	1	20.69	20.80	20.70	
100	64QAM	1	1	20.61	20.65	20.68	21.9
100	256QAM	1	1	19.60	19.64	19.58	20.6
Channel				508200	518598	528996	21.9
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.57	20.79	20.75	
Channel				507204	518598	529998	21.9
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.56	20.83	20.72	
Channel				506202	518598	531000	21.9
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	20.61	20.71	20.75	
Channel				505200	518598	531996	21.9
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.76	20.78	20.58	
Channel				504204	518598	532998	21.9
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.74	20.76	20.58	
Channel				503202	518598	534000	21.9
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.68	20.65	20.67	
Channel				502200	518598	534996	21.9
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.70	20.79	20.60	
Channel				501204	518598	535998	21.9
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.56	20.75	20.69	
Channel				500700	518598	536496	21.9
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.64	20.68	20.76	
Channel				500202	518598	537000	21.9
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.73	20.73	20.77	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	23.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.60	22.68	22.43	
100	PI/2 BPSK	1	137	22.39	22.38	22.04	23.6
100	PI/2 BPSK	1	271	22.44	22.45	22.22	
100	PI/2 BPSK	135	0	22.24	22.57	21.96	
100	PI/2 BPSK	135	69	22.32	22.62	22.15	23.6
100	PI/2 BPSK	135	138	22.18	22.18	22.09	
100	PI/2 BPSK	270	0	22.29	22.38	22.07	
100	QPSK	1	1	22.61	22.66	22.26	23.6
100	QPSK	1	137	22.20	22.13	22.07	
100	QPSK	1	271	22.45	22.55	22.13	
100	QPSK	135	0	22.39	22.52	21.97	23.6
100	QPSK	135	69	22.29	22.29	22.18	
100	QPSK	135	138	22.26	22.15	22.10	
100	QPSK	270	0	22.51	22.34	22.39	23.6
100	16QAM	1	1	22.53	22.41	22.56	
100	64QAM	1	1	21.41	21.55	21.24	
100	256QAM	1	1	19.74	19.67	19.36	20.7
Channel				508200	518598	528996	23.6
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.59	22.61	22.47	
Channel				507204	518598	529998	23.6
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.66	22.50	22.44	
Channel				506202	518598	531000	23.6
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.58	22.57	22.37	
Channel				505200	518598	531996	23.6
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.54	22.41	22.56	
Channel				504204	518598	532998	23.6
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.42	22.66	22.32	
Channel				503202	518598	534000	23.6
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.64	22.48	22.31	
Channel				502200	518598	534996	23.6
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.66	22.65	22.34	
Channel				501204	518598	535998	23.6
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.56	22.63	22.43	
Channel				500700	518598	536496	23.6
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.59	22.50	22.23	
Channel				500202	518598	537000	23.6
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.64	22.48	22.28	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	19.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.29	19.36	19.37	
100	PI/2 BPSK	1	137	19.12	19.33	19.31	19.6
100	PI/2 BPSK	1	271	19.23	19.16	19.18	
100	PI/2 BPSK	135	0	19.16	19.25	19.24	
100	PI/2 BPSK	135	69	19.21	19.27	19.28	19.6
100	PI/2 BPSK	135	138	19.09	19.25	19.26	19.6
100	PI/2 BPSK	270	0	19.28	19.23	19.26	
100	QPSK	1	1	19.20	19.28	19.17	
100	QPSK	1	137	19.11	19.17	19.30	19.6
100	QPSK	1	271	19.10	19.26	19.21	
100	QPSK	135	0	19.18	19.30	19.31	
100	QPSK	135	69	19.28	19.24	19.36	19.6
100	QPSK	135	138	19.12	19.28	19.19	19.6
100	QPSK	270	0	19.13	19.17	19.31	
100	16QAM	1	1	19.12	19.33	19.20	
100	64QAM	1	1	19.10	19.35	19.33	19.6
100	256QAM	1	1	19.24	19.30	19.29	19.6
Channel				508200	518598	528996	19.6
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	19.13	19.28	19.28	
Channel				507204	518598	529998	19.6
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.21	19.30	19.26	
Channel				506202	518598	531000	19.6
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	19.15	19.25	19.36	
Channel				505200	518598	531996	19.6
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.23	19.16	19.34	
Channel				504204	518598	532998	19.6
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.24	19.23	19.23	
Channel				503202	518598	534000	19.6
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.13	19.24	19.20	
Channel				502200	518598	534996	19.6
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.22	19.31	19.25	
Channel				501204	518598	535998	19.6
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.18	19.29	19.28	
Channel				500700	518598	536496	19.6
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	19.18	19.34	19.21	
Channel				500202	518598	537000	19.6
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	19.11	19.25	19.19	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	19.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.43	19.36	19.28	
100	PI/2 BPSK	1	137	19.24	19.17	19.10	19.6
100	PI/2 BPSK	1	271	19.42	19.28	19.13	
100	PI/2 BPSK	135	0	19.35	19.28	19.22	
100	PI/2 BPSK	135	69	19.36	19.31	19.28	19.6
100	PI/2 BPSK	135	138	19.32	19.31	19.13	19.6
100	PI/2 BPSK	270	0	19.40	19.29	19.13	
100	QPSK	1	1	19.32	19.17	19.28	
100	QPSK	1	137	19.32	19.32	19.13	19.6
100	QPSK	1	271	19.35	19.25	19.24	
100	QPSK	135	0	19.36	19.33	19.18	
100	QPSK	135	69	19.34	19.34	19.16	19.6
100	QPSK	135	138	19.35	19.21	19.16	19.6
100	QPSK	270	0	19.35	19.27	19.25	
100	16QAM	1	1	19.26	19.35	19.16	
100	64QAM	1	1	19.24	19.18	19.22	19.6
100	256QAM	1	1	19.25	19.17	19.01	19.6
Channel				508200	518598	528996	19.6
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	19.31	19.19	19.13	
Channel				507204	518598	529998	19.6
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.28	19.35	19.25	
Channel				506202	518598	531000	19.6
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	19.40	19.28	19.26	
Channel				505200	518598	531996	19.6
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.34	19.18	19.12	
Channel				504204	518598	532998	19.6
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.30	19.20	19.19	
Channel				503202	518598	534000	19.6
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.32	19.28	19.27	
Channel				502200	518598	534996	19.6
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.25	19.33	19.21	
Channel				501204	518598	535998	19.6
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.41	19.36	19.22	
Channel				500700	518598	536496	19.6
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	19.41	19.21	19.23	
Channel				500202	518598	537000	19.6
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	19.23	19.16	19.23	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	21.1
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.76	20.84	20.78	
100	PI/2 BPSK	1	137	20.67	20.78	20.60	21.1
100	PI/2 BPSK	1	271	20.57	20.68	20.60	
100	PI/2 BPSK	135	0	20.58	20.67	20.71	
100	PI/2 BPSK	135	69	20.75	20.80	20.75	21.1
100	PI/2 BPSK	135	138	20.58	20.79	20.72	21.1
100	PI/2 BPSK	270	0	20.63	20.70	20.74	
100	QPSK	1	1	20.75	20.65	20.68	
100	QPSK	1	137	20.65	20.76	20.72	21.1
100	QPSK	1	271	20.61	20.67	20.64	
100	QPSK	135	0	20.67	20.76	20.63	
100	QPSK	135	69	20.75	20.68	20.65	21.1
100	QPSK	135	138	20.62	20.75	20.62	21.1
100	QPSK	270	0	20.64	20.66	20.64	
100	16QAM	1	1	20.69	20.80	20.70	
100	64QAM	1	1	20.61	20.65	20.68	21.1
100	256QAM	1	1	19.60	19.64	19.58	20.6
Channel				508200	518598	528996	21.1
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.57	20.79	20.75	
Channel				507204	518598	529998	21.1
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.56	20.83	20.72	
Channel				506202	518598	531000	21.1
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	20.61	20.71	20.75	
Channel				505200	518598	531996	21.1
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.76	20.78	20.58	
Channel				504204	518598	532998	21.1
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.74	20.76	20.58	
Channel				503202	518598	534000	21.1
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.68	20.65	20.67	
Channel				502200	518598	534996	21.1
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.70	20.79	20.60	
Channel				501204	518598	535998	21.1
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.56	20.75	20.69	
Channel				500700	518598	536496	21.1
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.64	20.68	20.76	
Channel				500202	518598	537000	21.1
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.73	20.73	20.77	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.8
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.60	22.68	22.43	
100	PI/2 BPSK	1	137	22.39	22.38	22.04	22.8
100	PI/2 BPSK	1	271	22.44	22.45	22.22	
100	PI/2 BPSK	135	0	22.24	22.57	21.96	
100	PI/2 BPSK	135	69	22.32	22.62	22.15	22.8
100	PI/2 BPSK	135	138	22.18	22.18	22.09	22.8
100	PI/2 BPSK	270	0	22.29	22.38	22.07	
100	QPSK	1	1	22.61	22.66	22.26	
100	QPSK	1	137	22.20	22.13	22.07	22.8
100	QPSK	1	271	22.45	22.55	22.13	
100	QPSK	135	0	22.39	22.52	21.97	
100	QPSK	135	69	22.29	22.29	22.18	22.8
100	QPSK	135	138	22.26	22.15	22.10	22.8
100	QPSK	270	0	22.51	22.34	22.39	
100	16QAM	1	1	22.53	22.41	22.56	
100	64QAM	1	1	21.41	21.55	21.24	22.7
100	256QAM	1	1	19.74	19.67	19.36	20.7
Channel				508200	518598	528996	22.8
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.59	22.61	22.47	
Channel				507204	518598	529998	22.8
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.66	22.50	22.44	
Channel				506202	518598	531000	22.8
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.58	22.57	22.37	
Channel				505200	518598	531996	22.8
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.54	22.41	22.56	
Channel				504204	518598	532998	22.8
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.42	22.66	22.32	
Channel				503202	518598	534000	22.8
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.64	22.48	22.31	
Channel				502200	518598	534996	22.8
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.66	22.65	22.34	
Channel				501204	518598	535998	22.8
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.56	22.63	22.43	
Channel				500700	518598	536496	22.8
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.59	22.50	22.23	
Channel				500202	518598	537000	22.8
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.64	22.48	22.28	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	27.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	26.36	26.37	26.45	
100	PI/2 BPSK	1	137	26.18	26.21	26.27	26.5
100	PI/2 BPSK	1	271	26.30	26.32	26.38	
100	PI/2 BPSK	135	0	25.24	25.25	25.33	
100	PI/2 BPSK	135	69	26.12	26.21	26.20	27.0
100	PI/2 BPSK	135	138	25.06	25.17	25.15	26.5
100	PI/2 BPSK	270	0	25.13	25.22	25.29	
100	QPSK	1	1	26.31	26.35	26.37	
100	QPSK	1	137	26.14	26.19	26.18	27.0
100	QPSK	1	271	26.22	26.26	26.29	
100	QPSK	135	0	24.70	24.75	24.73	
100	QPSK	135	69	26.18	26.22	26.20	26.0
100	QPSK	135	138	24.63	24.67	24.65	27.0
100	QPSK	270	0	24.72	24.74	24.81	
100	16QAM	1	1	25.35	25.43	25.41	
100	64QAM	1	1	23.75	23.84	23.86	26.0
100	256QAM	1	1	22.10	22.18	22.17	24.5
Channel				508200	518598	528996	22.5
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	26.26	26.31	26.36	
Channel				507204	518598	529998	27.0
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	26.35	26.23	26.33	
Channel				506202	518598	531000	27.0
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	26.33	26.17	26.39	
Channel				505200	518598	531996	27.0
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	26.32	26.29	26.42	
Channel				504204	518598	532998	27.0
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	26.34	26.35	26.43	
Channel				503202	518598	534000	27.0
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	26.26	26.27	26.28	
Channel				502200	518598	534996	27.0
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	26.34	26.19	26.35	
Channel				501204	518598	535998	27.0
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	26.35	26.32	26.31	
Channel				500700	518598	536496	27.0
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	26.20	26.37	26.36	
Channel				500202	518598	537000	27.0
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	26.17	26.36	26.38	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	21.8
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.43	21.34	21.28	
100	PI/2 BPSK	1	137	21.29	21.30	21.28	21.8
100	PI/2 BPSK	1	271	21.41	21.23	21.18	
100	PI/2 BPSK	135	0	21.33	21.19	21.16	
100	PI/2 BPSK	135	69	21.35	21.29	21.26	21.8
100	PI/2 BPSK	135	138	21.23	21.33	21.23	21.8
100	PI/2 BPSK	270	0	21.38	21.26	21.21	
100	QPSK	1	1	21.28	21.19	21.21	
100	QPSK	1	137	21.27	21.20	21.24	21.8
100	QPSK	1	271	21.27	21.25	21.14	
100	QPSK	135	0	21.41	21.25	21.19	
100	QPSK	135	69	21.32	21.19	21.09	21.8
100	QPSK	135	138	21.39	21.19	21.27	21.8
100	QPSK	270	0	21.36	21.29	21.22	
100	16QAM	1	1	21.28	21.27	21.21	
100	64QAM	1	1	21.24	21.34	21.24	21.8
100	256QAM	1	1	21.29	21.21	21.22	21.8
Channel				508200	518598	528996	21.8
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.40	21.19	21.28	
Channel				507204	518598	529998	21.8
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.24	21.28	21.08	
Channel				506202	518598	531000	21.8
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	21.24	21.33	21.12	
Channel				505200	518598	531996	21.8
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.25	21.21	21.21	
Channel				504204	518598	532998	21.8
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.41	21.19	21.27	
Channel				503202	518598	534000	21.8
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.40	21.31	21.23	
Channel				502200	518598	534996	21.8
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.30	21.14	21.22	
Channel				501204	518598	535998	21.8
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.37	21.28	21.17	
Channel				500700	518598	536496	21.8
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.23	21.21	21.13	
Channel				500202	518598	537000	21.8
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.31	21.24	21.13	



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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)
Channel				509202	518598	528000	27.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.94	26.03	26.00	
100	PI/2 BPSK	1	137	25.69	25.78	25.72	26.5
100	PI/2 BPSK	1	271	25.86	26.02	25.89	
100	PI/2 BPSK	135	0	24.71	24.85	24.79	
100	PI/2 BPSK	135	69	25.68	25.81	25.72	26.5
100	PI/2 BPSK	135	138	24.65	24.80	24.76	
100	PI/2 BPSK	270	0	24.59	24.77	24.70	
100	QPSK	1	1	25.93	26.02	25.89	27.0
100	QPSK	1	137	25.65	25.78	25.67	
100	QPSK	1	271	25.81	25.94	25.83	
100	QPSK	135	0	24.74	24.85	24.81	26.0
100	QPSK	135	69	25.72	25.81	25.76	
100	QPSK	135	138	24.62	24.80	24.69	
100	QPSK	270	0	24.65	24.81	24.77	24.5
100	16QAM	1	1	24.91	25.07	25.04	
100	64QAM	1	1	23.38	23.48	23.44	
100	256QAM	1	1	21.60	21.76	21.66	22.5
Channel				508200	518598	528996	27.0
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.94	25.84	25.88	
Channel				507204	518598	529998	27.0
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.89	25.87	25.96	
Channel				506202	518598	531000	27.0
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.84	25.88	25.87	
Channel				505200	518598	531996	27.0
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.76	25.89	25.90	
Channel				504204	518598	532998	27.0
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.80	25.99	25.89	
Channel				503202	518598	534000	27.0
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.92	25.93	25.96	
Channel				502200	518598	534996	27.0
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.76	25.89	25.86	
Channel				501204	518598	535998	27.0
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.91	25.94	25.95	
Channel				500700	518598	536496	27.0
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.75	26.00	25.98	
Channel				500202	518598	537000	27.0
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.75	25.85	25.99	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	27.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	26.05	26.06	25.86	
100	PI/2 BPSK	1	137	25.59	25.62	25.39	26.5
100	PI/2 BPSK	1	271	25.69	25.80	25.51	
100	PI/2 BPSK	135	0	24.64	24.72	24.69	
100	PI/2 BPSK	135	69	25.55	25.62	25.39	26.5
100	PI/2 BPSK	135	138	24.52	24.59	24.61	
100	PI/2 BPSK	270	0	24.60	24.61	24.63	
100	QPSK	1	1	25.98	26.04	25.80	27.0
100	QPSK	1	137	25.60	25.63	25.33	
100	QPSK	1	271	25.76	25.83	25.59	
100	QPSK	135	0	24.72	24.75	24.52	26.0
100	QPSK	135	69	25.61	25.65	25.39	
100	QPSK	135	138	24.53	24.60	24.35	
100	QPSK	270	0	24.58	24.65	24.39	24.5
100	16QAM	1	1	24.95	25.01	24.75	
100	64QAM	1	1	23.38	23.41	23.21	
100	256QAM	1	1	21.66	21.70	21.40	22.5
Channel				508200	518598	528996	27.0
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	26.00	25.96	25.67	
Channel				507204	518598	529998	27.0
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	26.03	25.93	25.80	
Channel				506202	518598	531000	27.0
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	26.01	26.00	25.73	
Channel				505200	518598	531996	27.0
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.96	26.02	25.85	
Channel				504204	518598	532998	27.0
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.89	25.99	25.86	
Channel				503202	518598	534000	27.0
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	26.02	25.91	25.79	
Channel				502200	518598	534996	27.0
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	26.03	26.05	25.70	
Channel				501204	518598	535998	27.0
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.91	25.89	25.76	
Channel				500700	518598	536496	27.0
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.88	25.89	25.72	
Channel				500202	518598	537000	27.0
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.97	25.98	25.76	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	21.8
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.27	21.32	21.38	
100	PI/2 BPSK	1	137	21.24	21.13	21.27	21.8
100	PI/2 BPSK	1	271	21.16	21.22	21.25	
100	PI/2 BPSK	135	0	21.21	21.13	21.24	
100	PI/2 BPSK	135	69	21.22	21.26	21.28	21.8
100	PI/2 BPSK	135	138	21.10	21.21	21.24	21.8
100	PI/2 BPSK	270	0	21.26	21.22	21.28	
100	QPSK	1	1	21.24	21.20	21.27	
100	QPSK	1	137	21.25	21.19	21.33	21.8
100	QPSK	1	271	21.17	21.22	21.31	
100	QPSK	135	0	21.25	21.25	21.19	
100	QPSK	135	69	21.18	21.17	21.31	21.8
100	QPSK	135	138	21.21	21.28	21.29	21.8
100	QPSK	270	0	21.07	21.21	21.27	
100	16QAM	1	1	21.14	21.31	21.25	
100	64QAM	1	1	21.19	21.21	21.19	21.8
100	256QAM	1	1	21.09	21.12	21.30	21.8
Channel				508200	518598	528996	21.8
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.23	21.22	21.34	
Channel				507204	518598	529998	21.8
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.23	21.24	21.37	
Channel				506202	518598	531000	21.8
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	21.15	21.21	21.30	
Channel				505200	518598	531996	21.8
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.11	21.19	21.18	
Channel				504204	518598	532998	21.8
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.25	21.17	21.26	
Channel				503202	518598	534000	21.8
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.10	21.22	21.28	
Channel				502200	518598	534996	21.8
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.19	21.29	21.26	
Channel				501204	518598	535998	21.8
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.09	21.20	21.25	
Channel				500700	518598	536496	21.8
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.20	21.23	21.36	
Channel				500202	518598	537000	21.8
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.18	21.23	21.34	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	21.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.43	21.34	21.28	
100	PI/2 BPSK	1	137	21.29	21.30	21.28	21.6
100	PI/2 BPSK	1	271	21.41	21.23	21.18	
100	PI/2 BPSK	135	0	21.33	21.19	21.16	
100	PI/2 BPSK	135	69	21.35	21.29	21.26	21.6
100	PI/2 BPSK	135	138	21.23	21.33	21.23	21.6
100	PI/2 BPSK	270	0	21.38	21.26	21.21	
100	QPSK	1	1	21.28	21.19	21.21	
100	QPSK	1	137	21.27	21.20	21.24	21.6
100	QPSK	1	271	21.27	21.25	21.14	
100	QPSK	135	0	21.41	21.25	21.19	
100	QPSK	135	69	21.32	21.19	21.09	21.6
100	QPSK	135	138	21.39	21.19	21.27	21.6
100	QPSK	270	0	21.36	21.29	21.22	
100	16QAM	1	1	21.28	21.27	21.21	
100	64QAM	1	1	21.24	21.34	21.24	21.6
100	256QAM	1	1	21.29	21.21	21.22	21.6
Channel				508200	518598	528996	21.6
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.40	21.19	21.28	
Channel				507204	518598	529998	21.6
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.24	21.28	21.08	
Channel				506202	518598	531000	21.6
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	21.24	21.33	21.12	
Channel				505200	518598	531996	21.6
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.25	21.21	21.21	
Channel				504204	518598	532998	21.6
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.41	21.19	21.27	
Channel				503202	518598	534000	21.6
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.40	21.31	21.23	
Channel				502200	518598	534996	21.6
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.30	21.14	21.22	
Channel				501204	518598	535998	21.6
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.37	21.28	21.17	
Channel				500700	518598	536496	21.6
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.23	21.21	21.13	
Channel				500202	518598	537000	21.6
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.31	21.24	21.13	



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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)
Channel				509202	518598	528000	24.1
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.86	23.94	23.88	
100	PI/2 BPSK	1	137	23.86	23.93	23.75	24.1
100	PI/2 BPSK	1	271	23.68	23.89	23.83	
100	PI/2 BPSK	135	0	23.79	23.87	23.73	
100	PI/2 BPSK	135	69	23.82	23.91	23.77	24.1
100	PI/2 BPSK	135	138	23.80	23.90	23.75	24.1
100	PI/2 BPSK	270	0	23.74	23.89	23.69	
100	QPSK	1	1	23.71	23.90	23.82	
100	QPSK	1	137	23.69	23.90	23.72	24.1
100	QPSK	1	271	23.79	23.79	23.72	
100	QPSK	135	0	23.80	23.92	23.68	
100	QPSK	135	69	23.66	23.84	23.83	24.1
100	QPSK	135	138	23.81	23.79	23.88	24.1
100	QPSK	270	0	23.84	23.74	23.85	
100	16QAM	1	1	23.67	23.77	23.74	
100	64QAM	1	1	22.65	22.90	22.81	24.1
100	256QAM	1	1	21.74	21.76	21.71	22.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.78	23.76	23.77	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.84	23.92	23.68	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	23.71	23.83	23.82	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.77	23.90	23.68	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.76	23.91	23.81	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.86	23.83	23.75	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.72	23.84	23.86	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.69	23.80	23.74	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.67	23.92	23.69	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.85	23.86	23.79	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	25.8
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.95	24.99	24.95	
100	PI/2 BPSK	1	137	24.70	24.79	24.75	25.8
100	PI/2 BPSK	1	271	24.78	24.87	24.66	
100	PI/2 BPSK	135	0	24.67	24.63	24.63	
100	PI/2 BPSK	135	69	24.71	24.72	24.68	25.8
100	PI/2 BPSK	135	138	24.63	24.69	24.74	25.8
100	PI/2 BPSK	270	0	24.58	24.64	24.63	
100	QPSK	1	1	24.95	24.92	24.90	
100	QPSK	1	137	24.65	24.72	24.70	25.8
100	QPSK	1	271	24.81	24.87	24.67	
100	QPSK	135	0	24.72	24.71	24.77	
100	QPSK	135	69	24.71	24.73	24.73	25.8
100	QPSK	135	138	24.70	24.70	24.73	25.8
100	QPSK	270	0	24.74	24.75	24.66	
100	16QAM	1	1	24.87	24.94	24.67	
100	64QAM	1	1	23.29	23.38	23.20	24.5
100	256QAM	1	1	21.64	21.65	21.40	22.5
Channel				508200	518598	528996	25.8
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.92	24.94	24.68	
Channel				507204	518598	529998	25.8
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.91	24.97	24.84	
Channel				506202	518598	531000	25.8
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	24.90	24.97	24.83	
Channel				505200	518598	531996	25.8
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.95	24.93	24.92	
Channel				504204	518598	532998	25.8
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.96	24.89	24.87	
Channel				503202	518598	534000	25.8
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.98	24.98	24.79	
Channel				502200	518598	534996	25.8
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.94	24.94	24.75	
Channel				501204	518598	535998	25.8
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.93	24.98	24.77	
Channel				500700	518598	536496	25.8
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.96	24.94	24.80	
Channel				500202	518598	537000	25.8
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.92	24.91	24.79	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	23.4
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.29	22.39	22.38	
100	PI/2 BPSK	1	137	22.13	22.23	22.19	23.4
100	PI/2 BPSK	1	271	22.12	22.24	22.21	
100	PI/2 BPSK	135	0	22.13	22.23	22.33	
100	PI/2 BPSK	135	69	22.16	22.38	22.34	23.4
100	PI/2 BPSK	135	138	22.13	22.29	22.27	23.4
100	PI/2 BPSK	270	0	22.29	22.31	22.34	
100	QPSK	1	1	22.14	22.19	22.38	
100	QPSK	1	137	22.20	22.25	22.28	23.4
100	QPSK	1	271	22.13	22.31	22.25	
100	QPSK	135	0	22.21	22.30	22.25	
100	QPSK	135	69	22.25	22.20	22.21	23.4
100	QPSK	135	138	22.09	22.31	22.33	23.4
100	QPSK	270	0	22.26	22.21	22.31	
100	16QAM	1	1	22.12	22.28	22.18	
100	64QAM	1	1	22.09	22.30	22.20	23.4
100	256QAM	1	1	22.29	22.27	22.37	22.5
Channel				508200	518598	528996	23.4
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.18	22.33	22.23	
Channel				507204	518598	529998	23.4
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.24	22.22	22.29	
Channel				506202	518598	531000	23.4
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.23	22.36	22.24	
Channel				505200	518598	531996	23.4
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.22	22.32	22.18	
Channel				504204	518598	532998	23.4
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.26	22.25	22.32	
Channel				503202	518598	534000	23.4
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.09	22.20	22.23	
Channel				502200	518598	534996	23.4
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.18	22.30	22.36	
Channel				501204	518598	535998	23.4
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.09	22.26	22.27	
Channel				500700	518598	536496	23.4
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.13	22.38	22.28	
Channel				500202	518598	537000	23.4
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.15	22.32	22.31	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	23.4
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.46	22.37	22.31	
100	PI/2 BPSK	1	137	22.43	22.35	22.28	23.4
100	PI/2 BPSK	1	271	22.45	22.17	22.15	
100	PI/2 BPSK	135	0	22.40	22.20	22.25	
100	PI/2 BPSK	135	69	22.42	22.28	22.21	23.4
100	PI/2 BPSK	135	138	22.31	22.23	22.25	23.4
100	PI/2 BPSK	270	0	22.38	22.24	22.15	
100	QPSK	1	1	22.32	22.28	22.17	
100	QPSK	1	137	22.38	22.27	22.28	23.4
100	QPSK	1	271	22.39	22.25	22.24	
100	QPSK	135	0	22.11	22.21	22.10	
100	QPSK	135	69	22.30	22.41	22.21	23.4
100	QPSK	135	138	21.96	22.08	22.06	23.4
100	QPSK	270	0	22.01	22.12	21.93	
100	16QAM	1	1	22.38	22.44	22.25	
100	64QAM	1	1	22.14	22.20	22.15	23.4
100	256QAM	1	1	22.07	22.19	22.01	22.5
Channel				508200	518598	528996	23.4
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.27	22.34	22.31	
Channel				507204	518598	529998	23.4
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.32	22.26	22.14	
Channel				506202	518598	531000	23.4
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.39	22.24	22.15	
Channel				505200	518598	531996	23.4
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.43	22.33	22.12	
Channel				504204	518598	532998	23.4
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.39	22.31	22.25	
Channel				503202	518598	534000	23.4
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.40	22.36	22.17	
Channel				502200	518598	534996	23.4
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.44	22.24	22.27	
Channel				501204	518598	535998	23.4
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.29	22.20	22.12	
Channel				500700	518598	536496	23.4
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.40	22.26	22.24	
Channel				500202	518598	537000	23.4
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.36	22.36	22.12	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	24.9
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.86	23.94	23.88	
100	PI/2 BPSK	1	137	23.86	23.93	23.75	24.9
100	PI/2 BPSK	1	271	23.68	23.89	23.83	
100	PI/2 BPSK	135	0	23.79	23.87	23.73	
100	PI/2 BPSK	135	69	23.82	23.91	23.77	24.9
100	PI/2 BPSK	135	138	23.80	23.90	23.75	24.9
100	PI/2 BPSK	270	0	23.74	23.89	23.69	
100	QPSK	1	1	23.71	23.90	23.82	
100	QPSK	1	137	23.69	23.90	23.72	24.9
100	QPSK	1	271	23.79	23.79	23.72	
100	QPSK	135	0	23.80	23.92	23.68	
100	QPSK	135	69	23.66	23.84	23.83	24.9
100	QPSK	135	138	23.81	23.79	23.88	24.9
100	QPSK	270	0	23.84	23.74	23.85	
100	16QAM	1	1	23.67	23.77	23.74	
100	64QAM	1	1	22.65	22.90	22.81	24.5
100	256QAM	1	1	21.74	21.76	21.71	22.5
Channel				508200	518598	528996	24.9
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.78	23.76	23.77	
Channel				507204	518598	529998	24.9
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.84	23.92	23.68	
Channel				506202	518598	531000	24.9
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	23.71	23.83	23.82	
Channel				505200	518598	531996	24.9
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.77	23.90	23.68	
Channel				504204	518598	532998	24.9
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.76	23.91	23.81	
Channel				503202	518598	534000	24.9
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.86	23.83	23.75	
Channel				502200	518598	534996	24.9
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.72	23.84	23.86	
Channel				501204	518598	535998	24.9
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.69	23.80	23.74	
Channel				500700	518598	536496	24.9
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.67	23.92	23.69	
Channel				500202	518598	537000	24.9
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.85	23.86	23.79	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	26.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.95	24.99	24.95	
100	PI/2 BPSK	1	137	24.70	24.79	24.75	26.5
100	PI/2 BPSK	1	271	24.78	24.87	24.66	
100	PI/2 BPSK	135	0	24.67	24.63	24.63	
100	PI/2 BPSK	135	69	24.71	24.72	24.68	26.5
100	PI/2 BPSK	135	138	24.63	24.69	24.74	
100	PI/2 BPSK	270	0	24.58	24.64	24.63	
100	QPSK	1	1	24.95	24.92	24.90	26.6
100	QPSK	1	137	24.65	24.72	24.70	
100	QPSK	1	271	24.81	24.87	24.67	
100	QPSK	135	0	24.72	24.71	24.77	26.0
100	QPSK	135	69	24.71	24.73	24.73	
100	QPSK	135	138	24.70	24.70	24.73	
100	QPSK	270	0	24.74	24.75	24.66	26.0
100	16QAM	1	1	24.87	24.94	24.67	
100	64QAM	1	1	23.29	23.38	23.20	
100	256QAM	1	1	21.64	21.65	21.40	22.5
Channel				508200	518598	528996	26.6
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.92	24.94	24.68	
Channel				507204	518598	529998	26.6
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.91	24.97	24.84	
Channel				506202	518598	531000	26.6
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	24.90	24.97	24.83	
Channel				505200	518598	531996	26.6
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.95	24.93	24.92	
Channel				504204	518598	532998	26.6
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.96	24.89	24.87	
Channel				503202	518598	534000	26.6
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.98	24.98	24.79	
Channel				502200	518598	534996	26.6
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.94	24.94	24.75	
Channel				501204	518598	535998	26.6
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.93	24.98	24.77	
Channel				500700	518598	536496	26.6
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.96	24.94	24.80	
Channel				500202	518598	537000	26.6
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.92	24.91	24.79	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.29	22.39	22.38	
100	PI/2 BPSK	1	137	22.13	22.23	22.19	22.6
100	PI/2 BPSK	1	271	22.12	22.24	22.21	
100	PI/2 BPSK	135	0	22.13	22.23	22.33	
100	PI/2 BPSK	135	69	22.16	22.38	22.34	22.6
100	PI/2 BPSK	135	138	22.13	22.29	22.27	22.6
100	PI/2 BPSK	270	0	22.29	22.31	22.34	
100	QPSK	1	1	22.14	22.19	22.38	
100	QPSK	1	137	22.20	22.25	22.28	22.6
100	QPSK	1	271	22.13	22.31	22.25	
100	QPSK	135	0	22.21	22.30	22.25	
100	QPSK	135	69	22.25	22.20	22.21	22.6
100	QPSK	135	138	22.09	22.31	22.33	22.6
100	QPSK	270	0	22.26	22.21	22.31	
100	16QAM	1	1	22.12	22.28	22.18	
100	64QAM	1	1	22.09	22.30	22.20	22.6
100	256QAM	1	1	22.29	22.27	22.37	22.5
Channel				508200	518598	528996	22.6
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.18	22.33	22.23	
Channel				507204	518598	529998	22.6
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.24	22.22	22.29	
Channel				506202	518598	531000	22.6
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.23	22.36	22.24	
Channel				505200	518598	531996	22.6
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.22	22.32	22.18	
Channel				504204	518598	532998	22.6
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.26	22.25	22.32	
Channel				503202	518598	534000	22.6
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.09	22.20	22.23	
Channel				502200	518598	534996	22.6
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.18	22.30	22.36	
Channel				501204	518598	535998	22.6
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.09	22.26	22.27	
Channel				500700	518598	536496	22.6
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.13	22.38	22.28	
Channel				500202	518598	537000	22.6
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.15	22.32	22.31	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.46	22.37	22.31	
100	PI/2 BPSK	1	137	22.43	22.35	22.28	22.6
100	PI/2 BPSK	1	271	22.45	22.17	22.15	
100	PI/2 BPSK	135	0	22.40	22.20	22.25	
100	PI/2 BPSK	135	69	22.42	22.28	22.21	22.6
100	PI/2 BPSK	135	138	22.31	22.23	22.25	22.6
100	PI/2 BPSK	270	0	22.38	22.24	22.15	
100	QPSK	1	1	22.32	22.28	22.17	
100	QPSK	1	137	22.38	22.27	22.28	22.6
100	QPSK	1	271	22.39	22.25	22.24	
100	QPSK	135	0	22.11	22.21	22.10	
100	QPSK	135	69	22.30	22.41	22.21	22.6
100	QPSK	135	138	21.96	22.08	22.06	22.6
100	QPSK	270	0	22.01	22.12	21.93	
100	16QAM	1	1	22.38	22.44	22.25	
100	64QAM	1	1	22.14	22.20	22.15	22.6
100	256QAM	1	1	22.07	22.19	22.01	22.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.27	22.34	22.31	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.32	22.26	22.14	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.39	22.24	22.15	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.43	22.33	22.12	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.39	22.31	22.25	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.40	22.36	22.17	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.44	22.24	22.27	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.29	22.20	22.12	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.40	22.26	22.24	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.36	22.36	22.12	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	24.1
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.86	23.94	23.88	
100	PI/2 BPSK	1	137	23.86	23.93	23.75	24.1
100	PI/2 BPSK	1	271	23.68	23.89	23.83	
100	PI/2 BPSK	135	0	23.79	23.87	23.73	
100	PI/2 BPSK	135	69	23.82	23.91	23.77	24.1
100	PI/2 BPSK	135	138	23.80	23.90	23.75	24.1
100	PI/2 BPSK	270	0	23.74	23.89	23.69	
100	QPSK	1	1	23.71	23.90	23.82	
100	QPSK	1	137	23.69	23.90	23.72	24.1
100	QPSK	1	271	23.79	23.79	23.72	
100	QPSK	135	0	23.80	23.92	23.68	
100	QPSK	135	69	23.66	23.84	23.83	24.1
100	QPSK	135	138	23.81	23.79	23.88	24.1
100	QPSK	270	0	23.84	23.74	23.85	
100	16QAM	1	1	23.67	23.77	23.74	
100	64QAM	1	1	22.65	22.90	22.81	24.1
100	256QAM	1	1	21.74	21.76	21.71	22.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.78	23.76	23.77	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.84	23.92	23.68	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	23.71	23.83	23.82	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.77	23.90	23.68	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.76	23.91	23.81	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.86	23.83	23.75	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.72	23.84	23.86	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.69	23.80	23.74	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.67	23.92	23.69	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.85	23.86	23.79	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	25.8
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.95	24.99	24.95	
100	PI/2 BPSK	1	137	24.70	24.79	24.75	25.8
100	PI/2 BPSK	1	271	24.78	24.87	24.66	
100	PI/2 BPSK	135	0	24.67	24.63	24.63	
100	PI/2 BPSK	135	69	24.71	24.72	24.68	25.8
100	PI/2 BPSK	135	138	24.63	24.69	24.74	25.8
100	PI/2 BPSK	270	0	24.58	24.64	24.63	
100	QPSK	1	1	24.95	24.92	24.90	
100	QPSK	1	137	24.65	24.72	24.70	25.8
100	QPSK	1	271	24.81	24.87	24.67	
100	QPSK	135	0	24.72	24.71	24.77	
100	QPSK	135	69	24.71	24.73	24.73	25.8
100	QPSK	135	138	24.70	24.70	24.73	25.8
100	QPSK	270	0	24.74	24.75	24.66	
100	16QAM	1	1	24.87	24.94	24.67	
100	64QAM	1	1	23.29	23.38	23.20	24.5
100	256QAM	1	1	21.64	21.65	21.40	22.5
Channel				508200	518598	528996	25.8
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.92	24.94	24.68	
Channel				507204	518598	529998	25.8
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.91	24.97	24.84	
Channel				506202	518598	531000	25.8
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	24.90	24.97	24.83	
Channel				505200	518598	531996	25.8
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.95	24.93	24.92	
Channel				504204	518598	532998	25.8
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.96	24.89	24.87	
Channel				503202	518598	534000	25.8
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.98	24.98	24.79	
Channel				502200	518598	534996	25.8
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.94	24.94	24.75	
Channel				501204	518598	535998	25.8
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.93	24.98	24.77	
Channel				500700	518598	536496	25.8
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.96	24.94	24.80	
Channel				500202	518598	537000	25.8
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.92	24.91	24.79	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Sub carrier spacing		Channel		637000	641666	646332	637000	641666	646332
30k	Hz	Frequency (MHz)		3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	15.79	15.73	15.74	16.00	16.00	16.00
10	PI/2 BPSK	1	22	15.80	15.75	15.75	16.00	16.00	16.00
10	PI/2 BPSK	12	6	15.61	15.60	15.69	16.00	16.00	16.00
10	PI/2 BPSK	1	0	15.71	15.69	15.79	16.00	16.00	16.00
10	PI/2 BPSK	1	23	15.70	15.63	15.66	16.00	16.00	16.00
10	PI/2 BPSK	24	0	15.58	15.67	15.66	16.00	16.00	16.00
10	QPSK	1	1	15.71	15.69	15.74	16.00	16.00	16.00
10	QPSK	1	22	15.66	15.70	15.68	16.00	16.00	16.00
10	QPSK	12	6	15.61	15.65	15.64	16.00	16.00	16.00
10	QPSK	1	0	15.69	15.71	15.64	16.00	16.00	16.00
10	QPSK	1	23	15.72	15.72	15.64	16.00	16.00	16.00
10	QPSK	24	0	15.63	15.70	15.62	16.00	16.00	16.00
10	16QAM	1	1	15.75	15.75	15.77	16.00	16.00	16.00
10	64QAM	1	1	15.74	15.78	15.73	16.00	16.00	16.00
10	256QAM	1	1	15.61	15.70	15.63	16.00	16.00	16.00
Sub carrier spacing		Channel		637168	641666	646166	637168	641666	646166
30k	Hz	Frequency (MHz)		3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	15.80	15.71	15.71	16.00	16.00	16.00
15	PI/2 BPSK	1	36	15.76	15.75	15.77	16.00	16.00	16.00
15	PI/2 BPSK	18	9	15.62	15.70	15.66	16.00	16.00	16.00
15	PI/2 BPSK	1	0	15.71	15.77	15.79	16.00	16.00	16.00
15	PI/2 BPSK	1	37	15.69	15.68	15.71	16.00	16.00	16.00
15	PI/2 BPSK	36	0	15.61	15.62	15.59	16.00	16.00	16.00
15	QPSK	1	1	15.72	15.69	15.75	16.00	16.00	16.00
15	QPSK	1	36	15.71	15.71	15.73	16.00	16.00	16.00
15	QPSK	18	9	15.66	15.57	15.60	16.00	16.00	16.00
15	QPSK	1	0	15.64	15.71	15.71	16.00	16.00	16.00
15	QPSK	1	37	15.72	15.67	15.70	16.00	16.00	16.00
15	QPSK	36	0	15.62	15.71	15.63	16.00	16.00	16.00
15	16QAM	1	1	15.74	15.73	15.72	16.00	16.00	16.00
15	64QAM	1	1	15.72	15.74	15.70	16.00	16.00	16.00
15	256QAM	1	1	15.71	15.65	15.65	16.00	16.00	16.00
Sub carrier spacing		Channel		637334	641666	646000	637334	641666	646000
30k	Hz	Frequency (MHz)		3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	15.76	15.78	15.74	16.00	16.00	16.00
20	PI/2 BPSK	1	49	15.74	15.70	15.72	16.00	16.00	16.00
20	PI/2 BPSK	25	12	15.68	15.63	15.67	16.00	16.00	16.00
20	PI/2 BPSK	1	0	15.68	15.77	15.70	16.00	16.00	16.00
20	PI/2 BPSK	1	50	15.67	15.71	15.68	16.00	16.00	16.00
20	PI/2 BPSK	50	0	15.61	15.65	15.61	16.00	16.00	16.00
20	QPSK	1	1	15.71	15.74	15.75	16.00	16.00	16.00
20	QPSK	1	49	15.74	15.66	15.75	16.00	16.00	16.00
20	QPSK	25	12	15.64	15.61	15.62	16.00	16.00	16.00
20	QPSK	1	0	15.66	15.66	15.73	16.00	16.00	16.00
20	QPSK	1	50	15.66	15.73	15.72	16.00	16.00	16.00
20	QPSK	50	0	15.64	15.66	15.66	16.00	16.00	16.00
20	16QAM	1	1	15.71	15.71	15.75	16.00	16.00	16.00
20	64QAM	1	1	15.70	15.71	15.74	16.00	16.00	16.00
20	256QAM	1	1	15.61	15.63	15.63	16.00	16.00	16.00
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99
30	PI/2 BPSK	1	1	12.20	15.76	12.04	13.00	16.00	13.00
30	PI/2 BPSK	1	76	11.98	15.70	11.82	13.00	16.00	13.00
30	PI/2 BPSK	36	18	12.04	15.68	15.67	13.00	16.00	16.00
30	PI/2 BPSK	1	0	12.23	15.75	12.02	13.00	16.00	13.00
30	PI/2 BPSK	1	77	11.99	15.63	11.82	13.00	16.00	13.00
30	PI/2 BPSK	75	0	12.06	15.64	11.91	13.00	16.00	13.00

30	QPSK	1	1	12.19	15.70	12.05	13.00	16.00	13.00
30	QPSK	1	76	12.00	15.72	11.82	13.00	16.00	13.00
30	QPSK	36	18	12.05	15.60	15.65	13.00	16.00	16.00
30	QPSK	1	0	12.18	15.67	12.03	13.00	16.00	13.00
30	QPSK	1	77	11.98	15.66	11.80	13.00	16.00	13.00
30	QPSK	75	0	12.03	15.71	11.91	13.00	16.00	13.00
30	16QAM	1	1	11.68	15.72	11.48	13.00	16.00	13.00
30	64QAM	1	1	11.57	15.71	11.48	13.00	16.00	13.00
30	256QAM	1	1	11.78	15.62	11.56	13.00	16.00	13.00
Sub carrier spacing		Channel		638000	641666	645332	638000	641666	645332
30k	Hz	Frequency (MHz)		3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	12.22	15.81	11.98	13.00	16.00	13.00
40	PI/2 BPSK	1	104	11.97	15.80	11.84	13.00	16.00	13.00
40	PI/2 BPSK	50	25	12.05	15.70	11.95	13.00	16.00	13.00
40	PI/2 BPSK	1	0	12.21	15.79	11.99	13.00	16.00	13.00
40	PI/2 BPSK	1	105	11.93	15.73	11.84	13.00	16.00	13.00
40	PI/2 BPSK	100	0	12.09	15.68	11.95	13.00	16.00	13.00
40	QPSK	1	1	12.21	15.75	11.97	13.00	16.00	13.00
40	QPSK	1	104	11.97	15.76	11.84	13.00	16.00	13.00
40	QPSK	50	25	12.06	15.67	11.97	13.00	16.00	13.00
40	QPSK	1	0	12.19	15.73	11.94	13.00	16.00	13.00
40	QPSK	1	105	11.96	15.74	11.85	13.00	16.00	13.00
40	QPSK	100	0	12.06	15.71	11.98	13.00	16.00	13.00
40	16QAM	1	1	11.84	15.79	11.57	13.00	16.00	13.00
40	64QAM	1	1	11.74	15.79	11.57	13.00	16.00	13.00
40	256QAM	1	1	11.76	15.71	11.37	13.00	16.00	13.00



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	24.58	24.59	24.55	25.3
40	PI/2 BPSK	1	53	24.42	24.49	24.43	
40	PI/2 BPSK	1	104	24.54	24.57	24.53	
40	PI/2 BPSK	50	0	24.05	24.06	24.01	24.8
40	PI/2 BPSK	50	28	24.49	24.53	24.46	25.3
40	PI/2 BPSK	50	56	23.89	23.98	23.94	24.8
40	PI/2 BPSK	100	0	24.00	24.00	23.91	
40	QPSK	1	1	24.49	24.50	24.36	25.3
40	QPSK	1	53	24.47	24.46	24.36	
40	QPSK	1	104	24.41	24.48	24.37	
40	QPSK	50	0	23.48	23.55	23.47	24.3
40	QPSK	50	28	24.44	24.48	24.36	25.3
40	QPSK	50	56	23.42	23.51	23.44	24.3
40	QPSK	100	0	23.48	23.53	23.39	
40	16QAM	1	1	23.48	23.50	23.46	24.3
40	64QAM	1	1	22.05	22.11	22.06	22.8
40	256QAM	1	1	20.17	20.24	20.19	20.8
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	24.47	24.45	24.45	25.3
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	24.46	24.48	24.41	25.3
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	24.49	24.51	24.52	25.3
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	24.53	24.48	24.50	25.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	24.05	24.06	24.02	24.9
40	PI/2 BPSK	1	53	23.94	24.00	23.86	
40	PI/2 BPSK	1	104	23.95	23.98	23.94	
40	PI/2 BPSK	50	0	23.41	23.52	23.42	24.4
40	PI/2 BPSK	50	28	24.00	24.01	23.95	24.9
40	PI/2 BPSK	50	56	23.43	23.46	23.39	24.4
40	PI/2 BPSK	100	0	23.38	23.49	23.37	
40	QPSK	1	1	23.95	24.04	23.93	24.9
40	QPSK	1	53	23.93	24.01	23.91	
40	QPSK	1	104	23.91	24.02	23.95	
40	QPSK	50	0	22.91	23.01	22.91	23.9
40	QPSK	50	28	23.97	24.00	23.96	24.9
40	QPSK	50	56	22.90	22.99	22.95	23.9
40	QPSK	100	0	22.96	23.01	22.92	
40	16QAM	1	1	23.00	23.01	22.96	23.9
40	64QAM	1	1	21.55	21.58	21.49	22.4
40	256QAM	1	1	19.70	19.79	19.75	20.4
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	23.92	23.93	23.87	24.9
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	23.91	23.94	23.91	24.9
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	23.95	23.99	23.97	24.9
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	23.95	24.00	23.89	24.9



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Sub carrier spacing		Channel		637000	641666	646332	637000	641666	646332
30k	Hz	Frequency (MHz)		3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	24.42	24.50	24.53	25.30	25.30	25.30
10	PI/2 BPSK	1	22	24.42	24.50	24.51	25.30	25.30	25.30
10	PI/2 BPSK	12	6	24.43	24.46	24.51	25.30	25.30	25.30
10	PI/2 BPSK	1	0	23.95	23.95	24.04	24.00	24.00	25.30
10	PI/2 BPSK	1	23	23.89	23.97	24.03	24.00	24.00	25.30
10	PI/2 BPSK	24	0	23.92	23.98	24.01	24.00	24.00	25.30
10	QPSK	1	1	24.49	24.50	24.54	25.30	25.30	25.30
10	QPSK	1	22	24.45	24.54	24.54	25.30	25.30	25.30
10	QPSK	12	6	24.44	24.47	24.49	25.30	25.30	25.30
10	QPSK	1	0	23.43	23.43	23.54	24.00	24.00	24.00
10	QPSK	1	23	23.41	23.44	23.55	24.00	24.00	24.00
10	QPSK	24	0	23.43	23.46	23.50	24.00	24.00	24.00
10	16QAM	1	1	23.36	23.59	23.43	24.00	24.00	24.00
10	64QAM	1	1	22.01	22.24	22.12	23.00	23.00	23.00
10	256QAM	1	1	19.88	19.91	19.95	21.00	21.00	21.00
Sub carrier spacing		Channel		637168	641666	646166	637168	641666	646166
30k	Hz	Frequency (MHz)		3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	20.48	24.44	24.48	21.00	25.30	25.30
15	PI/2 BPSK	1	36	24.48	24.51	20.51	25.30	25.30	21.00
15	PI/2 BPSK	18	9	24.45	24.46	24.45	25.30	25.30	25.30
15	PI/2 BPSK	1	0	20.41	24.00	23.97	21.00	24.00	24.00
15	PI/2 BPSK	1	37	23.94	24.03	20.46	24.00	25.30	21.00
15	PI/2 BPSK	36	0	20.42	23.95	20.51	21.00	24.00	21.00
15	QPSK	1	1	20.50	24.46	24.48	21.00	25.30	25.30
15	QPSK	1	36	24.43	24.48	20.45	25.30	25.30	21.00
15	QPSK	18	9	24.46	24.46	24.53	25.30	25.30	25.30
15	QPSK	1	0	20.50	23.44	23.47	21.00	24.00	24.00
15	QPSK	1	37	23.44	23.50	20.44	24.00	24.00	21.00
15	QPSK	36	0	20.47	23.48	20.47	21.00	24.00	21.00
15	16QAM	1	1	19.50	23.46	23.44	21.00	24.00	24.00
15	64QAM	1	1	19.40	22.11	21.88	21.00	23.00	22.00
15	256QAM	1	1	19.92	19.95	19.84	21.00	21.00	21.00
Sub carrier spacing		Channel		637334	641666	646000	637334	641666	646000
30k	Hz	Frequency (MHz)		3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	20.51	24.47	24.42	21.00	25.30	25.30
20	PI/2 BPSK	1	49	24.47	24.47	20.43	25.30	25.30	21.00
20	PI/2 BPSK	25	12	24.46	24.47	24.44	25.30	25.30	25.30
20	PI/2 BPSK	1	0	20.42	23.91	23.93	21.00	24.00	24.00
20	PI/2 BPSK	1	50	23.92	23.96	20.46	24.00	24.00	21.00
20	PI/2 BPSK	50	0	20.46	23.93	20.44	21.00	24.00	21.00
20	QPSK	1	1	20.56	24.47	24.39	21.00	25.30	25.30
20	QPSK	1	49	24.48	24.51	20.42	25.30	25.30	21.00
20	QPSK	25	12	24.48	24.45	24.43	25.30	25.30	25.30
20	QPSK	1	0	20.55	23.51	23.42	21.00	24.00	24.00
20	QPSK	1	50	23.49	23.52	20.48	24.00	24.00	21.00
20	QPSK	50	0	20.44	23.45	20.42	21.00	24.00	21.00
20	16QAM	1	1	19.55	23.54	23.46	21.00	24.00	24.00
20	64QAM	1	1	19.72	21.93	22.02	21.00	22.00	23.00
20	256QAM	1	1	20.04	19.76	19.98	21.00	21.00	21.00
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99



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30	PI/2 BPSK	1	1	12.91	20.46	12.91	13.00	21.00	13.00
30	PI/2 BPSK	1	76	12.84	20.50	12.95	13.00	21.00	13.00
30	PI/2 BPSK	36	18	12.86	24.47	24.50	13.00	25.30	25.30
30	PI/2 BPSK	1	0	12.90	20.46	12.89	13.00	21.00	13.00
30	PI/2 BPSK	1	77	12.83	20.49	12.95	13.00	21.00	13.00
30	PI/2 BPSK	75	0	12.85	20.47	12.93	13.00	21.00	13.00
30	QPSK	1	1	12.90	20.42	12.89	13.00	21.00	13.00
30	QPSK	1	76	12.85	20.49	12.94	13.00	21.00	13.00
30	QPSK	36	18	12.88	24.45	24.50	13.00	25.30	25.30
30	QPSK	1	0	12.91	20.44	12.91	13.00	21.00	13.00
30	QPSK	1	77	12.81	20.48	12.95	13.00	21.00	13.00
30	QPSK	75	0	12.85	20.47	12.98	13.00	21.00	13.00
30	16QAM	1	1	12.32	20.39	12.36	13.00	21.00	13.00
30	64QAM	1	1	12.43	20.50	12.40	13.00	21.00	13.00
30	256QAM	1	1	12.45	19.94	12.30	13.00	21.00	13.00
Sub carrier spacing		Channel		638000	641666	645332	638000	641666	645332
30k	Hz	Frequency (MHz)		3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	12.97	20.46	12.80	13.00	21.00	13.00
40	PI/2 BPSK	1	104	12.92	20.48	12.84	13.00	21.00	13.00
40	PI/2 BPSK	50	25	12.89	24.46	12.86	13.00	25.30	13.00
40	PI/2 BPSK	1	0	12.98	20.47	12.79	13.00	21.00	13.00
40	PI/2 BPSK	1	105	12.92	20.48	12.87	13.00	21.00	13.00
40	PI/2 BPSK	100	0	12.90	19.97	12.82	13.00	21.00	13.00
40	QPSK	1	1	12.96	20.44	12.91	13.00	21.00	13.00
40	QPSK	1	104	12.92	20.49	12.91	13.00	21.00	13.00
40	QPSK	50	25	12.86	24.45	12.84	13.00	25.30	13.00
40	QPSK	1	0	12.97	20.46	12.88	13.00	21.00	13.00
40	QPSK	1	105	12.88	20.49	12.91	13.00	21.00	13.00
40	QPSK	100	0	12.90	19.95	12.83	13.00	21.00	13.00
40	16QAM	1	1	12.47	20.51	12.53	13.00	21.00	13.00
40	64QAM	1	1	12.39	20.55	12.24	13.00	21.00	13.00
40	256QAM	1	1	12.38	20.03	12.24	13.00	21.00	13.00



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Sub carrier spacing		Channel		637000	641666	646332	637000	641666	646332
30k	Hz	Frequency (MHz)		3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	19.43	19.37	19.36	19.70	19.70	19.70
10	PI/2 BPSK	1	22	19.23	19.26	19.32	19.70	19.70	19.70
10	PI/2 BPSK	12	6	19.42	19.39	19.38	19.70	19.70	19.70
10	PI/2 BPSK	1	0	19.39	19.33	19.40	19.70	19.70	19.70
10	PI/2 BPSK	1	23	19.26	19.24	19.21	19.70	19.70	19.70
10	PI/2 BPSK	24	0	19.00	19.04	18.99	19.70	19.70	19.70
10	QPSK	1	1	19.24	19.24	19.23	19.70	19.70	19.70
10	QPSK	1	22	19.20	19.22	19.24	19.70	19.70	19.70
10	QPSK	12	6	19.30	19.37	19.35	19.70	19.70	19.70
10	QPSK	1	0	19.25	19.17	19.18	19.70	19.70	19.70
10	QPSK	1	23	19.32	19.37	19.36	19.70	19.70	19.70
10	QPSK	24	0	18.99	18.98	18.95	19.70	19.70	19.70
10	16QAM	1	1	19.39	19.35	19.34	19.70	19.70	19.70
10	64QAM	1	1	19.39	19.32	19.34	19.70	19.70	19.70
10	256QAM	1	1	19.13	19.06	19.05	19.70	19.70	19.70
Sub carrier spacing		Channel		637168	641666	646166	637168	641666	646166
30k	Hz	Frequency (MHz)		3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	19.45	19.37	19.39	19.70	19.70	19.70
15	PI/2 BPSK	1	36	19.31	19.31	19.23	19.70	19.70	19.70
15	PI/2 BPSK	18	9	19.37	19.37	19.39	19.70	19.70	19.70
15	PI/2 BPSK	1	0	19.40	19.32	19.34	19.70	19.70	19.70
15	PI/2 BPSK	1	37	19.28	19.22	19.21	19.70	19.70	19.70
15	PI/2 BPSK	36	0	19.00	18.94	18.94	19.70	19.70	19.70
15	QPSK	1	1	19.24	19.25	19.32	19.70	19.70	19.70
15	QPSK	1	36	19.28	19.27	19.23	19.70	19.70	19.70
15	QPSK	18	9	19.30	19.36	19.30	19.70	19.70	19.70
15	QPSK	1	0	19.24	19.25	19.24	19.70	19.70	19.70
15	QPSK	1	37	19.31	19.38	19.40	19.70	19.70	19.70
15	QPSK	36	0	18.98	18.97	18.92	19.70	19.70	19.70
15	16QAM	1	1	19.36	19.35	19.40	19.70	19.70	19.70
15	64QAM	1	1	19.40	19.41	19.39	19.70	19.70	19.70
15	256QAM	1	1	19.04	19.13	19.06	19.70	19.70	19.70
Sub carrier spacing		Channel		637334	641666	646000	637334	641666	646000
30k	Hz	Frequency (MHz)		3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	19.44	19.41	19.40	19.70	19.70	19.70
20	PI/2 BPSK	1	49	19.24	19.30	19.22	19.70	19.70	19.70
20	PI/2 BPSK	25	12	19.44	19.35	19.39	19.70	19.70	19.70
20	PI/2 BPSK	1	0	19.39	19.39	19.32	19.70	19.70	19.70
20	PI/2 BPSK	1	50	19.26	19.21	19.20	19.70	19.70	19.70
20	PI/2 BPSK	50	0	18.94	19.04	18.98	19.70	19.70	19.70
20	QPSK	1	1	19.25	19.32	19.26	19.70	19.70	19.70
20	QPSK	1	49	19.24	19.27	19.25	19.70	19.70	19.70
20	QPSK	25	12	19.34	19.29	19.30	19.70	19.70	19.70
20	QPSK	1	0	19.21	19.16	19.19	19.70	19.70	19.70
20	QPSK	1	50	19.33	19.36	19.39	19.70	19.70	19.70
20	QPSK	50	0	18.90	19.00	18.92	19.70	19.70	19.70
20	16QAM	1	1	19.38	19.35	19.33	19.70	19.70	19.70
20	64QAM	1	1	19.37	19.31	19.33	19.70	19.70	19.70
20	256QAM	1	1	19.06	19.06	19.08	19.70	19.70	19.70
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99



FCC SAR TEST REPORT

Report No. : FA3D2001D

30	PI/2 BPSK	1	1	12.20	19.41	12.04	13.00	19.70	13.00
30	PI/2 BPSK	1	76	11.98	19.31	11.82	13.00	19.70	13.00
30	PI/2 BPSK	36	18	12.04	19.34	19.32	13.00	19.70	19.70
30	PI/2 BPSK	1	0	12.23	19.40	12.02	13.00	19.70	13.00
30	PI/2 BPSK	1	77	11.99	19.23	11.82	13.00	19.70	13.00
30	PI/2 BPSK	75	0	12.06	18.99	11.91	13.00	19.70	13.00
30	QPSK	1	1	12.19	19.26	12.05	13.00	19.70	13.00
30	QPSK	1	76	12.00	19.20	11.82	13.00	19.70	13.00
30	QPSK	36	18	12.05	19.33	19.28	13.00	19.70	19.70
30	QPSK	1	0	12.18	19.24	12.03	13.00	19.70	13.00
30	QPSK	1	77	11.98	19.36	11.80	13.00	19.70	13.00
30	QPSK	75	0	12.03	18.91	11.91	13.00	19.70	13.00
30	16QAM	1	1	11.68	19.33	11.48	13.00	19.70	13.00
30	64QAM	1	1	11.57	19.31	11.48	13.00	19.70	13.00
30	256QAM	1	1	11.78	19.09	11.56	13.00	19.70	13.00
Sub carrier spacing		Channel		638000	641666	645332	638000	641666	645332
30k	Hz	Frequency (MHz)		3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	12.22	19.45	11.98	13.00	19.70	13.00
40	PI/2 BPSK	1	104	11.97	19.32	11.84	13.00	19.70	13.00
40	PI/2 BPSK	50	25	12.05	19.44	11.95	13.00	19.70	13.00
40	PI/2 BPSK	1	0	12.21	19.42	11.99	13.00	19.70	13.00
40	PI/2 BPSK	1	105	11.93	19.29	11.84	13.00	19.70	13.00
40	PI/2 BPSK	100	0	12.09	19.04	11.95	13.00	19.70	13.00
40	QPSK	1	1	12.21	19.32	11.97	13.00	19.70	13.00
40	QPSK	1	104	11.97	19.29	11.84	13.00	19.70	13.00
40	QPSK	50	25	12.06	19.37	11.97	13.00	19.70	13.00
40	QPSK	1	0	12.19	19.26	11.94	13.00	19.70	13.00
40	QPSK	1	105	11.96	19.40	11.85	13.00	19.70	13.00
40	QPSK	100	0	12.06	19.00	11.98	13.00	19.70	13.00
40	16QAM	1	1	11.84	19.43	11.57	13.00	19.70	13.00
40	64QAM	1	1	11.74	19.41	11.57	13.00	19.70	13.00
40	256QAM	1	1	11.76	19.13	11.37	13.00	19.70	13.00



<FR1 n48_Ant 2_Index 9>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.26	20.23	20.18	21.1
40	PI/2 BPSK	1	53	20.10	20.19	19.99	
40	PI/2 BPSK	1	104	20.19	20.14	20.13	
40	PI/2 BPSK	50	0	20.16	20.03	20.10	21.1
40	PI/2 BPSK	50	28	20.24	20.21	20.12	21.1
40	PI/2 BPSK	50	56	20.17	20.07	20.00	21.1
40	PI/2 BPSK	100	0	20.10	20.06	20.04	
40	QPSK	1	1	20.20	20.18	20.09	21.1
40	QPSK	1	53	20.20	20.07	20.15	
40	QPSK	1	104	20.17	20.08	20.06	
40	QPSK	50	0	20.21	20.08	20.04	21.1
40	QPSK	50	28	20.09	20.13	20.17	21.1
40	QPSK	50	56	20.25	20.21	20.00	21.1
40	QPSK	100	0	20.22	20.21	20.05	
40	16QAM	1	1	20.15	20.06	20.03	21.1
40	64QAM	1	1	20.22	20.09	20.04	21.1
40	256QAM	1	1	20.15	20.19	20.08	20.8
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	20.07	20.17	20.18	21.1
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	20.06	20.13	19.98	21.1
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	20.24	20.11	20.11	21.1
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	20.25	20.22	20.09	21.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	22.76	22.72	22.73	23.5
40	PI/2 BPSK	1	53	22.60	22.52	22.62	
40	PI/2 BPSK	1	104	22.75	22.63	22.62	
40	PI/2 BPSK	50	0	22.72	22.61	22.60	23.5
40	PI/2 BPSK	50	28	22.73	22.64	22.63	23.5
40	PI/2 BPSK	50	56	22.67	22.62	22.56	23.5
40	PI/2 BPSK	100	0	22.69	22.54	22.65	
40	QPSK	1	1	22.63	22.62	22.55	23.5
40	QPSK	1	53	22.66	22.52	22.72	
40	QPSK	1	104	22.61	22.67	22.72	
40	QPSK	50	0	22.65	22.68	22.63	23.5
40	QPSK	50	28	22.59	22.61	22.64	23.5
40	QPSK	50	56	22.75	22.64	22.61	23.5
40	QPSK	100	0	22.70	22.58	22.56	
40	16QAM	1	1	22.69	22.65	22.56	23.5
40	64QAM	1	1	21.54	21.56	21.53	22.4
40	256QAM	1	1	19.79	19.77	19.71	20.4
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	22.70	22.64	22.53	23.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	22.58	22.59	22.66	23.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	22.70	22.52	22.57	23.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	22.69	22.63	22.55	23.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Sub carrier spacing		Channel		637000	641666	646332	637000	641666	646332
30k	Hz	Frequency (MHz)		3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	19.52	19.64	19.50	20.10	20.10	20.10
10	PI/2 BPSK	1	22	19.48	19.42	19.55	20.10	20.10	20.10
10	PI/2 BPSK	12	6	19.52	19.47	19.54	20.10	20.10	20.10
10	PI/2 BPSK	1	0	19.36	19.39	19.51	20.10	20.10	20.10
10	PI/2 BPSK	1	23	19.49	19.46	19.57	20.10	20.10	20.10
10	PI/2 BPSK	24	0	19.46	19.53	19.65	20.10	20.10	20.10
10	QPSK	1	1	19.48	19.43	19.52	20.10	20.10	20.10
10	QPSK	1	22	19.50	19.50	19.46	20.10	20.10	20.10
10	QPSK	12	6	19.61	19.51	19.65	20.10	20.10	20.10
10	QPSK	1	0	19.32	19.48	19.32	20.10	20.10	20.10
10	QPSK	1	23	19.40	19.31	19.39	20.10	20.10	20.10
10	QPSK	24	0	19.50	19.54	19.64	20.10	20.10	20.10
10	16QAM	1	1	19.46	19.52	19.41	20.10	20.10	20.10
10	64QAM	1	1	19.35	19.47	19.38	20.10	20.10	20.10
10	256QAM	1	1	19.39	19.31	19.39	20.10	20.10	20.10
Sub carrier spacing		Channel		637168	641666	646166	637168	641666	646166
30k	Hz	Frequency (MHz)		3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	19.62	19.53	19.52	20.10	20.10	20.10
15	PI/2 BPSK	1	36	19.51	19.55	19.38	20.10	20.10	20.10
15	PI/2 BPSK	18	9	19.52	19.49	19.46	20.10	20.10	20.10
15	PI/2 BPSK	1	0	19.43	19.42	19.42	20.10	20.10	20.10
15	PI/2 BPSK	1	37	19.53	19.57	19.57	20.10	20.10	20.10
15	PI/2 BPSK	36	0	19.61	19.62	19.55	20.10	20.10	20.10
15	QPSK	1	1	19.55	19.56	19.45	20.10	20.10	20.10
15	QPSK	1	36	19.45	19.41	19.53	20.10	20.10	20.10
15	QPSK	18	9	19.62	19.52	19.56	20.10	20.10	20.10
15	QPSK	1	0	19.34	19.39	19.40	20.10	20.10	20.10
15	QPSK	1	37	19.39	19.45	19.45	20.10	20.10	20.10
15	QPSK	36	0	19.53	19.50	19.64	20.10	20.10	20.10
15	16QAM	1	1	19.56	19.37	19.52	20.10	20.10	20.10
15	64QAM	1	1	19.51	19.44	19.41	20.10	20.10	20.10
15	256QAM	1	1	19.30	19.50	19.39	20.10	20.10	20.10
Sub carrier spacing		Channel		637334	641666	646000	637334	641666	646000
30k	Hz	Frequency (MHz)		3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	19.64	19.51	19.55	20.10	20.10	20.10
20	PI/2 BPSK	1	49	19.44	19.47	19.54	20.10	20.10	20.10
20	PI/2 BPSK	25	12	19.64	19.54	19.50	20.10	20.10	20.10
20	PI/2 BPSK	1	0	19.50	19.44	19.38	20.10	20.10	20.10
20	PI/2 BPSK	1	50	19.49	19.59	19.49	20.10	20.10	20.10
20	PI/2 BPSK	50	0	19.63	19.65	19.56	20.10	20.10	20.10
20	QPSK	1	1	19.42	19.60	19.57	20.10	20.10	20.10
20	QPSK	1	49	19.39	19.50	19.46	20.10	20.10	20.10
20	QPSK	25	12	19.49	19.55	19.49	20.10	20.10	20.10
20	QPSK	1	0	19.39	19.35	19.45	20.10	20.10	20.10
20	QPSK	1	50	19.49	19.35	19.32	20.10	20.10	20.10
20	QPSK	50	0	19.62	19.59	19.47	20.10	20.10	20.10
20	16QAM	1	1	19.41	19.48	19.48	20.10	20.10	20.10
20	64QAM	1	1	19.42	19.48	19.35	20.10	20.10	20.10
20	256QAM	1	1	19.37	19.48	19.32	20.10	20.10	20.10
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99



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30	PI/2 BPSK	1	1	12.91	19.63	12.91	13.00	20.10	13.00
30	PI/2 BPSK	1	76	12.84	19.48	12.95	13.00	20.10	13.00
30	PI/2 BPSK	36	18	12.86	19.66	19.67	13.00	20.10	20.10
30	PI/2 BPSK	1	0	12.90	19.52	12.89	13.00	20.10	13.00
30	PI/2 BPSK	1	77	12.83	19.57	12.95	13.00	20.10	13.00
30	PI/2 BPSK	75	0	12.85	19.64	12.93	13.00	20.10	13.00
30	QPSK	1	1	12.90	19.61	12.89	13.00	20.10	13.00
30	QPSK	1	76	12.85	19.50	12.94	13.00	20.10	13.00
30	QPSK	36	18	12.88	19.63	19.63	13.00	20.10	20.10
30	QPSK	1	0	12.91	19.47	12.91	13.00	20.10	13.00
30	QPSK	1	77	12.81	19.46	12.95	13.00	20.10	13.00
30	QPSK	75	0	12.85	19.60	12.98	13.00	20.10	13.00
30	16QAM	1	1	12.32	19.50	12.36	13.00	20.10	13.00
30	64QAM	1	1	12.43	19.49	12.40	13.00	20.10	13.00
30	256QAM	1	1	12.45	19.48	12.30	13.00	20.10	13.00
Sub carrier spacing		Channel		638000	641666	645332	638000	641666	645332
30k	Hz	Frequency (MHz)		3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	12.97	19.68	12.80	13.00	20.10	13.00
40	PI/2 BPSK	1	104	12.92	19.57	12.84	13.00	20.10	13.00
40	PI/2 BPSK	50	25	12.89	19.66	12.86	13.00	20.10	13.00
40	PI/2 BPSK	1	0	12.98	19.55	12.79	13.00	20.10	13.00
40	PI/2 BPSK	1	105	12.92	19.62	12.87	13.00	20.10	13.00
40	PI/2 BPSK	100	0	12.90	19.65	12.82	13.00	20.10	13.00
40	QPSK	1	1	12.96	19.61	12.91	13.00	20.10	13.00
40	QPSK	1	104	12.92	19.53	12.91	13.00	20.10	13.00
40	QPSK	50	25	12.86	19.65	12.84	13.00	20.10	13.00
40	QPSK	1	0	12.97	19.51	12.88	13.00	20.10	13.00
40	QPSK	1	105	12.88	19.49	12.91	13.00	20.10	13.00
40	QPSK	100	0	12.90	19.64	12.83	13.00	20.10	13.00
40	16QAM	1	1	12.47	19.57	12.53	13.00	20.10	13.00
40	64QAM	1	1	12.39	19.51	12.24	13.00	20.10	13.00
40	256QAM	1	1	12.38	19.50	12.24	13.00	20.10	13.00



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Sub carrier spacing		Channel		637000	641666	646332	637000	641666	646332
30k	Hz	Frequency (MHz)		3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	21.40	21.45	21.47	23.20	23.20	23.20
10	PI/2 BPSK	1	22	21.41	21.48	21.49	23.20	23.20	23.20
10	PI/2 BPSK	12	6	21.39	21.46	21.46	23.20	23.20	23.20
10	PI/2 BPSK	1	0	21.40	21.47	21.39	23.20	23.20	23.20
10	PI/2 BPSK	1	23	21.47	21.48	21.46	23.20	23.20	23.20
10	PI/2 BPSK	24	0	21.41	21.43	21.46	23.20	23.20	23.20
10	QPSK	1	1	21.47	21.46	21.41	23.20	23.20	23.20
10	QPSK	1	22	21.43	21.43	21.49	23.20	23.20	23.20
10	QPSK	12	6	21.41	21.48	21.40	23.20	23.20	23.20
10	QPSK	1	0	21.41	21.42	21.42	23.20	23.20	23.20
10	QPSK	1	23	21.49	21.49	21.39	23.20	23.20	23.20
10	QPSK	24	0	21.46	21.44	21.39	23.20	23.20	23.20
10	16QAM	1	1	21.48	21.44	21.44	23.20	23.20	23.20
10	64QAM	1	1	21.24	21.11	20.91	22.00	22.00	22.00
10	256QAM	1	1	19.09	19.23	18.97	20.00	20.00	20.00
Sub carrier spacing		Channel		637168	641666	646166	637168	641666	646166
30k	Hz	Frequency (MHz)		3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	19.76	21.47	21.44	20.00	23.20	23.20
15	PI/2 BPSK	1	36	21.37	21.43	19.43	23.20	23.20	20.00
15	PI/2 BPSK	18	9	21.45	21.38	21.44	23.20	23.20	23.20
15	PI/2 BPSK	1	0	19.71	21.38	21.46	20.00	23.20	23.20
15	PI/2 BPSK	1	37	21.45	21.37	19.43	23.20	23.20	20.00
15	PI/2 BPSK	36	0	19.63	21.43	19.49	20.00	23.20	20.00
15	QPSK	1	1	19.85	21.42	21.41	20.00	23.20	23.20
15	QPSK	1	36	21.39	21.47	19.43	23.20	23.20	20.00
15	QPSK	18	9	21.42	21.44	21.37	23.20	23.20	23.20
15	QPSK	1	0	19.69	21.42	21.41	20.00	23.20	23.20
15	QPSK	1	37	21.43	21.44	19.46	23.20	23.20	20.00
15	QPSK	36	0	19.67	21.45	19.51	20.00	23.20	20.00
15	16QAM	1	1	18.67	21.47	21.41	20.00	23.20	23.20
15	64QAM	1	1	18.86	21.32	21.00	20.00	22.00	22.00
15	256QAM	1	1	19.36	19.00	19.03	20.00	20.00	20.00
Sub carrier spacing		Channel		637334	641666	646000	637334	641666	646000
30k	Hz	Frequency (MHz)		3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	19.75	21.47	21.45	20.00	23.20	23.20
20	PI/2 BPSK	1	49	21.40	21.44	19.49	23.20	23.20	20.00
20	PI/2 BPSK	25	12	21.47	21.39	21.46	23.20	23.20	23.20
20	PI/2 BPSK	1	0	19.71	21.43	21.44	20.00	23.20	23.20
20	PI/2 BPSK	1	50	21.46	21.45	19.47	23.20	23.20	20.00
20	PI/2 BPSK	50	0	19.67	21.46	19.54	20.00	23.20	20.00
20	QPSK	1	1	19.80	21.37	21.40	20.00	23.20	23.20
20	QPSK	1	49	21.43	21.38	19.37	23.20	23.20	20.00
20	QPSK	25	12	21.41	21.46	21.45	23.20	23.20	23.20
20	QPSK	1	0	19.80	21.37	21.42	20.00	23.20	23.20
20	QPSK	1	50	21.45	21.37	19.39	23.20	23.20	20.00
20	QPSK	50	0	19.68	21.40	19.49	20.00	23.20	20.00
20	16QAM	1	1	18.72	21.46	21.41	20.00	23.20	23.20
20	64QAM	1	1	18.63	21.30	21.09	20.00	22.00	22.00
20	256QAM	1	1	19.44	19.24	19.18	20.00	20.00	20.00
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99



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30	PI/2 BPSK	1	1	12.20	19.69	12.04	13.00	20.00	13.00
30	PI/2 BPSK	1	76	11.98	19.56	11.82	13.00	20.00	13.00
30	PI/2 BPSK	36	18	12.04	21.47	21.46	13.00	23.20	23.20
30	PI/2 BPSK	1	0	12.23	19.74	12.02	13.00	20.00	13.00
30	PI/2 BPSK	1	77	11.99	19.56	11.82	13.00	20.00	13.00
30	PI/2 BPSK	75	0	12.06	19.56	11.91	13.00	20.00	13.00
30	QPSK	1	1	12.19	19.67	12.05	13.00	20.00	13.00
30	QPSK	1	76	12.00	19.52	11.82	13.00	20.00	13.00
30	QPSK	36	18	12.05	21.45	21.43	13.00	23.20	23.20
30	QPSK	1	0	12.18	19.68	12.03	13.00	20.00	13.00
30	QPSK	1	77	11.98	19.51	11.80	13.00	20.00	13.00
30	QPSK	75	0	12.03	19.55	11.91	13.00	20.00	13.00
30	16QAM	1	1	11.68	19.56	11.48	13.00	20.00	13.00
30	64QAM	1	1	11.57	19.58	11.48	13.00	20.00	13.00
30	256QAM	1	1	11.78	19.17	11.56	13.00	20.00	13.00
Sub carrier spacing		Channel		638000	641666	645332	638000	641666	645332
30k	Hz	Frequency (MHz)		3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	12.22	19.74	11.98	13.00	20.00	13.00
40	PI/2 BPSK	1	104	11.97	19.51	11.84	13.00	20.00	13.00
40	PI/2 BPSK	50	25	12.05	21.49	11.95	13.00	23.20	13.00
40	PI/2 BPSK	1	0	12.21	19.75	11.99	13.00	20.00	13.00
40	PI/2 BPSK	1	105	11.93	19.49	11.84	13.00	20.00	13.00
40	PI/2 BPSK	100	0	12.09	19.06	11.95	13.00	20.00	13.00
40	QPSK	1	1	12.21	19.64	11.97	13.00	20.00	13.00
40	QPSK	1	104	11.97	19.41	11.84	13.00	20.00	13.00
40	QPSK	50	25	12.06	21.47	11.97	13.00	23.20	13.00
40	QPSK	1	0	12.19	19.63	11.94	13.00	20.00	13.00
40	QPSK	1	105	11.96	19.41	11.85	13.00	20.00	13.00
40	QPSK	100	0	12.06	19.06	11.98	13.00	20.00	13.00
40	16QAM	1	1	11.84	19.65	11.57	13.00	20.00	13.00
40	64QAM	1	1	11.74	19.76	11.57	13.00	20.00	13.00
40	256QAM	1	1	11.76	19.17	11.37	13.00	20.00	13.00



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.30	21.32	21.29	22.6
40	PI/2 BPSK	1	53	21.21	21.20	21.16	
40	PI/2 BPSK	1	104	21.19	21.25	21.20	
40	PI/2 BPSK	50	0	21.15	21.18	21.17	22.6
40	PI/2 BPSK	50	28	21.16	21.24	21.21	22.6
40	PI/2 BPSK	50	56	21.11	21.21	21.20	22.6
40	PI/2 BPSK	100	0	21.20	21.23	21.18	
40	QPSK	1	1	21.15	21.15	21.20	22.6
40	QPSK	1	53	21.26	21.20	21.19	
40	QPSK	1	104	21.17	21.13	21.21	
40	QPSK	50	0	21.21	21.20	21.10	22.6
40	QPSK	50	28	21.26	21.16	21.25	22.6
40	QPSK	50	56	21.10	21.20	21.24	22.6
40	QPSK	100	0	21.17	21.25	21.16	
40	16QAM	1	1	21.29	21.14	21.12	22.6
40	64QAM	1	1	21.12	21.21	21.27	22.6
40	256QAM	1	1	20.30	20.33	20.29	20.8
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.16	21.24	21.11	22.6
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.21	21.12	21.22	22.6
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.16	21.21	21.13	22.6
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.28	21.22	21.23	22.6



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	22.76	22.72	22.73	24.3
40	PI/2 BPSK	1	53	22.60	22.52	22.62	
40	PI/2 BPSK	1	104	22.75	22.63	22.62	
40	PI/2 BPSK	50	0	22.72	22.61	22.60	24.3
40	PI/2 BPSK	50	28	22.73	22.64	22.63	24.3
40	PI/2 BPSK	50	56	22.67	22.62	22.56	24.3
40	PI/2 BPSK	100	0	22.69	22.54	22.65	
40	QPSK	1	1	22.63	22.62	22.55	24.3
40	QPSK	1	53	22.66	22.52	22.72	
40	QPSK	1	104	22.61	22.67	22.72	
40	QPSK	50	0	22.65	22.68	22.63	23.9
40	QPSK	50	28	22.59	22.61	22.64	24.3
40	QPSK	50	56	22.75	22.64	22.61	23.9
40	QPSK	100	0	22.70	22.58	22.56	
40	16QAM	1	1	22.69	22.65	22.56	23.9
40	64QAM	1	1	21.54	21.56	21.53	22.4
40	256QAM	1	1	19.79	19.77	19.71	20.4
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	22.70	22.64	22.53	24.3
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	22.58	22.59	22.66	24.3
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	22.70	22.52	22.57	24.3
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	22.69	22.63	22.55	24.3



<FR1 n48_Ant 6_Index 10>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Sub carrier spacing		Channel		637000	641666	646332	637000	641666	646332
30k	Hz	Frequency (MHz)		3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	19.52	19.64	19.50	20.90	20.90	20.90
10	PI/2 BPSK	1	22	19.48	19.42	19.55	20.90	20.90	20.90
10	PI/2 BPSK	12	6	19.52	19.47	19.54	20.90	20.90	20.90
10	PI/2 BPSK	1	0	19.36	19.39	19.51	20.90	20.90	20.90
10	PI/2 BPSK	1	23	19.49	19.46	19.57	20.90	20.90	20.90
10	PI/2 BPSK	24	0	19.46	19.53	19.65	20.90	20.90	20.90
10	QPSK	1	1	19.48	19.43	19.52	20.90	20.90	20.90
10	QPSK	1	22	19.50	19.50	19.46	20.90	20.90	20.90
10	QPSK	12	6	19.61	19.51	19.65	20.90	20.90	20.90
10	QPSK	1	0	19.32	19.48	19.32	20.90	20.90	20.90
10	QPSK	1	23	19.40	19.31	19.39	20.90	20.90	20.90
10	QPSK	24	0	19.50	19.54	19.64	20.90	20.90	20.90
10	16QAM	1	1	19.46	19.52	19.41	20.90	20.90	20.90
10	64QAM	1	1	19.35	19.47	19.38	20.90	20.90	20.90
10	256QAM	1	1	19.39	19.31	19.39	20.90	20.90	20.90
Sub carrier spacing		Channel		637168	641666	646166	637168	641666	646166
30k	Hz	Frequency (MHz)		3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	19.62	19.53	19.52	20.90	20.90	20.90
15	PI/2 BPSK	1	36	19.51	19.55	19.38	20.90	20.90	20.90
15	PI/2 BPSK	18	9	19.52	19.49	19.46	20.90	20.90	20.90
15	PI/2 BPSK	1	0	19.43	19.42	19.42	20.90	20.90	20.90
15	PI/2 BPSK	1	37	19.53	19.57	19.57	20.90	20.90	20.90
15	PI/2 BPSK	36	0	19.61	19.62	19.55	20.90	20.90	20.90
15	QPSK	1	1	19.55	19.56	19.45	20.90	20.90	20.90
15	QPSK	1	36	19.45	19.41	19.53	20.90	20.90	20.90
15	QPSK	18	9	19.62	19.52	19.56	20.90	20.90	20.90
15	QPSK	1	0	19.34	19.39	19.40	20.90	20.90	20.90
15	QPSK	1	37	19.39	19.45	19.45	20.90	20.90	20.90
15	QPSK	36	0	19.53	19.50	19.64	20.90	20.90	20.90
15	16QAM	1	1	19.56	19.37	19.52	20.90	20.90	20.90
15	64QAM	1	1	19.51	19.44	19.41	20.90	20.90	20.90
15	256QAM	1	1	19.30	19.50	19.39	20.90	20.90	20.90
Sub carrier spacing		Channel		637334	641666	646000	637334	641666	646000
30k	Hz	Frequency (MHz)		3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	19.64	19.51	19.55	20.90	20.90	20.90
20	PI/2 BPSK	1	49	19.44	19.47	19.54	20.90	20.90	20.90
20	PI/2 BPSK	25	12	19.64	19.54	19.50	20.90	20.90	20.90
20	PI/2 BPSK	1	0	19.50	19.44	19.38	20.90	20.90	20.90
20	PI/2 BPSK	1	50	19.49	19.59	19.49	20.90	20.90	20.90
20	PI/2 BPSK	50	0	19.63	19.65	19.56	20.90	20.90	20.90
20	QPSK	1	1	19.42	19.60	19.57	20.90	20.90	20.90
20	QPSK	1	49	19.39	19.50	19.46	20.90	20.90	20.90
20	QPSK	25	12	19.49	19.55	19.49	20.90	20.90	20.90
20	QPSK	1	0	19.39	19.35	19.45	20.90	20.90	20.90
20	QPSK	1	50	19.49	19.35	19.32	20.90	20.90	20.90
20	QPSK	50	0	19.62	19.59	19.47	20.90	20.90	20.90
20	16QAM	1	1	19.41	19.48	19.48	20.90	20.90	20.90
20	64QAM	1	1	19.42	19.48	19.35	20.90	20.90	20.90
20	256QAM	1	1	19.37	19.48	19.32	20.90	20.90	20.90
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99



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30	PI/2 BPSK	1	1	12.91	19.63	12.91	13.00	20.90	13.00
30	PI/2 BPSK	1	76	12.84	19.48	12.95	13.00	20.90	13.00
30	PI/2 BPSK	36	18	12.86	19.66	19.67	13.00	20.90	20.90
30	PI/2 BPSK	1	0	12.90	19.52	12.89	13.00	20.90	13.00
30	PI/2 BPSK	1	77	12.83	19.57	12.95	13.00	20.90	13.00
30	PI/2 BPSK	75	0	12.85	19.64	12.93	13.00	20.90	13.00
30	QPSK	1	1	12.90	19.61	12.89	13.00	20.90	13.00
30	QPSK	1	76	12.85	19.50	12.94	13.00	20.90	13.00
30	QPSK	36	18	12.88	19.63	19.63	13.00	20.90	20.90
30	QPSK	1	0	12.91	19.47	12.91	13.00	20.90	13.00
30	QPSK	1	77	12.81	19.46	12.95	13.00	20.90	13.00
30	QPSK	75	0	12.85	19.60	12.98	13.00	20.90	13.00
30	16QAM	1	1	12.32	19.50	12.36	13.00	20.90	13.00
30	64QAM	1	1	12.43	19.49	12.40	13.00	20.90	13.00
30	256QAM	1	1	12.45	19.48	12.30	13.00	20.90	13.00
Sub carrier spacing		Channel		638000	641666	645332	638000	641666	645332
30k	Hz	Frequency (MHz)		3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	12.97	19.68	12.80	13.00	20.90	13.00
40	PI/2 BPSK	1	104	12.92	19.57	12.84	13.00	20.90	13.00
40	PI/2 BPSK	50	25	12.89	19.66	12.86	13.00	20.90	13.00
40	PI/2 BPSK	1	0	12.98	19.55	12.79	13.00	20.90	13.00
40	PI/2 BPSK	1	105	12.92	19.62	12.87	13.00	20.90	13.00
40	PI/2 BPSK	100	0	12.90	19.65	12.82	13.00	20.90	13.00
40	QPSK	1	1	12.96	19.61	12.91	13.00	20.90	13.00
40	QPSK	1	104	12.92	19.53	12.91	13.00	20.90	13.00
40	QPSK	50	25	12.86	19.65	12.84	13.00	20.90	13.00
40	QPSK	1	0	12.97	19.51	12.88	13.00	20.90	13.00
40	QPSK	1	105	12.88	19.49	12.91	13.00	20.90	13.00
40	QPSK	100	0	12.90	19.64	12.83	13.00	20.90	13.00
40	16QAM	1	1	12.47	19.57	12.53	13.00	20.90	13.00
40	64QAM	1	1	12.39	19.51	12.24	13.00	20.90	13.00
40	256QAM	1	1	12.38	19.50	12.24	13.00	20.90	13.00



<FR1 n48_Ant 1_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Sub carrier spacing		Channel		637000	641666	646332	637000	641666	646332
30k	Hz	Frequency (MHz)		3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	21.40	21.45	21.47	22.40	22.40	22.40
10	PI/2 BPSK	1	22	21.41	21.48	21.49	22.40	22.40	22.40
10	PI/2 BPSK	12	6	21.39	21.46	21.46	22.40	22.40	22.40
10	PI/2 BPSK	1	0	21.40	21.47	21.39	22.40	22.40	22.40
10	PI/2 BPSK	1	23	21.47	21.48	21.46	22.40	22.40	22.40
10	PI/2 BPSK	24	0	21.41	21.43	21.46	22.40	22.40	22.40
10	QPSK	1	1	21.47	21.46	21.41	22.40	22.40	22.40
10	QPSK	1	22	21.43	21.43	21.49	22.40	22.40	22.40
10	QPSK	12	6	21.41	21.48	21.40	22.40	22.40	22.40
10	QPSK	1	0	21.41	21.42	21.42	22.40	22.40	22.40
10	QPSK	1	23	21.49	21.49	21.39	22.40	22.40	22.40
10	QPSK	24	0	21.46	21.44	21.39	22.40	22.40	22.40
10	16QAM	1	1	21.48	21.44	21.44	22.40	22.40	22.40
10	64QAM	1	1	21.24	21.11	20.91	22.00	22.00	22.00
10	256QAM	1	1	19.09	19.23	18.97	20.00	20.00	20.00
Sub carrier spacing		Channel		637168	641666	646166	637168	641666	646166
30k	Hz	Frequency (MHz)		3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	19.76	21.47	21.44	20.00	22.40	22.40
15	PI/2 BPSK	1	36	21.37	21.43	19.43	22.40	22.40	20.00
15	PI/2 BPSK	18	9	21.45	21.38	21.44	22.40	22.40	22.40
15	PI/2 BPSK	1	0	19.71	21.38	21.46	20.00	22.40	22.40
15	PI/2 BPSK	1	37	21.45	21.37	19.43	22.40	22.40	20.00
15	PI/2 BPSK	36	0	19.63	21.43	19.49	20.00	22.40	20.00
15	QPSK	1	1	19.85	21.42	21.41	20.00	22.40	22.40
15	QPSK	1	36	21.39	21.47	19.43	22.40	22.40	20.00
15	QPSK	18	9	21.42	21.44	21.37	22.40	22.40	22.40
15	QPSK	1	0	19.69	21.42	21.41	20.00	22.40	22.40
15	QPSK	1	37	21.43	21.44	19.46	22.40	22.40	20.00
15	QPSK	36	0	19.67	21.45	19.51	20.00	22.40	20.00
15	16QAM	1	1	18.67	21.47	21.41	20.00	22.40	22.40
15	64QAM	1	1	18.86	21.32	21.00	20.00	22.00	22.00
15	256QAM	1	1	19.36	19.00	19.03	20.00	20.00	20.00
Sub carrier spacing		Channel		637334	641666	646000	637334	641666	646000
30k	Hz	Frequency (MHz)		3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	19.75	21.47	21.45	20.00	22.40	22.40
20	PI/2 BPSK	1	49	21.40	21.44	19.49	22.40	22.40	20.00
20	PI/2 BPSK	25	12	21.47	21.39	21.46	22.40	22.40	22.40
20	PI/2 BPSK	1	0	19.71	21.43	21.44	20.00	22.40	22.40
20	PI/2 BPSK	1	50	21.46	21.45	19.47	22.40	22.40	20.00
20	PI/2 BPSK	50	0	19.67	21.46	19.54	20.00	22.40	20.00
20	QPSK	1	1	19.80	21.37	21.40	20.00	22.40	22.40
20	QPSK	1	49	21.43	21.38	19.37	22.40	22.40	20.00
20	QPSK	25	12	21.41	21.46	21.45	22.40	22.40	22.40
20	QPSK	1	0	19.80	21.37	21.42	20.00	22.40	22.40
20	QPSK	1	50	21.45	21.37	19.39	22.40	22.40	20.00
20	QPSK	50	0	19.68	21.40	19.49	20.00	22.40	20.00
20	16QAM	1	1	18.72	21.46	21.41	20.00	22.40	22.40
20	64QAM	1	1	18.63	21.30	21.09	20.00	22.00	22.00
20	256QAM	1	1	19.44	19.24	19.18	20.00	20.00	20.00
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99



FCC SAR TEST REPORT

Report No. : FA3D2001D

30	PI/2 BPSK	1	1	12.20	19.69	12.04	13.00	20.00	13.00
30	PI/2 BPSK	1	76	11.98	19.56	11.82	13.00	20.00	13.00
30	PI/2 BPSK	36	18	12.04	21.47	21.46	13.00	22.40	22.40
30	PI/2 BPSK	1	0	12.23	19.74	12.02	13.00	20.00	13.00
30	PI/2 BPSK	1	77	11.99	19.56	11.82	13.00	20.00	13.00
30	PI/2 BPSK	75	0	12.06	19.56	11.91	13.00	20.00	13.00
30	QPSK	1	1	12.19	19.67	12.05	13.00	20.00	13.00
30	QPSK	1	76	12.00	19.52	11.82	13.00	20.00	13.00
30	QPSK	36	18	12.05	21.45	21.43	13.00	22.40	22.40
30	QPSK	1	0	12.18	19.68	12.03	13.00	20.00	13.00
30	QPSK	1	77	11.98	19.51	11.80	13.00	20.00	13.00
30	QPSK	75	0	12.03	19.55	11.91	13.00	20.00	13.00
30	16QAM	1	1	11.68	19.56	11.48	13.00	20.00	13.00
30	64QAM	1	1	11.57	19.58	11.48	13.00	20.00	13.00
30	256QAM	1	1	11.78	19.17	11.56	13.00	20.00	13.00
Sub carrier spacing		Channel		638000	641666	645332	638000	641666	645332
30k	Hz	Frequency (MHz)		3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	12.22	19.74	11.98	13.00	20.00	13.00
40	PI/2 BPSK	1	104	11.97	19.51	11.84	13.00	20.00	13.00
40	PI/2 BPSK	50	25	12.05	21.50	11.95	13.00	22.40	13.00
40	PI/2 BPSK	1	0	12.21	19.75	11.99	13.00	20.00	13.00
40	PI/2 BPSK	1	105	11.93	19.49	11.84	13.00	20.00	13.00
40	PI/2 BPSK	100	0	12.09	19.06	11.95	13.00	20.00	13.00
40	QPSK	1	1	12.21	19.64	11.97	13.00	20.00	13.00
40	QPSK	1	104	11.97	19.41	11.84	13.00	20.00	13.00
40	QPSK	50	25	12.06	21.47	11.97	13.00	22.40	13.00
40	QPSK	1	0	12.19	19.63	11.94	13.00	20.00	13.00
40	QPSK	1	105	11.96	19.41	11.85	13.00	20.00	13.00
40	QPSK	100	0	12.06	19.06	11.98	13.00	20.00	13.00
40	16QAM	1	1	11.84	19.65	11.57	13.00	20.00	13.00
40	64QAM	1	1	11.74	19.76	11.57	13.00	20.00	13.00
40	256QAM	1	1	11.76	19.17	11.37	13.00	20.00	13.00



<FR1 n48_Ant 2_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.30	21.32	21.29	21.8
40	PI/2 BPSK	1	53	21.21	21.20	21.16	
40	PI/2 BPSK	1	104	21.19	21.25	21.20	
40	PI/2 BPSK	50	0	21.15	21.18	21.17	21.8
40	PI/2 BPSK	50	28	21.16	21.24	21.21	21.8
40	PI/2 BPSK	50	56	21.11	21.21	21.20	21.8
40	PI/2 BPSK	100	0	21.20	21.23	21.18	
40	QPSK	1	1	21.15	21.15	21.20	21.8
40	QPSK	1	53	21.26	21.20	21.19	
40	QPSK	1	104	21.17	21.13	21.21	
40	QPSK	50	0	21.21	21.20	21.10	21.8
40	QPSK	50	28	21.26	21.16	21.25	21.8
40	QPSK	50	56	21.10	21.20	21.24	21.8
40	QPSK	100	0	21.17	21.25	21.16	
40	16QAM	1	1	21.29	21.14	21.12	21.8
40	64QAM	1	1	21.12	21.21	21.27	21.8
40	256QAM	1	1	20.30	20.33	20.29	20.8
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.16	21.24	21.11	21.8
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.21	21.12	21.22	21.8
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.16	21.21	21.13	21.8
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.28	21.22	21.23	21.8



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	22.76	22.72	22.73	23.5
40	PI/2 BPSK	1	53	22.60	22.52	22.62	
40	PI/2 BPSK	1	104	22.75	22.63	22.62	
40	PI/2 BPSK	50	0	22.72	22.61	22.60	23.5
40	PI/2 BPSK	50	28	22.73	22.64	22.63	23.5
40	PI/2 BPSK	50	56	22.67	22.62	22.56	23.5
40	PI/2 BPSK	100	0	22.69	22.54	22.65	
40	QPSK	1	1	22.63	22.62	22.55	23.5
40	QPSK	1	53	22.66	22.52	22.72	
40	QPSK	1	104	22.61	22.67	22.72	
40	QPSK	50	0	22.65	22.68	22.63	23.5
40	QPSK	50	28	22.59	22.61	22.64	23.5
40	QPSK	50	56	22.75	22.64	22.61	23.5
40	QPSK	100	0	22.70	22.58	22.56	
40	16QAM	1	1	22.69	22.65	22.56	23.5
40	64QAM	1	1	21.54	21.56	21.53	22.4
40	256QAM	1	1	19.79	19.77	19.71	20.4
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	22.70	22.64	22.53	23.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	22.58	22.59	22.66	23.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	22.70	22.52	22.57	23.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	22.69	22.63	22.55	23.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
Sub carrier spacing		Channel		637000	641666	646332	637000	641666	646332
30k	Hz	Frequency (MHz)		3555	3624.99	3694.98	3555	3624.99	3694.98
10	PI/2 BPSK	1	1	19.52	19.64	19.50	20.10	20.10	20.10
10	PI/2 BPSK	1	22	19.48	19.42	19.55	20.10	20.10	20.10
10	PI/2 BPSK	12	6	19.52	19.47	19.54	20.10	20.10	20.10
10	PI/2 BPSK	1	0	19.36	19.39	19.51	20.10	20.10	20.10
10	PI/2 BPSK	1	23	19.49	19.46	19.57	20.10	20.10	20.10
10	PI/2 BPSK	24	0	19.46	19.53	19.65	20.10	20.10	20.10
10	QPSK	1	1	19.48	19.43	19.52	20.10	20.10	20.10
10	QPSK	1	22	19.50	19.50	19.46	20.10	20.10	20.10
10	QPSK	12	6	19.61	19.51	19.65	20.10	20.10	20.10
10	QPSK	1	0	19.32	19.48	19.32	20.10	20.10	20.10
10	QPSK	1	23	19.40	19.31	19.39	20.10	20.10	20.10
10	QPSK	24	0	19.50	19.54	19.64	20.10	20.10	20.10
10	16QAM	1	1	19.46	19.52	19.41	20.10	20.10	20.10
10	64QAM	1	1	19.35	19.47	19.38	20.10	20.10	20.10
10	256QAM	1	1	19.39	19.31	19.39	20.10	20.10	20.10
Sub carrier spacing		Channel		637168	641666	646166	637168	641666	646166
30k	Hz	Frequency (MHz)		3557.52	3624.99	3692.49	3557.52	3624.99	3692.49
15	PI/2 BPSK	1	1	19.62	19.53	19.52	20.10	20.10	20.10
15	PI/2 BPSK	1	36	19.51	19.55	19.38	20.10	20.10	20.10
15	PI/2 BPSK	18	9	19.52	19.49	19.46	20.10	20.10	20.10
15	PI/2 BPSK	1	0	19.43	19.42	19.42	20.10	20.10	20.10
15	PI/2 BPSK	1	37	19.53	19.57	19.57	20.10	20.10	20.10
15	PI/2 BPSK	36	0	19.61	19.62	19.55	20.10	20.10	20.10
15	QPSK	1	1	19.55	19.56	19.45	20.10	20.10	20.10
15	QPSK	1	36	19.45	19.41	19.53	20.10	20.10	20.10
15	QPSK	18	9	19.62	19.52	19.56	20.10	20.10	20.10
15	QPSK	1	0	19.34	19.39	19.40	20.10	20.10	20.10
15	QPSK	1	37	19.39	19.45	19.45	20.10	20.10	20.10
15	QPSK	36	0	19.53	19.50	19.64	20.10	20.10	20.10
15	16QAM	1	1	19.56	19.37	19.52	20.10	20.10	20.10
15	64QAM	1	1	19.51	19.44	19.41	20.10	20.10	20.10
15	256QAM	1	1	19.30	19.50	19.39	20.10	20.10	20.10
Sub carrier spacing		Channel		637334	641666	646000	637334	641666	646000
30k	Hz	Frequency (MHz)		3560.01	3624.99	3690	3560.01	3624.99	3690
20	PI/2 BPSK	1	1	19.64	19.51	19.55	20.10	20.10	20.10
20	PI/2 BPSK	1	49	19.44	19.47	19.54	20.10	20.10	20.10
20	PI/2 BPSK	25	12	19.64	19.54	19.50	20.10	20.10	20.10
20	PI/2 BPSK	1	0	19.50	19.44	19.38	20.10	20.10	20.10
20	PI/2 BPSK	1	50	19.49	19.59	19.49	20.10	20.10	20.10
20	PI/2 BPSK	50	0	19.63	19.65	19.56	20.10	20.10	20.10
20	QPSK	1	1	19.42	19.60	19.57	20.10	20.10	20.10
20	QPSK	1	49	19.39	19.50	19.46	20.10	20.10	20.10
20	QPSK	25	12	19.49	19.55	19.49	20.10	20.10	20.10
20	QPSK	1	0	19.39	19.35	19.45	20.10	20.10	20.10
20	QPSK	1	50	19.49	19.35	19.32	20.10	20.10	20.10
20	QPSK	50	0	19.62	19.59	19.47	20.10	20.10	20.10
20	16QAM	1	1	19.41	19.48	19.48	20.10	20.10	20.10
20	64QAM	1	1	19.42	19.48	19.35	20.10	20.10	20.10
20	256QAM	1	1	19.37	19.48	19.32	20.10	20.10	20.10
Sub carrier spacing		Channel		637668	641666	645666	637668	641666	645666
30k	Hz	Frequency (MHz)		3565.02	3624.99	3684.99	3565.02	3624.99	3684.99



FCC SAR TEST REPORT

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30	PI/2 BPSK	1	1	12.91	19.63	12.91	13.00	20.10	13.00
30	PI/2 BPSK	1	76	12.84	19.48	12.95	13.00	20.10	13.00
30	PI/2 BPSK	36	18	12.86	19.66	19.67	13.00	20.10	20.10
30	PI/2 BPSK	1	0	12.90	19.52	12.89	13.00	20.10	13.00
30	PI/2 BPSK	1	77	12.83	19.57	12.95	13.00	20.10	13.00
30	PI/2 BPSK	75	0	12.85	19.64	12.93	13.00	20.10	13.00
30	QPSK	1	1	12.90	19.61	12.89	13.00	20.10	13.00
30	QPSK	1	76	12.85	19.50	12.94	13.00	20.10	13.00
30	QPSK	36	18	12.88	19.63	19.63	13.00	20.10	20.10
30	QPSK	1	0	12.91	19.47	12.91	13.00	20.10	13.00
30	QPSK	1	77	12.81	19.46	12.95	13.00	20.10	13.00
30	QPSK	75	0	12.85	19.60	12.98	13.00	20.10	13.00
30	16QAM	1	1	12.32	19.50	12.36	13.00	20.10	13.00
30	64QAM	1	1	12.43	19.49	12.40	13.00	20.10	13.00
30	256QAM	1	1	12.45	19.48	12.30	13.00	20.10	13.00
Sub carrier spacing		Channel		638000	641666	645332	638000	641666	645332
30k	Hz	Frequency (MHz)		3570	3624.99	3679.98	3570	3624.99	3679.98
40	PI/2 BPSK	1	1	12.97	19.68	12.80	13.00	20.10	13.00
40	PI/2 BPSK	1	104	12.92	19.57	12.84	13.00	20.10	13.00
40	PI/2 BPSK	50	25	12.89	19.66	12.86	13.00	20.10	13.00
40	PI/2 BPSK	1	0	12.98	19.55	12.79	13.00	20.10	13.00
40	PI/2 BPSK	1	105	12.92	19.62	12.87	13.00	20.10	13.00
40	PI/2 BPSK	100	0	12.90	19.65	12.82	13.00	20.10	13.00
40	QPSK	1	1	12.96	19.61	12.91	13.00	20.10	13.00
40	QPSK	1	104	12.92	19.53	12.91	13.00	20.10	13.00
40	QPSK	50	25	12.86	19.65	12.84	13.00	20.10	13.00
40	QPSK	1	0	12.97	19.51	12.88	13.00	20.10	13.00
40	QPSK	1	105	12.88	19.49	12.91	13.00	20.10	13.00
40	QPSK	100	0	12.90	19.64	12.83	13.00	20.10	13.00
40	16QAM	1	1	12.47	19.57	12.53	13.00	20.10	13.00
40	64QAM	1	1	12.39	19.51	12.24	13.00	20.10	13.00
40	256QAM	1	1	12.38	19.50	12.24	13.00	20.10	13.00



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	24.57	24.51	24.44	
40	PI/2 BPSK	1	108	24.44	24.48	24.34	25.6
40	PI/2 BPSK	1	214	24.35	24.33	24.22	
40	PI/2 BPSK	108	0	23.99	23.99	23.89	
40	PI/2 BPSK	108	54	24.37	24.40	24.29	25.1
40	PI/2 BPSK	108	108	23.89	23.91	23.81	25.6
40	PI/2 BPSK	108	108	23.89	23.91	23.81	
40	PI/2 BPSK	216	0	23.95	23.91	23.75	
40	QPSK	1	1	24.48	24.45	24.38	25.1
40	QPSK	1	108	24.43	24.37	24.26	
40	QPSK	1	214	24.35	24.32	24.24	
40	QPSK	108	0	23.45	23.48	23.36	24.6
40	QPSK	108	54	24.37	24.41	24.29	25.6
40	QPSK	108	108	23.43	23.41	23.25	
40	QPSK	216	0	23.42	23.39	23.32	
40	16QAM	1	1	23.41	23.43	23.31	24.6
40	64QAM	1	1	21.89	21.93	21.76	23.1
40	256QAM	1	1	20.03	19.98	19.91	21.1
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	24.51	24.42	24.34	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	24.38	24.35	24.40	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	24.51	24.42	24.31	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	24.50	24.41	24.26	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	24.37	24.32	24.44	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	24.47	24.31	24.25	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	17.1
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	16.87	16.89	16.84	
40	PI/2 BPSK	1	108	16.82	16.79	16.82	17.1
40	PI/2 BPSK	1	214	16.76	16.74	16.70	
40	PI/2 BPSK	108	0	16.76	16.79	16.76	
40	PI/2 BPSK	108	54	16.69	16.78	16.74	17.1
40	PI/2 BPSK	108	108	16.68	16.76	16.79	17.1
40	PI/2 BPSK	216	0	16.87	16.81	16.66	
40	QPSK	1	1	16.78	16.84	16.78	
40	QPSK	1	108	16.67	16.87	16.77	17.1
40	QPSK	1	214	16.69	16.83	16.70	
40	QPSK	108	0	16.76	16.69	16.64	
40	QPSK	108	54	16.79	16.82	16.73	17.1
40	QPSK	108	108	16.73	16.87	16.78	17.1
40	QPSK	216	0	16.71	16.72	16.74	
40	16QAM	1	1	16.83	16.83	16.73	
40	64QAM	1	1	16.78	16.71	16.70	17.1
40	256QAM	1	1	16.68	16.84	16.78	17.1
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	16.72	16.85	16.68	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	16.74	16.82	16.73	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	16.71	16.78	16.77	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	16.69	16.72	16.66	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	16.73	16.80	16.79	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	16.74	16.69	16.84	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	25.6
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	24.22	24.29	24.24	
40	PI/2 BPSK	1	108	24.02	24.12	24.05	25.1
40	PI/2 BPSK	1	214	24.09	24.23	24.14	
40	PI/2 BPSK	108	0	23.73	23.87	23.75	
40	PI/2 BPSK	108	54	24.01	24.17	24.07	25.1
40	PI/2 BPSK	108	108	23.57	23.73	23.59	
40	PI/2 BPSK	216	0	23.59	23.69	23.56	
40	QPSK	1	1	24.12	24.26	24.15	25.6
40	QPSK	1	108	24.17	24.25	24.19	
40	QPSK	1	214	24.09	24.20	24.08	
40	QPSK	108	0	23.21	23.36	23.29	24.6
40	QPSK	108	54	24.04	24.18	24.06	
40	QPSK	108	108	23.13	23.25	23.10	
40	QPSK	216	0	23.07	23.15	23.08	23.1
40	16QAM	1	1	23.04	23.18	23.03	
40	64QAM	1	1	21.54	21.68	21.53	
40	256QAM	1	1	19.58	19.68	19.62	21.1
Channel				345000	349000	353000	25.6
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	24.11	24.09	24.11	
Channel				344500	349000	353500	25.6
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	24.05	24.18	24.14	
Channel				344000	349000	354000	25.6
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	24.09	24.21	24.08	
Channel				343500	349000	354500	25.6
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	24.07	24.23	24.10	
Channel				343000	349000	355000	25.6
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	24.21	24.12	24.14	
Channel				342500	349000	355500	25.6
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	24.09	24.23	24.12	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	25.6
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	24.32	24.31	24.35	
40	PI/2 BPSK	1	108	24.27	24.26	24.24	25.1
40	PI/2 BPSK	1	214	24.08	24.09	24.11	
40	PI/2 BPSK	108	0	23.69	23.72	23.76	
40	PI/2 BPSK	108	54	24.12	24.16	24.14	25.1
40	PI/2 BPSK	108	108	23.67	23.70	23.67	
40	PI/2 BPSK	216	0	23.56	23.65	23.64	
40	QPSK	1	1	24.23	24.23	24.27	25.6
40	QPSK	1	108	24.13	24.16	24.14	
40	QPSK	1	214	24.06	24.13	24.16	
40	QPSK	108	0	23.21	23.23	23.23	24.6
40	QPSK	108	54	24.07	24.16	24.14	
40	QPSK	108	108	23.18	23.19	23.21	
40	QPSK	216	0	23.08	23.14	23.17	23.1
40	16QAM	1	1	23.21	23.22	23.22	
40	64QAM	1	1	21.62	21.69	21.68	
40	256QAM	1	1	19.85	19.89	19.91	21.1
Channel				345000	349000	353000	25.6
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	24.17	24.13	24.28	
Channel				344500	349000	353500	25.6
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	24.13	24.11	24.34	
Channel				344000	349000	354000	25.6
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	24.20	24.16	24.23	
Channel				343500	349000	354500	25.6
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	24.27	24.18	24.26	
Channel				343000	349000	355000	25.6
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	24.15	24.22	24.21	
Channel				342500	349000	355500	25.6
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	24.12	24.31	24.23	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	19.5
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.87	18.90	18.82	
40	PI/2 BPSK	1	108	18.71	18.88	18.63	19.5
40	PI/2 BPSK	1	214	18.81	18.79	18.82	
40	PI/2 BPSK	108	0	18.86	18.85	18.81	
40	PI/2 BPSK	108	54	18.87	18.88	18.82	19.5
40	PI/2 BPSK	108	108	18.67	18.82	18.75	19.5
40	PI/2 BPSK	216	0	18.74	18.79	18.78	
40	QPSK	1	1	18.80	18.84	18.76	
40	QPSK	1	108	18.85	18.72	18.80	19.5
40	QPSK	1	214	18.72	18.80	18.78	
40	QPSK	108	0	18.73	18.74	18.76	
40	QPSK	108	54	18.72	18.73	18.74	19.5
40	QPSK	108	108	18.73	18.84	18.70	19.5
40	QPSK	216	0	18.69	18.78	18.63	
40	16QAM	1	1	18.69	18.82	18.64	
40	64QAM	1	1	18.85	18.80	18.77	19.5
40	256QAM	1	1	18.79	18.72	18.64	19.5
Channel				345000	349000	353000	19.5
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	18.77	18.73	18.67	
Channel				344500	349000	353500	19.5
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	18.78	18.88	18.82	
Channel				344000	349000	354000	19.5
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	18.84	18.87	18.75	
Channel				343500	349000	354500	19.5
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	18.70	18.78	18.80	
Channel				343000	349000	355000	19.5
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	18.67	18.76	18.62	
Channel				342500	349000	355500	19.5
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	18.73	18.70	18.62	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	16.87	16.89	16.84	
40	PI/2 BPSK	1	108	16.82	16.79	16.82	17.5
40	PI/2 BPSK	1	214	16.76	16.74	16.70	
40	PI/2 BPSK	108	0	16.76	16.79	16.76	
40	PI/2 BPSK	108	54	16.69	16.78	16.74	17.5
40	PI/2 BPSK	108	108	16.68	16.76	16.79	17.5
40	PI/2 BPSK	216	0	16.87	16.81	16.66	
40	QPSK	1	1	16.78	16.84	16.78	
40	QPSK	1	108	16.67	16.87	16.77	17.5
40	QPSK	1	214	16.69	16.83	16.70	
40	QPSK	108	0	16.76	16.69	16.64	
40	QPSK	108	54	16.79	16.82	16.73	17.5
40	QPSK	108	108	16.73	16.87	16.78	17.5
40	QPSK	216	0	16.71	16.72	16.74	
40	16QAM	1	1	16.83	16.83	16.73	
40	64QAM	1	1	16.78	16.71	16.70	17.5
40	256QAM	1	1	16.68	16.84	16.78	17.5
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	16.72	16.85	16.68	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	16.74	16.82	16.73	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	16.71	16.78	16.77	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	16.69	16.72	16.66	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	16.73	16.80	16.79	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	16.74	16.69	16.84	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	20.0
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	19.62	19.66	19.64	
40	PI/2 BPSK	1	108	19.57	19.65	19.59	20.0
40	PI/2 BPSK	1	214	19.56	19.57	19.46	
40	PI/2 BPSK	108	0	19.52	19.51	19.53	
40	PI/2 BPSK	108	54	19.54	19.56	19.55	20.0
40	PI/2 BPSK	108	108	19.50	19.51	19.54	20.0
40	PI/2 BPSK	216	0	19.43	19.56	19.51	
40	QPSK	1	1	19.58	19.65	19.46	
40	QPSK	1	108	19.52	19.50	19.62	20.0
40	QPSK	1	214	19.61	19.51	19.62	
40	QPSK	108	0	19.52	19.60	19.63	
40	QPSK	108	54	19.54	19.51	19.53	20.0
40	QPSK	108	108	19.49	19.63	19.53	20.0
40	QPSK	216	0	19.55	19.53	19.54	
40	16QAM	1	1	19.57	19.56	19.62	
40	64QAM	1	1	19.47	19.52	19.59	20.0
40	256QAM	1	1	19.41	19.38	19.42	20.0
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	19.58	19.58	19.50	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	19.50	19.58	19.46	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	19.60	19.52	19.54	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	19.44	19.54	19.58	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	19.44	19.49	19.48	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	19.48	19.61	19.44	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	22.7
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.18	22.20	22.18	
40	PI/2 BPSK	1	108	22.17	22.16	22.14	22.7
40	PI/2 BPSK	1	214	21.90	21.97	21.92	
40	PI/2 BPSK	108	0	22.04	22.07	22.11	
40	PI/2 BPSK	108	54	22.09	22.10	22.15	22.7
40	PI/2 BPSK	108	108	21.99	22.09	22.03	22.7
40	PI/2 BPSK	216	0	21.86	22.01	22.00	
40	QPSK	1	1	22.12	22.08	22.12	
40	QPSK	1	108	21.98	22.00	22.02	22.7
40	QPSK	1	214	21.87	21.95	21.96	
40	QPSK	108	0	22.06	22.06	22.11	
40	QPSK	108	54	21.89	22.03	22.04	22.7
40	QPSK	108	108	22.08	22.04	22.04	22.7
40	QPSK	216	0	21.91	22.00	21.98	
40	16QAM	1	1	22.08	22.04	22.10	
40	64QAM	1	1	21.52	21.77	21.60	22.7
40	256QAM	1	1	19.75	19.87	19.94	21.1
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.07	21.93	22.09	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	21.96	21.97	22.14	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.03	21.98	22.06	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.13	21.99	22.11	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.02	22.05	22.02	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.99	22.20	22.08	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	20.3
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.87	18.90	18.82	
40	PI/2 BPSK	1	108	18.71	18.88	18.63	20.3
40	PI/2 BPSK	1	214	18.81	18.79	18.82	
40	PI/2 BPSK	108	0	18.86	18.85	18.81	
40	PI/2 BPSK	108	54	18.87	18.88	18.82	20.3
40	PI/2 BPSK	108	108	18.67	18.82	18.75	20.3
40	PI/2 BPSK	216	0	18.74	18.79	18.78	
40	QPSK	1	1	18.80	18.84	18.76	
40	QPSK	1	108	18.85	18.72	18.80	20.3
40	QPSK	1	214	18.72	18.80	18.78	
40	QPSK	108	0	18.73	18.74	18.76	
40	QPSK	108	54	18.72	18.73	18.74	20.3
40	QPSK	108	108	18.73	18.84	18.70	20.3
40	QPSK	216	0	18.69	18.78	18.63	
40	16QAM	1	1	18.69	18.82	18.64	
40	64QAM	1	1	18.85	18.80	18.77	20.3
40	256QAM	1	1	18.79	18.72	18.64	20.3
Channel				345000	349000	353000	20.3
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	18.77	18.73	18.67	
Channel				344500	349000	353500	20.3
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	18.78	18.88	18.82	
Channel				344000	349000	354000	20.3
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	18.84	18.87	18.75	
Channel				343500	349000	354500	20.3
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	18.70	18.78	18.80	
Channel				343000	349000	355000	20.3
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	18.67	18.76	18.62	
Channel				342500	349000	355500	20.3
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	18.73	18.70	18.62	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	20.2
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.85	18.91	18.83	
40	PI/2 BPSK	1	108	18.69	18.72	18.66	20.2
40	PI/2 BPSK	1	214	18.66	18.71	18.74	
40	PI/2 BPSK	108	0	18.72	18.84	18.64	
40	PI/2 BPSK	108	54	18.67	18.88	18.80	20.2
40	PI/2 BPSK	108	108	18.77	18.87	18.67	20.2
40	PI/2 BPSK	216	0	18.80	18.79	18.71	
40	QPSK	1	1	18.65	18.72	18.71	
40	QPSK	1	108	18.78	18.86	18.75	20.2
40	QPSK	1	214	18.76	18.88	18.63	
40	QPSK	108	0	18.74	18.77	18.70	
40	QPSK	108	54	18.83	18.88	18.76	20.2
40	QPSK	108	108	18.72	18.88	18.63	20.2
40	QPSK	216	0	18.78	18.69	18.81	
40	16QAM	1	1	18.85	18.77	18.71	
40	64QAM	1	1	18.77	18.67	18.75	20.2
40	256QAM	1	1	18.46	18.50	18.49	20.2
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	18.71	18.88	18.74	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	18.75	18.76	18.74	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	18.83	18.73	18.66	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	18.69	18.75	18.79	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	18.72	18.76	18.79	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	18.65	18.82	18.73	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	20.8
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	19.62	19.66	19.64	
40	PI/2 BPSK	1	108	19.57	19.65	19.59	20.8
40	PI/2 BPSK	1	214	19.56	19.57	19.46	
40	PI/2 BPSK	108	0	19.52	19.51	19.53	
40	PI/2 BPSK	108	54	19.54	19.56	19.55	20.8
40	PI/2 BPSK	108	108	19.50	19.51	19.54	20.8
40	PI/2 BPSK	216	0	19.43	19.56	19.51	
40	QPSK	1	1	19.58	19.65	19.46	
40	QPSK	1	108	19.52	19.50	19.62	20.8
40	QPSK	1	214	19.61	19.51	19.62	
40	QPSK	108	0	19.52	19.60	19.63	
40	QPSK	108	54	19.54	19.51	19.53	20.8
40	QPSK	108	108	19.49	19.63	19.53	20.8
40	QPSK	216	0	19.55	19.53	19.54	
40	16QAM	1	1	19.57	19.56	19.62	
40	64QAM	1	1	19.47	19.52	19.59	20.8
40	256QAM	1	1	19.41	19.38	19.42	20.8
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	19.58	19.58	19.50	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	19.50	19.58	19.46	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	19.60	19.52	19.54	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	19.44	19.54	19.58	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	19.44	19.49	19.48	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	19.48	19.61	19.44	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	23.5
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.18	22.20	22.18	
40	PI/2 BPSK	1	108	22.17	22.16	22.14	23.5
40	PI/2 BPSK	1	214	21.90	21.97	21.92	
40	PI/2 BPSK	108	0	22.04	22.07	22.11	
40	PI/2 BPSK	108	54	22.09	22.10	22.15	23.5
40	PI/2 BPSK	108	108	21.99	22.09	22.03	23.5
40	PI/2 BPSK	216	0	21.86	22.01	22.00	
40	QPSK	1	1	22.12	22.08	22.12	
40	QPSK	1	108	21.98	22.00	22.02	23.5
40	QPSK	1	214	21.87	21.95	21.96	
40	QPSK	108	0	22.06	22.06	22.11	
40	QPSK	108	54	21.89	22.03	22.04	23.5
40	QPSK	108	108	22.08	22.04	22.04	23.5
40	QPSK	216	0	21.91	22.00	21.98	
40	16QAM	1	1	22.08	22.04	22.10	
40	64QAM	1	1	21.52	21.77	21.60	23.1
40	256QAM	1	1	19.75	19.87	19.94	21.1
Channel				345000	349000	353000	23.5
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.07	21.93	22.09	
Channel				344500	349000	353500	23.5
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	21.96	21.97	22.14	
Channel				344000	349000	354000	23.5
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.03	21.98	22.06	
Channel				343500	349000	354500	23.5
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.13	21.99	22.11	
Channel				343000	349000	355000	23.5
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.02	22.05	22.02	
Channel				342500	349000	355500	23.5
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.99	22.20	22.08	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	19.5
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.87	18.90	18.82	
40	PI/2 BPSK	1	108	18.71	18.88	18.63	19.5
40	PI/2 BPSK	1	214	18.81	18.79	18.82	
40	PI/2 BPSK	108	0	18.86	18.85	18.81	
40	PI/2 BPSK	108	54	18.87	18.88	18.82	19.5
40	PI/2 BPSK	108	108	18.67	18.82	18.75	19.5
40	PI/2 BPSK	216	0	18.74	18.79	18.78	
40	QPSK	1	1	18.80	18.84	18.76	
40	QPSK	1	108	18.85	18.72	18.80	19.5
40	QPSK	1	214	18.72	18.80	18.78	
40	QPSK	108	0	18.73	18.74	18.76	
40	QPSK	108	54	18.72	18.73	18.74	19.5
40	QPSK	108	108	18.73	18.84	18.70	19.5
40	QPSK	216	0	18.69	18.78	18.63	
40	16QAM	1	1	18.69	18.82	18.64	
40	64QAM	1	1	18.85	18.80	18.77	19.5
40	256QAM	1	1	18.79	18.72	18.64	19.5
Channel				345000	349000	353000	19.5
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	18.77	18.73	18.67	
Channel				344500	349000	353500	19.5
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	18.78	18.88	18.82	
Channel				344000	349000	354000	19.5
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	18.84	18.87	18.75	
Channel				343500	349000	354500	19.5
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	18.70	18.78	18.80	
Channel				343000	349000	355000	19.5
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	18.67	18.76	18.62	
Channel				342500	349000	355500	19.5
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	18.73	18.70	18.62	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	19.4
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.85	18.91	18.83	
40	PI/2 BPSK	1	108	18.69	18.72	18.66	19.4
40	PI/2 BPSK	1	214	18.66	18.71	18.74	
40	PI/2 BPSK	108	0	18.72	18.84	18.64	
40	PI/2 BPSK	108	54	18.67	18.88	18.80	19.4
40	PI/2 BPSK	108	108	18.77	18.87	18.67	19.4
40	PI/2 BPSK	216	0	18.80	18.79	18.71	
40	QPSK	1	1	18.65	18.72	18.71	
40	QPSK	1	108	18.78	18.86	18.75	19.4
40	QPSK	1	214	18.76	18.88	18.63	
40	QPSK	108	0	18.74	18.77	18.70	
40	QPSK	108	54	18.83	18.88	18.76	19.4
40	QPSK	108	108	18.72	18.88	18.63	19.4
40	QPSK	216	0	18.78	18.69	18.81	
40	16QAM	1	1	18.85	18.77	18.71	
40	64QAM	1	1	18.77	18.67	18.75	19.4
40	256QAM	1	1	18.46	18.50	18.49	19.4
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	18.71	18.88	18.74	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	18.75	18.76	18.74	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	18.83	18.73	18.66	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	18.69	18.75	18.79	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	18.72	18.76	18.79	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	18.65	18.82	18.73	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	20.0
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	19.62	19.66	19.64	
40	PI/2 BPSK	1	108	19.57	19.65	19.59	20.0
40	PI/2 BPSK	1	214	19.56	19.57	19.46	
40	PI/2 BPSK	108	0	19.52	19.51	19.53	
40	PI/2 BPSK	108	54	19.54	19.56	19.55	20.0
40	PI/2 BPSK	108	108	19.50	19.51	19.54	20.0
40	PI/2 BPSK	216	0	19.43	19.56	19.51	
40	QPSK	1	1	19.58	19.65	19.46	
40	QPSK	1	108	19.52	19.50	19.62	20.0
40	QPSK	1	214	19.61	19.51	19.62	
40	QPSK	108	0	19.52	19.60	19.63	
40	QPSK	108	54	19.54	19.51	19.53	20.0
40	QPSK	108	108	19.49	19.63	19.53	20.0
40	QPSK	216	0	19.55	19.53	19.54	
40	16QAM	1	1	19.57	19.56	19.62	
40	64QAM	1	1	19.47	19.52	19.59	20.0
40	256QAM	1	1	19.41	19.38	19.42	20.0
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	19.58	19.58	19.50	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	19.50	19.58	19.46	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	19.60	19.52	19.54	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	19.44	19.54	19.58	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	19.44	19.49	19.48	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	19.48	19.61	19.44	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	22.7
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.18	22.20	22.18	
40	PI/2 BPSK	1	108	22.17	22.16	22.14	22.7
40	PI/2 BPSK	1	214	21.90	21.97	21.92	
40	PI/2 BPSK	108	0	22.04	22.07	22.11	
40	PI/2 BPSK	108	54	22.09	22.10	22.15	22.7
40	PI/2 BPSK	108	108	21.99	22.09	22.03	22.7
40	PI/2 BPSK	216	0	21.86	22.01	22.00	
40	QPSK	1	1	22.12	22.08	22.12	
40	QPSK	1	108	21.98	22.00	22.02	22.7
40	QPSK	1	214	21.87	21.95	21.96	
40	QPSK	108	0	22.06	22.06	22.11	
40	QPSK	108	54	21.89	22.03	22.04	22.7
40	QPSK	108	108	22.08	22.04	22.04	22.7
40	QPSK	216	0	21.91	22.00	21.98	
40	16QAM	1	1	22.08	22.04	22.10	
40	64QAM	1	1	21.52	21.77	21.60	22.7
40	256QAM	1	1	19.75	19.87	19.94	21.1
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.07	21.93	22.09	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	21.96	21.97	22.14	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.03	21.98	22.06	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.13	21.99	22.11	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.02	22.05	22.02	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.99	22.20	22.08	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		24.45		
15	PI/2 BPSK	1	40		24.31		25.6
15	PI/2 BPSK	1	77		24.35		
15	PI/2 BPSK	36	0		23.86		
15	PI/2 BPSK	36	22		24.39		25.6
15	PI/2 BPSK	36	43		23.89		25.1
15	PI/2 BPSK	75	0		23.92		
15	QPSK	1	1		24.43		
15	QPSK	1	40		24.33		25.6
15	QPSK	1	77		24.36		
15	QPSK	36	0		23.39		
15	QPSK	36	22		24.42		24.6
15	QPSK	36	43		23.38		25.6
15	QPSK	75	0		23.40		
15	16QAM	1	1		23.51		
15	64QAM	1	1		21.96		24.6
15	256QAM	1	1		20.03		23.1
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	24.42	24.35	24.27	
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	24.26	24.29	24.26	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		17.53		
15	PI/2 BPSK	1	40		17.46		17.8
15	PI/2 BPSK	1	77		17.37		
15	PI/2 BPSK	36	0		17.44		
15	PI/2 BPSK	36	22		17.38		17.8
15	PI/2 BPSK	36	43		17.33		17.8
15	PI/2 BPSK	75	0		17.40		
15	QPSK	1	1		17.51		
15	QPSK	1	40		17.35		17.8
15	QPSK	1	77		17.41		
15	QPSK	36	0		17.39		
15	QPSK	36	22		17.41		17.8
15	QPSK	36	43		17.37		17.8
15	QPSK	75	0		17.42		
15	16QAM	1	1		17.43		
15	64QAM	1	1		17.40		17.8
15	256QAM	1	1		17.42		17.8
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	17.40	17.46	17.37	
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	17.46	17.50	17.43	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		18.94		19.2
15	PI/2 BPSK	1	40		18.87		
15	PI/2 BPSK	1	77		18.72		
15	PI/2 BPSK	36	0		18.75		19.2
15	PI/2 BPSK	36	22		18.84		19.2
15	PI/2 BPSK	36	43		18.72		19.2
15	PI/2 BPSK	75	0		18.76		
15	QPSK	1	1		18.86		19.2
15	QPSK	1	40		18.78		
15	QPSK	1	77		18.75		
15	QPSK	36	0		18.89		19.2
15	QPSK	36	22		18.77		19.2
15	QPSK	36	43		18.88		19.2
15	QPSK	75	0		18.82		
15	16QAM	1	1		18.83		19.2
15	64QAM	1	1		18.79		19.2
15	256QAM	1	1		18.88		19.2
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	18.78	18.72	18.89	19.2
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	18.83	18.85	18.77	19.2

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		18.89		19.7
15	PI/2 BPSK	1	40		18.77		
15	PI/2 BPSK	1	77		18.75		
15	PI/2 BPSK	36	0		18.80		19.7
15	PI/2 BPSK	36	22		18.81		19.7
15	PI/2 BPSK	36	43		18.75		19.7
15	PI/2 BPSK	75	0		18.76		
15	QPSK	1	1		18.79		19.7
15	QPSK	1	40		18.68		
15	QPSK	1	77		18.63		
15	QPSK	36	0		18.79		19.7
15	QPSK	36	22		18.67		19.7
15	QPSK	36	43		18.69		19.7
15	QPSK	75	0		18.82		
15	16QAM	1	1		18.72		19.7
15	64QAM	1	1		18.63		19.7
15	256QAM	1	1		18.57		19.7
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	18.71	18.65	18.77	19.7
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	18.73	18.72	18.80	19.7

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		18.94		20.0
15	PI/2 BPSK	1	40		18.87		
15	PI/2 BPSK	1	77		18.72		
15	PI/2 BPSK	36	0		18.75		20.0
15	PI/2 BPSK	36	22		18.84		20.0
15	PI/2 BPSK	36	43		18.72		20.0
15	PI/2 BPSK	75	0		18.76		
15	QPSK	1	1		18.86		20.0
15	QPSK	1	40		18.78		
15	QPSK	1	77		18.75		
15	QPSK	36	0		18.89		20.0
15	QPSK	36	22		18.77		20.0
15	QPSK	36	43		18.88		20.0
15	QPSK	75	0		18.82		
15	16QAM	1	1		18.83		20.0
15	64QAM	1	1		18.79		20.0
15	256QAM	1	1		18.88		20.0
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	18.78	18.72	18.89	20.0
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	18.83	18.85	18.77	20.0

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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)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		20.42		21.8
15	PI/2 BPSK	1	40		20.32		
15	PI/2 BPSK	1	77		20.26		
15	PI/2 BPSK	36	0		20.36		21.8
15	PI/2 BPSK	36	22		20.37		21.8
15	PI/2 BPSK	36	43		20.30		21.8
15	PI/2 BPSK	75	0		20.22		
15	QPSK	1	1		20.37		21.8
15	QPSK	1	40		20.25		
15	QPSK	1	77		20.23		
15	QPSK	36	0		20.41		21.8
15	QPSK	36	22		20.23		21.8
15	QPSK	36	43		20.23		21.8
15	QPSK	75	0		20.35		
15	16QAM	1	1		20.30		21.8
15	64QAM	1	1		20.21		21.8
15	256QAM	1	1		20.13		21.1
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	20.30	20.24	20.32	21.8
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	20.24	20.22	20.33	21.8

<FR1 n70_Ant 2_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		18.94		19.2
15	PI/2 BPSK	1	40		18.87		
15	PI/2 BPSK	1	77		18.72		
15	PI/2 BPSK	36	0		18.75		19.2
15	PI/2 BPSK	36	22		18.84		19.2
15	PI/2 BPSK	36	43		18.72		19.2
15	PI/2 BPSK	75	0		18.76		
15	QPSK	1	1		18.86		19.2
15	QPSK	1	40		18.78		
15	QPSK	1	77		18.75		
15	QPSK	36	0		18.89		19.2
15	QPSK	36	22		18.77		19.2
15	QPSK	36	43		18.88		19.2
15	QPSK	75	0		18.82		
15	16QAM	1	1		18.83		19.2
15	64QAM	1	1		18.79		19.2
15	256QAM	1	1		18.88		19.2
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	18.78	18.72	18.89	19.2
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	18.83	18.85	18.77	19.2

<FR1 n70_Ant 1_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		20.42		21.0
15	PI/2 BPSK	1	40		20.32		
15	PI/2 BPSK	1	77		20.26		
15	PI/2 BPSK	36	0		20.36		21.0
15	PI/2 BPSK	36	22		20.37		21.0
15	PI/2 BPSK	36	43		20.30		21.0
15	PI/2 BPSK	75	0		20.22		
15	QPSK	1	1		20.37		21.0
15	QPSK	1	40		20.25		
15	QPSK	1	77		20.23		
15	QPSK	36	0		20.41		21.0
15	QPSK	36	22		20.23		21.0
15	QPSK	36	43		20.23		21.0
15	QPSK	75	0		20.35		
15	16QAM	1	1		20.30		21.0
15	64QAM	1	1		20.21		21.0
15	256QAM	1	1		20.13		21.0
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	20.30	20.24	20.32	21.0
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	20.24	20.22	20.33	21.0



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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)
Channel				134600	136100	137600	25.7
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.15	24.12	24.10	
20	PI/2 BPSK	1	53	24.03	24.10	24.05	25.2
20	PI/2 BPSK	1	104	23.96	23.93	23.89	
20	PI/2 BPSK	50	0	23.36	23.41	23.32	
20	PI/2 BPSK	50	28	23.90	23.95	23.92	25.2
20	PI/2 BPSK	50	56	23.38	23.41	23.35	
20	PI/2 BPSK	100	0	23.41	23.48	23.45	
20	QPSK	1	1	23.95	23.95	23.91	25.7
20	QPSK	1	53	23.85	23.91	23.79	
20	QPSK	1	104	23.88	23.87	23.85	
20	QPSK	50	0	23.38	23.41	23.39	24.7
20	QPSK	50	28	23.84	23.89	23.82	25.7
20	QPSK	50	56	23.35	23.37	23.27	24.7
20	QPSK	100	0	23.08	23.06	23.02	
20	16QAM	1	1	22.91	22.95	22.85	
20	64QAM	1	1	21.26	21.27	21.37	23.2
20	256QAM	1	1	19.38	19.41	19.29	21.2
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.98	24.11	23.94	25.7
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.01	24.01	23.92	25.7
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.09	24.05	24.06	25.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	22.35	22.33	22.26	
20	PI/2 BPSK	1	53	22.25	22.16	22.17	23.0
20	PI/2 BPSK	1	104	22.28	22.33	22.15	
20	PI/2 BPSK	50	0	22.34	22.27	22.15	
20	PI/2 BPSK	50	28	22.25	22.26	22.08	23.0
20	PI/2 BPSK	50	56	22.33	22.23	22.12	23.0
20	PI/2 BPSK	100	0	22.31	22.19	22.23	
20	QPSK	1	1	22.24	22.19	22.16	
20	QPSK	1	53	22.17	22.25	22.06	23.0
20	QPSK	1	104	22.30	22.25	22.10	
20	QPSK	50	0	22.27	22.29	22.14	
20	QPSK	50	28	22.23	22.25	22.09	23.0
20	QPSK	50	56	22.31	22.20	22.15	23.0
20	QPSK	100	0	22.30	22.30	22.12	
20	16QAM	1	1	22.26	22.18	22.13	
20	64QAM	1	1	21.69	21.65	21.62	23.0
20	256QAM	1	1	19.72	19.68	19.64	21.2
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	22.30	22.30	22.22	
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	22.17	22.14	22.19	
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	22.33	22.32	22.26	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	25.7
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.15	24.12	24.10	
20	PI/2 BPSK	1	53	24.03	24.10	24.05	25.2
20	PI/2 BPSK	1	104	23.96	23.93	23.89	
20	PI/2 BPSK	50	0	23.36	23.41	23.32	
20	PI/2 BPSK	50	28	23.90	23.95	23.92	25.2
20	PI/2 BPSK	50	56	23.38	23.41	23.35	
20	PI/2 BPSK	100	0	23.41	23.48	23.45	
20	QPSK	1	1	23.95	23.95	23.91	25.7
20	QPSK	1	53	23.85	23.91	23.79	
20	QPSK	1	104	23.88	23.87	23.85	
20	QPSK	50	0	23.38	23.41	23.39	24.7
20	QPSK	50	28	23.84	23.89	23.82	25.7
20	QPSK	50	56	23.35	23.37	23.27	24.7
20	QPSK	100	0	23.08	23.06	23.02	
20	16QAM	1	1	22.91	22.95	22.85	
20	64QAM	1	1	21.26	21.27	21.37	23.2
20	256QAM	1	1	19.38	19.41	19.29	21.2
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.98	24.11	23.94	25.7
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.01	24.01	23.92	25.7
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.09	24.05	24.06	25.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	25.7
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.08	24.04	24.07	
20	PI/2 BPSK	1	53	23.98	23.96	23.90	25.2
20	PI/2 BPSK	1	104	23.94	23.92	23.93	
20	PI/2 BPSK	50	0	23.48	23.46	23.47	
20	PI/2 BPSK	50	28	23.93	23.93	23.89	25.2
20	PI/2 BPSK	50	56	23.45	23.45	23.38	
20	PI/2 BPSK	100	0	23.41	23.43	23.45	
20	QPSK	1	1	24.04	24.03	24.05	25.7
20	QPSK	1	53	23.92	23.98	23.92	
20	QPSK	1	104	23.94	23.95	23.90	
20	QPSK	50	0	22.91	22.97	22.92	24.7
20	QPSK	50	28	23.95	23.95	23.90	25.7
20	QPSK	50	56	22.92	22.94	22.91	24.7
20	QPSK	100	0	22.96	22.99	23.02	
20	16QAM	1	1	23.02	23.02	22.96	
20	64QAM	1	1	21.45	21.48	21.43	23.2
20	256QAM	1	1	19.58	19.59	19.52	21.2
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.04	23.98	23.99	25.7
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.00	23.95	23.87	25.7
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.98	23.84	23.87	25.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	25.7
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.15	24.12	24.10	
20	PI/2 BPSK	1	53	24.03	24.10	24.05	25.2
20	PI/2 BPSK	1	104	23.96	23.93	23.89	
20	PI/2 BPSK	50	0	23.36	23.41	23.32	
20	PI/2 BPSK	50	28	23.90	23.95	23.92	25.2
20	PI/2 BPSK	50	56	23.38	23.41	23.35	
20	PI/2 BPSK	100	0	23.41	23.48	23.45	
20	QPSK	1	1	23.95	23.95	23.91	25.7
20	QPSK	1	53	23.85	23.91	23.79	
20	QPSK	1	104	23.88	23.87	23.85	
20	QPSK	50	0	23.38	23.41	23.39	24.7
20	QPSK	50	28	23.84	23.89	23.82	25.7
20	QPSK	50	56	23.35	23.37	23.27	24.7
20	QPSK	100	0	23.08	23.06	23.02	
20	16QAM	1	1	22.91	22.95	22.85	
20	64QAM	1	1	21.26	21.27	21.37	23.2
20	256QAM	1	1	19.38	19.41	19.29	21.2
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.98	24.11	23.94	25.7
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.01	24.01	23.92	25.7
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.09	24.05	24.06	25.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.08	24.04	24.07	
20	PI/2 BPSK	1	53	23.98	23.96	23.90	25.7
20	PI/2 BPSK	1	104	23.94	23.92	23.93	
20	PI/2 BPSK	50	0	23.48	23.46	23.47	
20	PI/2 BPSK	50	28	23.93	23.93	23.89	25.2
20	PI/2 BPSK	50	56	23.45	23.45	23.38	25.7
20	PI/2 BPSK	100	0	23.41	23.43	23.45	
20	QPSK	1	1	24.04	24.03	24.05	
20	QPSK	1	53	23.92	23.98	23.92	25.7
20	QPSK	1	104	23.94	23.95	23.90	
20	QPSK	50	0	22.91	22.97	22.92	
20	QPSK	50	28	23.95	23.95	23.90	24.7
20	QPSK	50	56	22.92	22.94	22.91	25.7
20	QPSK	100	0	22.96	22.99	23.02	
20	16QAM	1	1	23.02	23.02	22.96	
20	64QAM	1	1	21.45	21.48	21.43	24.7
20	256QAM	1	1	19.58	19.59	19.52	23.2
Channel				134100	136100	138100	21.2
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.04	23.98	23.99	
Channel				133600	136100	138600	25.7
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.00	23.95	23.87	
Channel				133100	136100	139100	25.7
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.98	23.84	23.87	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.15	24.12	24.10	
20	PI/2 BPSK	1	53	24.03	24.10	24.05	25.7
20	PI/2 BPSK	1	104	23.96	23.93	23.89	
20	PI/2 BPSK	50	0	23.36	23.41	23.32	
20	PI/2 BPSK	50	28	23.90	23.95	23.92	25.2
20	PI/2 BPSK	50	56	23.38	23.41	23.35	25.7
20	PI/2 BPSK	100	0	23.41	23.48	23.45	
20	QPSK	1	1	23.95	23.95	23.91	
20	QPSK	1	53	23.85	23.91	23.79	25.7
20	QPSK	1	104	23.88	23.87	23.85	
20	QPSK	50	0	23.38	23.41	23.39	
20	QPSK	50	28	23.84	23.89	23.82	24.7
20	QPSK	50	56	23.35	23.37	23.27	25.7
20	QPSK	100	0	23.08	23.06	23.02	
20	16QAM	1	1	22.91	22.95	22.85	
20	64QAM	1	1	21.26	21.27	21.37	24.7
20	256QAM	1	1	19.38	19.41	19.29	23.2
Channel				134100	136100	138100	21.2
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.98	24.11	23.94	
Channel				133600	136100	138600	25.7
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.01	24.01	23.92	
Channel				133100	136100	139100	25.7
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.09	24.05	24.06	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	25.7
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.08	24.04	24.07	
20	PI/2 BPSK	1	53	23.98	23.96	23.90	25.2
20	PI/2 BPSK	1	104	23.94	23.92	23.93	
20	PI/2 BPSK	50	0	23.48	23.46	23.47	
20	PI/2 BPSK	50	28	23.93	23.93	23.89	25.2
20	PI/2 BPSK	50	56	23.45	23.45	23.38	
20	PI/2 BPSK	100	0	23.41	23.43	23.45	
20	QPSK	1	1	24.04	24.03	24.05	25.7
20	QPSK	1	53	23.92	23.98	23.92	
20	QPSK	1	104	23.94	23.95	23.90	
20	QPSK	50	0	22.91	22.97	22.92	24.7
20	QPSK	50	28	23.95	23.95	23.90	25.7
20	QPSK	50	56	22.92	22.94	22.91	24.7
20	QPSK	100	0	22.96	22.99	23.02	
20	16QAM	1	1	23.02	23.02	22.96	
20	64QAM	1	1	21.45	21.48	21.43	23.2
20	256QAM	1	1	19.58	19.59	19.52	21.2
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.04	23.98	23.99	25.7
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.00	23.95	23.87	25.7
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.98	23.84	23.87	25.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	25.1
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.01	23.99	24.11	
100	PI/2 BPSK	1	137	23.78	23.78	23.82	24.6
100	PI/2 BPSK	1	271	23.87	23.94	24.02	
100	PI/2 BPSK	135	0	23.21	23.26	23.34	
100	PI/2 BPSK	135	69	23.82	23.82	23.84	25.1
100	PI/2 BPSK	135	138	23.33	23.31	23.36	
100	PI/2 BPSK	270	0	23.34	23.32	23.41	
100	QPSK	1	1	23.87	23.93	23.98	24.6
100	QPSK	1	137	23.71	23.74	23.79	
100	QPSK	1	271	23.84	23.92	24.01	
100	QPSK	135	0	22.72	22.77	22.83	25.1
100	QPSK	135	69	23.70	23.77	23.81	
100	QPSK	135	138	22.82	22.83	22.89	
100	QPSK	270	0	22.77	22.83	22.87	24.1
100	16QAM	1	1	22.87	22.91	22.94	
100	64QAM	1	1	21.33	21.41	21.44	
100	256QAM	1	1	19.60	19.63	19.66	20.6
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.83	23.83	23.91	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.95	23.99	24.04	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.92	23.83	24.04	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.91	23.79	23.93	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.98	23.83	24.04	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.97	23.83	23.98	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.99	23.80	24.00	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.97	23.95	24.10	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.98	23.96	23.96	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.88	23.87	24.07	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.94	23.98	24.06	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	14.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	13.73	13.77	13.94	
100	PI/2 BPSK	1	137	13.63	13.68	13.78	14.0
100	PI/2 BPSK	1	271	13.67	13.60	13.86	
100	PI/2 BPSK	135	0	13.67	13.65	13.79	
100	PI/2 BPSK	135	69	13.69	13.70	13.93	14.0
100	PI/2 BPSK	135	138	13.68	13.65	13.91	14.0
100	PI/2 BPSK	270	0	13.66	13.67	13.79	
100	QPSK	1	1	13.67	13.59	13.77	
100	QPSK	1	137	13.55	13.64	13.75	14.0
100	QPSK	1	271	13.59	13.70	13.92	
100	QPSK	135	0	13.64	13.66	13.75	
100	QPSK	135	69	13.55	13.71	13.93	14.0
100	QPSK	135	138	13.69	13.75	13.91	14.0
100	QPSK	270	0	13.58	13.63	13.86	
100	16QAM	1	1	13.57	13.70	13.78	
100	64QAM	1	1	13.63	13.58	13.77	14.0
100	256QAM	1	1	13.62	13.76	13.77	14.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	13.54	13.76	13.88	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	13.72	13.59	13.76	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	13.60	13.70	13.79	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	13.70	13.69	13.85	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	13.66	13.69	13.79	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	13.68	13.59	13.92	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	13.70	13.62	13.79	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	13.59	13.61	13.75	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	13.71	13.65	13.91	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	13.53	13.67	13.84	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	13.54	13.76	13.76	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	25.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.46	24.53	24.41	
100	PI/2 BPSK	1	137	24.10	24.23	24.11	24.5
100	PI/2 BPSK	1	271	24.27	24.41	24.19	
100	PI/2 BPSK	135	0	23.63	23.79	23.62	
100	PI/2 BPSK	135	69	24.16	24.27	24.11	24.5
100	PI/2 BPSK	135	138	23.69	23.82	23.64	
100	PI/2 BPSK	270	0	23.58	23.71	23.51	
100	QPSK	1	1	24.38	24.48	24.31	25.0
100	QPSK	1	137	24.08	24.19	23.99	
100	QPSK	1	271	24.30	24.40	24.21	
100	QPSK	135	0	23.06	23.22	23.05	24.0
100	QPSK	135	69	24.07	24.20	24.04	
100	QPSK	135	138	23.20	23.27	23.06	
100	QPSK	270	0	23.15	23.29	23.08	24.0
100	16QAM	1	1	23.36	23.47	23.29	
100	64QAM	1	1	21.94	22.01	21.81	
100	256QAM	1	1	20.02	20.16	20.00	20.5
Channel				649668	656000	662332	25.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.39	24.46	24.29	
Channel				649334	656000	662666	25.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.27	24.50	24.21	
Channel				649000	656000	663000	25.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.37	24.35	24.40	
Channel				648668	656000	663332	25.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.33	24.49	24.27	
Channel				648334	656000	663666	25.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.31	24.42	24.25	
Channel				648000	656000	664000	25.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.44	24.35	24.28	
Channel				647668	656000	664332	25.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.39	24.39	24.26	
Channel				647500	656000	664500	25.0
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	24.39	24.49	24.26	
Channel				647334	656000	664666	25.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.40	24.37	24.21	
Channel				647168	656000	664832	25.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.35	24.40	24.27	
Channel				647000	656000	665000	25.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.43	24.46	24.21	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.61	22.71	22.73	
100	PI/2 BPSK	1	137	22.23	22.41	22.39	23.6
100	PI/2 BPSK	1	271	22.49	22.61	22.63	
100	PI/2 BPSK	135	0	22.38	22.48	22.46	
100	PI/2 BPSK	135	69	22.19	22.37	22.39	23.6
100	PI/2 BPSK	135	138	22.41	22.51	22.53	23.6
100	PI/2 BPSK	270	0	22.32	22.45	22.38	
100	QPSK	1	1	22.44	22.63	22.64	
100	QPSK	1	137	22.17	22.35	22.31	23.6
100	QPSK	1	271	22.50	22.69	22.62	
100	QPSK	135	0	22.28	22.42	22.43	
100	QPSK	135	69	22.32	22.42	22.42	23.6
100	QPSK	135	138	22.30	22.49	22.43	23.6
100	QPSK	270	0	22.26	22.45	22.46	
100	16QAM	1	1	22.38	22.57	22.51	
100	64QAM	1	1	21.35	21.54	21.54	22.5
100	256QAM	1	1	19.64	19.76	19.71	20.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.59	22.70	22.68	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.45	22.63	22.64	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.47	22.58	22.64	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.46	22.71	22.69	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.47	22.64	22.60	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.59	22.70	22.69	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	22.42	22.62	22.62	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	22.44	22.53	22.57	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.55	22.55	22.58	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.58	22.66	22.71	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.54	22.60	22.72	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	20.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.79	19.71	19.89	
100	PI/2 BPSK	1	137	19.62	19.70	19.81	20.0
100	PI/2 BPSK	1	271	19.62	19.66	19.87	
100	PI/2 BPSK	135	0	19.70	19.59	19.71	
100	PI/2 BPSK	135	69	19.72	19.63	19.84	20.0
100	PI/2 BPSK	135	138	19.64	19.51	19.81	20.0
100	PI/2 BPSK	270	0	19.70	19.66	19.70	
100	QPSK	1	1	19.67	19.66	19.87	
100	QPSK	1	137	19.60	19.65	19.74	20.0
100	QPSK	1	271	19.77	19.59	19.78	
100	QPSK	135	0	19.76	19.67	19.82	
100	QPSK	135	69	19.75	19.60	19.70	20.0
100	QPSK	135	138	19.74	19.66	19.82	20.0
100	QPSK	270	0	19.76	19.63	19.81	
100	16QAM	1	1	19.75	19.70	19.84	
100	64QAM	1	1	19.61	19.67	19.72	20.0
100	256QAM	1	1	19.62	19.62	19.70	20.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.69	19.57	19.84	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.62	19.63	19.83	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.69	19.60	19.74	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.66	19.51	19.85	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.60	19.61	19.86	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.61	19.53	19.70	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.66	19.57	19.87	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	19.78	19.55	19.81	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.78	19.56	19.78	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.70	19.66	19.82	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.65	19.55	19.78	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	19.3
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	18.28	18.42	18.67	
100	PI/2 BPSK	1	137	18.14	18.20	18.52	19.3
100	PI/2 BPSK	1	271	18.20	18.26	18.63	
100	PI/2 BPSK	135	0	18.29	18.14	18.44	
100	PI/2 BPSK	135	69	18.26	18.27	18.52	19.3
100	PI/2 BPSK	135	138	18.30	18.17	18.40	19.3
100	PI/2 BPSK	270	0	18.06	18.21	18.48	
100	QPSK	1	1	18.07	18.36	18.50	
100	QPSK	1	137	18.31	18.34	18.60	19.3
100	QPSK	1	271	18.19	18.24	18.39	
100	QPSK	135	0	18.27	18.12	18.24	
100	QPSK	135	69	18.20	18.28	18.28	19.3
100	QPSK	135	138	18.26	18.10	18.21	19.3
100	QPSK	270	0	18.31	18.23	18.22	
100	16QAM	1	1	18.22	18.33	18.10	
100	64QAM	1	1	18.26	18.20	18.29	19.3
100	256QAM	1	1	18.20	18.25	17.99	19.3
Channel				649668	656000	662332	19.3
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	18.22	18.39	18.44	
Channel				649334	656000	662666	19.3
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	18.36	18.14	18.35	
Channel				649000	656000	663000	19.3
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	18.23	18.32	18.44	
Channel				648668	656000	663332	19.3
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	18.28	18.25	18.59	
Channel				648334	656000	663666	19.3
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	18.11	18.18	18.43	
Channel				648000	656000	664000	19.3
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	18.22	18.26	18.37	
Channel				647668	656000	664332	19.3
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	18.16	18.26	18.47	
Channel				647500	656000	664500	19.3
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	18.23	18.24	18.53	
Channel				647334	656000	664666	19.3
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	18.20	18.24	18.45	
Channel				647168	656000	664832	19.3
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	18.33	18.14	18.52	
Channel				647000	656000	665000	19.3
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	18.28	18.17	18.49	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	20.3
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.22	20.24	20.20	
100	PI/2 BPSK	1	137	20.04	20.08	20.02	20.3
100	PI/2 BPSK	1	271	20.16	20.14	20.03	
100	PI/2 BPSK	135	0	20.07	20.08	20.12	
100	PI/2 BPSK	135	69	20.13	20.14	20.13	20.3
100	PI/2 BPSK	135	138	20.09	20.07	20.07	20.3
100	PI/2 BPSK	270	0	20.03	20.14	20.11	
100	QPSK	1	1	20.06	20.14	20.16	
100	QPSK	1	137	20.21	20.18	20.14	20.3
100	QPSK	1	271	20.17	20.09	20.13	
100	QPSK	135	0	20.15	20.05	20.05	
100	QPSK	135	69	20.02	20.20	20.00	20.3
100	QPSK	135	138	20.12	20.12	20.06	20.3
100	QPSK	270	0	20.04	20.06	20.14	
100	16QAM	1	1	20.08	20.17	20.11	
100	64QAM	1	1	20.06	20.23	20.11	20.3
100	256QAM	1	1	20.17	20.22	20.16	20.3
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.09	20.08	20.19	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.12	20.16	20.01	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.18	20.19	20.19	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.03	20.05	20.11	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.06	20.11	20.12	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.03	20.22	20.03	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.06	20.10	20.10	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.12	20.13	20.17	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.09	20.23	20.13	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.12	20.11	20.17	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.02	20.04	20.19	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	22.1
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.79	21.85	21.81	
100	PI/2 BPSK	1	137	21.78	21.82	21.70	22.1
100	PI/2 BPSK	1	271	21.68	21.70	21.66	
100	PI/2 BPSK	135	0	21.68	21.70	21.73	
100	PI/2 BPSK	135	69	21.69	21.75	21.75	22.1
100	PI/2 BPSK	135	138	21.64	21.73	21.73	22.1
100	PI/2 BPSK	270	0	21.65	21.68	21.63	
100	QPSK	1	1	21.69	21.73	21.72	
100	QPSK	1	137	21.75	21.66	21.81	22.1
100	QPSK	1	271	21.79	21.74	21.64	
100	QPSK	135	0	21.64	21.74	21.76	
100	QPSK	135	69	21.59	21.79	21.69	22.1
100	QPSK	135	138	21.72	21.76	21.68	22.1
100	QPSK	270	0	21.74	21.74	21.77	
100	16QAM	1	1	21.70	21.74	21.80	
100	64QAM	1	1	21.35	21.37	21.30	22.1
100	256QAM	1	1	19.57	19.53	19.54	20.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.73	21.77	21.65	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.68	21.67	21.64	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.60	21.77	21.78	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.71	21.75	21.66	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.73	21.67	21.77	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.65	21.76	21.80	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.70	21.80	21.62	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	21.76	21.78	21.72	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.67	21.80	21.81	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.71	21.72	21.71	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.60	21.67	21.81	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	20.8
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.79	19.71	19.89	
100	PI/2 BPSK	1	137	19.62	19.70	19.81	20.8
100	PI/2 BPSK	1	271	19.62	19.66	19.87	
100	PI/2 BPSK	135	0	19.70	19.59	19.71	
100	PI/2 BPSK	135	69	19.72	19.63	19.84	20.8
100	PI/2 BPSK	135	138	19.64	19.51	19.81	20.8
100	PI/2 BPSK	270	0	19.70	19.66	19.70	
100	QPSK	1	1	19.67	19.66	19.87	
100	QPSK	1	137	19.60	19.65	19.74	20.8
100	QPSK	1	271	19.77	19.59	19.78	
100	QPSK	135	0	19.76	19.67	19.82	
100	QPSK	135	69	19.75	19.60	19.70	20.8
100	QPSK	135	138	19.74	19.66	19.82	20.8
100	QPSK	270	0	19.76	19.63	19.81	
100	16QAM	1	1	19.75	19.70	19.84	
100	64QAM	1	1	19.61	19.67	19.72	20.8
100	256QAM	1	1	19.62	19.62	19.70	20.6
Channel				649668	656000	662332	20.8
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.69	19.57	19.84	
Channel				649334	656000	662666	20.8
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.62	19.63	19.83	
Channel				649000	656000	663000	20.8
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.69	19.60	19.74	
Channel				648668	656000	663332	20.8
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.66	19.51	19.85	
Channel				648334	656000	663666	20.8
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.60	19.61	19.86	
Channel				648000	656000	664000	20.8
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.61	19.53	19.70	
Channel				647668	656000	664332	20.8
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.66	19.57	19.87	
Channel				647500	656000	664500	20.8
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	19.78	19.55	19.81	
Channel				647334	656000	664666	20.8
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.78	19.56	19.78	
Channel				647168	656000	664832	20.8
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.70	19.66	19.82	
Channel				647000	656000	665000	20.8
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.65	19.55	19.78	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	22.1
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.34	20.42	20.67	
100	PI/2 BPSK	1	137	20.20	20.28	20.59	22.1
100	PI/2 BPSK	1	271	20.21	20.27	20.66	
100	PI/2 BPSK	135	0	20.29	20.19	20.52	
100	PI/2 BPSK	135	69	20.34	20.27	20.61	22.1
100	PI/2 BPSK	135	138	20.31	20.24	20.42	22.1
100	PI/2 BPSK	270	0	20.15	20.27	20.57	
100	QPSK	1	1	20.14	20.37	20.54	
100	QPSK	1	137	20.32	20.43	20.60	22.1
100	QPSK	1	271	20.29	20.26	20.49	
100	QPSK	135	0	20.36	20.22	20.32	
100	QPSK	135	69	20.23	20.32	20.34	22.1
100	QPSK	135	138	20.36	20.11	20.27	22.1
100	QPSK	270	0	20.36	20.30	20.25	
100	16QAM	1	1	20.22	20.34	20.11	
100	64QAM	1	1	20.07	20.08	20.10	21.6
100	256QAM	1	1	18.27	18.32	18.09	19.6
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.22	20.42	20.49	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.36	20.15	20.45	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.28	20.35	20.53	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.36	20.27	20.60	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.19	20.18	20.44	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.27	20.35	20.46	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.21	20.31	20.50	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.28	20.27	20.56	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.24	20.30	20.45	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.38	20.24	20.61	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.30	20.27	20.58	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	21.5
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.22	20.24	20.20	
100	PI/2 BPSK	1	137	20.04	20.08	20.02	21.5
100	PI/2 BPSK	1	271	20.16	20.14	20.03	
100	PI/2 BPSK	135	0	20.07	20.08	20.12	
100	PI/2 BPSK	135	69	20.13	20.14	20.13	21.5
100	PI/2 BPSK	135	138	20.09	20.07	20.07	21.5
100	PI/2 BPSK	270	0	20.03	20.14	20.11	
100	QPSK	1	1	20.06	20.14	20.16	
100	QPSK	1	137	20.21	20.18	20.14	21.5
100	QPSK	1	271	20.17	20.09	20.13	
100	QPSK	135	0	20.15	20.05	20.05	
100	QPSK	135	69	20.02	20.20	20.00	21.5
100	QPSK	135	138	20.12	20.12	20.06	21.5
100	QPSK	270	0	20.04	20.06	20.14	
100	16QAM	1	1	20.08	20.17	20.11	
100	64QAM	1	1	20.06	20.23	20.11	21.5
100	256QAM	1	1	20.17	20.22	20.16	20.5
Channel				649668	656000	662332	21.5
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.09	20.08	20.19	
Channel				649334	656000	662666	21.5
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.12	20.16	20.01	
Channel				649000	656000	663000	21.5
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.18	20.19	20.19	
Channel				648668	656000	663332	21.5
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.03	20.05	20.11	
Channel				648334	656000	663666	21.5
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.06	20.11	20.12	
Channel				648000	656000	664000	21.5
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.03	20.22	20.03	
Channel				647668	656000	664332	21.5
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.06	20.10	20.10	
Channel				647500	656000	664500	21.5
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.12	20.13	20.17	
Channel				647334	656000	664666	21.5
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.09	20.23	20.13	
Channel				647168	656000	664832	21.5
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.12	20.11	20.17	
Channel				647000	656000	665000	21.5
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.02	20.04	20.19	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	22.9
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.79	21.85	21.81	
100	PI/2 BPSK	1	137	21.78	21.82	21.70	22.9
100	PI/2 BPSK	1	271	21.68	21.70	21.66	
100	PI/2 BPSK	135	0	21.68	21.70	21.73	
100	PI/2 BPSK	135	69	21.69	21.75	21.75	22.9
100	PI/2 BPSK	135	138	21.64	21.73	21.73	22.9
100	PI/2 BPSK	270	0	21.65	21.68	21.63	
100	QPSK	1	1	21.69	21.73	21.72	
100	QPSK	1	137	21.75	21.66	21.81	22.9
100	QPSK	1	271	21.79	21.74	21.64	
100	QPSK	135	0	21.64	21.74	21.76	
100	QPSK	135	69	21.59	21.79	21.69	22.9
100	QPSK	135	138	21.72	21.76	21.68	22.9
100	QPSK	270	0	21.74	21.74	21.77	
100	16QAM	1	1	21.70	21.74	21.80	
100	64QAM	1	1	21.35	21.37	21.30	22.5
100	256QAM	1	1	19.57	19.53	19.54	20.5
Channel				649668	656000	662332	22.9
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.73	21.77	21.65	
Channel				649334	656000	662666	22.9
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.68	21.67	21.64	
Channel				649000	656000	663000	22.9
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.60	21.77	21.78	
Channel				648668	656000	663332	22.9
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.71	21.75	21.66	
Channel				648334	656000	663666	22.9
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.73	21.67	21.77	
Channel				648000	656000	664000	22.9
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.65	21.76	21.80	
Channel				647668	656000	664332	22.9
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.70	21.80	21.62	
Channel				647500	656000	664500	22.9
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	21.76	21.78	21.72	
Channel				647334	656000	664666	22.9
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.67	21.80	21.81	
Channel				647168	656000	664832	22.9
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.71	21.72	21.71	
Channel				647000	656000	665000	22.9
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.60	21.67	21.81	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	20.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.79	19.71	19.89	
100	PI/2 BPSK	1	137	19.62	19.70	19.81	20.0
100	PI/2 BPSK	1	271	19.62	19.66	19.87	
100	PI/2 BPSK	135	0	19.70	19.59	19.71	
100	PI/2 BPSK	135	69	19.72	19.63	19.84	20.0
100	PI/2 BPSK	135	138	19.64	19.51	19.81	20.0
100	PI/2 BPSK	270	0	19.70	19.66	19.70	
100	QPSK	1	1	19.67	19.66	19.87	
100	QPSK	1	137	19.60	19.65	19.74	20.0
100	QPSK	1	271	19.77	19.59	19.78	
100	QPSK	135	0	19.76	19.67	19.82	
100	QPSK	135	69	19.75	19.60	19.70	20.0
100	QPSK	135	138	19.74	19.66	19.82	20.0
100	QPSK	270	0	19.76	19.63	19.81	
100	16QAM	1	1	19.75	19.70	19.84	
100	64QAM	1	1	19.61	19.67	19.72	20.0
100	256QAM	1	1	19.62	19.62	19.70	20.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.69	19.57	19.84	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.62	19.63	19.83	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.69	19.60	19.74	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.66	19.51	19.85	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.60	19.61	19.86	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.61	19.53	19.70	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.66	19.57	19.87	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	19.78	19.55	19.81	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.78	19.56	19.78	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.70	19.66	19.82	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.65	19.55	19.78	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	21.3
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.34	20.42	20.67	
100	PI/2 BPSK	1	137	20.20	20.28	20.59	21.3
100	PI/2 BPSK	1	271	20.21	20.27	20.66	
100	PI/2 BPSK	135	0	20.29	20.19	20.52	
100	PI/2 BPSK	135	69	20.34	20.27	20.61	21.3
100	PI/2 BPSK	135	138	20.31	20.24	20.42	21.3
100	PI/2 BPSK	270	0	20.15	20.27	20.57	
100	QPSK	1	1	20.14	20.37	20.54	
100	QPSK	1	137	20.32	20.43	20.60	21.3
100	QPSK	1	271	20.29	20.26	20.49	
100	QPSK	135	0	20.36	20.22	20.32	
100	QPSK	135	69	20.23	20.32	20.34	21.3
100	QPSK	135	138	20.36	20.11	20.27	21.3
100	QPSK	270	0	20.36	20.30	20.25	
100	16QAM	1	1	20.22	20.34	20.11	
100	64QAM	1	1	20.07	20.08	20.10	21.3
100	256QAM	1	1	18.27	18.32	18.09	19.6
Channel				649668	656000	662332	21.3
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.22	20.42	20.49	
Channel				649334	656000	662666	21.3
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.36	20.15	20.45	
Channel				649000	656000	663000	21.3
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.28	20.35	20.53	
Channel				648668	656000	663332	21.3
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.36	20.27	20.60	
Channel				648334	656000	663666	21.3
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.19	20.18	20.44	
Channel				648000	656000	664000	21.3
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.27	20.35	20.46	
Channel				647668	656000	664332	21.3
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.21	20.31	20.50	
Channel				647500	656000	664500	21.3
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.28	20.27	20.56	
Channel				647334	656000	664666	21.3
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.24	20.30	20.45	
Channel				647168	656000	664832	21.3
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.38	20.24	20.61	
Channel				647000	656000	665000	21.3
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.30	20.27	20.58	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	20.7
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.22	20.24	20.20	
100	PI/2 BPSK	1	137	20.04	20.08	20.02	20.7
100	PI/2 BPSK	1	271	20.16	20.14	20.03	
100	PI/2 BPSK	135	0	20.07	20.08	20.12	
100	PI/2 BPSK	135	69	20.13	20.14	20.13	20.7
100	PI/2 BPSK	135	138	20.09	20.07	20.07	20.7
100	PI/2 BPSK	270	0	20.03	20.14	20.11	
100	QPSK	1	1	20.06	20.14	20.16	
100	QPSK	1	137	20.21	20.18	20.14	20.7
100	QPSK	1	271	20.17	20.09	20.13	
100	QPSK	135	0	20.15	20.05	20.05	
100	QPSK	135	69	20.02	20.20	20.00	20.7
100	QPSK	135	138	20.12	20.12	20.06	20.7
100	QPSK	270	0	20.04	20.06	20.14	
100	16QAM	1	1	20.08	20.17	20.11	
100	64QAM	1	1	20.06	20.23	20.11	20.7
100	256QAM	1	1	20.17	20.22	20.16	20.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.09	20.08	20.19	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.12	20.16	20.01	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.18	20.19	20.19	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.03	20.05	20.11	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.06	20.11	20.12	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.03	20.22	20.03	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.06	20.10	20.10	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.12	20.13	20.17	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.09	20.23	20.13	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.12	20.11	20.17	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.02	20.04	20.19	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	22.1
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.79	21.85	21.81	
100	PI/2 BPSK	1	137	21.78	21.82	21.70	22.1
100	PI/2 BPSK	1	271	21.68	21.70	21.66	
100	PI/2 BPSK	135	0	21.68	21.70	21.73	
100	PI/2 BPSK	135	69	21.69	21.75	21.75	22.1
100	PI/2 BPSK	135	138	21.64	21.73	21.73	22.1
100	PI/2 BPSK	270	0	21.65	21.68	21.63	
100	QPSK	1	1	21.69	21.73	21.72	
100	QPSK	1	137	21.75	21.66	21.81	22.1
100	QPSK	1	271	21.79	21.74	21.64	
100	QPSK	135	0	21.64	21.74	21.76	
100	QPSK	135	69	21.59	21.79	21.69	22.1
100	QPSK	135	138	21.72	21.76	21.68	22.1
100	QPSK	270	0	21.74	21.74	21.77	
100	16QAM	1	1	21.70	21.74	21.80	
100	64QAM	1	1	21.35	21.37	21.30	22.1
100	256QAM	1	1	19.57	19.53	19.54	20.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.73	21.77	21.65	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.68	21.67	21.64	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.60	21.77	21.78	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.71	21.75	21.66	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.73	21.67	21.77	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.65	21.76	21.80	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.70	21.80	21.62	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	21.76	21.78	21.72	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.67	21.80	21.81	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.71	21.72	21.71	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.60	21.67	21.81	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	27.5
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	26.40	26.39	26.51	
100	PI/2 BPSK	1	137	26.32	26.36	26.43	27.0
100	PI/2 BPSK	1	271	26.30	26.38	26.41	
100	PI/2 BPSK	135	0	25.74	25.79	25.86	
100	PI/2 BPSK	135	69	26.29	26.37	26.43	27.0
100	PI/2 BPSK	135	138	25.83	25.92	25.98	
100	PI/2 BPSK	270	0	25.91	25.90	26.00	
100	QPSK	1	1	26.39	26.41	26.47	27.5
100	QPSK	1	137	26.31	26.32	26.34	
100	QPSK	1	271	26.34	26.36	26.43	
100	QPSK	135	0	25.22	25.26	25.28	26.5
100	QPSK	135	69	26.32	26.37	26.42	
100	QPSK	135	138	25.32	25.38	25.45	
100	QPSK	270	0	25.31	25.39	25.44	26.5
100	16QAM	1	1	25.35	25.40	25.46	
100	64QAM	1	1	23.84	23.88	23.96	
100	256QAM	1	1	22.13	22.16	22.18	23.0
Channel				649668	656000	662332	27.5
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	26.30	26.39	26.33	
Channel				649334	656000	662666	27.5
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	26.21	26.22	26.33	
Channel				649000	656000	663000	27.5
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	26.29	26.35	26.41	
Channel				648668	656000	663332	27.5
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	26.26	26.37	26.50	
Channel				648334	656000	663666	27.5
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	26.38	26.37	26.33	
Channel				648000	656000	664000	27.5
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	26.34	26.19	26.31	
Channel				647668	656000	664332	27.5
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	26.22	26.25	26.33	
Channel				647500	656000	664500	27.5
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	26.25	26.35	26.45	
Channel				647334	656000	664666	27.5
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	26.27	26.38	26.43	
Channel				647168	656000	664832	27.5
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	26.38	26.38	26.39	
Channel				647000	656000	665000	27.5
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	26.32	26.37	26.44	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	17.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	15.72	15.79	15.97	
100	PI/2 BPSK	1	137	15.69	15.61	15.88	17.0
100	PI/2 BPSK	1	271	15.66	15.65	15.83	
100	PI/2 BPSK	135	0	15.58	15.61	15.83	
100	PI/2 BPSK	135	69	15.69	15.78	15.85	17.0
100	PI/2 BPSK	135	138	15.65	15.74	15.80	17.0
100	PI/2 BPSK	270	0	15.63	15.66	15.94	
100	QPSK	1	1	15.60	15.79	15.95	
100	QPSK	1	137	15.69	15.72	15.94	17.0
100	QPSK	1	271	15.55	15.75	15.83	
100	QPSK	135	0	15.64	15.63	15.95	
100	QPSK	135	69	15.69	15.77	15.96	17.0
100	QPSK	135	138	15.62	15.59	15.87	17.0
100	QPSK	270	0	15.64	15.72	15.95	
100	16QAM	1	1	15.65	15.66	15.95	
100	64QAM	1	1	15.65	15.60	15.93	17.0
100	256QAM	1	1	15.68	15.60	15.81	17.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	15.71	15.69	15.88	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	15.58	15.71	15.83	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	15.70	15.60	15.78	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	15.52	15.77	15.88	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	15.53	15.69	15.90	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	15.64	15.74	15.78	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	15.52	15.75	15.96	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	15.52	15.77	15.86	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	15.59	15.71	15.85	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	15.71	15.64	15.86	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	15.57	15.63	15.93	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	26.2
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.63	25.70	25.61	
100	PI/2 BPSK	1	137	25.42	25.54	25.35	25.7
100	PI/2 BPSK	1	271	25.59	25.69	25.53	
100	PI/2 BPSK	135	0	24.61	24.78	24.63	
100	PI/2 BPSK	135	69	25.40	25.55	25.46	25.7
100	PI/2 BPSK	135	138	24.81	24.90	24.73	
100	PI/2 BPSK	270	0	24.72	24.89	24.75	
100	QPSK	1	1	25.56	25.68	25.55	26.2
100	QPSK	1	137	25.44	25.52	25.36	
100	QPSK	1	271	25.53	25.65	25.46	
100	QPSK	135	0	24.16	24.33	24.15	25.2
100	QPSK	135	69	25.43	25.56	25.47	
100	QPSK	135	138	24.28	24.40	24.27	
100	QPSK	270	0	24.25	24.39	24.25	25.2
100	16QAM	1	1	24.39	24.46	24.34	
100	64QAM	1	1	22.76	22.93	22.80	
100	256QAM	1	1	21.17	21.25	21.09	21.7
Channel				649668	656000	662332	26.2
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.55	25.67	25.49	
Channel				649334	656000	662666	26.2
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.56	25.51	25.55	
Channel				649000	656000	663000	26.2
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.50	25.59	25.48	
Channel				648668	656000	663332	26.2
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.47	25.53	25.54	
Channel				648334	656000	663666	26.2
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.60	25.68	25.57	
Channel				648000	656000	664000	26.2
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.53	25.50	25.43	
Channel				647668	656000	664332	26.2
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.44	25.56	25.50	
Channel				647500	656000	664500	26.2
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	25.45	25.58	25.45	
Channel				647334	656000	664666	26.2
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.62	25.64	25.42	
Channel				647168	656000	664832	26.2
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.51	25.50	25.55	
Channel				647000	656000	665000	26.2
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.51	25.51	25.56	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	26.2
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.39	25.49	25.42	
100	PI/2 BPSK	1	137	24.99	25.15	25.08	25.7
100	PI/2 BPSK	1	271	25.35	25.46	25.34	
100	PI/2 BPSK	135	0	24.27	24.45	24.29	
100	PI/2 BPSK	135	69	24.96	25.13	24.99	25.7
100	PI/2 BPSK	135	138	24.39	24.55	24.43	
100	PI/2 BPSK	270	0	24.40	24.50	24.38	
100	QPSK	1	1	25.24	25.35	25.20	26.2
100	QPSK	1	137	24.96	25.10	24.94	
100	QPSK	1	271	25.30	25.43	25.34	
100	QPSK	135	0	23.75	23.94	23.85	25.2
100	QPSK	135	69	25.00	25.13	24.97	
100	QPSK	135	138	23.87	24.04	23.90	
100	QPSK	270	0	23.87	23.97	23.88	23.7
100	16QAM	1	1	24.05	24.16	24.01	
100	64QAM	1	1	22.48	22.65	22.52	
100	256QAM	1	1	20.75	20.95	20.79	21.7
Channel				649668	656000	662332	26.2
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.30	25.41	25.25	
Channel				649334	656000	662666	26.2
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.27	25.43	25.39	
Channel				649000	656000	663000	26.2
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.38	25.41	25.32	
Channel				648668	656000	663332	26.2
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.19	25.48	25.41	
Channel				648334	656000	663666	26.2
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.34	25.45	25.26	
Channel				648000	656000	664000	26.2
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.25	25.42	25.36	
Channel				647668	656000	664332	26.2
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.38	25.41	25.39	
Channel				647500	656000	664500	26.2
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	25.31	25.48	25.28	
Channel				647334	656000	664666	26.2
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.25	25.48	25.26	
Channel				647168	656000	664832	26.2
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.21	25.40	25.29	
Channel				647000	656000	665000	26.2
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.35	25.40	25.37	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	23.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.88	22.69	22.79	
100	PI/2 BPSK	1	137	22.84	22.64	22.74	23.0
100	PI/2 BPSK	1	271	22.82	22.58	22.61	
100	PI/2 BPSK	135	0	22.68	22.66	22.61	
100	PI/2 BPSK	135	69	22.81	22.69	22.67	23.0
100	PI/2 BPSK	135	138	22.76	22.49	22.66	23.0
100	PI/2 BPSK	270	0	22.68	22.53	22.75	
100	QPSK	1	1	22.75	22.61	22.70	
100	QPSK	1	137	22.70	22.55	22.65	23.0
100	QPSK	1	271	22.84	22.52	22.71	
100	QPSK	135	0	22.84	22.53	22.70	
100	QPSK	135	69	22.71	22.54	22.73	23.0
100	QPSK	135	138	22.73	22.47	22.70	23.0
100	QPSK	270	0	22.76	22.50	22.63	
100	16QAM	1	1	22.84	22.54	22.75	
100	64QAM	1	1	22.71	22.64	22.73	23.0
100	256QAM	1	1	22.27	22.22	22.23	23.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.70	22.68	22.59	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.85	22.63	22.69	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.85	22.52	22.67	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.72	22.59	22.59	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.87	22.64	22.68	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.86	22.52	22.59	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	22.69	22.64	22.65	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	22.80	22.67	22.75	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.80	22.60	22.65	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.79	22.60	22.64	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.79	22.51	22.62	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	22.3
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.49	21.53	21.63	
100	PI/2 BPSK	1	137	21.44	21.50	21.55	22.3
100	PI/2 BPSK	1	271	21.49	21.42	21.57	
100	PI/2 BPSK	135	0	21.43	21.33	21.49	
100	PI/2 BPSK	135	69	21.46	21.46	21.62	22.3
100	PI/2 BPSK	135	138	21.43	21.39	21.31	22.3
100	PI/2 BPSK	270	0	21.44	21.54	21.39	
100	QPSK	1	1	21.52	21.49	21.58	
100	QPSK	1	137	21.36	21.40	21.62	22.3
100	QPSK	1	271	21.62	21.58	21.54	
100	QPSK	135	0	21.34	21.49	21.40	
100	QPSK	135	69	21.37	21.46	21.56	22.3
100	QPSK	135	138	21.54	21.56	21.42	22.3
100	QPSK	270	0	21.46	21.45	21.62	
100	16QAM	1	1	21.44	21.50	21.52	
100	64QAM	1	1	20.75	20.86	20.94	22.3
100	256QAM	1	1	20.72	20.96	21.07	22.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.38	21.37	21.47	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.38	21.59	21.52	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.39	21.42	21.58	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.41	21.49	21.53	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.42	21.57	21.55	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.34	21.54	21.47	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.46	21.53	21.44	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	21.42	21.52	21.51	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.34	21.41	21.50	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.34	21.44	21.55	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.38	21.56	21.58	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	23.3
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.30	23.22	23.16	
100	PI/2 BPSK	1	137	23.25	23.11	23.09	23.3
100	PI/2 BPSK	1	271	23.14	23.21	23.02	
100	PI/2 BPSK	135	0	23.24	23.15	22.96	
100	PI/2 BPSK	135	69	23.23	23.18	23.13	23.3
100	PI/2 BPSK	135	138	23.21	23.15	23.06	23.3
100	PI/2 BPSK	270	0	23.26	23.19	23.15	
100	QPSK	1	1	23.20	23.04	23.05	
100	QPSK	1	137	23.24	23.11	23.09	23.3
100	QPSK	1	271	23.17	23.22	23.10	
100	QPSK	135	0	23.25	23.10	23.07	
100	QPSK	135	69	23.29	23.11	23.00	23.3
100	QPSK	135	138	23.15	23.02	23.04	23.3
100	QPSK	270	0	23.22	23.12	23.10	
100	16QAM	1	1	23.21	23.19	23.16	
100	64QAM	1	1	22.75	22.73	22.68	23.3
100	256QAM	1	1	21.09	21.06	21.01	21.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.17	23.17	23.04	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.23	23.13	23.16	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.15	23.17	23.13	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.25	23.04	23.02	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.20	23.08	23.12	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.23	23.13	23.00	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.26	23.12	22.96	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.26	23.15	23.04	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.15	23.19	23.04	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.21	23.20	23.11	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.18	23.06	22.99	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	25.1
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.73	24.89	24.74	
100	PI/2 BPSK	1	137	24.30	24.35	24.33	25.1
100	PI/2 BPSK	1	271	24.71	24.80	24.61	
100	PI/2 BPSK	135	0	24.24	24.52	24.38	
100	PI/2 BPSK	135	69	24.38	24.62	24.44	25.1
100	PI/2 BPSK	135	138	24.32	24.61	24.53	25.1
100	PI/2 BPSK	270	0	24.41	24.42	24.41	
100	QPSK	1	1	24.64	24.74	24.48	
100	QPSK	1	137	24.27	24.33	24.14	25.1
100	QPSK	1	271	24.69	24.73	24.61	
100	QPSK	135	0	23.84	23.92	23.77	
100	QPSK	135	69	24.34	24.34	24.17	25.1
100	QPSK	135	138	23.86	23.97	23.99	25.1
100	QPSK	270	0	23.92	24.00	23.83	
100	16QAM	1	1	24.06	24.16	23.92	
100	64QAM	1	1	22.55	22.66	22.55	23.7
100	256QAM	1	1	20.72	20.86	20.86	21.7
Channel				649668	656000	662332	25.1
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.67	24.65	24.53	
Channel				649334	656000	662666	25.1
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.48	24.80	24.70	
Channel				649000	656000	663000	25.1
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.71	24.72	24.55	
Channel				648668	656000	663332	25.1
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.55	24.80	24.80	
Channel				648334	656000	663666	25.1
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.73	24.77	24.55	
Channel				648000	656000	664000	25.1
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.48	24.79	24.74	
Channel				647668	656000	664332	25.1
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.72	24.76	24.69	
Channel				647500	656000	664500	25.1
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	24.71	24.72	24.56	
Channel				647334	656000	664666	25.1
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.52	24.69	24.62	
Channel				647168	656000	664832	25.1
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.57	24.73	24.65	
Channel				647000	656000	665000	25.1
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.66	24.78	24.73	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	23.8
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.88	22.69	22.79	
100	PI/2 BPSK	1	137	22.84	22.64	22.74	23.8
100	PI/2 BPSK	1	271	22.82	22.58	22.61	
100	PI/2 BPSK	135	0	22.68	22.66	22.61	
100	PI/2 BPSK	135	69	22.81	22.69	22.67	23.8
100	PI/2 BPSK	135	138	22.76	22.49	22.66	23.8
100	PI/2 BPSK	270	0	22.68	22.53	22.75	
100	QPSK	1	1	22.75	22.61	22.70	
100	QPSK	1	137	22.70	22.55	22.65	23.8
100	QPSK	1	271	22.84	22.52	22.71	
100	QPSK	135	0	22.84	22.53	22.70	
100	QPSK	135	69	22.71	22.54	22.73	23.8
100	QPSK	135	138	22.73	22.47	22.70	23.8
100	QPSK	270	0	22.76	22.50	22.63	
100	16QAM	1	1	22.84	22.54	22.75	
100	64QAM	1	1	22.71	22.64	22.73	23.8
100	256QAM	1	1	22.27	22.22	22.23	23.0
Channel				649668	656000	662332	23.8
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.70	22.68	22.59	
Channel				649334	656000	662666	23.8
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.85	22.63	22.69	
Channel				649000	656000	663000	23.8
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.85	22.52	22.67	
Channel				648668	656000	663332	23.8
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.72	22.59	22.59	
Channel				648334	656000	663666	23.8
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.87	22.64	22.68	
Channel				648000	656000	664000	23.8
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.86	22.52	22.59	
Channel				647668	656000	664332	23.8
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	22.69	22.64	22.65	
Channel				647500	656000	664500	23.8
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	22.80	22.67	22.75	
Channel				647334	656000	664666	23.8
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.80	22.60	22.65	
Channel				647168	656000	664832	23.8
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.79	22.60	22.64	
Channel				647000	656000	665000	23.8
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.79	22.51	22.62	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	25.1
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.58	23.58	23.66	
100	PI/2 BPSK	1	137	23.44	23.52	23.61	25.1
100	PI/2 BPSK	1	271	23.56	23.51	23.62	
100	PI/2 BPSK	135	0	23.48	23.41	23.53	
100	PI/2 BPSK	135	69	23.51	23.51	23.62	25.1
100	PI/2 BPSK	135	138	23.50	23.42	23.41	25.1
100	PI/2 BPSK	270	0	23.47	23.56	23.46	
100	QPSK	1	1	23.56	23.50	23.64	
100	QPSK	1	137	23.43	23.50	23.63	25.1
100	QPSK	1	271	23.63	23.62	23.60	
100	QPSK	135	0	23.44	23.49	23.50	
100	QPSK	135	69	23.47	23.49	23.56	25.1
100	QPSK	135	138	23.62	23.63	23.50	25.1
100	QPSK	270	0	23.53	23.53	23.63	
100	16QAM	1	1	23.45	23.51	23.57	
100	64QAM	1	1	22.56	22.68	22.74	24.0
100	256QAM	1	1	20.74	20.97	21.08	22.0
Channel				649668	656000	662332	25.1
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.45	23.40	23.55	
Channel				649334	656000	662666	25.1
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.48	23.60	23.60	
Channel				649000	656000	663000	25.1
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.44	23.49	23.65	
Channel				648668	656000	663332	25.1
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.42	23.49	23.63	
Channel				648334	656000	663666	25.1
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.46	23.59	23.65	
Channel				648000	656000	664000	25.1
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.44	23.54	23.56	
Channel				647668	656000	664332	25.1
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.47	23.57	23.45	
Channel				647500	656000	664500	25.1
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.45	23.55	23.61	
Channel				647334	656000	664666	25.1
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.44	23.50	23.56	
Channel				647168	656000	664832	25.1
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.43	23.48	23.63	
Channel				647000	656000	665000	25.1
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.46	23.60	23.63	



<FR1 n77_HPUE_Ant 2_Index 10>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	24.5
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.30	23.22	23.16	
100	PI/2 BPSK	1	137	23.25	23.11	23.09	24.5
100	PI/2 BPSK	1	271	23.14	23.21	23.02	
100	PI/2 BPSK	135	0	23.24	23.15	22.96	
100	PI/2 BPSK	135	69	23.23	23.18	23.13	24.5
100	PI/2 BPSK	135	138	23.21	23.15	23.06	24.5
100	PI/2 BPSK	270	0	23.26	23.19	23.15	
100	QPSK	1	1	23.20	23.04	23.05	
100	QPSK	1	137	23.24	23.11	23.09	24.5
100	QPSK	1	271	23.17	23.22	23.10	
100	QPSK	135	0	23.25	23.10	23.07	
100	QPSK	135	69	23.29	23.11	23.00	24.5
100	QPSK	135	138	23.15	23.02	23.04	24.5
100	QPSK	270	0	23.22	23.12	23.10	
100	16QAM	1	1	23.21	23.19	23.16	
100	64QAM	1	1	22.75	22.73	22.68	23.7
100	256QAM	1	1	21.09	21.06	21.01	21.7
Channel				649668	656000	662332	24.5
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.17	23.17	23.04	
Channel				649334	656000	662666	24.5
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.23	23.13	23.16	
Channel				649000	656000	663000	24.5
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.15	23.17	23.13	
Channel				648668	656000	663332	24.5
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.25	23.04	23.02	
Channel				648334	656000	663666	24.5
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.20	23.08	23.12	
Channel				648000	656000	664000	24.5
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.23	23.13	23.00	
Channel				647668	656000	664332	24.5
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.26	23.12	22.96	
Channel				647500	656000	664500	24.5
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.26	23.15	23.04	
Channel				647334	656000	664666	24.5
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.15	23.19	23.04	
Channel				647168	656000	664832	24.5
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.21	23.20	23.11	
Channel				647000	656000	665000	24.5
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.18	23.06	22.99	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.73	24.89	24.74	
100	PI/2 BPSK	1	137	24.30	24.35	24.33	25.9
100	PI/2 BPSK	1	271	24.71	24.80	24.61	
100	PI/2 BPSK	135	0	24.24	24.52	24.38	25.7
100	PI/2 BPSK	135	69	24.38	24.62	24.44	25.9
100	PI/2 BPSK	135	138	24.32	24.61	24.53	25.7
100	PI/2 BPSK	270	0	24.41	24.42	24.41	
100	QPSK	1	1	24.64	24.74	24.48	25.9
100	QPSK	1	137	24.27	24.33	24.14	
100	QPSK	1	271	24.69	24.73	24.61	
100	QPSK	135	0	23.84	23.92	23.77	25.2
100	QPSK	135	69	24.34	24.34	24.17	25.9
100	QPSK	135	138	23.86	23.97	23.99	25.2
100	QPSK	270	0	23.92	24.00	23.83	
100	16QAM	1	1	24.06	24.16	23.92	25.2
100	64QAM	1	1	22.55	22.66	22.55	23.7
100	256QAM	1	1	20.72	20.86	20.86	21.7
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.67	24.65	24.53	25.9
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.48	24.80	24.70	25.9
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.71	24.72	24.55	25.9
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.55	24.80	24.80	25.9
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.73	24.77	24.55	25.9
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.48	24.79	24.74	25.9
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.72	24.76	24.69	25.9
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	24.71	24.72	24.56	25.9
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.52	24.69	24.62	25.9
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.57	24.73	24.65	25.9
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.66	24.78	24.73	25.9



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	23.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.88	22.69	22.79	
100	PI/2 BPSK	1	137	22.84	22.64	22.74	23.0
100	PI/2 BPSK	1	271	22.82	22.58	22.61	
100	PI/2 BPSK	135	0	22.68	22.66	22.61	
100	PI/2 BPSK	135	69	22.81	22.69	22.67	23.0
100	PI/2 BPSK	135	138	22.76	22.49	22.66	23.0
100	PI/2 BPSK	270	0	22.68	22.53	22.75	
100	QPSK	1	1	22.75	22.61	22.70	
100	QPSK	1	137	22.70	22.55	22.65	23.0
100	QPSK	1	271	22.84	22.52	22.71	
100	QPSK	135	0	22.84	22.53	22.70	
100	QPSK	135	69	22.71	22.54	22.73	23.0
100	QPSK	135	138	22.73	22.47	22.70	23.0
100	QPSK	270	0	22.76	22.50	22.63	
100	16QAM	1	1	22.84	22.54	22.75	
100	64QAM	1	1	22.71	22.64	22.73	23.0
100	256QAM	1	1	22.27	22.22	22.23	23.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.70	22.68	22.59	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.85	22.63	22.69	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.85	22.52	22.67	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.72	22.59	22.59	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.87	22.64	22.68	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.86	22.52	22.59	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	22.69	22.64	22.65	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	22.80	22.67	22.75	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.80	22.60	22.65	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.79	22.60	22.64	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.79	22.51	22.62	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	24.3
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.58	23.58	23.66	
100	PI/2 BPSK	1	137	23.44	23.52	23.61	24.3
100	PI/2 BPSK	1	271	23.56	23.51	23.62	
100	PI/2 BPSK	135	0	23.48	23.41	23.53	
100	PI/2 BPSK	135	69	23.51	23.51	23.62	24.3
100	PI/2 BPSK	135	138	23.50	23.42	23.41	24.3
100	PI/2 BPSK	270	0	23.47	23.56	23.46	
100	QPSK	1	1	23.56	23.50	23.64	
100	QPSK	1	137	23.43	23.50	23.63	24.3
100	QPSK	1	271	23.63	23.62	23.60	
100	QPSK	135	0	23.44	23.49	23.50	
100	QPSK	135	69	23.47	23.49	23.56	24.3
100	QPSK	135	138	23.62	23.63	23.50	24.3
100	QPSK	270	0	23.53	23.53	23.63	
100	16QAM	1	1	23.45	23.51	23.57	
100	64QAM	1	1	22.56	22.68	22.74	24.0
100	256QAM	1	1	20.74	20.97	21.08	22.0
Channel				649668	656000	662332	24.3
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.45	23.40	23.55	
Channel				649334	656000	662666	24.3
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.48	23.60	23.60	
Channel				649000	656000	663000	24.3
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.44	23.49	23.65	
Channel				648668	656000	663332	24.3
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.42	23.49	23.63	
Channel				648334	656000	663666	24.3
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.46	23.59	23.65	
Channel				648000	656000	664000	24.3
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.44	23.54	23.56	
Channel				647668	656000	664332	24.3
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.47	23.57	23.45	
Channel				647500	656000	664500	24.3
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.45	23.55	23.61	
Channel				647334	656000	664666	24.3
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.44	23.50	23.56	
Channel				647168	656000	664832	24.3
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.43	23.48	23.63	
Channel				647000	656000	665000	24.3
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.46	23.60	23.63	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	23.7
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.30	23.22	23.16	
100	PI/2 BPSK	1	137	23.25	23.11	23.09	23.7
100	PI/2 BPSK	1	271	23.14	23.21	23.02	
100	PI/2 BPSK	135	0	23.24	23.15	22.96	
100	PI/2 BPSK	135	69	23.23	23.18	23.13	23.7
100	PI/2 BPSK	135	138	23.21	23.15	23.06	
100	PI/2 BPSK	270	0	23.26	23.19	23.15	
100	QPSK	1	1	23.20	23.04	23.05	23.7
100	QPSK	1	137	23.24	23.11	23.09	
100	QPSK	1	271	23.17	23.22	23.10	
100	QPSK	135	0	23.25	23.10	23.07	23.7
100	QPSK	135	69	23.29	23.11	23.00	
100	QPSK	135	138	23.15	23.02	23.04	
100	QPSK	270	0	23.22	23.12	23.10	23.7
100	16QAM	1	1	23.21	23.19	23.16	
100	64QAM	1	1	22.75	22.73	22.68	
100	256QAM	1	1	21.09	21.06	21.01	21.7
Channel				649668	656000	662332	23.7
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.17	23.17	23.04	
Channel				649334	656000	662666	23.7
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.23	23.13	23.16	
Channel				649000	656000	663000	23.7
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.15	23.17	23.13	
Channel				648668	656000	663332	23.7
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.25	23.04	23.02	
Channel				648334	656000	663666	23.7
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.20	23.08	23.12	
Channel				648000	656000	664000	23.7
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.23	23.13	23.00	
Channel				647668	656000	664332	23.7
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.26	23.12	22.96	
Channel				647500	656000	664500	23.7
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.26	23.15	23.04	
Channel				647334	656000	664666	23.7
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.15	23.19	23.04	
Channel				647168	656000	664832	23.7
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.21	23.20	23.11	
Channel				647000	656000	665000	23.7
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.18	23.06	22.99	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	25.1
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.73	24.89	24.74	
100	PI/2 BPSK	1	137	24.30	24.35	24.33	25.1
100	PI/2 BPSK	1	271	24.71	24.80	24.61	
100	PI/2 BPSK	135	0	24.24	24.52	24.38	
100	PI/2 BPSK	135	69	24.38	24.62	24.44	25.1
100	PI/2 BPSK	135	138	24.32	24.61	24.53	25.1
100	PI/2 BPSK	270	0	24.41	24.42	24.41	
100	QPSK	1	1	24.64	24.74	24.48	
100	QPSK	1	137	24.27	24.33	24.14	25.1
100	QPSK	1	271	24.69	24.73	24.61	
100	QPSK	135	0	23.84	23.92	23.77	
100	QPSK	135	69	24.34	24.34	24.17	25.1
100	QPSK	135	138	23.86	23.97	23.99	25.1
100	QPSK	270	0	23.92	24.00	23.83	
100	16QAM	1	1	24.06	24.16	23.92	
100	64QAM	1	1	22.55	22.66	22.55	23.7
100	256QAM	1	1	20.72	20.86	20.86	21.7
Channel				649668	656000	662332	25.1
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.67	24.65	24.53	
Channel				649334	656000	662666	25.1
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.48	24.80	24.70	
Channel				649000	656000	663000	25.1
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.71	24.72	24.55	
Channel				648668	656000	663332	25.1
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.55	24.80	24.80	
Channel				648334	656000	663666	25.1
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.73	24.77	24.55	
Channel				648000	656000	664000	25.1
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.48	24.79	24.74	
Channel				647668	656000	664332	25.1
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.72	24.76	24.69	
Channel				647500	656000	664500	25.1
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	24.71	24.72	24.56	
Channel				647334	656000	664666	25.1
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.52	24.69	24.62	
Channel				647168	656000	664832	25.1
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.57	24.73	24.65	
Channel				647000	656000	665000	25.1
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.66	24.78	24.73	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.24		
100	PI/2 BPSK	1	137		23.98		25.1
100	PI/2 BPSK	1	271		24.19		
100	PI/2 BPSK	135	0		23.56		
100	PI/2 BPSK	135	69		23.95		24.6
100	PI/2 BPSK	135	138		23.55		25.1
100	PI/2 BPSK	270	0		23.46		
100	QPSK	1	1		24.16		
100	QPSK	1	137		23.92		24.1
100	QPSK	1	271		24.15		
100	QPSK	135	0		22.98		
100	QPSK	135	69		23.95		25.1
100	QPSK	135	138		23.15		24.1
100	QPSK	270	0		22.97		
100	16QAM	1	1		23.05		
100	64QAM	1	1		21.56		22.6
100	256QAM	1	1		19.78		20.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.08	24.10	24.08	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.04	24.11	24.05	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.15	24.22	24.23	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.05	24.06	24.13	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.11	24.09	24.24	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.06	24.05	24.07	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.10	24.21	24.08	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.07	24.21	24.23	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.04	24.07	24.06	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.19	24.23	24.08	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.06	24.05	24.23	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		13.89		14.0
100	PI/2 BPSK	1	137		13.83		
100	PI/2 BPSK	1	271		13.78		
100	PI/2 BPSK	135	0		13.81		14.0
100	PI/2 BPSK	135	69		13.86		14.0
100	PI/2 BPSK	135	138		13.84		14.0
100	PI/2 BPSK	270	0		13.78		
100	QPSK	1	1		13.83		14.0
100	QPSK	1	137		13.87		
100	QPSK	1	271		13.87		
100	QPSK	135	0		13.88		14.0
100	QPSK	135	69		13.82		14.0
100	QPSK	135	138		13.87		14.0
100	QPSK	270	0		13.84		
100	16QAM	1	1		13.70		14.0
100	64QAM	1	1		13.71		14.0
100	256QAM	1	1		13.84		14.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	13.82	13.88	13.70	14.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	13.81	13.79	13.71	14.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	13.81	13.88	13.78	14.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	13.77	13.74	13.71	14.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	13.75	13.88	13.83	14.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	13.71	13.82	13.78	14.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	13.78	13.69	13.85	14.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	13.69	13.73	13.80	14.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	13.88	13.84	13.77	14.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	13.70	13.70	13.70	14.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	13.87	13.74	13.77	14.0



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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)
Channel					633332		25.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.50		
100	PI/2 BPSK	1	137		24.33		24.5
100	PI/2 BPSK	1	271		24.46		
100	PI/2 BPSK	135	0		23.77		
100	PI/2 BPSK	135	69		24.30		25.0
100	PI/2 BPSK	135	138		23.85		24.5
100	PI/2 BPSK	270	0		23.82		
100	QPSK	1	1		24.47		
100	QPSK	1	137		24.24		25.0
100	QPSK	1	271		24.44		
100	QPSK	135	0		23.25		
100	QPSK	135	69		24.27		24.0
100	QPSK	135	138		23.29		25.0
100	QPSK	270	0		23.31		
100	16QAM	1	1		23.38		
100	64QAM	1	1		21.91		24.0
100	256QAM	1	1		20.13		22.5
Channel				633000	633332	633666	20.5
Frequency (MHz)				3495	3499.98	3504.99	Tune-up limit (dBm)
90	PI/2 BPSK	1	1	24.41	24.48	24.45	25.0
Channel				632668	633332	634000	25.0
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.46	24.36	24.39	
Channel				632334	633332	634332	25.0
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.46	24.47	24.35	
Channel				632000	633332	634666	25.0
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.33	24.41	24.44	
Channel				631668	633332	635000	25.0
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.36	24.46	24.40	
Channel				631334	633332	635332	25.0
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.48	24.40	24.48	
Channel				631000	633332	635666	25.0
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.49	24.45	24.41	
Channel				630834	633332	635832	25.0
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.32	24.44	24.30	
Channel				630668	633332	636000	25.0
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.46	24.30	24.30	
Channel				630500	633332	636166	25.0
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.43	24.31	24.39	
Channel				630334	633332	636332	25.0
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.40	24.41	24.48	



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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.60		23.6
100	PI/2 BPSK	1	137		22.38		
100	PI/2 BPSK	1	271		22.57		
100	PI/2 BPSK	135	0		22.42		23.6
100	PI/2 BPSK	135	69		22.40		23.6
100	PI/2 BPSK	135	138		22.40		23.6
100	PI/2 BPSK	270	0		22.44		
100	QPSK	1	1		22.59		23.6
100	QPSK	1	137		22.33		
100	QPSK	1	271		22.54		
100	QPSK	135	0		22.42		23.6
100	QPSK	135	69		22.36		23.6
100	QPSK	135	138		22.42		23.6
100	QPSK	270	0		22.39		
100	16QAM	1	1		22.50		23.6
100	64QAM	1	1		21.55		22.5
100	256QAM	1	1		19.75		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.40	22.50	22.45	23.6
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.56	22.57	22.57	23.6
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.43	22.48	22.57	23.6
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.59	22.43	22.55	23.6
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.44	22.42	22.45	23.6
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.40	22.54	22.43	23.6
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.55	22.47	22.59	23.6
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.51	22.47	22.58	23.6
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.43	22.57	22.47	23.6
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.47	22.57	22.58	23.6
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.45	22.43	22.58	23.6



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		20.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.91		
100	PI/2 BPSK	1	137		19.89		20.0
100	PI/2 BPSK	1	271		19.82		
100	PI/2 BPSK	135	0		19.83		
100	PI/2 BPSK	135	69		19.85		20.0
100	PI/2 BPSK	135	138		19.82		20.0
100	PI/2 BPSK	270	0		19.82		
100	QPSK	1	1		19.72		
100	QPSK	1	137		19.87		20.0
100	QPSK	1	271		19.79		
100	QPSK	135	0		19.85		
100	QPSK	135	69		19.72		20.0
100	QPSK	135	138		19.83		20.0
100	QPSK	270	0		19.78		
100	16QAM	1	1		19.72		
100	64QAM	1	1		19.86		20.0
100	256QAM	1	1		19.73		20.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.84	19.87	19.86	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.77	19.83	19.73	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.87	19.81	19.78	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.90	19.89	19.83	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.84	19.80	19.88	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.75	19.77	19.72	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.71	19.87	19.74	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.82	19.85	19.89	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.87	19.79	19.77	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.84	19.83	19.87	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.89	19.86	19.77	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		19.3
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.44		
100	PI/2 BPSK	1	137		18.36		19.3
100	PI/2 BPSK	1	271		18.36		
100	PI/2 BPSK	135	0		18.30		
100	PI/2 BPSK	135	69		18.39		19.3
100	PI/2 BPSK	135	138		18.38		19.3
100	PI/2 BPSK	270	0		18.43		
100	QPSK	1	1		18.31		
100	QPSK	1	137		18.37		19.3
100	QPSK	1	271		18.37		
100	QPSK	135	0		18.34		
100	QPSK	135	69		18.39		19.3
100	QPSK	135	138		18.35		19.3
100	QPSK	270	0		18.42		
100	16QAM	1	1		18.41		
100	64QAM	1	1		18.35		19.3
100	256QAM	1	1		18.40		19.3
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.31	18.42	18.32	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.40	18.39	18.38	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.36	18.42	18.36	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.34	18.29	18.35	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.37	18.36	18.39	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.31	18.35	18.42	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.34	18.43	18.42	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.40	18.43	18.43	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.39	18.33	18.39	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.39	18.43	18.27	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.33	18.36	18.36	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.16		20.3
100	PI/2 BPSK	1	137		20.14		
100	PI/2 BPSK	1	271		20.12		
100	PI/2 BPSK	135	0		20.04		20.3
100	PI/2 BPSK	135	69		20.10		20.3
100	PI/2 BPSK	135	138		20.01		20.3
100	PI/2 BPSK	270	0		20.07		
100	QPSK	1	1		20.04		20.3
100	QPSK	1	137		20.03		
100	QPSK	1	271		19.97		
100	QPSK	135	0		20.04		20.3
100	QPSK	135	69		20.15		20.3
100	QPSK	135	138		20.09		20.3
100	QPSK	270	0		20.06		
100	16QAM	1	1		20.13		20.3
100	64QAM	1	1		20.11		20.3
100	256QAM	1	1		20.06		20.3
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.04	20.04	20.11	20.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.03	20.02	20.00	20.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.98	19.99	20.01	20.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.12	20.07	20.05	20.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.98	20.04	20.15	20.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.00	20.12	20.00	20.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.07	20.07	20.10	20.3
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.98	19.99	20.07	20.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.03	19.98	20.09	20.3
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.13	20.14	19.99	20.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.97	20.14	20.15	20.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.84		22.1
100	PI/2 BPSK	1	137		21.80		
100	PI/2 BPSK	1	271		21.83		
100	PI/2 BPSK	135	0		21.66		22.1
100	PI/2 BPSK	135	69		21.80		22.1
100	PI/2 BPSK	135	138		21.75		22.1
100	PI/2 BPSK	270	0		21.65		
100	QPSK	1	1		21.76		22.1
100	QPSK	1	137		21.68		
100	QPSK	1	271		21.82		
100	QPSK	135	0		21.71		22.1
100	QPSK	135	69		21.83		22.1
100	QPSK	135	138		21.66		22.1
100	QPSK	270	0		21.67		
100	16QAM	1	1		21.78		22.1
100	64QAM	1	1		21.39		22.1
100	256QAM	1	1		19.59		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.68	21.83	21.81	22.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.66	21.69	21.71	22.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.80	21.72	21.73	22.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.82	21.67	21.71	22.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.76	21.73	21.70	22.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.66	21.75	21.66	22.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.79	21.80	21.83	22.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.82	21.80	21.67	22.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.72	21.78	21.75	22.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.69	21.66	21.73	22.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.68	21.65	21.67	22.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.91		20.8
100	PI/2 BPSK	1	137		19.89		
100	PI/2 BPSK	1	271		19.82		
100	PI/2 BPSK	135	0		19.83		20.8
100	PI/2 BPSK	135	69		19.85		20.8
100	PI/2 BPSK	135	138		19.82		20.8
100	PI/2 BPSK	270	0		19.82		
100	QPSK	1	1		19.72		20.8
100	QPSK	1	137		19.87		
100	QPSK	1	271		19.79		
100	QPSK	135	0		19.85		20.8
100	QPSK	135	69		19.72		20.8
100	QPSK	135	138		19.83		20.8
100	QPSK	270	0		19.78		
100	16QAM	1	1		19.72		20.8
100	64QAM	1	1		19.86		20.8
100	256QAM	1	1		19.73		20.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.84	19.87	19.86	20.8
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.77	19.83	19.73	20.8
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.87	19.81	19.78	20.8
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.90	19.89	19.83	20.8
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.84	19.80	19.88	20.8
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.75	19.77	19.72	20.8
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.71	19.87	19.74	20.8
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.82	19.85	19.89	20.8
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.87	19.79	19.77	20.8
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.84	19.83	19.87	20.8
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.89	19.86	19.77	20.8



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.48		22.1
100	PI/2 BPSK	1	137		20.45		
100	PI/2 BPSK	1	271		20.46		
100	PI/2 BPSK	135	0		20.35		22.1
100	PI/2 BPSK	135	69		20.43		22.1
100	PI/2 BPSK	135	138		20.40		22.1
100	PI/2 BPSK	270	0		20.43		
100	QPSK	1	1		20.37		22.1
100	QPSK	1	137		20.41		
100	QPSK	1	271		20.38		
100	QPSK	135	0		20.43		22.1
100	QPSK	135	69		20.44		22.1
100	QPSK	135	138		20.46		22.1
100	QPSK	270	0		20.42		
100	16QAM	1	1		20.41		22.1
100	64QAM	1	1		20.20		21.6
100	256QAM	1	1		18.44		19.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.41	20.45	20.32	22.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.40	20.44	20.42	22.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.42	20.43	20.39	22.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.44	20.39	20.43	22.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.42	20.41	20.44	22.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.40	20.38	20.45	22.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.41	20.47	20.42	22.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.43	20.47	20.47	22.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.43	20.39	20.47	22.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.44	20.46	20.34	22.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.40	20.43	20.44	22.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.16		21.5
100	PI/2 BPSK	1	137		20.14		
100	PI/2 BPSK	1	271		20.12		
100	PI/2 BPSK	135	0		20.04		21.5
100	PI/2 BPSK	135	69		20.10		21.5
100	PI/2 BPSK	135	138		20.01		21.5
100	PI/2 BPSK	270	0		20.07		
100	QPSK	1	1		20.04		21.5
100	QPSK	1	137		20.03		
100	QPSK	1	271		19.97		
100	QPSK	135	0		20.04		21.5
100	QPSK	135	69		20.15		21.5
100	QPSK	135	138		20.09		21.5
100	QPSK	270	0		20.06		
100	16QAM	1	1		20.13		21.5
100	64QAM	1	1		20.11		21.5
100	256QAM	1	1		20.06		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.04	20.04	20.11	21.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.03	20.02	20.00	21.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.98	19.99	20.01	21.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.12	20.07	20.05	21.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.98	20.04	20.15	21.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.00	20.12	20.00	21.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.07	20.07	20.10	21.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.98	19.99	20.07	21.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.03	19.98	20.09	21.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.13	20.14	19.99	21.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.97	20.14	20.15	21.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.84		22.9
100	PI/2 BPSK	1	137		21.80		
100	PI/2 BPSK	1	271		21.83		
100	PI/2 BPSK	135	0		21.66		22.9
100	PI/2 BPSK	135	69		21.80		22.9
100	PI/2 BPSK	135	138		21.75		22.9
100	PI/2 BPSK	270	0		21.65		
100	QPSK	1	1		21.76		22.9
100	QPSK	1	137		21.68		
100	QPSK	1	271		21.82		
100	QPSK	135	0		21.71		22.9
100	QPSK	135	69		21.83		22.9
100	QPSK	135	138		21.66		22.9
100	QPSK	270	0		21.67		
100	16QAM	1	1		21.78		22.9
100	64QAM	1	1		21.39		22.5
100	256QAM	1	1		19.59		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.68	21.83	21.81	22.9
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.66	21.69	21.71	22.9
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.80	21.72	21.73	22.9
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.82	21.67	21.71	22.9
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.76	21.73	21.70	22.9
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.66	21.75	21.66	22.9
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.79	21.80	21.83	22.9
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.82	21.80	21.67	22.9
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.72	21.78	21.75	22.9
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.69	21.66	21.73	22.9
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.68	21.65	21.67	22.9



<FR1 n77_Ant 6_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.91		20.0
100	PI/2 BPSK	1	137		19.89		
100	PI/2 BPSK	1	271		19.82		
100	PI/2 BPSK	135	0		19.83		20.0
100	PI/2 BPSK	135	69		19.85		20.0
100	PI/2 BPSK	135	138		19.82		20.0
100	PI/2 BPSK	270	0		19.82		
100	QPSK	1	1		19.72		20.0
100	QPSK	1	137		19.87		
100	QPSK	1	271		19.79		
100	QPSK	135	0		19.85		20.0
100	QPSK	135	69		19.72		20.0
100	QPSK	135	138		19.83		20.0
100	QPSK	270	0		19.78		
100	16QAM	1	1		19.72		20.0
100	64QAM	1	1		19.86		20.0
100	256QAM	1	1		19.73		20.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.84	19.87	19.86	20.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.77	19.83	19.73	20.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.87	19.81	19.78	20.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.90	19.89	19.83	20.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.84	19.80	19.88	20.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.75	19.77	19.72	20.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.71	19.87	19.74	20.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.82	19.85	19.89	20.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.87	19.79	19.77	20.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.84	19.83	19.87	20.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.89	19.86	19.77	20.0



<FR1 n77_Ant 1_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.48		21.3
100	PI/2 BPSK	1	137		20.45		
100	PI/2 BPSK	1	271		20.46		
100	PI/2 BPSK	135	0		20.35		21.3
100	PI/2 BPSK	135	69		20.43		21.3
100	PI/2 BPSK	135	138		20.40		21.3
100	PI/2 BPSK	270	0		20.43		
100	QPSK	1	1		20.37		21.3
100	QPSK	1	137		20.41		
100	QPSK	1	271		20.38		
100	QPSK	135	0		20.43		21.3
100	QPSK	135	69		20.44		21.3
100	QPSK	135	138		20.46		21.3
100	QPSK	270	0		20.42		
100	16QAM	1	1		20.41		21.3
100	64QAM	1	1		20.20		21.3
100	256QAM	1	1		18.44		19.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.41	20.45	20.32	21.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.40	20.44	20.42	21.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.42	20.43	20.39	21.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.44	20.39	20.43	21.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.42	20.41	20.44	21.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.40	20.38	20.45	21.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.41	20.47	20.42	21.3
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.43	20.47	20.47	21.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.43	20.39	20.47	21.3
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.44	20.46	20.34	21.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.40	20.43	20.44	21.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.16		20.7
100	PI/2 BPSK	1	137		20.14		
100	PI/2 BPSK	1	271		20.12		
100	PI/2 BPSK	135	0		20.04		20.7
100	PI/2 BPSK	135	69		20.10		20.7
100	PI/2 BPSK	135	138		20.01		20.7
100	PI/2 BPSK	270	0		20.07		
100	QPSK	1	1		20.04		20.7
100	QPSK	1	137		20.03		
100	QPSK	1	271		19.97		
100	QPSK	135	0		20.04		20.7
100	QPSK	135	69		20.15		20.7
100	QPSK	135	138		20.09		20.7
100	QPSK	270	0		20.06		
100	16QAM	1	1		20.13		20.7
100	64QAM	1	1		20.11		20.7
100	256QAM	1	1		20.06		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.04	20.04	20.11	20.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.03	20.02	20.00	20.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.98	19.99	20.01	20.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.12	20.07	20.05	20.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.98	20.04	20.15	20.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.00	20.12	20.00	20.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.07	20.07	20.10	20.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.98	19.99	20.07	20.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.03	19.98	20.09	20.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.13	20.14	19.99	20.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.97	20.14	20.15	20.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.84		22.1
100	PI/2 BPSK	1	137		21.80		
100	PI/2 BPSK	1	271		21.83		
100	PI/2 BPSK	135	0		21.66		22.1
100	PI/2 BPSK	135	69		21.80		22.1
100	PI/2 BPSK	135	138		21.75		22.1
100	PI/2 BPSK	270	0		21.65		
100	QPSK	1	1		21.76		22.1
100	QPSK	1	137		21.68		
100	QPSK	1	271		21.82		
100	QPSK	135	0		21.71		22.1
100	QPSK	135	69		21.83		22.1
100	QPSK	135	138		21.66		22.1
100	QPSK	270	0		21.67		
100	16QAM	1	1		21.78		22.1
100	64QAM	1	1		21.39		22.1
100	256QAM	1	1		19.59		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.68	21.83	21.81	22.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.66	21.69	21.71	22.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.80	21.72	21.73	22.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.82	21.67	21.71	22.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.76	21.73	21.70	22.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.66	21.75	21.66	22.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.79	21.80	21.83	22.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.82	21.80	21.67	22.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.72	21.78	21.75	22.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.69	21.66	21.73	22.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.68	21.65	21.67	22.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.48		27.5
100	PI/2 BPSK	1	137		26.32		
100	PI/2 BPSK	1	271		26.41		
100	PI/2 BPSK	135	0		25.95		27.0
100	PI/2 BPSK	135	69		26.33		27.5
100	PI/2 BPSK	135	138		25.93		27.0
100	PI/2 BPSK	270	0		25.86		
100	QPSK	1	1		26.42		27.5
100	QPSK	1	137		26.30		
100	QPSK	1	271		26.42		
100	QPSK	135	0		25.31		26.5
100	QPSK	135	69		26.31		27.5
100	QPSK	135	138		25.54		26.5
100	QPSK	270	0		25.37		
100	16QAM	1	1		25.42		26.5
100	64QAM	1	1		23.89		25.0
100	256QAM	1	1		22.25		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.47	26.47	26.28	27.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.33	26.32	26.37	27.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.29	26.42	26.46	27.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	26.37	26.33	26.35	27.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.32	26.29	26.47	27.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.29	26.28	26.45	27.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.37	26.40	26.38	27.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	26.34	26.34	26.34	27.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.44	26.30	26.42	27.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.37	26.42	26.35	27.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.31	26.43	26.37	27.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.92		
100	PI/2 BPSK	1	137		15.89		17.0
100	PI/2 BPSK	1	271		15.80		
100	PI/2 BPSK	135	0		15.87		17.0
100	PI/2 BPSK	135	69		15.89		17.0
100	PI/2 BPSK	135	138		15.72		17.0
100	PI/2 BPSK	270	0		15.73		
100	QPSK	1	1		15.75		17.0
100	QPSK	1	137		15.76		
100	QPSK	1	271		15.84		
100	QPSK	135	0		15.89		17.0
100	QPSK	135	69		15.91		17.0
100	QPSK	135	138		15.87		17.0
100	QPSK	270	0		15.76		
100	16QAM	1	1		15.83		17.0
100	64QAM	1	1		15.80		17.0
100	256QAM	1	1		15.77		17.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	15.76	15.75	15.85	17.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	15.80	15.73	15.74	17.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	15.76	15.84	15.89	17.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	15.90	15.84	15.79	17.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	15.83	15.87	15.84	17.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	15.86	15.82	15.88	17.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	15.90	15.76	15.77	17.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	15.90	15.83	15.78	17.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	15.90	15.83	15.84	17.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	15.76	15.76	15.90	17.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	15.90	15.81	15.73	17.0



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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.61		
100	PI/2 BPSK	1	137		25.36		26.2
100	PI/2 BPSK	1	271		25.60		
100	PI/2 BPSK	135	0		24.67		
100	PI/2 BPSK	135	69		25.36		25.7
100	PI/2 BPSK	135	138		24.71		26.2
100	PI/2 BPSK	270	0		24.69		
100	QPSK	1	1		25.55		
100	QPSK	1	137		25.34		26.2
100	QPSK	1	271		25.60		
100	QPSK	135	0		24.16		
100	QPSK	135	69		25.34		25.2
100	QPSK	135	138		24.22		26.2
100	QPSK	270	0		24.23		
100	16QAM	1	1		24.34		
100	64QAM	1	1		22.81		25.2
100	256QAM	1	1		21.13		23.7
Channel				633000	633332	633666	21.7
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.44	25.41	25.51	
Channel				632668	633332	634000	26.2
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.46	25.60	25.49	
Channel				632334	633332	634332	26.2
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.56	25.47	25.53	
Channel				632000	633332	634666	26.2
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.41	25.41	25.54	
Channel				631668	633332	635000	26.2
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.49	25.57	25.55	
Channel				631334	633332	635332	26.2
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.43	25.54	25.54	
Channel				631000	633332	635666	26.2
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.47	25.42	25.41	
Channel				630834	633332	635832	26.2
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.44	25.56	25.45	
Channel				630668	633332	636000	26.2
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.60	25.54	25.58	
Channel				630500	633332	636166	26.2
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.58	25.60	25.53	
Channel				630334	633332	636332	26.2
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.55	25.50	25.43	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.25		26.2
100	PI/2 BPSK	1	137		25.01		
100	PI/2 BPSK	1	271		25.18		
100	PI/2 BPSK	135	0		24.33		25.7
100	PI/2 BPSK	135	69		25.00		26.2
100	PI/2 BPSK	135	138		24.31		25.7
100	PI/2 BPSK	270	0		24.35		
100	QPSK	1	1		25.24		26.2
100	QPSK	1	137		24.98		
100	QPSK	1	271		25.18		
100	QPSK	135	0		23.82		25.2
100	QPSK	135	69		25.01		26.2
100	QPSK	135	138		23.82		25.2
100	QPSK	270	0		23.84		
100	16QAM	1	1		24.04		25.2
100	64QAM	1	1		22.52		23.7
100	256QAM	1	1		20.85		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.19	25.08	25.16	26.2
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.24	25.20	25.24	26.2
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.22	25.20	25.05	26.2
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.08	25.20	25.24	26.2
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.13	25.11	25.07	26.2
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.24	25.09	25.08	26.2
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.07	25.21	25.22	26.2
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.20	25.09	25.08	26.2
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.21	25.18	25.13	26.2
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.12	25.08	25.22	26.2
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.20	25.05	25.07	26.2



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.98		
100	PI/2 BPSK	1	137		22.95		23.0
100	PI/2 BPSK	1	271		22.80		
100	PI/2 BPSK	135	0		22.88		
100	PI/2 BPSK	135	69		22.88		23.0
100	PI/2 BPSK	135	138		22.84		23.0
100	PI/2 BPSK	270	0		22.82		
100	QPSK	1	1		22.92		
100	QPSK	1	137		22.95		23.0
100	QPSK	1	271		22.90		
100	QPSK	135	0		22.88		
100	QPSK	135	69		22.81		23.0
100	QPSK	135	138		22.87		23.0
100	QPSK	270	0		22.79		
100	16QAM	1	1		22.95		
100	64QAM	1	1		22.96		23.0
100	256QAM	1	1		22.25		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.96	22.80	22.86	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.97	22.86	22.95	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.81	22.91	22.97	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.88	22.95	22.95	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.86	22.97	22.86	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.87	22.92	22.79	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.85	22.97	22.89	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.78	22.81	22.82	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.94	22.96	22.89	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.83	22.94	22.80	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.97	22.88	22.83	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.39		22.3
100	PI/2 BPSK	1	137		21.15		
100	PI/2 BPSK	1	271		21.21		
100	PI/2 BPSK	135	0		21.16		22.3
100	PI/2 BPSK	135	69		21.38		22.3
100	PI/2 BPSK	135	138		21.17		22.3
100	PI/2 BPSK	270	0		21.20		
100	QPSK	1	1		21.12		22.3
100	QPSK	1	137		21.15		
100	QPSK	1	271		21.27		
100	QPSK	135	0		21.20		22.3
100	QPSK	135	69		21.22		22.3
100	QPSK	135	138		21.23		22.3
100	QPSK	270	0		21.26		
100	16QAM	1	1		21.33		22.3
100	64QAM	1	1		21.03		22.3
100	256QAM	1	1		21.20		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.26	21.20	21.26	22.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.04	21.29	21.15	22.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.16	21.15	21.21	22.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.21	21.11	21.15	22.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.18	21.15	21.30	22.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.33	21.06	21.25	22.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.28	21.14	21.26	22.3
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.21	21.25	21.26	22.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.17	21.19	21.13	22.3
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.19	21.33	21.32	22.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.17	21.17	21.31	22.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.30		23.3
100	PI/2 BPSK	1	137		23.22		
100	PI/2 BPSK	1	271		23.28		
100	PI/2 BPSK	135	0		23.15		23.3
100	PI/2 BPSK	135	69		23.21		23.3
100	PI/2 BPSK	135	138		23.19		23.3
100	PI/2 BPSK	270	0		23.11		
100	QPSK	1	1		23.22		23.3
100	QPSK	1	137		23.18		
100	QPSK	1	271		23.15		
100	QPSK	135	0		23.18		23.3
100	QPSK	135	69		23.15		23.3
100	QPSK	135	138		23.21		23.3
100	QPSK	270	0		23.20		
100	16QAM	1	1		23.27		23.3
100	64QAM	1	1		22.81		23.3
100	256QAM	1	1		21.16		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.25	23.29	23.22	23.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.12	23.13	23.18	23.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.14	23.14	23.23	23.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.18	23.16	23.21	23.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.18	23.13	23.25	23.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.17	23.26	23.16	23.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.14	23.22	23.19	23.3
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.25	23.18	23.25	23.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.11	23.19	23.14	23.3
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.28	23.18	23.12	23.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.10	23.16	23.22	23.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.96		25.1
100	PI/2 BPSK	1	137		24.79		
100	PI/2 BPSK	1	271		24.91		
100	PI/2 BPSK	135	0		24.36		25.1
100	PI/2 BPSK	135	69		24.68		25.1
100	PI/2 BPSK	135	138		24.31		25.1
100	PI/2 BPSK	270	0		24.52		
100	QPSK	1	1		24.91		25.1
100	QPSK	1	137		24.60		
100	QPSK	1	271		24.81		
100	QPSK	135	0		23.72		25.1
100	QPSK	135	69		24.65		25.1
100	QPSK	135	138		23.83		25.1
100	QPSK	270	0		23.83		
100	16QAM	1	1		23.99		25.1
100	64QAM	1	1		22.44		23.7
100	256QAM	1	1		20.92		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.87	24.88	24.81	25.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.89	24.89	24.95	25.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.89	24.86	24.66	25.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.88	24.94	24.95	25.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.85	24.86	24.77	25.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.85	24.76	24.88	25.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.79	24.89	24.86	25.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.88	24.74	24.87	25.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.90	24.86	24.76	25.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.75	24.72	24.90	25.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.86	24.80	24.84	25.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.98		
100	PI/2 BPSK	1	137		22.95		23.8
100	PI/2 BPSK	1	271		22.80		
100	PI/2 BPSK	135	0		22.88		
100	PI/2 BPSK	135	69		22.88		23.8
100	PI/2 BPSK	135	138		22.84		23.8
100	PI/2 BPSK	270	0		22.82		
100	QPSK	1	1		22.92		
100	QPSK	1	137		22.95		23.8
100	QPSK	1	271		22.90		
100	QPSK	135	0		22.88		
100	QPSK	135	69		22.81		23.8
100	QPSK	135	138		22.87		23.8
100	QPSK	270	0		22.79		
100	16QAM	1	1		22.95		
100	64QAM	1	1		22.96		23.8
100	256QAM	1	1		22.25		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.96	22.80	22.86	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.97	22.86	22.95	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.81	22.91	22.97	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.88	22.95	22.95	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.86	22.97	22.86	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.87	22.92	22.79	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.85	22.97	22.89	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.78	22.81	22.82	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.94	22.96	22.89	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.83	22.94	22.80	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.97	22.88	22.83	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.48		25.1
100	PI/2 BPSK	1	137		23.19		
100	PI/2 BPSK	1	271		23.31		
100	PI/2 BPSK	135	0		23.23		25.1
100	PI/2 BPSK	135	69		23.39		25.1
100	PI/2 BPSK	135	138		23.22		25.1
100	PI/2 BPSK	270	0		23.29		
100	QPSK	1	1		23.21		25.1
100	QPSK	1	137		23.17		
100	QPSK	1	271		23.31		
100	QPSK	135	0		23.23		25.1
100	QPSK	135	69		23.24		25.1
100	QPSK	135	138		23.28		25.1
100	QPSK	270	0		23.28		
100	16QAM	1	1		23.37		25.1
100	64QAM	1	1		22.92		24.0
100	256QAM	1	1		21.28		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.27	23.29	23.32	25.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.13	23.29	23.16	25.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.25	23.18	23.25	25.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.29	23.19	23.25	25.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.21	23.21	23.33	25.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.37	23.16	23.32	25.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.34	23.24	23.28	25.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.27	23.29	23.30	25.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.18	23.29	23.19	25.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.23	23.37	23.33	25.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.26	23.27	23.37	25.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.30		
100	PI/2 BPSK	1	137		23.22		24.5
100	PI/2 BPSK	1	271		23.28		
100	PI/2 BPSK	135	0		23.15		
100	PI/2 BPSK	135	69		23.21		24.5
100	PI/2 BPSK	135	138		23.19		24.5
100	PI/2 BPSK	270	0		23.11		
100	QPSK	1	1		23.22		
100	QPSK	1	137		23.18		24.5
100	QPSK	1	271		23.15		
100	QPSK	135	0		23.18		
100	QPSK	135	69		23.15		24.5
100	QPSK	135	138		23.21		24.5
100	QPSK	270	0		23.20		
100	16QAM	1	1		23.27		
100	64QAM	1	1		22.81		23.7
100	256QAM	1	1		21.16		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.25	23.29	23.22	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.12	23.13	23.18	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.14	23.14	23.23	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.18	23.16	23.21	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.18	23.13	23.25	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.17	23.26	23.16	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.14	23.22	23.19	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.25	23.18	23.25	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.11	23.19	23.14	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.28	23.18	23.12	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.10	23.16	23.22	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.96		25.9
100	PI/2 BPSK	1	137		24.79		
100	PI/2 BPSK	1	271		24.91		
100	PI/2 BPSK	135	0		24.36		25.7
100	PI/2 BPSK	135	69		24.68		25.9
100	PI/2 BPSK	135	138		24.31		25.7
100	PI/2 BPSK	270	0		24.52		
100	QPSK	1	1		24.91		25.9
100	QPSK	1	137		24.60		
100	QPSK	1	271		24.81		
100	QPSK	135	0		23.72		25.2
100	QPSK	135	69		24.65		25.9
100	QPSK	135	138		23.83		25.2
100	QPSK	270	0		23.83		
100	16QAM	1	1		23.99		25.2
100	64QAM	1	1		22.44		23.7
100	256QAM	1	1		20.92		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.87	24.88	24.81	25.9
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.89	24.89	24.95	25.9
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.89	24.86	24.66	25.9
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.88	24.94	24.95	25.9
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.85	24.86	24.77	25.9
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.85	24.76	24.88	25.9
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.79	24.89	24.86	25.9
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.88	24.74	24.87	25.9
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.90	24.86	24.76	25.9
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.75	24.72	24.90	25.9
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.86	24.80	24.84	25.9



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.98		
100	PI/2 BPSK	1	137		22.95		23.0
100	PI/2 BPSK	1	271		22.80		
100	PI/2 BPSK	135	0		22.88		
100	PI/2 BPSK	135	69		22.88		23.0
100	PI/2 BPSK	135	138		22.84		23.0
100	PI/2 BPSK	270	0		22.82		
100	QPSK	1	1		22.92		
100	QPSK	1	137		22.95		23.0
100	QPSK	1	271		22.90		
100	QPSK	135	0		22.88		
100	QPSK	135	69		22.81		23.0
100	QPSK	135	138		22.87		23.0
100	QPSK	270	0		22.79		
100	16QAM	1	1		22.95		
100	64QAM	1	1		22.96		23.0
100	256QAM	1	1		22.25		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.96	22.80	22.86	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.97	22.86	22.95	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.81	22.91	22.97	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.88	22.95	22.95	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.86	22.97	22.86	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.87	22.92	22.79	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.85	22.97	22.89	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.78	22.81	22.82	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.94	22.96	22.89	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.83	22.94	22.80	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.97	22.88	22.83	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.48		24.3
100	PI/2 BPSK	1	137		23.19		
100	PI/2 BPSK	1	271		23.31		
100	PI/2 BPSK	135	0		23.23		24.3
100	PI/2 BPSK	135	69		23.39		24.3
100	PI/2 BPSK	135	138		23.22		24.3
100	PI/2 BPSK	270	0		23.29		
100	QPSK	1	1		23.21		24.3
100	QPSK	1	137		23.17		
100	QPSK	1	271		23.31		
100	QPSK	135	0		23.23		24.3
100	QPSK	135	69		23.24		24.3
100	QPSK	135	138		23.28		24.3
100	QPSK	270	0		23.28		
100	16QAM	1	1		23.37		24.3
100	64QAM	1	1		22.92		24.0
100	256QAM	1	1		21.28		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.27	23.29	23.32	24.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.13	23.29	23.16	24.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.25	23.18	23.25	24.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.29	23.19	23.25	24.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.21	23.21	23.33	24.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.37	23.16	23.32	24.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.34	23.24	23.28	24.3
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.27	23.29	23.30	24.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.18	23.29	23.19	24.3
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.23	23.37	23.33	24.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.26	23.27	23.37	24.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.30		23.7
100	PI/2 BPSK	1	137		23.22		
100	PI/2 BPSK	1	271		23.28		
100	PI/2 BPSK	135	0		23.15		23.7
100	PI/2 BPSK	135	69		23.21		23.7
100	PI/2 BPSK	135	138		23.19		23.7
100	PI/2 BPSK	270	0		23.11		
100	QPSK	1	1		23.22		23.7
100	QPSK	1	137		23.18		
100	QPSK	1	271		23.15		
100	QPSK	135	0		23.18		23.7
100	QPSK	135	69		23.15		23.7
100	QPSK	135	138		23.21		23.7
100	QPSK	270	0		23.20		
100	16QAM	1	1		23.27		23.7
100	64QAM	1	1		22.81		23.7
100	256QAM	1	1		21.16		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.25	23.29	23.22	23.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.12	23.13	23.18	23.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.14	23.14	23.23	23.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.18	23.16	23.21	23.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.18	23.13	23.25	23.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.17	23.26	23.16	23.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.14	23.22	23.19	23.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.25	23.18	23.25	23.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.11	23.19	23.14	23.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.28	23.18	23.12	23.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.10	23.16	23.22	23.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.96		
100	PI/2 BPSK	1	137		24.79		25.1
100	PI/2 BPSK	1	271		24.91		
100	PI/2 BPSK	135	0		24.36		
100	PI/2 BPSK	135	69		24.68		25.1
100	PI/2 BPSK	135	138		24.31		25.1
100	PI/2 BPSK	270	0		24.52		
100	QPSK	1	1		24.91		
100	QPSK	1	137		24.60		25.1
100	QPSK	1	271		24.81		
100	QPSK	135	0		23.72		
100	QPSK	135	69		24.65		25.1
100	QPSK	135	138		23.83		25.1
100	QPSK	270	0		23.83		
100	16QAM	1	1		23.99		
100	64QAM	1	1		22.44		23.7
100	256QAM	1	1		20.92		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.87	24.88	24.81	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.89	24.89	24.95	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.89	24.86	24.66	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.88	24.94	24.95	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.85	24.86	24.77	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.85	24.76	24.88	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.79	24.89	24.86	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.88	24.74	24.87	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.90	24.86	24.76	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.75	24.72	24.90	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.86	24.80	24.84	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.30		25.5
100	PI/2 BPSK	1	137		23.98		
100	PI/2 BPSK	1	271		23.96		
100	PI/2 BPSK	135	0		23.62		25.0
100	PI/2 BPSK	135	69		23.99		25.5
100	PI/2 BPSK	135	138		23.55		25.0
100	PI/2 BPSK	270	0		23.52		
100	QPSK	1	1		24.29		25.5
100	QPSK	1	137		23.92		
100	QPSK	1	271		24.22		
100	QPSK	135	0		23.06		24.5
100	QPSK	135	69		23.90		25.5
100	QPSK	135	138		23.02		24.5
100	QPSK	270	0		22.96		
100	16QAM	1	1		23.19		24.5
100	64QAM	1	1		21.75		23.0
100	256QAM	1	1		19.94		21.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	24.20	24.19	24.22	25.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	24.15	24.24	24.14	25.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.25	24.25	24.27	25.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	24.19	24.25	24.29	25.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	24.20	24.24	24.25	25.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.20	24.18	24.20	25.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	24.25	24.26	24.26	25.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	24.15	24.25	24.20	25.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	24.23	24.14	24.18	25.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	24.20	24.28	24.13	25.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	24.16	24.21	24.29	25.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		13.53		14.0
100	PI/2 BPSK	1	137		13.46		
100	PI/2 BPSK	1	271		13.52		
100	PI/2 BPSK	135	0		13.43		14.0
100	PI/2 BPSK	135	69		13.49		14.0
100	PI/2 BPSK	135	138		13.47		14.0
100	PI/2 BPSK	270	0		13.52		
100	QPSK	1	1		13.35		14.0
100	QPSK	1	137		13.44		
100	QPSK	1	271		13.50		
100	QPSK	135	0		13.43		14.0
100	QPSK	135	69		13.38		14.0
100	QPSK	135	138		13.49		14.0
100	QPSK	270	0		13.46		
100	16QAM	1	1		13.47		14.0
100	64QAM	1	1		13.39		14.0
100	256QAM	1	1		13.40		14.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	13.48	13.46	13.46	14.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	13.39	13.35	13.51	14.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	13.36	13.50	13.50	14.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	13.44	13.49	13.52	14.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	13.49	13.37	13.43	14.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	13.41	13.44	13.36	14.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	13.34	13.42	13.42	14.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	13.43	13.39	13.40	14.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	13.48	13.42	13.43	14.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	13.35	13.52	13.36	14.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	13.49	13.48	13.36	14.0



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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.22		
100	PI/2 BPSK	1	137		24.00		25.0
100	PI/2 BPSK	1	271		24.16		
100	PI/2 BPSK	135	0		23.50		
100	PI/2 BPSK	135	69		23.95		24.5
100	PI/2 BPSK	135	138		23.54		25.0
100	PI/2 BPSK	270	0		23.52		
100	QPSK	1	1		24.19		
100	QPSK	1	137		23.99		25.0
100	QPSK	1	271		24.12		
100	QPSK	135	0		22.95		
100	QPSK	135	69		23.95		24.0
100	QPSK	135	138		23.07		25.0
100	QPSK	270	0		23.01		
100	16QAM	1	1		23.11		
100	64QAM	1	1		21.65		24.0
100	256QAM	1	1		19.85		22.5
Channel				649668	650000	650332	20.5
Frequency (MHz)				3745.02	3750	3754.98	Tune-up limit (dBm)
90	PI/2 BPSK	1	1	24.15	24.06	24.18	25.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	24.03	24.10	24.02	
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.09	24.10	24.21	
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	24.15	24.10	24.06	
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	24.12	24.05	24.07	
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.15	24.20	24.21	
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	24.13	24.09	24.04	
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	24.21	24.08	24.02	
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	24.08	24.16	24.15	
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	24.15	24.09	24.03	
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	24.21	24.17	24.16	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		22.44		23.6
100	PI/2 BPSK	1	137		22.26		
100	PI/2 BPSK	1	271		22.42		
100	PI/2 BPSK	135	0		22.15		23.6
100	PI/2 BPSK	135	69		22.22		23.6
100	PI/2 BPSK	135	138		22.24		23.6
100	PI/2 BPSK	270	0		22.14		
100	QPSK	1	1		22.27		23.6
100	QPSK	1	137		22.12		
100	QPSK	1	271		22.38		
100	QPSK	135	0		22.09		23.6
100	QPSK	135	69		22.16		23.6
100	QPSK	135	138		22.25		23.6
100	QPSK	270	0		22.16		
100	16QAM	1	1		22.27		23.6
100	64QAM	1	1		21.23		22.5
100	256QAM	1	1		19.38		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	22.27	22.39	22.37	23.6
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	22.40	22.40	22.35	23.6
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	22.40	22.31	22.25	23.6
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	22.41	22.31	22.30	23.6
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	22.38	22.40	22.29	23.6
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	22.26	22.41	22.27	23.6
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	22.28	22.28	22.40	23.6
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	22.27	22.42	22.36	23.6
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	22.27	22.40	22.31	23.6
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	22.33	22.34	22.41	23.6
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	22.38	22.40	22.39	23.6



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		19.79		20.0
100	PI/2 BPSK	1	137		19.61		
100	PI/2 BPSK	1	271		19.62		
100	PI/2 BPSK	135	0		19.62		20.0
100	PI/2 BPSK	135	69		19.78		20.0
100	PI/2 BPSK	135	138		19.65		20.0
100	PI/2 BPSK	270	0		19.65		
100	QPSK	1	1		19.71		20.0
100	QPSK	1	137		19.76		
100	QPSK	1	271		19.76		
100	QPSK	135	0		19.61		20.0
100	QPSK	135	69		19.65		20.0
100	QPSK	135	138		19.68		20.0
100	QPSK	270	0		19.66		
100	16QAM	1	1		19.63		20.0
100	64QAM	1	1		19.61		20.0
100	256QAM	1	1		19.71		20.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	19.68	19.66	19.78	20.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	19.70	19.68	19.61	20.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	19.68	19.60	19.67	20.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	19.78	19.73	19.67	20.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	19.66	19.62	19.60	20.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	19.77	19.76	19.66	20.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	19.74	19.68	19.69	20.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	19.65	19.73	19.59	20.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	19.71	19.70	19.74	20.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	19.67	19.65	19.77	20.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	19.68	19.69	19.73	20.0



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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		18.35		19.3
100	PI/2 BPSK	1	137		18.28		
100	PI/2 BPSK	1	271		18.14		
100	PI/2 BPSK	135	0		18.20		19.3
100	PI/2 BPSK	135	69		18.31		19.3
100	PI/2 BPSK	135	138		18.27		19.3
100	PI/2 BPSK	270	0		18.31		
100	QPSK	1	1		18.24		19.3
100	QPSK	1	137		18.15		
100	QPSK	1	271		18.31		
100	QPSK	135	0		18.15		19.3
100	QPSK	135	69		18.01		19.3
100	QPSK	135	138		18.20		19.3
100	QPSK	270	0		18.09		
100	16QAM	1	1		18.21		19.3
100	64QAM	1	1		18.22		19.3
100	256QAM	1	1		18.28		19.3
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	18.14	18.25	18.21	19.3
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	18.15	18.21	18.24	19.3
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	18.14	18.14	18.20	19.3
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	18.09	18.11	18.21	19.3
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	18.18	18.22	18.17	19.3
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	18.11	18.25	18.27	19.3
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	18.27	18.27	18.24	19.3
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	18.18	18.19	18.22	19.3
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	18.19	18.19	18.23	19.3
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	18.18	18.28	18.22	19.3
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	18.11	18.30	18.18	19.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.28		20.3
100	PI/2 BPSK	1	137		20.21		
100	PI/2 BPSK	1	271		20.08		
100	PI/2 BPSK	135	0		20.16		20.3
100	PI/2 BPSK	135	69		20.20		20.3
100	PI/2 BPSK	135	138		20.10		20.3
100	PI/2 BPSK	270	0		20.15		
100	QPSK	1	1		20.08		20.3
100	QPSK	1	137		20.13		
100	QPSK	1	271		20.27		
100	QPSK	135	0		20.21		20.3
100	QPSK	135	69		20.23		20.3
100	QPSK	135	138		20.21		20.3
100	QPSK	270	0		20.25		
100	16QAM	1	1		20.24		20.3
100	64QAM	1	1		20.12		20.3
100	256QAM	1	1		19.98		20.3
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	20.15	20.12	20.26	20.3
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	20.24	20.23	20.13	20.3
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	20.25	20.22	20.14	20.3
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	20.21	20.27	20.22	20.3
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	20.12	20.20	20.10	20.3
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	20.17	20.17	20.17	20.3
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	20.13	20.25	20.20	20.3
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	20.25	20.13	20.23	20.3
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	20.15	20.10	20.27	20.3
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	20.18	20.13	20.26	20.3
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	20.14	20.19	20.20	20.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.75		22.1
100	PI/2 BPSK	1	137		21.67		
100	PI/2 BPSK	1	271		21.62		
100	PI/2 BPSK	135	0		21.56		22.1
100	PI/2 BPSK	135	69		21.73		22.1
100	PI/2 BPSK	135	138		21.59		22.1
100	PI/2 BPSK	270	0		21.73		
100	QPSK	1	1		21.57		22.1
100	QPSK	1	137		21.57		
100	QPSK	1	271		21.55		
100	QPSK	135	0		21.70		22.1
100	QPSK	135	69		21.72		22.1
100	QPSK	135	138		21.70		22.1
100	QPSK	270	0		21.74		
100	16QAM	1	1		21.61		22.1
100	64QAM	1	1		21.29		22.1
100	256QAM	1	1		19.51		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	21.55	21.57	21.61	22.1
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	21.59	21.67	21.70	22.1
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	21.71	21.57	21.70	22.1
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	21.60	21.60	21.63	22.1
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	21.64	21.68	21.70	22.1
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	21.64	21.74	21.70	22.1
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	21.57	21.55	21.67	22.1
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	21.68	21.69	21.68	22.1
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	21.57	21.61	21.59	22.1
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	21.69	21.59	21.70	22.1
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	21.57	21.73	21.66	22.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		19.79		20.8
100	PI/2 BPSK	1	137		19.61		
100	PI/2 BPSK	1	271		19.62		
100	PI/2 BPSK	135	0		19.62		20.8
100	PI/2 BPSK	135	69		19.78		20.8
100	PI/2 BPSK	135	138		19.65		20.8
100	PI/2 BPSK	270	0		19.65		
100	QPSK	1	1		19.71		20.8
100	QPSK	1	137		19.76		
100	QPSK	1	271		19.76		
100	QPSK	135	0		19.61		20.8
100	QPSK	135	69		19.65		20.8
100	QPSK	135	138		19.68		20.8
100	QPSK	270	0		19.66		
100	16QAM	1	1		19.63		20.8
100	64QAM	1	1		19.61		20.8
100	256QAM	1	1		19.71		20.8
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	19.68	19.66	19.78	20.8
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	19.70	19.68	19.61	20.8
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	19.68	19.60	19.67	20.8
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	19.78	19.73	19.67	20.8
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	19.66	19.62	19.60	20.8
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	19.77	19.76	19.66	20.8
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	19.74	19.68	19.69	20.8
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	19.65	19.73	19.59	20.8
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	19.71	19.70	19.74	20.8
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	19.67	19.65	19.77	20.8
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	19.68	19.69	19.73	20.8



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.36		22.1
100	PI/2 BPSK	1	137		20.31		
100	PI/2 BPSK	1	271		20.15		
100	PI/2 BPSK	135	0		20.25		22.1
100	PI/2 BPSK	135	69		20.31		22.1
100	PI/2 BPSK	135	138		20.28		22.1
100	PI/2 BPSK	270	0		20.32		
100	QPSK	1	1		20.24		22.1
100	QPSK	1	137		20.20		
100	QPSK	1	271		20.34		
100	QPSK	135	0		20.20		22.1
100	QPSK	135	69		20.11		22.1
100	QPSK	135	138		20.25		22.1
100	QPSK	270	0		20.18		
100	16QAM	1	1		20.25		22.1
100	64QAM	1	1		20.25		22.0
100	256QAM	1	1		18.64		20.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	20.15	20.30	20.26	22.1
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	20.18	20.22	20.24	22.1
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	20.20	20.21	20.25	22.1
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	20.19	20.21	20.25	22.1
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	20.26	20.27	20.21	22.1
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	20.20	20.31	20.28	22.1
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	20.27	20.35	20.31	22.1
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	20.28	20.25	20.26	22.1
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	20.24	20.21	20.25	22.1
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	20.19	20.30	20.28	22.1
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	20.21	20.33	20.27	22.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.28		21.5
100	PI/2 BPSK	1	137		20.21		
100	PI/2 BPSK	1	271		20.08		
100	PI/2 BPSK	135	0		20.16		21.5
100	PI/2 BPSK	135	69		20.20		21.5
100	PI/2 BPSK	135	138		20.10		21.5
100	PI/2 BPSK	270	0		20.15		
100	QPSK	1	1		20.08		21.5
100	QPSK	1	137		20.13		
100	QPSK	1	271		20.27		
100	QPSK	135	0		20.21		21.5
100	QPSK	135	69		20.23		21.5
100	QPSK	135	138		20.21		21.5
100	QPSK	270	0		20.25		
100	16QAM	1	1		20.24		21.5
100	64QAM	1	1		20.12		21.5
100	256QAM	1	1		19.98		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	20.15	20.12	20.26	21.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	20.24	20.23	20.13	21.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	20.25	20.22	20.14	21.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	20.21	20.27	20.22	21.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	20.12	20.20	20.10	21.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	20.17	20.17	20.17	21.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	20.13	20.25	20.20	21.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	20.25	20.13	20.23	21.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	20.15	20.10	20.27	21.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	20.18	20.13	20.26	21.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	20.14	20.19	20.20	21.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.75		22.9
100	PI/2 BPSK	1	137		21.67		
100	PI/2 BPSK	1	271		21.62		
100	PI/2 BPSK	135	0		21.56		22.9
100	PI/2 BPSK	135	69		21.73		22.9
100	PI/2 BPSK	135	138		21.59		22.9
100	PI/2 BPSK	270	0		21.73		
100	QPSK	1	1		21.57		22.9
100	QPSK	1	137		21.57		
100	QPSK	1	271		21.55		
100	QPSK	135	0		21.70		22.9
100	QPSK	135	69		21.72		22.9
100	QPSK	135	138		21.70		22.9
100	QPSK	270	0		21.74		
100	16QAM	1	1		21.61		22.9
100	64QAM	1	1		21.29		22.5
100	256QAM	1	1		19.51		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	21.55	21.57	21.61	22.9
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	21.59	21.67	21.70	22.9
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	21.71	21.57	21.70	22.9
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	21.60	21.60	21.63	22.9
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	21.64	21.68	21.70	22.9
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	21.64	21.74	21.70	22.9
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	21.57	21.55	21.67	22.9
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	21.68	21.69	21.68	22.9
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	21.57	21.61	21.59	22.9
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	21.69	21.59	21.70	22.9
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	21.57	21.73	21.66	22.9



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		19.79		20.0
100	PI/2 BPSK	1	137		19.61		
100	PI/2 BPSK	1	271		19.62		
100	PI/2 BPSK	135	0		19.62		20.0
100	PI/2 BPSK	135	69		19.78		20.0
100	PI/2 BPSK	135	138		19.65		20.0
100	PI/2 BPSK	270	0		19.65		
100	QPSK	1	1		19.71		20.0
100	QPSK	1	137		19.76		
100	QPSK	1	271		19.76		
100	QPSK	135	0		19.61		20.0
100	QPSK	135	69		19.65		20.0
100	QPSK	135	138		19.68		20.0
100	QPSK	270	0		19.66		
100	16QAM	1	1		19.63		20.0
100	64QAM	1	1		19.61		20.0
100	256QAM	1	1		19.71		20.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	19.68	19.66	19.78	20.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	19.70	19.68	19.61	20.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	19.68	19.60	19.67	20.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	19.78	19.73	19.67	20.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	19.66	19.62	19.60	20.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	19.77	19.76	19.66	20.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	19.74	19.68	19.69	20.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	19.65	19.73	19.59	20.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	19.71	19.70	19.74	20.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	19.67	19.65	19.77	20.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	19.68	19.69	19.73	20.0



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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.36		21.3
100	PI/2 BPSK	1	137		20.31		
100	PI/2 BPSK	1	271		20.15		
100	PI/2 BPSK	135	0		20.25		21.3
100	PI/2 BPSK	135	69		20.31		21.3
100	PI/2 BPSK	135	138		20.28		21.3
100	PI/2 BPSK	270	0		20.32		
100	QPSK	1	1		20.24		21.3
100	QPSK	1	137		20.20		
100	QPSK	1	271		20.34		
100	QPSK	135	0		20.20		21.3
100	QPSK	135	69		20.11		21.3
100	QPSK	135	138		20.25		21.3
100	QPSK	270	0		20.18		
100	16QAM	1	1		20.25		21.3
100	64QAM	1	1		20.25		21.3
100	256QAM	1	1		18.64		20.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	20.15	20.30	20.26	21.3
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	20.18	20.22	20.24	21.3
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	20.20	20.21	20.25	21.3
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	20.19	20.21	20.25	21.3
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	20.26	20.27	20.21	21.3
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	20.20	20.31	20.28	21.3
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	20.27	20.35	20.31	21.3
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	20.28	20.25	20.26	21.3
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	20.24	20.21	20.25	21.3
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	20.19	20.30	20.28	21.3
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	20.21	20.33	20.27	21.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.28		20.7
100	PI/2 BPSK	1	137		20.21		
100	PI/2 BPSK	1	271		20.08		
100	PI/2 BPSK	135	0		20.16		20.7
100	PI/2 BPSK	135	69		20.20		20.7
100	PI/2 BPSK	135	138		20.10		20.7
100	PI/2 BPSK	270	0		20.15		
100	QPSK	1	1		20.08		20.7
100	QPSK	1	137		20.13		
100	QPSK	1	271		20.27		
100	QPSK	135	0		20.21		20.7
100	QPSK	135	69		20.23		20.7
100	QPSK	135	138		20.21		20.7
100	QPSK	270	0		20.25		
100	16QAM	1	1		20.24		20.7
100	64QAM	1	1		20.12		20.7
100	256QAM	1	1		19.98		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	20.15	20.12	20.26	20.7
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	20.24	20.23	20.13	20.7
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	20.25	20.22	20.14	20.7
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	20.21	20.27	20.22	20.7
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	20.12	20.20	20.10	20.7
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	20.17	20.17	20.17	20.7
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	20.13	20.25	20.20	20.7
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	20.25	20.13	20.23	20.7
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	20.15	20.10	20.27	20.7
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	20.18	20.13	20.26	20.7
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	20.14	20.19	20.20	20.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.75		22.1
100	PI/2 BPSK	1	137		21.67		
100	PI/2 BPSK	1	271		21.62		
100	PI/2 BPSK	135	0		21.56		22.1
100	PI/2 BPSK	135	69		21.73		22.1
100	PI/2 BPSK	135	138		21.59		22.1
100	PI/2 BPSK	270	0		21.73		
100	QPSK	1	1		21.57		22.1
100	QPSK	1	137		21.57		
100	QPSK	1	271		21.55		
100	QPSK	135	0		21.70		22.1
100	QPSK	135	69		21.72		22.1
100	QPSK	135	138		21.70		22.1
100	QPSK	270	0		21.74		
100	16QAM	1	1		21.61		22.1
100	64QAM	1	1		21.29		22.1
100	256QAM	1	1		19.51		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	21.55	21.57	21.61	22.1
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	21.59	21.67	21.70	22.1
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	21.71	21.57	21.70	22.1
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	21.60	21.60	21.63	22.1
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	21.64	21.68	21.70	22.1
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	21.64	21.74	21.70	22.1
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	21.57	21.55	21.67	22.1
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	21.68	21.69	21.68	22.1
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	21.57	21.61	21.59	22.1
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	21.69	21.59	21.70	22.1
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	21.57	21.73	21.66	22.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		26.42		27.5
100	PI/2 BPSK	1	137		26.12		
100	PI/2 BPSK	1	271		26.38		
100	PI/2 BPSK	135	0		25.74		27.0
100	PI/2 BPSK	135	69		26.14		27.5
100	PI/2 BPSK	135	138		25.72		27.0
100	PI/2 BPSK	270	0		25.65		
100	QPSK	1	1		26.41		27.5
100	QPSK	1	137		26.08		
100	QPSK	1	271		26.40		
100	QPSK	135	0		25.25		26.5
100	QPSK	135	69		26.11		27.5
100	QPSK	135	138		25.24		26.5
100	QPSK	270	0		25.16		
100	16QAM	1	1		25.42		26.5
100	64QAM	1	1		23.89		25.0
100	256QAM	1	1		22.21		23.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	26.22	26.40	26.30	27.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	26.30	26.37	26.40	27.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	26.41	26.40	26.38	27.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	26.36	26.33	26.33	27.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	26.26	26.35	26.25	27.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	26.33	26.22	26.36	27.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	26.36	26.27	26.38	27.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	26.35	26.23	26.38	27.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	26.38	26.22	26.37	27.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	26.23	26.23	26.33	27.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	26.22	26.41	26.27	27.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.49		17.0
100	PI/2 BPSK	1	137		16.41		
100	PI/2 BPSK	1	271		16.29		
100	PI/2 BPSK	135	0		16.29		17.0
100	PI/2 BPSK	135	69		16.35		17.0
100	PI/2 BPSK	135	138		16.34		17.0
100	PI/2 BPSK	270	0		16.33		
100	QPSK	1	1		16.30		17.0
100	QPSK	1	137		16.32		
100	QPSK	1	271		16.41		
100	QPSK	135	0		16.35		17.0
100	QPSK	135	69		16.38		17.0
100	QPSK	135	138		16.41		17.0
100	QPSK	270	0		16.35		
100	16QAM	1	1		16.32		17.0
100	64QAM	1	1		16.44		17.0
100	256QAM	1	1		16.36		17.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	16.46	16.34	16.38	17.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	16.41	16.40	16.43	17.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	16.45	16.32	16.43	17.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	16.39	16.38	16.37	17.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	16.44	16.30	16.43	17.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	16.35	16.36	16.32	17.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	16.39	16.39	16.48	17.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	16.46	16.45	16.37	17.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	16.32	16.42	16.33	17.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	16.31	16.29	16.37	17.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	16.35	16.31	16.38	17.0



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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.57		
100	PI/2 BPSK	1	137		25.34		26.2
100	PI/2 BPSK	1	271		25.52		
100	PI/2 BPSK	135	0		24.64		
100	PI/2 BPSK	135	69		25.37		25.7
100	PI/2 BPSK	135	138		24.72		26.2
100	PI/2 BPSK	270	0		24.67		25.7
100	QPSK	1	1		25.48		
100	QPSK	1	137		25.32		
100	QPSK	1	271		25.50		26.2
100	QPSK	135	0		24.16		
100	QPSK	135	69		25.39		
100	QPSK	135	138		24.21		25.2
100	QPSK	270	0		24.19		
100	16QAM	1	1		24.25		
100	64QAM	1	1		22.81		25.2
100	256QAM	1	1		21.00		23.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	25.56	25.50	25.47	
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	25.43	25.38	25.55	
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.43	25.54	25.43	
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	25.56	25.46	25.37	
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	25.55	25.49	25.48	
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.52	25.48	25.49	
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	25.47	25.43	25.46	
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	25.48	25.44	25.48	
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	25.48	25.46	25.39	
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	25.50	25.39	25.54	
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	25.50	25.39	25.52	



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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.20		26.2
100	PI/2 BPSK	1	137		25.00		
100	PI/2 BPSK	1	271		25.05		
100	PI/2 BPSK	135	0		24.15		25.7
100	PI/2 BPSK	135	69		24.90		26.2
100	PI/2 BPSK	135	138		24.27		25.7
100	PI/2 BPSK	270	0		24.25		
100	QPSK	1	1		24.99		26.2
100	QPSK	1	137		24.85		
100	QPSK	1	271		25.05		
100	QPSK	135	0		23.61		25.2
100	QPSK	135	69		24.85		26.2
100	QPSK	135	138		23.76		25.2
100	QPSK	270	0		23.75		
100	16QAM	1	1		23.79		25.2
100	64QAM	1	1		22.34		23.7
100	256QAM	1	1		20.54		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	25.14	25.00	25.12	26.2
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	25.12	25.18	25.09	26.2
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.13	25.14	25.07	26.2
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	25.16	25.07	25.09	26.2
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	25.04	25.10	25.05	26.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.02	25.12	25.09	26.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	25.07	25.11	25.06	26.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	25.05	25.16	25.05	26.2
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	25.19	25.13	25.04	26.2
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	25.06	25.16	25.15	26.2
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	25.14	25.05	25.15	26.2



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		22.85		
100	PI/2 BPSK	1	137		22.64		23.0
100	PI/2 BPSK	1	271		22.62		
100	PI/2 BPSK	135	0		22.63		
100	PI/2 BPSK	135	69		22.76		23.0
100	PI/2 BPSK	135	138		22.68		23.0
100	PI/2 BPSK	270	0		22.58		
100	QPSK	1	1		22.75		
100	QPSK	1	137		22.70		23.0
100	QPSK	1	271		22.69		
100	QPSK	135	0		22.84		
100	QPSK	135	69		22.57		23.0
100	QPSK	135	138		22.57		23.0
100	QPSK	270	0		22.59		
100	16QAM	1	1		22.71		
100	64QAM	1	1		22.69		23.0
100	256QAM	1	1		22.26		23.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	22.80	22.72	22.70	
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	22.66	22.70	22.66	
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	22.78	22.84	22.81	
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	22.67	22.82	22.69	
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	22.72	22.84	22.84	
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	22.65	22.76	22.79	
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	22.65	22.80	22.74	
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	22.83	22.65	22.78	
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	22.80	22.66	22.66	
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	22.83	22.71	22.80	
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	22.71	22.67	22.84	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.46		22.3
100	PI/2 BPSK	1	137		21.27		
100	PI/2 BPSK	1	271		21.37		
100	PI/2 BPSK	135	0		21.05		22.3
100	PI/2 BPSK	135	69		21.22		22.3
100	PI/2 BPSK	135	138		21.08		22.3
100	PI/2 BPSK	270	0		21.13		
100	QPSK	1	1		21.24		22.3
100	QPSK	1	137		21.24		
100	QPSK	1	271		21.29		
100	QPSK	135	0		21.21		22.3
100	QPSK	135	69		21.21		22.3
100	QPSK	135	138		21.19		22.3
100	QPSK	270	0		21.15		
100	16QAM	1	1		21.27		22.3
100	64QAM	1	1		20.73		22.3
100	256QAM	1	1		21.12		22.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	21.27	21.14	21.15	22.3
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	21.14	21.15	21.17	22.3
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	21.04	21.13	21.03	22.3
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	21.13	21.17	21.17	22.3
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	21.10	21.15	21.03	22.3
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	21.18	21.18	21.10	22.3
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	21.12	21.17	21.12	22.3
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	21.16	21.17	21.09	22.3
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	21.11	21.06	21.13	22.3
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	21.09	21.16	21.08	22.3
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	21.09	21.14	21.11	22.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.28		23.3
100	PI/2 BPSK	1	137		23.23		
100	PI/2 BPSK	1	271		23.24		
100	PI/2 BPSK	135	0		23.21		23.3
100	PI/2 BPSK	135	69		23.27		23.3
100	PI/2 BPSK	135	138		23.27		23.3
100	PI/2 BPSK	270	0		23.22		
100	QPSK	1	1		23.20		23.3
100	QPSK	1	137		23.24		
100	QPSK	1	271		23.20		
100	QPSK	135	0		23.25		23.3
100	QPSK	135	69		23.27		23.3
100	QPSK	135	138		23.21		23.3
100	QPSK	270	0		23.26		
100	16QAM	1	1		23.23		23.3
100	64QAM	1	1		22.88		23.3
100	256QAM	1	1		21.22		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.15	23.09	23.25	23.3
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.22	23.24	23.10	23.3
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.19	23.24	23.26	23.3
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.14	23.16	23.25	23.3
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.12	23.12	23.20	23.3
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.16	23.16	23.09	23.3
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.20	23.13	23.12	23.3
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	23.15	23.24	23.22	23.3
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.13	23.17	23.24	23.3
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.21	23.11	23.16	23.3
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.23	23.11	23.22	23.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.98		25.1
100	PI/2 BPSK	1	137		24.60		
100	PI/2 BPSK	1	271		24.81		
100	PI/2 BPSK	135	0		24.18		25.1
100	PI/2 BPSK	135	69		24.60		25.1
100	PI/2 BPSK	135	138		24.37		25.1
100	PI/2 BPSK	270	0		24.32		
100	QPSK	1	1		24.70		25.1
100	QPSK	1	137		24.65		
100	QPSK	1	271		24.78		
100	QPSK	135	0		23.51		25.1
100	QPSK	135	69		24.55		25.1
100	QPSK	135	138		23.77		25.1
100	QPSK	270	0		23.84		
100	16QAM	1	1		23.69		25.1
100	64QAM	1	1		22.39		23.7
100	256QAM	1	1		20.56		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	24.83	24.74	24.82	25.1
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	24.82	24.88	24.88	25.1
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.79	24.80	24.67	25.1
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	24.90	24.87	24.83	25.1
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	24.78	24.72	24.84	25.1
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.72	24.73	24.77	25.1
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	24.72	24.82	24.78	25.1
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	24.78	24.84	24.78	25.1
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	24.88	24.81	24.81	25.1
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	24.69	24.92	24.79	25.1
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	24.84	24.73	24.80	25.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		22.85		23.8
100	PI/2 BPSK	1	137		22.64		
100	PI/2 BPSK	1	271		22.62		
100	PI/2 BPSK	135	0		22.63		23.8
100	PI/2 BPSK	135	69		22.76		23.8
100	PI/2 BPSK	135	138		22.68		23.8
100	PI/2 BPSK	270	0		22.58		
100	QPSK	1	1		22.75		23.8
100	QPSK	1	137		22.70		
100	QPSK	1	271		22.69		
100	QPSK	135	0		22.84		23.8
100	QPSK	135	69		22.57		23.8
100	QPSK	135	138		22.57		23.8
100	QPSK	270	0		22.59		
100	16QAM	1	1		22.71		23.8
100	64QAM	1	1		22.69		23.8
100	256QAM	1	1		22.26		23.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	22.80	22.72	22.70	23.8
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	22.66	22.70	22.66	23.8
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	22.78	22.84	22.81	23.8
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	22.67	22.82	22.69	23.8
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	22.72	22.84	22.84	23.8
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	22.65	22.76	22.79	23.8
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	22.65	22.80	22.74	23.8
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	22.83	22.65	22.78	23.8
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	22.80	22.66	22.66	23.8
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	22.83	22.71	22.80	23.8
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	22.71	22.67	22.84	23.8



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.46		25.1
100	PI/2 BPSK	1	137		23.29		
100	PI/2 BPSK	1	271		23.37		
100	PI/2 BPSK	135	0		23.12		25.1
100	PI/2 BPSK	135	69		23.19		25.1
100	PI/2 BPSK	135	138		23.12		25.1
100	PI/2 BPSK	270	0		23.18		
100	QPSK	1	1		23.32		25.1
100	QPSK	1	137		23.28		
100	QPSK	1	271		23.36		
100	QPSK	135	0		23.21		25.1
100	QPSK	135	69		23.26		25.1
100	QPSK	135	138		23.26		25.1
100	QPSK	270	0		23.18		
100	16QAM	1	1		23.33		25.1
100	64QAM	1	1		22.62		24.0
100	256QAM	1	1		21.16		22.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.27	23.19	23.18	25.1
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.16	23.16	23.24	25.1
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.12	23.14	23.11	25.1
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.17	23.26	23.20	25.1
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.13	23.18	23.11	25.1
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.23	23.19	23.16	25.1
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.22	23.24	23.19	25.1
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	23.17	23.23	23.15	25.1
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.21	23.12	23.16	25.1
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.15	23.21	23.12	25.1
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.13	23.23	23.16	25.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.28		24.5
100	PI/2 BPSK	1	137		23.23		
100	PI/2 BPSK	1	271		23.24		
100	PI/2 BPSK	135	0		23.21		24.5
100	PI/2 BPSK	135	69		23.27		24.5
100	PI/2 BPSK	135	138		23.27		24.5
100	PI/2 BPSK	270	0		23.22		
100	QPSK	1	1		23.20		24.5
100	QPSK	1	137		23.24		
100	QPSK	1	271		23.20		
100	QPSK	135	0		23.25		24.5
100	QPSK	135	69		23.27		24.5
100	QPSK	135	138		23.21		24.5
100	QPSK	270	0		23.26		
100	16QAM	1	1		23.23		24.5
100	64QAM	1	1		22.88		23.7
100	256QAM	1	1		21.22		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.15	23.09	23.25	24.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.22	23.24	23.10	24.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.19	23.24	23.26	24.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.14	23.16	23.25	24.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.12	23.12	23.20	24.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.16	23.16	23.09	24.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.20	23.13	23.12	24.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	23.15	23.24	23.22	24.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.13	23.17	23.24	24.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.21	23.11	23.16	24.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.23	23.11	23.22	24.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.98		25.9
100	PI/2 BPSK	1	137		24.60		
100	PI/2 BPSK	1	271		24.81		
100	PI/2 BPSK	135	0		24.18		25.7
100	PI/2 BPSK	135	69		24.60		25.9
100	PI/2 BPSK	135	138		24.37		25.7
100	PI/2 BPSK	270	0		24.32		
100	QPSK	1	1		24.70		25.9
100	QPSK	1	137		24.65		
100	QPSK	1	271		24.78		
100	QPSK	135	0		23.51		25.2
100	QPSK	135	69		24.55		25.9
100	QPSK	135	138		23.77		25.2
100	QPSK	270	0		23.84		
100	16QAM	1	1		23.69		25.2
100	64QAM	1	1		22.39		23.7
100	256QAM	1	1		20.56		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	24.83	24.74	24.82	25.9
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	24.82	24.88	24.88	25.9
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.79	24.80	24.67	25.9
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	24.90	24.87	24.83	25.9
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	24.78	24.72	24.84	25.9
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.72	24.73	24.77	25.9
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	24.72	24.82	24.78	25.9
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	24.78	24.84	24.78	25.9
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	24.88	24.81	24.81	25.9
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	24.69	24.92	24.79	25.9
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	24.84	24.73	24.80	25.9



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		22.85		23.0
100	PI/2 BPSK	1	137		22.64		
100	PI/2 BPSK	1	271		22.62		
100	PI/2 BPSK	135	0		22.63		23.0
100	PI/2 BPSK	135	69		22.76		23.0
100	PI/2 BPSK	135	138		22.68		23.0
100	PI/2 BPSK	270	0		22.58		
100	QPSK	1	1		22.75		23.0
100	QPSK	1	137		22.70		
100	QPSK	1	271		22.69		
100	QPSK	135	0		22.84		23.0
100	QPSK	135	69		22.57		23.0
100	QPSK	135	138		22.57		23.0
100	QPSK	270	0		22.59		
100	16QAM	1	1		22.71		23.0
100	64QAM	1	1		22.69		23.0
100	256QAM	1	1		22.26		23.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	22.80	22.72	22.70	23.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	22.66	22.70	22.66	23.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	22.78	22.84	22.81	23.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	22.67	22.82	22.69	23.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	22.72	22.84	22.84	23.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	22.65	22.76	22.79	23.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	22.65	22.80	22.74	23.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	22.83	22.65	22.78	23.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	22.80	22.66	22.66	23.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	22.83	22.71	22.80	23.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	22.71	22.67	22.84	23.0



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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)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.46		24.3
100	PI/2 BPSK	1	137		23.29		
100	PI/2 BPSK	1	271		23.37		
100	PI/2 BPSK	135	0		23.12		24.3
100	PI/2 BPSK	135	69		23.19		24.3
100	PI/2 BPSK	135	138		23.12		24.3
100	PI/2 BPSK	270	0		23.18		
100	QPSK	1	1		23.32		24.3
100	QPSK	1	137		23.28		
100	QPSK	1	271		23.36		
100	QPSK	135	0		23.21		24.3
100	QPSK	135	69		23.26		24.3
100	QPSK	135	138		23.26		24.3
100	QPSK	270	0		23.18		
100	16QAM	1	1		23.33		24.3
100	64QAM	1	1		22.62		24.0
100	256QAM	1	1		21.16		22.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.27	23.19	23.18	24.3
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.16	23.16	23.24	24.3
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.12	23.14	23.11	24.3
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.17	23.26	23.20	24.3
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.13	23.18	23.11	24.3
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.23	23.19	23.16	24.3
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.22	23.24	23.19	24.3
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	23.17	23.23	23.15	24.3
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.21	23.12	23.16	24.3
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.15	23.21	23.12	24.3
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.13	23.23	23.16	24.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.28		23.7
100	PI/2 BPSK	1	137		23.23		
100	PI/2 BPSK	1	271		23.24		
100	PI/2 BPSK	135	0		23.21		23.7
100	PI/2 BPSK	135	69		23.27		23.7
100	PI/2 BPSK	135	138		23.27		23.7
100	PI/2 BPSK	270	0		23.22		
100	QPSK	1	1		23.20		23.7
100	QPSK	1	137		23.24		
100	QPSK	1	271		23.20		
100	QPSK	135	0		23.25		23.7
100	QPSK	135	69		23.27		23.7
100	QPSK	135	138		23.21		23.7
100	QPSK	270	0		23.26		
100	16QAM	1	1		23.23		23.7
100	64QAM	1	1		22.88		23.7
100	256QAM	1	1		21.22		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.15	23.09	23.25	23.7
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.22	23.24	23.10	23.7
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.19	23.24	23.26	23.7
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.14	23.16	23.25	23.7
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.12	23.12	23.20	23.7
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.16	23.16	23.09	23.7
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.20	23.13	23.12	23.7
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	23.15	23.24	23.22	23.7
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.13	23.17	23.24	23.7
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.21	23.11	23.16	23.7
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.23	23.11	23.22	23.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.98		25.1
100	PI/2 BPSK	1	137		24.60		
100	PI/2 BPSK	1	271		24.81		
100	PI/2 BPSK	135	0		24.18		25.1
100	PI/2 BPSK	135	69		24.60		25.1
100	PI/2 BPSK	135	138		24.37		25.1
100	PI/2 BPSK	270	0		24.32		
100	QPSK	1	1		24.70		25.1
100	QPSK	1	137		24.65		
100	QPSK	1	271		24.78		
100	QPSK	135	0		23.51		25.1
100	QPSK	135	69		24.55		25.1
100	QPSK	135	138		23.77		25.1
100	QPSK	270	0		23.84		
100	16QAM	1	1		23.69		25.1
100	64QAM	1	1		22.39		23.7
100	256QAM	1	1		20.56		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	24.83	24.74	24.82	25.1
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	24.82	24.88	24.88	25.1
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.79	24.80	24.67	25.1
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	24.90	24.87	24.83	25.1
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	24.78	24.72	24.84	25.1
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.72	24.73	24.77	25.1
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	24.72	24.82	24.78	25.1
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	24.78	24.84	24.78	25.1
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	24.88	24.81	24.81	25.1
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	24.69	24.92	24.79	25.1
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	24.84	24.73	24.80	25.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.41		
100	PI/2 BPSK	1	137		24.27		25.5
100	PI/2 BPSK	1	271		24.38		
100	PI/2 BPSK	135	0		23.65		
100	PI/2 BPSK	135	69		24.15		25.0
100	PI/2 BPSK	135	138		24.00		25.0
100	PI/2 BPSK	270	0		23.81		
100	QPSK	1	1		24.32		
100	QPSK	1	137		24.20		25.5
100	QPSK	1	271		24.37		
100	QPSK	135	0		23.18		
100	QPSK	135	69		24.15		24.5
100	QPSK	135	138		23.37		24.5
100	QPSK	270	0		23.22		
100	16QAM	1	1		23.25		
100	64QAM	1	1		21.77		23.0
100	256QAM	1	1		19.95		21.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.26	24.25	24.26	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.27	24.26	24.37	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.28	24.27	24.34	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.33	24.36	24.41	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.25	24.23	24.39	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.37	24.41	24.34	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.38	24.26	24.40	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.23	24.26	24.23	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.37	24.22	24.41	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.25	24.36	24.21	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.35	24.21	24.36	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		14.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		13.77		
100	PI/2 BPSK	1	137		13.76		14.0
100	PI/2 BPSK	1	271		13.60		
100	PI/2 BPSK	135	0		13.59		
100	PI/2 BPSK	135	69		13.75		14.0
100	PI/2 BPSK	135	138		13.73		14.0
100	PI/2 BPSK	270	0		13.68		
100	QPSK	1	1		13.68		
100	QPSK	1	137		13.61		14.0
100	QPSK	1	271		13.71		
100	QPSK	135	0		13.70		
100	QPSK	135	69		13.57		14.0
100	QPSK	135	138		13.75		14.0
100	QPSK	270	0		13.76		
100	16QAM	1	1		13.73		
100	64QAM	1	1		13.67		14.0
100	256QAM	1	1		13.61		14.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	13.63	13.62	13.70	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	13.60	13.75	13.76	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	13.63	13.75	13.73	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	13.73	13.64	13.68	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	13.60	13.70	13.67	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	13.66	13.71	13.64	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	13.71	13.75	13.75	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	13.71	13.62	13.63	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	13.64	13.62	13.74	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	13.58	13.63	13.75	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	13.63	13.62	13.73	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		25.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.39		
100	PI/2 BPSK	1	137		24.11		24.5
100	PI/2 BPSK	1	271		24.38		
100	PI/2 BPSK	135	0		23.62		
100	PI/2 BPSK	135	69		24.13		25.0
100	PI/2 BPSK	135	138		23.67		24.5
100	PI/2 BPSK	270	0		23.67		
100	QPSK	1	1		24.29		
100	QPSK	1	137		24.10		25.0
100	QPSK	1	271		24.34		
100	QPSK	135	0		23.10		
100	QPSK	135	69		24.12		24.0
100	QPSK	135	138		23.15		25.0
100	QPSK	270	0		23.16		
100	16QAM	1	1		23.28		
100	64QAM	1	1		21.75		24.0
100	256QAM	1	1		20.08		22.5
Channel				633000	633332	633666	20.5
Frequency (MHz)				3495	3499.98	3504.99	Tune-up limit (dBm)
90	PI/2 BPSK	1	1	24.29	24.26	24.30	25.0
Channel				632668	633332	634000	25.0
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.37	24.25	24.37	
Channel				632334	633332	634332	25.0
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.34	24.32	24.33	
Channel				632000	633332	634666	25.0
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.25	24.25	24.21	
Channel				631668	633332	635000	25.0
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.30	24.29	24.20	
Channel				631334	633332	635332	25.0
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.32	24.31	24.32	
Channel				631000	633332	635666	25.0
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.27	24.19	24.24	
Channel				630834	633332	635832	25.0
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.28	24.38	24.38	
Channel				630668	633332	636000	25.0
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.30	24.29	24.23	
Channel				630500	633332	636166	25.0
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.32	24.34	24.38	
Channel				630334	633332	636332	25.0
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.34	24.31	24.32	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.29		23.6
100	PI/2 BPSK	1	137		21.88		
100	PI/2 BPSK	1	271		22.14		
100	PI/2 BPSK	135	0		21.99		23.6
100	PI/2 BPSK	135	69		21.90		23.6
100	PI/2 BPSK	135	138		22.20		23.6
100	PI/2 BPSK	270	0		22.16		
100	QPSK	1	1		22.20		23.6
100	QPSK	1	137		22.03		
100	QPSK	1	271		22.27		
100	QPSK	135	0		22.09		23.6
100	QPSK	135	69		22.10		23.6
100	QPSK	135	138		22.11		23.6
100	QPSK	270	0		22.12		
100	16QAM	1	1		22.25		23.6
100	64QAM	1	1		21.17		22.5
100	256QAM	1	1		19.38		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.20	22.22	22.17	23.6
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.11	22.11	22.14	23.6
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.25	22.14	22.17	23.6
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.09	22.20	22.09	23.6
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.19	22.11	22.23	23.6
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.17	22.27	22.15	23.6
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.16	22.25	22.14	23.6
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.21	22.16	22.25	23.6
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.23	22.20	22.20	23.6
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.11	22.09	22.09	23.6
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.25	22.27	22.17	23.6



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.90		
100	PI/2 BPSK	1	137		19.70		20.0
100	PI/2 BPSK	1	271		19.87		
100	PI/2 BPSK	135	0		19.84		
100	PI/2 BPSK	135	69		19.89		20.0
100	PI/2 BPSK	135	138		19.75		20.0
100	PI/2 BPSK	270	0		19.87		
100	QPSK	1	1		19.89		
100	QPSK	1	137		19.73		20.0
100	QPSK	1	271		19.76		
100	QPSK	135	0		19.83		
100	QPSK	135	69		19.70		20.0
100	QPSK	135	138		19.78		20.0
100	QPSK	270	0		19.78		
100	16QAM	1	1		19.77		
100	64QAM	1	1		19.75		20.0
100	256QAM	1	1		19.86		20.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.74	19.71	19.83	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.76	19.74	19.77	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.79	19.84	19.88	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.74	19.86	19.76	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.82	19.72	19.70	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.81	19.87	19.70	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.86	19.73	19.82	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.79	19.75	19.74	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.74	19.80	19.86	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.76	19.81	19.87	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.85	19.89	19.84	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		19.3
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.59		
100	PI/2 BPSK	1	137		18.56		19.3
100	PI/2 BPSK	1	271		18.40		
100	PI/2 BPSK	135	0		18.39		
100	PI/2 BPSK	135	69		18.53		19.3
100	PI/2 BPSK	135	138		18.50		19.3
100	PI/2 BPSK	270	0		18.48		
100	QPSK	1	1		18.41		
100	QPSK	1	137		18.47		19.3
100	QPSK	1	271		18.48		
100	QPSK	135	0		18.29		
100	QPSK	135	69		18.39		19.3
100	QPSK	135	138		18.51		19.3
100	QPSK	270	0		18.38		
100	16QAM	1	1		18.53		
100	64QAM	1	1		18.39		19.3
100	256QAM	1	1		18.28		19.3
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.43	18.49	18.44	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.45	18.58	18.35	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.53	18.45	18.39	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.30	18.34	18.54	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.40	18.53	18.36	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.49	18.48	18.35	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.45	18.40	18.51	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.48	18.38	18.29	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.45	18.37	18.50	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.42	18.39	18.47	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.41	18.39	18.40	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.18		20.3
100	PI/2 BPSK	1	137		19.99		
100	PI/2 BPSK	1	271		20.15		
100	PI/2 BPSK	135	0		20.12		20.3
100	PI/2 BPSK	135	69		20.17		20.3
100	PI/2 BPSK	135	138		20.10		20.3
100	PI/2 BPSK	270	0		20.10		
100	QPSK	1	1		20.05		20.3
100	QPSK	1	137		20.16		
100	QPSK	1	271		20.05		
100	QPSK	135	0		20.15		20.3
100	QPSK	135	69		19.99		20.3
100	QPSK	135	138		20.14		20.3
100	QPSK	270	0		20.00		
100	16QAM	1	1		20.02		20.3
100	64QAM	1	1		20.16		20.3
100	256QAM	1	1		19.92		20.3
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.98	20.05	20.07	20.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.99	20.16	20.00	20.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.12	20.08	20.02	20.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.16	20.17	20.03	20.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.12	20.17	20.01	20.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.15	20.11	19.99	20.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.99	20.01	20.05	20.3
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.02	20.17	20.07	20.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.00	20.05	20.04	20.3
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.14	20.04	19.98	20.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.15	20.04	20.00	20.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.84		22.1
100	PI/2 BPSK	1	137		21.72		
100	PI/2 BPSK	1	271		21.71		
100	PI/2 BPSK	135	0		21.73		22.1
100	PI/2 BPSK	135	69		21.75		22.1
100	PI/2 BPSK	135	138		21.74		22.1
100	PI/2 BPSK	270	0		21.80		
100	QPSK	1	1		21.73		22.1
100	QPSK	1	137		21.75		
100	QPSK	1	271		21.69		
100	QPSK	135	0		21.70		22.1
100	QPSK	135	69		21.82		22.1
100	QPSK	135	138		21.69		22.1
100	QPSK	270	0		21.65		
100	16QAM	1	1		21.82		22.1
100	64QAM	1	1		21.37		22.1
100	256QAM	1	1		19.52		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.69	21.76	21.73	22.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.65	21.71	21.69	22.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.80	21.83	21.68	22.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.83	21.66	21.80	22.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.78	21.83	21.80	22.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.68	21.82	21.70	22.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.73	21.76	21.82	22.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.76	21.82	21.82	22.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.71	21.79	21.78	22.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.71	21.79	21.78	22.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.67	21.64	21.73	22.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.90		20.8
100	PI/2 BPSK	1	137		19.70		
100	PI/2 BPSK	1	271		19.87		
100	PI/2 BPSK	135	0		19.84		20.8
100	PI/2 BPSK	135	69		19.89		20.8
100	PI/2 BPSK	135	138		19.75		20.8
100	PI/2 BPSK	270	0		19.87		
100	QPSK	1	1		19.89		20.8
100	QPSK	1	137		19.73		
100	QPSK	1	271		19.76		
100	QPSK	135	0		19.83		20.8
100	QPSK	135	69		19.70		20.8
100	QPSK	135	138		19.78		20.8
100	QPSK	270	0		19.78		
100	16QAM	1	1		19.77		20.8
100	64QAM	1	1		19.75		20.8
100	256QAM	1	1		19.86		20.8
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.74	19.71	19.83	20.8
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.76	19.74	19.77	20.8
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.79	19.84	19.88	20.8
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.74	19.86	19.76	20.8
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.82	19.72	19.70	20.8
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.81	19.87	19.70	20.8
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.86	19.73	19.82	20.8
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.79	19.75	19.74	20.8
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.74	19.80	19.86	20.8
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.76	19.81	19.87	20.8
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.85	19.89	19.84	20.8



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.60		22.1
100	PI/2 BPSK	1	137		20.59		
100	PI/2 BPSK	1	271		20.47		
100	PI/2 BPSK	135	0		20.48		22.1
100	PI/2 BPSK	135	69		20.55		22.1
100	PI/2 BPSK	135	138		20.53		22.1
100	PI/2 BPSK	270	0		20.53		
100	QPSK	1	1		20.43		22.1
100	QPSK	1	137		20.47		
100	QPSK	1	271		20.52		
100	QPSK	135	0		20.37		22.1
100	QPSK	135	69		20.43		22.1
100	QPSK	135	138		20.57		22.1
100	QPSK	270	0		20.46		
100	16QAM	1	1		20.56		22.1
100	64QAM	1	1		20.39		22.0
100	256QAM	1	1		18.83		20.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.46	20.57	20.53	22.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.48	20.58	20.45	22.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.55	20.55	20.49	22.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.39	20.42	20.58	22.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.47	20.58	20.43	22.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.57	20.52	20.43	22.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.45	20.48	20.53	22.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.55	20.46	20.35	22.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.49	20.38	20.55	22.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.52	20.45	20.48	22.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.50	20.45	20.40	22.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.18		21.5
100	PI/2 BPSK	1	137		19.99		
100	PI/2 BPSK	1	271		20.15		
100	PI/2 BPSK	135	0		20.12		21.5
100	PI/2 BPSK	135	69		20.17		21.5
100	PI/2 BPSK	135	138		20.10		21.5
100	PI/2 BPSK	270	0		20.10		
100	QPSK	1	1		20.05		21.5
100	QPSK	1	137		20.16		
100	QPSK	1	271		20.05		
100	QPSK	135	0		20.15		21.5
100	QPSK	135	69		19.99		21.5
100	QPSK	135	138		20.14		21.5
100	QPSK	270	0		20.00		
100	16QAM	1	1		20.02		21.5
100	64QAM	1	1		20.16		21.5
100	256QAM	1	1		19.92		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.98	20.05	20.07	21.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.99	20.16	20.00	21.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.12	20.08	20.02	21.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.16	20.17	20.03	21.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.12	20.17	20.01	21.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.15	20.11	19.99	21.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.99	20.01	20.05	21.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.02	20.17	20.07	21.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.00	20.05	20.04	21.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.14	20.04	19.98	21.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.15	20.04	20.00	21.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.84		22.9
100	PI/2 BPSK	1	137		21.72		
100	PI/2 BPSK	1	271		21.71		
100	PI/2 BPSK	135	0		21.73		22.9
100	PI/2 BPSK	135	69		21.75		22.9
100	PI/2 BPSK	135	138		21.74		22.9
100	PI/2 BPSK	270	0		21.80		
100	QPSK	1	1		21.73		22.9
100	QPSK	1	137		21.75		
100	QPSK	1	271		21.69		
100	QPSK	135	0		21.70		22.9
100	QPSK	135	69		21.82		22.9
100	QPSK	135	138		21.69		22.9
100	QPSK	270	0		21.65		
100	16QAM	1	1		21.82		22.9
100	64QAM	1	1		21.37		22.5
100	256QAM	1	1		19.52		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.69	21.76	21.73	22.9
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.65	21.71	21.69	22.9
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.80	21.83	21.68	22.9
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.83	21.66	21.80	22.9
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.78	21.83	21.80	22.9
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.68	21.82	21.70	22.9
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.73	21.76	21.82	22.9
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.76	21.82	21.82	22.9
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.71	21.79	21.78	22.9
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.71	21.79	21.78	22.9
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.67	21.64	21.73	22.9



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.90		20.0
100	PI/2 BPSK	1	137		19.70		
100	PI/2 BPSK	1	271		19.87		
100	PI/2 BPSK	135	0		19.84		20.0
100	PI/2 BPSK	135	69		19.89		20.0
100	PI/2 BPSK	135	138		19.75		20.0
100	PI/2 BPSK	270	0		19.87		
100	QPSK	1	1		19.89		20.0
100	QPSK	1	137		19.73		
100	QPSK	1	271		19.76		
100	QPSK	135	0		19.83		20.0
100	QPSK	135	69		19.70		20.0
100	QPSK	135	138		19.78		20.0
100	QPSK	270	0		19.78		
100	16QAM	1	1		19.77		20.0
100	64QAM	1	1		19.75		20.0
100	256QAM	1	1		19.86		20.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.74	19.71	19.83	20.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.76	19.74	19.77	20.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.79	19.84	19.88	20.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.74	19.86	19.76	20.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.82	19.72	19.70	20.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.81	19.87	19.70	20.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.86	19.73	19.82	20.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.79	19.75	19.74	20.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.74	19.80	19.86	20.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.76	19.81	19.87	20.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.85	19.89	19.84	20.0



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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)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.60		21.3
100	PI/2 BPSK	1	137		20.59		
100	PI/2 BPSK	1	271		20.47		
100	PI/2 BPSK	135	0		20.48		21.3
100	PI/2 BPSK	135	69		20.55		21.3
100	PI/2 BPSK	135	138		20.53		21.3
100	PI/2 BPSK	270	0		20.53		
100	QPSK	1	1		20.43		21.3
100	QPSK	1	137		20.47		
100	QPSK	1	271		20.52		
100	QPSK	135	0		20.37		21.3
100	QPSK	135	69		20.43		21.3
100	QPSK	135	138		20.57		21.3
100	QPSK	270	0		20.46		
100	16QAM	1	1		20.56		21.3
100	64QAM	1	1		20.39		21.3
100	256QAM	1	1		18.83		20.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.46	20.57	20.53	21.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.48	20.58	20.45	21.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.55	20.55	20.49	21.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.39	20.42	20.58	21.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.47	20.58	20.43	21.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.57	20.52	20.43	21.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.45	20.48	20.53	21.3
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.55	20.46	20.35	21.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.49	20.38	20.55	21.3
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.52	20.45	20.48	21.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.50	20.45	20.40	21.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.18		20.7
100	PI/2 BPSK	1	137		19.99		
100	PI/2 BPSK	1	271		20.15		
100	PI/2 BPSK	135	0		20.12		20.7
100	PI/2 BPSK	135	69		20.17		20.7
100	PI/2 BPSK	135	138		20.10		20.7
100	PI/2 BPSK	270	0		20.10		
100	QPSK	1	1		20.05		20.7
100	QPSK	1	137		20.16		
100	QPSK	1	271		20.05		
100	QPSK	135	0		20.15		20.7
100	QPSK	135	69		19.99		20.7
100	QPSK	135	138		20.14		20.7
100	QPSK	270	0		20.00		
100	16QAM	1	1		20.02		20.7
100	64QAM	1	1		20.16		20.7
100	256QAM	1	1		19.92		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.98	20.05	20.07	20.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.99	20.16	20.00	20.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.12	20.08	20.02	20.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.16	20.17	20.03	20.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.12	20.17	20.01	20.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.15	20.11	19.99	20.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.99	20.01	20.05	20.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.02	20.17	20.07	20.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.00	20.05	20.04	20.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.14	20.04	19.98	20.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.15	20.04	20.00	20.7



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.84		22.1
100	PI/2 BPSK	1	137		21.72		
100	PI/2 BPSK	1	271		21.71		
100	PI/2 BPSK	135	0		21.73		22.1
100	PI/2 BPSK	135	69		21.75		22.1
100	PI/2 BPSK	135	138		21.74		22.1
100	PI/2 BPSK	270	0		21.80		
100	QPSK	1	1		21.73		22.1
100	QPSK	1	137		21.75		
100	QPSK	1	271		21.69		
100	QPSK	135	0		21.70		22.1
100	QPSK	135	69		21.82		22.1
100	QPSK	135	138		21.69		22.1
100	QPSK	270	0		21.65		
100	16QAM	1	1		21.82		22.1
100	64QAM	1	1		21.37		22.1
100	256QAM	1	1		19.52		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.69	21.76	21.73	22.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.65	21.71	21.69	22.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.80	21.83	21.68	22.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.83	21.66	21.80	22.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.78	21.83	21.80	22.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.68	21.82	21.70	22.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.73	21.76	21.82	22.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.76	21.82	21.82	22.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.71	21.79	21.78	22.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.71	21.79	21.78	22.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.67	21.64	21.73	22.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.55		
100	PI/2 BPSK	1	137		26.35		27.5
100	PI/2 BPSK	1	271		26.40		
100	PI/2 BPSK	135	0		25.82		
100	PI/2 BPSK	135	69		26.34		27.0
100	PI/2 BPSK	135	138		26.04		27.5
100	PI/2 BPSK	270	0		25.87		
100	QPSK	1	1		26.47		
100	QPSK	1	137		26.32		27.5
100	QPSK	1	271		26.52		
100	QPSK	135	0		25.34		
100	QPSK	135	69		26.35		26.5
100	QPSK	135	138		25.52		27.5
100	QPSK	270	0		25.37		
100	16QAM	1	1		25.42		
100	64QAM	1	1		23.91		26.5
100	256QAM	1	1		22.24		25.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.54	26.44	26.50	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.50	26.50	26.54	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.39	26.51	26.47	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	26.40	26.40	26.37	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.49	26.46	26.35	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.39	26.37	26.54	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.53	26.53	26.49	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	26.43	26.54	26.48	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.48	26.39	26.44	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.47	26.47	26.51	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.54	26.41	26.51	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		17.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.76		
100	PI/2 BPSK	1	137		16.66		17.0
100	PI/2 BPSK	1	271		16.67		
100	PI/2 BPSK	135	0		16.56		
100	PI/2 BPSK	135	69		16.69		17.0
100	PI/2 BPSK	135	138		16.57		17.0
100	PI/2 BPSK	270	0		16.68		
100	QPSK	1	1		16.72		
100	QPSK	1	137		16.67		17.0
100	QPSK	1	271		16.71		
100	QPSK	135	0		16.74		
100	QPSK	135	69		16.72		17.0
100	QPSK	135	138		16.56		17.0
100	QPSK	270	0		16.65		
100	16QAM	1	1		16.71		
100	64QAM	1	1		16.74		17.0
100	256QAM	1	1		16.64		17.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	16.58	16.75	16.60	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.63	16.71	16.74	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.57	16.72	16.70	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.70	16.62	16.64	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.75	16.72	16.66	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.65	16.70	16.58	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.66	16.60	16.70	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	16.70	16.70	16.58	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.74	16.73	16.57	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	16.68	16.71	16.67	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.70	16.70	16.75	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.56		
100	PI/2 BPSK	1	137		25.26		26.2
100	PI/2 BPSK	1	271		25.50		
100	PI/2 BPSK	135	0		24.51		
100	PI/2 BPSK	135	69		25.25		26.2
100	PI/2 BPSK	135	138		24.55		25.7
100	PI/2 BPSK	270	0		24.57		
100	QPSK	1	1		25.34		
100	QPSK	1	137		25.20		26.2
100	QPSK	1	271		25.46		
100	QPSK	135	0		24.12		
100	QPSK	135	69		25.32		26.2
100	QPSK	135	138		24.14		25.2
100	QPSK	270	0		24.18		
100	16QAM	1	1		24.31		
100	64QAM	1	1		22.79		23.7
100	256QAM	1	1		21.06		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.41	25.48	25.46	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.50	25.49	25.52	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.43	25.41	25.50	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.47	25.45	25.41	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.43	25.51	25.39	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.52	25.42	25.44	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.50	25.46	25.42	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.53	25.55	25.51	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.51	25.55	25.47	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.46	25.44	25.53	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.43	25.55	25.51	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.95		
100	PI/2 BPSK	1	137		24.69		26.2
100	PI/2 BPSK	1	271		24.88		
100	PI/2 BPSK	135	0		23.98		
100	PI/2 BPSK	135	69		24.63		25.7
100	PI/2 BPSK	135	138		23.95		26.2
100	PI/2 BPSK	270	0		24.00		
100	QPSK	1	1		24.87		
100	QPSK	1	137		24.58		26.2
100	QPSK	1	271		24.83		
100	QPSK	135	0		23.43		
100	QPSK	135	69		24.63		25.2
100	QPSK	135	138		23.38		26.2
100	QPSK	270	0		23.50		
100	16QAM	1	1		23.68		
100	64QAM	1	1		22.17		25.2
100	256QAM	1	1		20.34		23.7
Channel				633000	633332	633666	21.7
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.92	24.85	24.75	
Channel				632668	633332	634000	26.2
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.88	24.93	24.94	
Channel				632334	633332	634332	26.2
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.81	24.87	24.93	
Channel				632000	633332	634666	26.2
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.80	24.84	24.78	
Channel				631668	633332	635000	26.2
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.92	24.80	24.85	
Channel				631334	633332	635332	26.2
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.77	24.89	24.93	
Channel				631000	633332	635666	26.2
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.85	24.76	24.79	
Channel				630834	633332	635832	26.2
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.77	24.87	24.82	
Channel				630668	633332	636000	26.2
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.86	24.92	24.93	
Channel				630500	633332	636166	26.2
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.79	24.78	24.91	
Channel				630334	633332	636332	26.2
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.79	24.87	24.84	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.98		
100	PI/2 BPSK	1	137		22.84		23.0
100	PI/2 BPSK	1	271		22.63		
100	PI/2 BPSK	135	0		22.69		
100	PI/2 BPSK	135	69		22.74		23.0
100	PI/2 BPSK	135	138		22.72		23.0
100	PI/2 BPSK	270	0		22.79		
100	QPSK	1	1		22.86		
100	QPSK	1	137		22.83		23.0
100	QPSK	1	271		22.73		
100	QPSK	135	0		22.78		
100	QPSK	135	69		22.62		23.0
100	QPSK	135	138		22.73		23.0
100	QPSK	270	0		22.79		
100	16QAM	1	1		22.79		
100	64QAM	1	1		22.87		23.0
100	256QAM	1	1		22.16		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.87	22.78	22.86	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.88	22.91	22.83	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.97	22.82	22.96	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.94	22.91	22.86	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.91	22.79	22.86	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.94	22.91	22.82	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.92	22.82	22.84	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.93	22.85	22.92	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.96	22.78	22.82	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.96	22.91	22.78	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.92	22.83	22.78	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.38		22.3
100	PI/2 BPSK	1	137		21.10		
100	PI/2 BPSK	1	271		21.25		
100	PI/2 BPSK	135	0		21.29		22.3
100	PI/2 BPSK	135	69		21.32		22.3
100	PI/2 BPSK	135	138		21.23		22.3
100	PI/2 BPSK	270	0		21.26		
100	QPSK	1	1		21.31		22.3
100	QPSK	1	137		21.13		
100	QPSK	1	271		21.31		
100	QPSK	135	0		21.18		22.3
100	QPSK	135	69		21.23		22.3
100	QPSK	135	138		21.37		22.3
100	QPSK	270	0		21.27		
100	16QAM	1	1		21.28		22.3
100	64QAM	1	1		20.82		22.3
100	256QAM	1	1		21.22		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.20	21.33	21.23	22.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.20	21.34	21.31	22.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.15	21.18	21.31	22.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.19	21.29	21.18	22.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.19	21.16	21.30	22.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.34	21.36	21.31	22.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.16	21.15	21.25	22.3
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.20	21.34	21.30	22.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.25	21.12	21.21	22.3
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.19	21.18	21.25	22.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.26	21.15	21.25	22.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.28		23.3
100	PI/2 BPSK	1	137		23.21		
100	PI/2 BPSK	1	271		23.27		
100	PI/2 BPSK	135	0		23.24		23.3
100	PI/2 BPSK	135	69		23.25		23.3
100	PI/2 BPSK	135	138		23.24		23.3
100	PI/2 BPSK	270	0		23.25		
100	QPSK	1	1		23.21		23.3
100	QPSK	1	137		23.25		
100	QPSK	1	271		23.25		
100	QPSK	135	0		23.13		23.3
100	QPSK	135	69		23.27		23.3
100	QPSK	135	138		23.18		23.3
100	QPSK	270	0		23.17		
100	16QAM	1	1		23.22		23.3
100	64QAM	1	1		22.86		23.3
100	256QAM	1	1		21.17		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.25	23.23	23.22	23.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.23	23.14	23.26	23.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.20	23.24	23.27	23.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.13	23.17	23.16	23.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.09	23.17	23.18	23.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.23	23.25	23.11	23.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.10	23.27	23.21	23.3
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.25	23.13	23.25	23.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.26	23.14	23.09	23.3
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.27	23.08	23.24	23.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.21	23.19	23.10	23.3



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.95		25.1
100	PI/2 BPSK	1	137		24.69		
100	PI/2 BPSK	1	271		24.88		
100	PI/2 BPSK	135	0		23.98		25.1
100	PI/2 BPSK	135	69		24.63		25.1
100	PI/2 BPSK	135	138		23.95		25.1
100	PI/2 BPSK	270	0		24.00		
100	QPSK	1	1		24.87		25.1
100	QPSK	1	137		24.58		
100	QPSK	1	271		24.83		
100	QPSK	135	0		23.43		25.1
100	QPSK	135	69		24.63		25.1
100	QPSK	135	138		23.38		25.1
100	QPSK	270	0		23.50		
100	16QAM	1	1		23.68		25.1
100	64QAM	1	1		22.17		23.7
100	256QAM	1	1		20.34		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.92	24.85	24.75	25.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.88	24.93	24.94	25.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.81	24.87	24.93	25.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.80	24.84	24.78	25.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.92	24.80	24.85	25.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.77	24.89	24.93	25.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.85	24.76	24.79	25.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.77	24.87	24.82	25.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.86	24.92	24.93	25.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.79	24.78	24.91	25.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.79	24.87	24.84	25.1



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.98		
100	PI/2 BPSK	1	137		22.84		23.8
100	PI/2 BPSK	1	271		22.63		
100	PI/2 BPSK	135	0		22.69		
100	PI/2 BPSK	135	69		22.74		23.8
100	PI/2 BPSK	135	138		22.72		23.8
100	PI/2 BPSK	270	0		22.79		
100	QPSK	1	1		22.86		
100	QPSK	1	137		22.83		23.8
100	QPSK	1	271		22.73		
100	QPSK	135	0		22.78		
100	QPSK	135	69		22.62		23.8
100	QPSK	135	138		22.73		23.8
100	QPSK	270	0		22.79		
100	16QAM	1	1		22.79		
100	64QAM	1	1		22.87		23.8
100	256QAM	1	1		22.16		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.87	22.78	22.86	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.88	22.91	22.83	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.97	22.82	22.96	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.94	22.91	22.86	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.91	22.79	22.86	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.94	22.91	22.82	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.92	22.82	22.84	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.93	22.85	22.92	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.96	22.78	22.82	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.96	22.91	22.78	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.92	22.83	22.78	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.44		
100	PI/2 BPSK	1	137		23.19		25.1
100	PI/2 BPSK	1	271		23.31		
100	PI/2 BPSK	135	0		23.29		
100	PI/2 BPSK	135	69		23.36		25.1
100	PI/2 BPSK	135	138		23.31		25.1
100	PI/2 BPSK	270	0		23.27		
100	QPSK	1	1		23.33		
100	QPSK	1	137		23.15		25.1
100	QPSK	1	271		23.32		
100	QPSK	135	0		23.27		
100	QPSK	135	69		23.28		25.1
100	QPSK	135	138		23.37		25.1
100	QPSK	270	0		23.30		
100	16QAM	1	1		23.37		
100	64QAM	1	1		22.67		24.0
100	256QAM	1	1		21.25		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.28	23.37	23.29	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.24	23.40	23.37	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.21	23.19	23.40	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.25	23.37	23.24	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.29	23.23	23.40	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.41	23.41	23.35	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.25	23.24	23.32	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.24	23.34	23.38	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.30	23.20	23.25	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.25	23.23	23.30	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.34	23.20	23.28	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.28		
100	PI/2 BPSK	1	137		23.21		24.5
100	PI/2 BPSK	1	271		23.27		
100	PI/2 BPSK	135	0		23.24		
100	PI/2 BPSK	135	69		23.25		24.5
100	PI/2 BPSK	135	138		23.24		24.5
100	PI/2 BPSK	270	0		23.25		
100	QPSK	1	1		23.21		
100	QPSK	1	137		23.25		24.5
100	QPSK	1	271		23.25		
100	QPSK	135	0		23.13		
100	QPSK	135	69		23.27		24.5
100	QPSK	135	138		23.18		24.5
100	QPSK	270	0		23.17		
100	16QAM	1	1		23.22		
100	64QAM	1	1		22.86		23.7
100	256QAM	1	1		21.17		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.25	23.23	23.22	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.23	23.14	23.26	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.20	23.24	23.27	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.13	23.17	23.16	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.09	23.17	23.18	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.23	23.25	23.11	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.10	23.27	23.21	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.25	23.13	23.25	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.26	23.14	23.09	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.27	23.08	23.24	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.21	23.19	23.10	



<FR1 n78_HPUE_Ant 5_Index 10>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.95		25.9
100	PI/2 BPSK	1	137		24.69		
100	PI/2 BPSK	1	271		24.88		
100	PI/2 BPSK	135	0		23.98		25.7
100	PI/2 BPSK	135	69		24.63		25.9
100	PI/2 BPSK	135	138		23.95		25.7
100	PI/2 BPSK	270	0		24.00		
100	QPSK	1	1		24.87		25.9
100	QPSK	1	137		24.58		
100	QPSK	1	271		24.83		
100	QPSK	135	0		23.43		25.2
100	QPSK	135	69		24.63		25.9
100	QPSK	135	138		23.38		25.2
100	QPSK	270	0		23.50		
100	16QAM	1	1		23.68		25.2
100	64QAM	1	1		22.17		23.7
100	256QAM	1	1		20.34		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.92	24.85	24.75	25.9
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.88	24.93	24.94	25.9
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.81	24.87	24.93	25.9
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.80	24.84	24.78	25.9
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.92	24.80	24.85	25.9
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.77	24.89	24.93	25.9
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.85	24.76	24.79	25.9
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.77	24.87	24.82	25.9
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.86	24.92	24.93	25.9
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.79	24.78	24.91	25.9
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.79	24.87	24.84	25.9



<FR1 n78_HPUE_Ant 6_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.98		
100	PI/2 BPSK	1	137		22.84		23.0
100	PI/2 BPSK	1	271		22.63		
100	PI/2 BPSK	135	0		22.69		
100	PI/2 BPSK	135	69		22.74		23.0
100	PI/2 BPSK	135	138		22.72		23.0
100	PI/2 BPSK	270	0		22.79		
100	QPSK	1	1		22.86		
100	QPSK	1	137		22.83		23.0
100	QPSK	1	271		22.73		
100	QPSK	135	0		22.78		
100	QPSK	135	69		22.62		23.0
100	QPSK	135	138		22.73		23.0
100	QPSK	270	0		22.79		
100	16QAM	1	1		22.79		
100	64QAM	1	1		22.87		23.0
100	256QAM	1	1		22.16		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.87	22.78	22.86	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.88	22.91	22.83	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.97	22.82	22.96	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.94	22.91	22.86	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.91	22.79	22.86	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.94	22.91	22.82	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.92	22.82	22.84	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.93	22.85	22.92	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.96	22.78	22.82	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.96	22.91	22.78	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.92	22.83	22.78	



<FR1 n78_HPUE_Ant 1_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.44		
100	PI/2 BPSK	1	137		23.19		24.3
100	PI/2 BPSK	1	271		23.31		
100	PI/2 BPSK	135	0		23.29		
100	PI/2 BPSK	135	69		23.36		24.3
100	PI/2 BPSK	135	138		23.31		24.3
100	PI/2 BPSK	270	0		23.27		
100	QPSK	1	1		23.33		
100	QPSK	1	137		23.15		24.3
100	QPSK	1	271		23.32		
100	QPSK	135	0		23.27		
100	QPSK	135	69		23.28		24.3
100	QPSK	135	138		23.37		24.3
100	QPSK	270	0		23.30		
100	16QAM	1	1		23.37		
100	64QAM	1	1		22.67		24.0
100	256QAM	1	1		21.25		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.28	23.37	23.29	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.24	23.40	23.37	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.21	23.19	23.40	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.25	23.37	23.24	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.29	23.23	23.40	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.41	23.41	23.35	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.25	23.24	23.32	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.24	23.34	23.38	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.30	23.20	23.25	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.25	23.23	23.30	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.34	23.20	23.28	



<FR1 n78_HPUE_Ant 2_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.28		23.7
100	PI/2 BPSK	1	137		23.21		
100	PI/2 BPSK	1	271		23.27		
100	PI/2 BPSK	135	0		23.24		23.7
100	PI/2 BPSK	135	69		23.25		23.7
100	PI/2 BPSK	135	138		23.24		23.7
100	PI/2 BPSK	270	0		23.25		
100	QPSK	1	1		23.21		23.7
100	QPSK	1	137		23.25		
100	QPSK	1	271		23.25		
100	QPSK	135	0		23.13		23.7
100	QPSK	135	69		23.27		23.7
100	QPSK	135	138		23.18		23.7
100	QPSK	270	0		23.17		
100	16QAM	1	1		23.22		23.7
100	64QAM	1	1		22.86		23.7
100	256QAM	1	1		21.17		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.25	23.23	23.22	23.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.23	23.14	23.26	23.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.20	23.24	23.27	23.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.13	23.17	23.16	23.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.09	23.17	23.18	23.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.23	23.25	23.11	23.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.10	23.27	23.21	23.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.25	23.13	23.25	23.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.26	23.14	23.09	23.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.27	23.08	23.24	23.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.21	23.19	23.10	23.7



<FR1 n78_HPUE_Ant 5_Index 11>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.95		25.1
100	PI/2 BPSK	1	137		24.69		
100	PI/2 BPSK	1	271		24.88		
100	PI/2 BPSK	135	0		23.98		25.1
100	PI/2 BPSK	135	69		24.63		25.1
100	PI/2 BPSK	135	138		23.95		25.1
100	PI/2 BPSK	270	0		24.00		
100	QPSK	1	1		24.87		25.1
100	QPSK	1	137		24.58		
100	QPSK	1	271		24.83		
100	QPSK	135	0		23.43		25.1
100	QPSK	135	69		24.63		25.1
100	QPSK	135	138		23.38		25.1
100	QPSK	270	0		23.50		
100	16QAM	1	1		23.68		25.1
100	64QAM	1	1		22.17		23.7
100	256QAM	1	1		20.34		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.92	24.85	24.75	25.1
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.88	24.93	24.94	25.1
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.81	24.87	24.93	25.1
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.80	24.84	24.78	25.1
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.92	24.80	24.85	25.1
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.77	24.89	24.93	25.1
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.85	24.76	24.79	25.1
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.77	24.87	24.82	25.1
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.86	24.92	24.93	25.1
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.79	24.78	24.91	25.1
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.79	24.87	24.84	25.1

**<Non-terrestrial Network Note>****General Note:**

1. Due to test setup limitations, SAR testing for Non-terrestrial Network was performed using Factory Test Mode software to establish the connection.

<NTN Band 23_Ant 0_Index 10>

Sub-carrier Spacing (KHz)	Modulation	SC Size	SC Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				25501	25600	25699	
Frequency (MHz)				2000.1	2010	2019.9	
3.75	BPSK	1	0	22.11	22.10	22.07	
3.75	BPSK	1	46	22.28	22.24	22.16	23.2
3.75	QPSK	1	0	22.13	22.12	22.08	
3.75	QPSK	1	46	22.36	22.29	22.24	
15	BPSK	1	0	22.09	22.35	22.10	
15	BPSK	1	10	22.01	22.29	22.04	
15	QPSK	1	0	22.06	22.34	22.09	
15	QPSK	1	10	22.02	22.30	22.01	
15	QPSK	12	0	20.92	20.85	20.83	22.7

<NTN Band 255_Ant 0_Index 10>

Sub-carrier Spacing (KHz)	Modulation	SC Size	SC Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				261505	261674	261843	
Frequency (MHz)				1626.6	1643.5	1660.4	
3.75	BPSK	1	0	22.32	22.22	22.30	
3.75	BPSK	1	46	22.25	22.14	22.25	23.3
3.75	QPSK	1	0	22.30	22.18	22.26	
3.75	QPSK	1	46	22.38	22.15	22.23	
15	BPSK	1	0	22.29	22.23	22.35	
15	BPSK	1	10	22.24	22.15	22.25	
15	QPSK	1	0	22.25	22.19	22.30	
15	QPSK	1	10	22.19	22.12	22.22	
15	QPSK	12	0	20.64	20.58	20.67	22