



<FR1 n7_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	17.3
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	17.07	17.14	17.03	
50	PI/2 BPSK	1	135	17.03	17.11	16.99	17.3
50	PI/2 BPSK	1	268	17.02	17.01	16.97	
50	PI/2 BPSK	135	0	16.98	17.04	16.93	
50	PI/2 BPSK	135	68	16.98	17.05	16.99	17.3
50	PI/2 BPSK	135	135	16.96	16.90	16.87	17.3
50	PI/2 BPSK	270	0	16.98	16.95	17.00	
50	QPSK	1	1	17.05	17.09	16.90	
50	QPSK	1	135	16.99	17.13	17.01	17.3
50	QPSK	1	268	16.98	17.12	17.02	
50	QPSK	135	0	16.92	16.93	16.92	
50	QPSK	135	68	16.93	17.06	16.89	17.3
50	QPSK	135	135	16.93	16.85	16.79	17.3
50	QPSK	270	0	16.89	16.94	16.89	
50	16QAM	1	1	17.00	16.98	16.92	
50	64QAM	1	1	17.01	16.94	16.95	17.3
50	256QAM	1	1	17.00	16.99	16.95	17.3
Channel				504000	507000	510000	17.3
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	17.07	17.13	16.99	
Channel				503000	507000	511000	17.3
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	16.97	17.13	16.98	
Channel				502500	507000	511500	17.3
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	17.02	17.08	16.95	
Channel				502000	507000	512000	17.3
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	16.97	17.13	16.93	
Channel				501500	507000	512500	17.3
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	17.01	17.08	16.96	
Channel				501000	507000	513000	17.3
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	17.07	17.13	16.93	
Channel				500500	507000	513500	17.3
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	17.06	17.06	17.03	

<FR1 n7_Ant 1_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	22.6
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	22.19	22.13	22.09	
50	PI/2 BPSK	1	135	21.97	22.01	21.92	22.6
50	PI/2 BPSK	1	268	21.96	21.98	21.92	
50	PI/2 BPSK	135	0	21.99	21.96	21.87	
50	PI/2 BPSK	135	68	22.03	22.04	21.97	22.6
50	PI/2 BPSK	135	135	21.98	21.95	21.86	22.6
50	PI/2 BPSK	270	0	21.98	22.02	21.95	
50	QPSK	1	1	22.08	22.10	21.98	
50	QPSK	1	135	22.09	22.04	22.00	22.6
50	QPSK	1	268	22.00	21.94	21.85	
50	QPSK	135	0	22.04	22.07	21.94	
50	QPSK	135	68	21.97	22.01	21.91	22.6
50	QPSK	135	135	21.98	21.99	21.94	22.6
50	QPSK	270	0	22.02	22.03	21.93	
50	16QAM	1	1	22.06	22.08	21.98	
50	64QAM	1	1	21.32	21.31	21.25	22.6
50	256QAM	1	1	19.40	19.36	19.39	20.6
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	22.12	22.03	22.06	
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	22.09	22.09	22.00	
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	22.17	22.12	22.07	
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	22.15	22.09	22.02	
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	22.12	22.08	21.99	
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	22.12	22.06	22.02	
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	22.15	22.08	22.09	



<FR1 n7_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	18.1
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	17.07	17.14	17.03	
50	PI/2 BPSK	1	135	17.03	17.11	16.99	18.1
50	PI/2 BPSK	1	268	17.02	17.01	16.97	
50	PI/2 BPSK	135	0	16.98	17.04	16.93	
50	PI/2 BPSK	135	68	16.98	17.05	16.99	18.1
50	PI/2 BPSK	135	135	16.96	16.90	16.87	18.1
50	PI/2 BPSK	270	0	16.98	16.95	17.00	
50	QPSK	1	1	17.05	17.09	16.90	
50	QPSK	1	135	16.99	17.13	17.01	18.1
50	QPSK	1	268	16.98	17.12	17.02	
50	QPSK	135	0	16.92	16.93	16.92	
50	QPSK	135	68	16.93	17.06	16.89	18.1
50	QPSK	135	135	16.93	16.85	16.79	18.1
50	QPSK	270	0	16.89	16.94	16.89	
50	16QAM	1	1	17.00	16.98	16.92	
50	64QAM	1	1	17.01	16.94	16.95	18.1
50	256QAM	1	1	17.00	16.99	16.95	18.1
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	17.07	17.13	16.99	
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	16.97	17.13	16.98	
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	17.02	17.08	16.95	
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	16.97	17.13	16.93	
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	17.01	17.08	16.96	
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	17.07	17.13	16.93	
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	17.06	17.06	17.03	



<FR1 n7_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	22.19	22.13	22.09	
50	PI/2 BPSK	1	135	21.97	22.01	21.92	23.4
50	PI/2 BPSK	1	268	21.96	21.98	21.92	
50	PI/2 BPSK	135	0	21.99	21.96	21.87	
50	PI/2 BPSK	135	68	22.03	22.04	21.97	23.4
50	PI/2 BPSK	135	135	21.98	21.95	21.86	23.4
50	PI/2 BPSK	270	0	21.98	22.02	21.95	
50	QPSK	1	1	22.08	22.10	21.98	
50	QPSK	1	135	22.09	22.04	22.00	23.4
50	QPSK	1	268	22.00	21.94	21.85	
50	QPSK	135	0	22.04	22.07	21.94	
50	QPSK	135	68	21.97	22.01	21.91	23.4
50	QPSK	135	135	21.98	21.99	21.94	23.4
50	QPSK	270	0	22.02	22.03	21.93	
50	16QAM	1	1	22.06	22.08	21.98	
50	64QAM	1	1	21.32	21.31	21.25	22.6
50	256QAM	1	1	19.40	19.36	19.39	20.6
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	22.12	22.03	22.06	
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	22.09	22.09	22.00	
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	22.17	22.12	22.07	
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	22.15	22.09	22.02	
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	22.12	22.08	21.99	
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	22.12	22.06	22.02	
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	22.15	22.08	22.09	



<FR1 n7_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	17.3
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	17.07	17.14	17.03	
50	PI/2 BPSK	1	135	17.03	17.11	16.99	17.3
50	PI/2 BPSK	1	268	17.02	17.01	16.97	
50	PI/2 BPSK	135	0	16.98	17.04	16.93	
50	PI/2 BPSK	135	68	16.98	17.05	16.99	17.3
50	PI/2 BPSK	135	135	16.96	16.90	16.87	17.3
50	PI/2 BPSK	270	0	16.98	16.95	17.00	
50	QPSK	1	1	17.05	17.09	16.90	
50	QPSK	1	135	16.99	17.13	17.01	17.3
50	QPSK	1	268	16.98	17.12	17.02	
50	QPSK	135	0	16.92	16.93	16.92	
50	QPSK	135	68	16.93	17.06	16.89	17.3
50	QPSK	135	135	16.93	16.85	16.79	17.3
50	QPSK	270	0	16.89	16.94	16.89	
50	16QAM	1	1	17.00	16.98	16.92	
50	64QAM	1	1	17.01	16.94	16.95	17.3
50	256QAM	1	1	17.00	16.99	16.95	17.3
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	17.07	17.13	16.99	
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	16.97	17.13	16.98	
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	17.02	17.08	16.95	
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	16.97	17.13	16.93	
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	17.01	17.08	16.96	
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	17.07	17.13	16.93	
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	17.06	17.06	17.03	



<FR1 n7_Ant 1_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	22.6
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	22.19	22.13	22.09	
50	PI/2 BPSK	1	135	21.97	22.01	21.92	22.6
50	PI/2 BPSK	1	268	21.96	21.98	21.92	
50	PI/2 BPSK	135	0	21.99	21.96	21.87	
50	PI/2 BPSK	135	68	22.03	22.04	21.97	22.6
50	PI/2 BPSK	135	135	21.98	21.95	21.86	22.6
50	PI/2 BPSK	270	0	21.98	22.02	21.95	
50	QPSK	1	1	22.08	22.10	21.98	
50	QPSK	1	135	22.09	22.04	22.00	22.6
50	QPSK	1	268	22.00	21.94	21.85	
50	QPSK	135	0	22.04	22.07	21.94	
50	QPSK	135	68	21.97	22.01	21.91	22.6
50	QPSK	135	135	21.98	21.99	21.94	22.6
50	QPSK	270	0	22.02	22.03	21.93	
50	16QAM	1	1	22.06	22.08	21.98	
50	64QAM	1	1	21.32	21.31	21.25	22.6
50	256QAM	1	1	19.40	19.36	19.39	20.6
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	22.12	22.03	22.06	
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	22.09	22.09	22.00	
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	22.17	22.12	22.07	
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	22.15	22.09	22.02	
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	22.12	22.08	21.99	
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	22.12	22.06	22.02	
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	22.15	22.08	22.09	

<FR1 n12_Ant 0_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				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	21.2
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.13	24.23	24.11	
Channel				140300	141500	142700	25.7
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 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				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	23.1
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	23.1
15	PI/2 BPSK	36	43	21.96	22.01	21.93	23.1
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	23.1
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	23.1
15	QPSK	36	43	21.91	22.07	21.91	23.1
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	23.1
	256QAM	1	1	19.41	19.45	19.48	21.2
Channel				140800	141500	142200	23.1
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	21.94	21.98	21.99	
Channel				140300	141500	142700	23.1
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	21.92	22.04	22.06	

<FR1 n12_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				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	22.3
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	22.3
15	PI/2 BPSK	36	43	21.96	22.01	21.93	22.3
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	22.3
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	22.3
15	QPSK	36	43	21.91	22.07	21.91	22.3
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	22.3
	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	

<FR1 n12_Ant 0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	24.20	24.24	24.22	25.7
15	PI/2 BPSK	1	40	23.96	24.08	24.04	
15	PI/2 BPSK	1	77	24.03	24.13	24.03	
15	PI/2 BPSK	36	0	23.64	23.70	23.65	25.2
15	PI/2 BPSK	36	22	24.06	24.17	24.08	25.7
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	25.7
15	QPSK	36	43	23.16	23.22	23.18	24.7
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	23.2
	256QAM	1	1	19.57	19.67	19.63	21.2
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 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				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	21.2
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.93	23.80	23.90	
Channel				140300	141500	142700	25.7
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 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				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	21.2
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.13	24.23	24.11	
Channel				140300	141500	142700	25.7
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 5/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				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 2/3>

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

<FR1 n14_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		22.35		23.6
10	PI/2 BPSK	1	26		22.31		
10	PI/2 BPSK	1	50		22.28		
10	PI/2 BPSK	25	0		22.34		23.6
10	PI/2 BPSK	25	14		22.33		23.6
10	PI/2 BPSK	25	27		22.31		23.6
10	PI/2 BPSK	50	0		22.23		
10	QPSK	1	1		22.29		23.6
10	QPSK	1	26		22.34		
10	QPSK	1	50		22.30		
10	QPSK	25	0		22.32		23.6
10	QPSK	25	14		22.33		23.6
10	QPSK	25	27		22.29		23.6
10	QPSK	50	0		22.34		
10	16QAM	1	1		22.30		23.6
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	22.27	22.28	22.25	23.6

<FR1 n14_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		22.35		22.8
10	PI/2 BPSK	1	26		22.31		
10	PI/2 BPSK	1	50		22.28		
10	PI/2 BPSK	25	0		22.34		22.8
10	PI/2 BPSK	25	14		22.33		22.8
10	PI/2 BPSK	25	27		22.31		22.8
10	PI/2 BPSK	50	0		22.23		
10	QPSK	1	1		22.29		22.8
10	QPSK	1	26		22.34		
10	QPSK	1	50		22.30		
10	QPSK	25	0		22.32		22.8
10	QPSK	25	14		22.33		22.8
10	QPSK	25	27		22.29		22.8
10	QPSK	50	0		22.34		
10	16QAM	1	1		22.30		22.8
10	64QAM	1	1		21.67		22.8
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	22.27	22.28	22.25	22.8

<FR1 n14_Ant 0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					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 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					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 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					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 5/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					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 n25_Ant 2_Index 2/3>

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



<FR1 n25_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	16.2
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	15.16	15.15	15.13	
40	PI/2 BPSK	1	108	15.13	15.11	15.03	16.2
40	PI/2 BPSK	1	214	15.11	15.05	15.05	
40	PI/2 BPSK	108	0	15.08	15.00	15.04	
40	PI/2 BPSK	108	54	15.09	15.06	15.06	16.2
40	PI/2 BPSK	108	108	15.04	15.05	15.05	16.2
40	PI/2 BPSK	216	0	15.07	15.11	15.07	
40	QPSK	1	1	15.08	15.01	15.02	
40	QPSK	1	108	15.13	15.10	14.98	16.2
40	QPSK	1	214	15.05	15.01	14.90	
40	QPSK	108	0	15.06	15.10	14.99	
40	QPSK	108	54	14.96	14.94	14.96	16.2
40	QPSK	108	108	15.09	15.01	15.01	16.2
40	QPSK	216	0	15.14	15.06	15.06	
40	16QAM	1	1	15.02	14.98	15.03	
40	64QAM	1	1	15.14	15.07	15.07	16.2
40	256QAM	1	1	15.12	15.06	15.05	16.2
Channel				373500	376500	379500	16.2
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	15.06	15.13	15.03	
Channel				373000	376500	380000	16.2
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	15.09	15.15	15.12	
Channel				372500	376500	380500	16.2
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	15.10	15.11	15.10	
Channel				372000	376500	381000	16.2
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	15.14	15.09	15.08	
Channel				371500	376500	381500	16.2
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	15.14	15.07	15.06	
Channel				371000	376500	382000	16.2
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	15.06	15.06	15.08	
Channel				370500	376500	382500	16.2
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	15.08	15.08	15.10	



<FR1 n25_Ant 0_Index 2/3>

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



<FR1 n25_Ant 5_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	25.0
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	25.0
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	25.0
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	25.0
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	25.0
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	25.0
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	25.0
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	25.0
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	25.0
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	25.0

<FR1 n25_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	15.4
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	15.16	15.15	15.13	
40	PI/2 BPSK	1	108	15.13	15.11	15.03	15.4
40	PI/2 BPSK	1	214	15.11	15.05	15.05	
40	PI/2 BPSK	108	0	15.08	15.00	15.04	
40	PI/2 BPSK	108	54	15.09	15.06	15.06	15.4
40	PI/2 BPSK	108	108	15.04	15.05	15.05	15.4
40	PI/2 BPSK	216	0	15.07	15.11	15.07	
40	QPSK	1	1	15.08	15.01	15.02	
40	QPSK	1	108	15.13	15.10	14.98	15.4
40	QPSK	1	214	15.05	15.01	14.90	
40	QPSK	108	0	15.06	15.10	14.99	
40	QPSK	108	54	14.96	14.94	14.96	15.4
40	QPSK	108	108	15.09	15.01	15.01	15.4
40	QPSK	216	0	15.14	15.06	15.06	
40	16QAM	1	1	15.02	14.98	15.03	
40	64QAM	1	1	15.14	15.07	15.07	15.4
40	256QAM	1	1	15.12	15.06	15.05	15.4
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	15.06	15.13	15.03	
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	15.09	15.15	15.12	
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	15.10	15.11	15.10	
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	15.14	15.09	15.08	
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	15.14	15.07	15.06	
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	15.06	15.06	15.08	
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	15.08	15.08	15.10	



<FR1 n25_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	18.1
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	17.21	17.22	17.20	
40	PI/2 BPSK	1	108	17.16	17.15	17.10	18.1
40	PI/2 BPSK	1	214	17.17	17.08	17.12	
40	PI/2 BPSK	108	0	17.07	17.04	17.03	
40	PI/2 BPSK	108	54	17.11	17.13	17.08	18.1
40	PI/2 BPSK	108	108	17.05	16.99	16.98	18.1
40	PI/2 BPSK	216	0	16.99	17.04	16.95	
40	QPSK	1	1	17.15	17.18	17.12	
40	QPSK	1	108	17.13	17.04	17.00	18.1
40	QPSK	1	214	17.04	17.04	17.07	
40	QPSK	108	0	17.07	17.07	17.10	
40	QPSK	108	54	17.09	16.97	17.06	18.1
40	QPSK	108	108	16.99	16.91	16.97	18.1
40	QPSK	216	0	17.02	17.03	17.06	
40	16QAM	1	1	17.13	16.96	17.05	
40	64QAM	1	1	17.13	16.99	17.00	18.1
40	256QAM	1	1	17.08	17.05	17.11	18.1
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	17.12	17.13	17.09	
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	17.14	17.12	17.07	
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	17.06	17.18	17.11	
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	17.06	17.16	17.09	
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	17.05	17.18	17.05	
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	17.15	17.11	17.05	
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	17.12	17.12	17.07	

<FR1 n25_Ant 1_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	21.2
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	20.75	20.81	20.71	
40	PI/2 BPSK	1	108	20.68	20.59	20.63	21.2
40	PI/2 BPSK	1	214	20.60	20.65	20.69	
40	PI/2 BPSK	108	0	20.60	20.69	20.55	
40	PI/2 BPSK	108	54	20.63	20.71	20.66	21.2
40	PI/2 BPSK	108	108	20.58	20.67	20.54	21.2
40	PI/2 BPSK	216	0	20.65	20.68	20.48	
40	QPSK	1	1	20.72	20.78	20.63	
40	QPSK	1	108	20.57	20.60	20.51	21.2
40	QPSK	1	214	20.68	20.55	20.45	
40	QPSK	108	0	20.60	20.69	20.60	
40	QPSK	108	54	20.62	20.69	20.45	21.2
40	QPSK	108	108	20.66	20.62	20.57	21.2
40	QPSK	216	0	20.50	20.64	20.49	
40	16QAM	1	1	20.64	20.62	20.52	
40	64QAM	1	1	20.54	20.61	20.50	21.2
40	256QAM	1	1	19.47	19.47	19.34	21.1
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	20.69	20.72	20.65	
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	20.70	20.78	20.71	
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	20.69	20.74	20.68	
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	20.68	20.80	20.71	
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	20.66	20.73	20.65	
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	20.74	20.75	20.62	
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	20.74	20.80	20.63	

<FR1 n25_Ant 0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	21.9
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	21.55	21.69	21.50	
40	PI/2 BPSK	1	108	21.54	21.60	21.44	21.9
40	PI/2 BPSK	1	214	21.46	21.60	21.31	
40	PI/2 BPSK	108	0	21.47	21.48	21.46	
40	PI/2 BPSK	108	54	21.48	21.61	21.52	21.9
40	PI/2 BPSK	108	108	21.46	21.55	21.44	21.9
40	PI/2 BPSK	216	0	21.45	21.58	21.33	
40	QPSK	1	1	21.54	21.49	21.39	
40	QPSK	1	108	21.43	21.57	21.38	21.9
40	QPSK	1	214	21.54	21.56	21.49	
40	QPSK	108	0	21.46	21.57	21.41	
40	QPSK	108	54	21.52	21.58	21.33	21.9
40	QPSK	108	108	21.42	21.46	21.34	21.9
40	QPSK	216	0	21.41	21.50	21.45	
40	16QAM	1	1	21.39	21.49	21.42	
40	64QAM	1	1	21.41	21.41	21.46	21.9
40	256QAM	1	1	19.41	19.60	19.35	21.1
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	21.52	21.65	21.46	
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	21.45	21.58	21.47	
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	21.52	21.55	21.45	
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	21.51	21.64	21.46	
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	21.46	21.59	21.50	
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	21.49	21.61	21.44	
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	21.49	21.59	21.48	



<FR1 n25_Ant 5_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	25.0
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	25.0
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	24.0
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	25.0
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	25.0
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	25.0
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	25.0
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	25.0
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	25.0
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	25.0



<FR1 n25_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	19.5
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	17.81	17.82	17.80	
40	PI/2 BPSK	1	108	17.76	17.75	17.70	19.5
40	PI/2 BPSK	1	214	17.77	17.68	17.72	
40	PI/2 BPSK	108	0	17.67	17.64	17.63	
40	PI/2 BPSK	108	54	17.71	17.73	17.68	19.5
40	PI/2 BPSK	108	108	17.65	17.59	17.58	19.5
40	PI/2 BPSK	216	0	17.59	17.64	17.55	
40	QPSK	1	1	17.75	17.78	17.72	
40	QPSK	1	108	17.73	17.64	17.60	19.5
40	QPSK	1	214	17.64	17.64	17.67	
40	QPSK	108	0	17.67	17.67	17.70	
40	QPSK	108	54	17.69	17.57	17.66	19.5
40	QPSK	108	108	17.59	17.51	17.57	19.5
40	QPSK	216	0	17.62	17.63	17.66	
40	16QAM	1	1	17.73	17.56	17.65	
40	64QAM	1	1	17.73	17.59	17.60	19.5
40	256QAM	1	1	17.68	17.65	17.71	19.5
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	17.72	17.73	17.69	
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	17.74	17.72	17.67	
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	17.66	17.78	17.71	
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	17.66	17.76	17.69	
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	17.65	17.78	17.65	
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	17.75	17.71	17.65	
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	17.72	17.72	17.67	

<FR1 n25_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	22.1
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	20.75	20.81	20.71	
40	PI/2 BPSK	1	108	20.68	20.59	20.63	22.1
40	PI/2 BPSK	1	214	20.60	20.65	20.69	
40	PI/2 BPSK	108	0	20.60	20.69	20.55	
40	PI/2 BPSK	108	54	20.63	20.71	20.66	22.1
40	PI/2 BPSK	108	108	20.58	20.67	20.54	22.1
40	PI/2 BPSK	216	0	20.65	20.68	20.48	
40	QPSK	1	1	20.72	20.78	20.63	
40	QPSK	1	108	20.57	20.60	20.51	22.1
40	QPSK	1	214	20.68	20.55	20.45	
40	QPSK	108	0	20.60	20.69	20.60	
40	QPSK	108	54	20.62	20.69	20.45	22.1
40	QPSK	108	108	20.66	20.62	20.57	22.1
40	QPSK	216	0	20.50	20.64	20.49	
40	16QAM	1	1	20.64	20.62	20.52	
40	64QAM	1	1	20.54	20.61	20.50	22.1
40	256QAM	1	1	19.47	19.47	19.34	21.1
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	20.69	20.72	20.65	
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	20.70	20.78	20.71	
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	20.69	20.74	20.68	
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	20.68	20.80	20.71	
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	20.66	20.73	20.65	
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	20.74	20.75	20.62	
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	20.74	20.80	20.63	



<FR1 n25_Ant 0_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	23.5
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	22.24	22.26	22.21	
40	PI/2 BPSK	1	108	22.11	22.20	22.14	23.5
40	PI/2 BPSK	1	214	22.23	22.14	22.15	
40	PI/2 BPSK	108	0	22.05	22.13	22.10	
40	PI/2 BPSK	108	54	22.21	22.26	22.17	23.5
40	PI/2 BPSK	108	108	22.07	22.08	22.13	23.5
40	PI/2 BPSK	216	0	22.20	22.13	22.12	
40	QPSK	1	1	22.19	22.21	22.21	
40	QPSK	1	108	22.12	22.21	22.06	23.5
40	QPSK	1	214	22.17	22.19	22.10	
40	QPSK	108	0	22.11	22.12	22.13	
40	QPSK	108	54	22.12	22.10	22.16	23.5
40	QPSK	108	108	22.14	22.09	22.13	23.5
40	QPSK	216	0	22.07	22.05	22.13	
40	16QAM	1	1	22.15	22.20	22.15	
40	64QAM	1	1	21.44	21.44	21.36	23.1
40	256QAM	1	1	19.55	19.59	19.44	21.1
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	22.19	22.18	22.17	
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	22.14	22.18	22.14	
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	22.23	22.17	22.19	
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	22.15	22.20	22.16	
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	22.16	22.17	22.19	
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	22.23	22.22	22.21	
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	22.22	22.20	22.11	



<FR1 n25_Ant 5_Index 5/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	25.0
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	25.0
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	24.0
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	25.0
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	25.0
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	25.0
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	25.0
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	25.0
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	25.0
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	25.0



<FR1 n25_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	18.7
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	17.81	17.82	17.80	
40	PI/2 BPSK	1	108	17.76	17.75	17.70	18.7
40	PI/2 BPSK	1	214	17.77	17.68	17.72	
40	PI/2 BPSK	108	0	17.67	17.64	17.63	
40	PI/2 BPSK	108	54	17.71	17.73	17.68	18.7
40	PI/2 BPSK	108	108	17.65	17.59	17.58	18.7
40	PI/2 BPSK	216	0	17.59	17.64	17.55	
40	QPSK	1	1	17.75	17.78	17.72	
40	QPSK	1	108	17.73	17.64	17.60	18.7
40	QPSK	1	214	17.64	17.64	17.67	
40	QPSK	108	0	17.67	17.67	17.70	
40	QPSK	108	54	17.69	17.57	17.66	18.7
40	QPSK	108	108	17.59	17.51	17.57	18.7
40	QPSK	216	0	17.62	17.63	17.66	
40	16QAM	1	1	17.73	17.56	17.65	
40	64QAM	1	1	17.73	17.59	17.60	18.7
40	256QAM	1	1	17.68	17.65	17.71	18.7
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	17.72	17.73	17.69	
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	17.74	17.72	17.67	
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	17.66	17.78	17.71	
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	17.66	17.76	17.69	
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	17.65	17.78	17.65	
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	17.75	17.71	17.65	
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	17.72	17.72	17.67	

<FR1 n25_Ant 1_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	21.3
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	20.75	20.81	20.71	
40	PI/2 BPSK	1	108	20.68	20.59	20.63	21.3
40	PI/2 BPSK	1	214	20.60	20.65	20.69	
40	PI/2 BPSK	108	0	20.60	20.69	20.55	
40	PI/2 BPSK	108	54	20.63	20.71	20.66	21.3
40	PI/2 BPSK	108	108	20.58	20.67	20.54	21.3
40	PI/2 BPSK	216	0	20.65	20.68	20.48	
40	QPSK	1	1	20.72	20.78	20.63	
40	QPSK	1	108	20.57	20.60	20.51	21.3
40	QPSK	1	214	20.68	20.55	20.45	
40	QPSK	108	0	20.60	20.69	20.60	
40	QPSK	108	54	20.62	20.69	20.45	21.3
40	QPSK	108	108	20.66	20.62	20.57	21.3
40	QPSK	216	0	20.50	20.64	20.49	
40	16QAM	1	1	20.64	20.62	20.52	
40	64QAM	1	1	20.54	20.61	20.50	21.3
40	256QAM	1	1	19.47	19.47	19.34	21.1
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	20.69	20.72	20.65	
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	20.70	20.78	20.71	
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	20.69	20.74	20.68	
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	20.68	20.80	20.71	
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	20.66	20.73	20.65	
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	20.74	20.75	20.62	
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	20.74	20.80	20.63	



<FR1 n25_Ant 0_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	22.7
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	22.24	22.26	22.21	
40	PI/2 BPSK	1	108	22.11	22.20	22.14	22.7
40	PI/2 BPSK	1	214	22.23	22.14	22.15	
40	PI/2 BPSK	108	0	22.05	22.13	22.10	
40	PI/2 BPSK	108	54	22.21	22.26	22.17	22.7
40	PI/2 BPSK	108	108	22.07	22.08	22.13	22.7
40	PI/2 BPSK	216	0	22.20	22.13	22.12	
40	QPSK	1	1	22.19	22.21	22.21	
40	QPSK	1	108	22.12	22.21	22.06	22.7
40	QPSK	1	214	22.17	22.19	22.10	
40	QPSK	108	0	22.11	22.12	22.13	
40	QPSK	108	54	22.12	22.10	22.16	22.7
40	QPSK	108	108	22.14	22.09	22.13	22.7
40	QPSK	216	0	22.07	22.05	22.13	
40	16QAM	1	1	22.15	22.20	22.15	
40	64QAM	1	1	21.44	21.44	21.36	22.7
40	256QAM	1	1	19.55	19.59	19.44	21.1
Channel				373500	376500	379500	Tune-up limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	22.19	22.18	22.17	
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	22.14	22.18	22.14	
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	22.23	22.17	22.19	
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	22.15	22.20	22.16	
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	22.16	22.17	22.19	
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	22.23	22.22	22.21	
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	22.22	22.20	22.11	



<FR1 n26_Ant 0_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	25.7
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	25.2
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	
20	PI/2 BPSK	100	0	23.80	23.82	23.51	
20	QPSK	1	1	24.24	24.31	24.02	25.7
20	QPSK	1	53	24.35	24.39	24.02	
20	QPSK	1	104	24.24	24.30	23.98	
20	QPSK	50	0	23.32	23.36	23.02	24.7
20	QPSK	50	28	24.25	24.32	24.01	25.7
20	QPSK	50	56	23.37	23.36	23.09	24.7
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	23.2
20	256QAM	1	1	19.72	19.80	19.48	21.2
Channel				164300	166300	168300	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	24.31	24.26	24.10	25.7
Channel				163800	166300	168800	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	24.25	24.38	24.16	25.7
Channel				163300	166300	169300	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	24.32	24.30	24.06	25.7



<FR1 n26_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	
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	24.0
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	24.0
20	PI/2 BPSK	50	56	22.83	22.87	22.67	24.0
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	24.0
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	24.0
20	QPSK	50	56	22.96	22.74	22.71	24.0
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	23.2
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	



<FR1 n26_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	23.2
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	23.2
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	23.2
20	PI/2 BPSK	50	56	22.83	22.87	22.67	23.2
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	23.2
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	23.2
20	QPSK	50	56	22.96	22.74	22.71	23.2
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	23.2
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	



<FR1 n26_Ant 0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				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 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				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	25.7
20	PI/2 BPSK	50	56	23.54	23.61	23.45	25.2
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	24.7
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



<FR1 n26_Ant 0_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	25.7
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	25.2
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	
20	PI/2 BPSK	100	0	23.80	23.82	23.51	
20	QPSK	1	1	24.24	24.31	24.02	25.7
20	QPSK	1	53	24.35	24.39	24.02	
20	QPSK	1	104	24.24	24.30	23.98	
20	QPSK	50	0	23.32	23.36	23.02	24.7
20	QPSK	50	28	24.25	24.32	24.01	25.7
20	QPSK	50	56	23.37	23.36	23.09	24.7
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	23.2
20	256QAM	1	1	19.72	19.80	19.48	21.2
Channel				164300	166300	168300	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	24.31	24.26	24.10	25.7
Channel				163800	166300	168800	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	24.25	24.38	24.16	25.7
Channel				163300	166300	169300	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	24.32	24.30	24.06	25.7



<FR1 n26_Ant 1_Index 5/6>

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

<FR1 n26_Ant 0_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				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 6>

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



<FR1 n30_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.45		23.5
10	PI/2 BPSK	1	26		22.37		
10	PI/2 BPSK	1	50		22.36		
10	PI/2 BPSK	25	0		21.83		23.0
10	PI/2 BPSK	25	14		22.36		23.5
10	PI/2 BPSK	25	27		21.87		23.0
10	PI/2 BPSK	50	0		21.84		
10	QPSK	1	1		22.42		23.5
10	QPSK	1	26		22.38		
10	QPSK	1	50		22.36		
10	QPSK	25	0		21.32		22.5
10	QPSK	25	14		22.35		23.5
10	QPSK	25	27		21.34		22.5
10	QPSK	50	0		21.33		
10	16QAM	1	1		21.44		22.5
10	64QAM	1	1		19.87		21.0
10	256QAM	1	1		17.87		19.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	22.32	22.39	22.26	23.5

<FR1 n30_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.45		22.8
10	PI/2 BPSK	1	26		22.37		
10	PI/2 BPSK	1	50		22.36		
10	PI/2 BPSK	25	0		21.83		22.8
10	PI/2 BPSK	25	14		22.36		22.8
10	PI/2 BPSK	25	27		21.87		22.8
10	PI/2 BPSK	50	0		21.84		
10	QPSK	1	1		22.42		22.8
10	QPSK	1	26		22.38		
10	QPSK	1	50		22.36		
10	QPSK	25	0		21.32		22.5
10	QPSK	25	14		22.35		22.8
10	QPSK	25	27		21.34		22.5
10	QPSK	50	0		21.33		
10	16QAM	1	1		21.44		22.5
10	64QAM	1	1		19.87		21.0
10	256QAM	1	1		17.87		19.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	22.32	22.39	22.26	22.8



<FR1 n30_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		16.39		
10	PI/2 BPSK	1	26		16.35		17.0
10	PI/2 BPSK	1	50		16.34		
10	PI/2 BPSK	25	0		16.33		
10	PI/2 BPSK	25	14		16.37		17.0
10	PI/2 BPSK	25	27		16.29		17.0
10	PI/2 BPSK	50	0		16.29		
10	QPSK	1	1		16.30		17.0
10	QPSK	1	26		16.31		
10	QPSK	1	50		16.35		
10	QPSK	25	0		16.31		17.0
10	QPSK	25	14		16.34		17.0
10	QPSK	25	27		16.26		17.0
10	QPSK	50	0		16.27		
10	16QAM	1	1		16.28		17.0
10	64QAM	1	1		16.32		17.0
10	256QAM	1	1		16.31		17.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	16.33	16.35	16.31	

<FR1 n30_Ant 1_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.45		23.1
10	PI/2 BPSK	1	26		22.37		
10	PI/2 BPSK	1	50		22.36		
10	PI/2 BPSK	25	0		21.83		23.0
10	PI/2 BPSK	25	14		22.36		23.1
10	PI/2 BPSK	25	27		21.87		23.0
10	PI/2 BPSK	50	0		21.84		
10	QPSK	1	1		22.42		23.1
10	QPSK	1	26		22.38		
10	QPSK	1	50		22.36		
10	QPSK	25	0		21.32		22.5
10	QPSK	25	14		22.35		23.1
10	QPSK	25	27		21.34		22.5
10	QPSK	50	0		21.33		
10	16QAM	1	1		21.44		22.5
10	64QAM	1	1		19.87		21.0
10	256QAM	1	1		17.87		19.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	22.32	22.39	22.26	

<FR1 n30_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		16.39		18.2
10	PI/2 BPSK	1	26		16.35		
10	PI/2 BPSK	1	50		16.34		
10	PI/2 BPSK	25	0		16.33		18.2
10	PI/2 BPSK	25	14		16.37		18.2
10	PI/2 BPSK	25	27		16.29		18.2
10	PI/2 BPSK	50	0		16.29		
10	QPSK	1	1		16.30		18.2
10	QPSK	1	26		16.31		
10	QPSK	1	50		16.35		
10	QPSK	25	0		16.31		18.2
10	QPSK	25	14		16.34		18.2
10	QPSK	25	27		16.26		18.2
10	QPSK	50	0		16.27		
10	16QAM	1	1		16.28		18.2
10	64QAM	1	1		16.32		18.2
10	256QAM	1	1		16.31		18.2
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	16.33	16.35	16.31	18.2

<FR1 n30_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.45		23.5
10	PI/2 BPSK	1	26		22.37		
10	PI/2 BPSK	1	50		22.36		
10	PI/2 BPSK	25	0		21.83		23.0
10	PI/2 BPSK	25	14		22.36		23.5
10	PI/2 BPSK	25	27		21.87		23.0
10	PI/2 BPSK	50	0		21.84		
10	QPSK	1	1		22.42		23.5
10	QPSK	1	26		22.38		
10	QPSK	1	50		22.36		
10	QPSK	25	0		21.32		22.5
10	QPSK	25	14		22.35		23.5
10	QPSK	25	27		21.34		22.5
10	QPSK	50	0		21.33		
10	16QAM	1	1		21.44		22.5
10	64QAM	1	1		19.87		21.0
10	256QAM	1	1		17.87		19.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	22.32	22.39	22.26	23.5



<FR1 n30_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		16.39		17.4
10	PI/2 BPSK	1	26		16.35		
10	PI/2 BPSK	1	50		16.34		
10	PI/2 BPSK	25	0		16.33		17.4
10	PI/2 BPSK	25	14		16.37		17.4
10	PI/2 BPSK	25	27		16.29		17.4
10	PI/2 BPSK	50	0		16.29		
10	QPSK	1	1		16.30		17.4
10	QPSK	1	26		16.31		
10	QPSK	1	50		16.35		
10	QPSK	25	0		16.31		17.4
10	QPSK	25	14		16.34		17.4
10	QPSK	25	27		16.26		17.4
10	QPSK	50	0		16.27		
10	16QAM	1	1		16.28		17.4
10	64QAM	1	1		16.32		17.4
10	256QAM	1	1		16.31		17.4
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	16.33	16.35	16.31	17.4

<FR1 n30_Ant 1_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.45		23.1
10	PI/2 BPSK	1	26		22.37		
10	PI/2 BPSK	1	50		22.36		
10	PI/2 BPSK	25	0		21.83		23.0
10	PI/2 BPSK	25	14		22.36		23.1
10	PI/2 BPSK	25	27		21.87		23.0
10	PI/2 BPSK	50	0		21.84		
10	QPSK	1	1		22.42		23.1
10	QPSK	1	26		22.38		
10	QPSK	1	50		22.36		
10	QPSK	25	0		21.32		22.5
10	QPSK	25	14		22.35		23.1
10	QPSK	25	27		21.34		22.5
10	QPSK	50	0		21.33		
10	16QAM	1	1		21.44		22.5
10	64QAM	1	1		19.87		21.0
10	256QAM	1	1		17.87		19.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	22.32	22.39	22.26	23.1



<FR1 n38_Ant 2_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
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	25.1
40	PI/2 BPSK	1	104	24.28	24.34	24.29	
40	PI/2 BPSK	50	0	23.79	23.88	23.78	24.6
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	24.6
40	PI/2 BPSK	100	0	23.84	23.88	23.78	
40	QPSK	1	1	24.33	24.42	24.29	25.1
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	24.1
40	QPSK	50	28	24.37	24.39	24.32	25.1
40	QPSK	50	56	23.31	23.33	23.26	24.1
40	QPSK	100	0	23.34	23.38	23.29	
40	16QAM	1	1	23.31	23.39	23.30	24.1
40	64QAM	1	1	21.89	21.93	21.87	22.6
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	25.1
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	25.1
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	25.1
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	25.1
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	25.1



<FR1 n38_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	22.26	22.27	22.26	
40	PI/2 BPSK	1	53	22.08	22.12	22.21	23.7
40	PI/2 BPSK	1	104	22.26	22.15	22.10	
40	PI/2 BPSK	50	0	22.21	22.19	22.07	
40	PI/2 BPSK	50	28	22.23	22.25	22.23	23.7
40	PI/2 BPSK	50	56	22.17	22.22	22.21	23.7
40	PI/2 BPSK	100	0	22.19	22.20	22.16	
40	QPSK	1	1	22.12	22.13	22.17	
40	QPSK	1	53	22.21	22.22	22.23	23.7
40	QPSK	1	104	22.23	22.11	22.26	
40	QPSK	50	0	22.24	22.23	22.21	
40	QPSK	50	28	22.06	22.25	22.11	23.7
40	QPSK	50	56	22.12	22.18	22.21	23.7
40	QPSK	100	0	22.15	22.14	22.15	
40	16QAM	1	1	22.07	22.20	22.23	
40	64QAM	1	1	21.84	21.86	21.82	22.6
40	256QAM	1	1	20.03	20.06	20.02	20.6
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	22.20	22.21	22.09	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	22.13	22.18	22.17	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	22.26	22.07	22.07	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	22.15	22.11	22.25	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	22.07	22.16	22.08	



<FR1 n38_Ant 0_Index 2/3>

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



<FR1 n38_Ant 5_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	19.55	19.59	19.49	
40	PI/2 BPSK	1	53	19.43	19.47	19.27	20.6
40	PI/2 BPSK	1	104	19.29	19.40	19.23	
40	PI/2 BPSK	50	0	19.35	19.44	19.24	
40	PI/2 BPSK	50	28	19.43	19.50	19.40	20.6
40	PI/2 BPSK	50	56	19.38	19.44	19.28	20.6
40	PI/2 BPSK	100	0	19.36	19.43	19.33	
40	QPSK	1	1	19.42	19.54	19.37	
40	QPSK	1	53	19.32	19.45	19.29	20.6
40	QPSK	1	104	19.28	19.38	19.20	
40	QPSK	50	0	19.33	19.45	19.34	
40	QPSK	50	28	19.45	19.53	19.43	20.6
40	QPSK	50	56	19.32	19.43	19.33	20.6
40	QPSK	100	0	19.32	19.45	19.30	
40	16QAM	1	1	19.47	19.54	19.42	
40	64QAM	1	1	19.25	19.39	19.26	20.6
40	256QAM	1	1	19.30	19.35	19.15	20.3
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	19.55	19.50	19.39	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	19.48	19.57	19.39	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	19.45	19.51	19.43	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	19.45	19.53	19.49	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	19.50	19.57	19.43	



<FR1 n38_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	22.26	22.27	22.26	
40	PI/2 BPSK	1	53	22.08	22.12	22.21	22.9
40	PI/2 BPSK	1	104	22.26	22.15	22.10	
40	PI/2 BPSK	50	0	22.21	22.19	22.07	
40	PI/2 BPSK	50	28	22.23	22.25	22.23	22.9
40	PI/2 BPSK	50	56	22.17	22.22	22.21	22.9
40	PI/2 BPSK	100	0	22.19	22.20	22.16	
40	QPSK	1	1	22.12	22.13	22.17	
40	QPSK	1	53	22.21	22.22	22.23	22.9
40	QPSK	1	104	22.23	22.11	22.26	
40	QPSK	50	0	22.24	22.23	22.21	
40	QPSK	50	28	22.06	22.25	22.11	22.9
40	QPSK	50	56	22.12	22.18	22.21	22.9
40	QPSK	100	0	22.15	22.14	22.15	
40	16QAM	1	1	22.07	22.20	22.23	
40	64QAM	1	1	21.84	21.86	21.82	22.6
40	256QAM	1	1	20.03	20.06	20.02	20.6
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	22.20	22.21	22.09	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	22.13	22.18	22.17	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	22.26	22.07	22.07	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	22.15	22.11	22.25	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	22.07	22.16	22.08	



<FR1 n38_Ant 5_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	19.8
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	19.55	19.59	19.49	
40	PI/2 BPSK	1	53	19.43	19.47	19.27	19.8
40	PI/2 BPSK	1	104	19.29	19.40	19.23	
40	PI/2 BPSK	50	0	19.35	19.44	19.24	
40	PI/2 BPSK	50	28	19.43	19.50	19.40	19.8
40	PI/2 BPSK	50	56	19.38	19.44	19.28	19.8
40	PI/2 BPSK	100	0	19.36	19.43	19.33	
40	QPSK	1	1	19.42	19.54	19.37	
40	QPSK	1	53	19.32	19.45	19.29	19.8
40	QPSK	1	104	19.28	19.38	19.20	
40	QPSK	50	0	19.33	19.45	19.34	
40	QPSK	50	28	19.45	19.53	19.43	19.8
40	QPSK	50	56	19.32	19.43	19.33	19.8
40	QPSK	100	0	19.32	19.45	19.30	
40	16QAM	1	1	19.47	19.54	19.42	
40	64QAM	1	1	19.25	19.39	19.26	19.8
40	256QAM	1	1	19.30	19.35	19.15	19.8
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	19.55	19.50	19.39	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	19.48	19.57	19.39	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	19.45	19.51	19.43	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	19.45	19.53	19.49	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	19.50	19.57	19.43	



<FR1 n38_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	18.6
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	18.25	18.27	18.24	
40	PI/2 BPSK	1	53	18.11	18.20	18.17	18.6
40	PI/2 BPSK	1	104	18.06	18.16	18.06	
40	PI/2 BPSK	50	0	18.18	18.21	18.11	
40	PI/2 BPSK	50	28	18.20	18.23	18.16	18.6
40	PI/2 BPSK	50	56	18.07	18.17	18.04	18.6
40	PI/2 BPSK	100	0	18.10	18.21	18.14	
40	QPSK	1	1	18.21	18.23	18.16	
40	QPSK	1	53	18.11	18.18	18.12	18.6
40	QPSK	1	104	18.16	18.19	18.11	
40	QPSK	50	0	18.16	18.22	18.12	
40	QPSK	50	28	18.18	18.21	18.09	18.6
40	QPSK	50	56	18.04	18.15	18.12	18.6
40	QPSK	100	0	18.15	18.19	18.07	
40	16QAM	1	1	18.15	18.21	18.09	
40	64QAM	1	1	18.16	18.25	18.22	18.6
40	256QAM	1	1	18.24	18.26	18.22	18.6
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	18.18	18.23	18.14	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	18.22	18.17	18.20	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	18.22	18.17	18.18	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	18.14	18.23	18.22	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	18.17	18.18	18.18	



<FR1 n38_Ant 1_Index 4/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	21.4
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	21.12	21.25	21.16	
40	PI/2 BPSK	1	53	20.93	21.06	20.88	21.4
40	PI/2 BPSK	1	104	20.78	20.94	20.76	
40	PI/2 BPSK	50	0	20.99	21.07	20.88	
40	PI/2 BPSK	50	28	21.05	21.11	20.93	21.4
40	PI/2 BPSK	50	56	20.78	20.92	20.86	21.4
40	PI/2 BPSK	100	0	20.84	21.05	20.87	
40	QPSK	1	1	20.96	21.04	20.93	
40	QPSK	1	53	20.93	21.07	20.96	21.4
40	QPSK	1	104	20.82	20.97	20.79	
40	QPSK	50	0	20.89	21.01	20.99	
40	QPSK	50	28	20.98	21.03	20.89	21.4
40	QPSK	50	56	20.93	20.97	20.92	21.4
40	QPSK	100	0	20.85	21.01	20.91	
40	16QAM	1	1	20.93	21.14	21.00	
40	64QAM	1	1	21.02	21.07	21.11	21.4
40	256QAM	1	1	20.05	20.03	19.99	20.6
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	21.06	21.18	21.09	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	21.07	21.23	21.14	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	21.06	21.19	21.09	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	21.06	21.24	21.07	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	21.06	21.23	21.15	



<FR1 n38_Ant 0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	22.6
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	22.02	22.04	22.03	
40	PI/2 BPSK	1	53	21.90	21.98	21.90	22.6
40	PI/2 BPSK	1	104	21.90	21.92	21.89	
40	PI/2 BPSK	50	0	21.89	21.96	21.93	
40	PI/2 BPSK	50	28	21.91	21.99	21.94	22.6
40	PI/2 BPSK	50	56	21.83	21.94	21.91	22.6
40	PI/2 BPSK	100	0	21.87	21.94	21.93	
40	QPSK	1	1	21.93	22.02	22.01	
40	QPSK	1	53	21.89	21.94	21.87	22.6
40	QPSK	1	104	21.91	21.96	21.86	
40	QPSK	50	0	21.92	21.97	21.91	
40	QPSK	50	28	21.96	21.98	21.95	22.6
40	QPSK	50	56	21.84	21.96	21.91	22.6
40	QPSK	100	0	21.86	21.93	21.90	
40	16QAM	1	1	21.93	21.96	21.95	
40	64QAM	1	1	21.52	21.64	21.58	22.6
40	256QAM	1	1	19.75	19.77	19.70	20.6
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	21.99	21.95	21.94	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	22.02	21.94	22.03	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	21.95	21.98	22.03	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	21.95	21.96	21.98	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	22.00	21.98	22.01	



<FR1 n38_Ant 5_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	22.7
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	22.7
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	22.7
40	PI/2 BPSK	50	56	22.20	22.48	22.32	22.7
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	22.7
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	22.7
40	QPSK	50	56	22.41	22.38	22.25	22.7
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	



<FR1 n38_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	19.6
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	18.25	18.27	18.24	
40	PI/2 BPSK	1	53	18.11	18.20	18.17	19.6
40	PI/2 BPSK	1	104	18.06	18.16	18.06	
40	PI/2 BPSK	50	0	18.18	18.21	18.11	
40	PI/2 BPSK	50	28	18.20	18.23	18.16	19.6
40	PI/2 BPSK	50	56	18.07	18.17	18.04	19.6
40	PI/2 BPSK	100	0	18.10	18.21	18.14	
40	QPSK	1	1	18.21	18.23	18.16	
40	QPSK	1	53	18.11	18.18	18.12	19.6
40	QPSK	1	104	18.16	18.19	18.11	
40	QPSK	50	0	18.16	18.22	18.12	
40	QPSK	50	28	18.18	18.21	18.09	19.6
40	QPSK	50	56	18.04	18.15	18.12	19.6
40	QPSK	100	0	18.15	18.19	18.07	
40	16QAM	1	1	18.15	18.21	18.09	
40	64QAM	1	1	18.16	18.25	18.22	19.6
40	256QAM	1	1	18.24	18.26	18.22	19.6
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	18.18	18.23	18.14	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	18.22	18.17	18.20	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	18.22	18.17	18.18	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	18.14	18.23	18.22	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	18.17	18.18	18.18	



<FR1 n38_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	22.2
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	21.12	21.25	21.16	
40	PI/2 BPSK	1	53	20.93	21.06	20.88	22.2
40	PI/2 BPSK	1	104	20.78	20.94	20.76	
40	PI/2 BPSK	50	0	20.99	21.07	20.88	
40	PI/2 BPSK	50	28	21.05	21.11	20.93	22.2
40	PI/2 BPSK	50	56	20.78	20.92	20.86	22.2
40	PI/2 BPSK	100	0	20.84	21.05	20.87	
40	QPSK	1	1	20.96	21.04	20.93	
40	QPSK	1	53	20.93	21.07	20.96	22.2
40	QPSK	1	104	20.82	20.97	20.79	
40	QPSK	50	0	20.89	21.01	20.99	
40	QPSK	50	28	20.98	21.03	20.89	22.2
40	QPSK	50	56	20.93	20.97	20.92	22.2
40	QPSK	100	0	20.85	21.01	20.91	
40	16QAM	1	1	20.93	21.14	21.00	
40	64QAM	1	1	21.02	21.07	21.11	22.2
40	256QAM	1	1	20.05	20.03	19.99	20.6
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	21.06	21.18	21.09	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	21.07	21.23	21.14	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	21.06	21.19	21.09	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	21.06	21.24	21.07	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	21.06	21.23	21.15	



<FR1 n38_Ant 0_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	23.4
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	22.02	22.04	22.03	
40	PI/2 BPSK	1	53	21.90	21.98	21.90	23.4
40	PI/2 BPSK	1	104	21.90	21.92	21.89	
40	PI/2 BPSK	50	0	21.89	21.96	21.93	
40	PI/2 BPSK	50	28	21.91	21.99	21.94	23.4
40	PI/2 BPSK	50	56	21.83	21.94	21.91	23.4
40	PI/2 BPSK	100	0	21.87	21.94	21.93	
40	QPSK	1	1	21.93	22.02	22.01	
40	QPSK	1	53	21.89	21.94	21.87	23.4
40	QPSK	1	104	21.91	21.96	21.86	
40	QPSK	50	0	21.92	21.97	21.91	
40	QPSK	50	28	21.96	21.98	21.95	23.4
40	QPSK	50	56	21.84	21.96	21.91	23.4
40	QPSK	100	0	21.86	21.93	21.90	
40	16QAM	1	1	21.93	21.96	21.95	
40	64QAM	1	1	21.52	21.64	21.58	22.6
40	256QAM	1	1	19.75	19.77	19.70	20.6
Channel				517000	519000	521000	23.4
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	21.99	21.95	21.94	
Channel				516500	519000	521500	23.4
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	22.02	21.94	22.03	
Channel				516000	519000	522000	23.4
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	21.95	21.98	22.03	
Channel				515500	519000	522500	23.4
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	21.95	21.96	21.98	
Channel				515000	519000	523000	23.4
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	22.00	21.98	22.01	



<FR1 n38_Ant 5_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	23.5
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	23.5
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	23.5
40	PI/2 BPSK	50	56	22.20	22.48	22.32	23.5
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	23.5
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	23.5
40	QPSK	50	56	22.41	22.38	22.25	23.5
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	23.5
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	22.40	22.34	22.46	
Channel				516500	519000	521500	23.5
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	22.38	22.24	22.50	
Channel				516000	519000	522000	23.5
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	22.32	22.38	22.44	
Channel				515500	519000	522500	23.5
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	22.51	22.57	22.48	
Channel				515000	519000	523000	23.5
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	22.31	22.49	22.20	



<FR1 n38_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	18.8
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	18.25	18.27	18.24	
40	PI/2 BPSK	1	53	18.11	18.20	18.17	18.8
40	PI/2 BPSK	1	104	18.06	18.16	18.06	
40	PI/2 BPSK	50	0	18.18	18.21	18.11	
40	PI/2 BPSK	50	28	18.20	18.23	18.16	18.8
40	PI/2 BPSK	50	56	18.07	18.17	18.04	18.8
40	PI/2 BPSK	100	0	18.10	18.21	18.14	
40	QPSK	1	1	18.21	18.23	18.16	
40	QPSK	1	53	18.11	18.18	18.12	18.8
40	QPSK	1	104	18.16	18.19	18.11	
40	QPSK	50	0	18.16	18.22	18.12	
40	QPSK	50	28	18.18	18.21	18.09	18.8
40	QPSK	50	56	18.04	18.15	18.12	18.8
40	QPSK	100	0	18.15	18.19	18.07	
40	16QAM	1	1	18.15	18.21	18.09	
40	64QAM	1	1	18.16	18.25	18.22	18.8
40	256QAM	1	1	18.24	18.26	18.22	18.8
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	18.18	18.23	18.14	18.8
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	18.22	18.17	18.20	18.8
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	18.22	18.17	18.18	18.8
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	18.14	18.23	18.22	18.8
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	18.17	18.18	18.18	18.8



<FR1 n38_Ant 0_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	22.6
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	22.02	22.04	22.03	
40	PI/2 BPSK	1	53	21.90	21.98	21.90	22.6
40	PI/2 BPSK	1	104	21.90	21.92	21.89	
40	PI/2 BPSK	50	0	21.89	21.96	21.93	
40	PI/2 BPSK	50	28	21.91	21.99	21.94	22.6
40	PI/2 BPSK	50	56	21.83	21.94	21.91	22.6
40	PI/2 BPSK	100	0	21.87	21.94	21.93	
40	QPSK	1	1	21.93	22.02	22.01	
40	QPSK	1	53	21.89	21.94	21.87	22.6
40	QPSK	1	104	21.91	21.96	21.86	
40	QPSK	50	0	21.92	21.97	21.91	
40	QPSK	50	28	21.96	21.98	21.95	22.6
40	QPSK	50	56	21.84	21.96	21.91	22.6
40	QPSK	100	0	21.86	21.93	21.90	
40	16QAM	1	1	21.93	21.96	21.95	
40	64QAM	1	1	21.52	21.64	21.58	22.6
40	256QAM	1	1	19.75	19.77	19.70	20.6
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	21.99	21.95	21.94	
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	22.02	21.94	22.03	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	21.95	21.98	22.03	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	21.95	21.96	21.98	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	22.00	21.98	22.01	



<FR1 n38_Ant 5_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	22.7
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	22.7
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	22.7
40	PI/2 BPSK	50	56	22.20	22.48	22.32	22.7
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	22.7
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	22.7
40	QPSK	50	56	22.41	22.38	22.25	22.7
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	



<FR1 n41_Ant 2_Index 2/3>

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



<FR1 n41_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	23.7
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.43	22.36	22.28	
100	PI/2 BPSK	1	137	22.24	22.17	22.10	23.7
100	PI/2 BPSK	1	271	22.42	22.28	22.13	
100	PI/2 BPSK	135	0	22.35	22.28	22.22	
100	PI/2 BPSK	135	69	22.36	22.31	22.28	23.7
100	PI/2 BPSK	135	138	22.32	22.31	22.13	
100	PI/2 BPSK	270	0	22.40	22.29	22.13	
100	QPSK	1	1	22.32	22.17	22.28	23.7
100	QPSK	1	137	22.32	22.32	22.13	
100	QPSK	1	271	22.35	22.25	22.24	
100	QPSK	135	0	22.36	22.33	22.18	23.7
100	QPSK	135	69	22.34	22.34	22.16	
100	QPSK	135	138	22.35	22.21	22.16	
100	QPSK	270	0	22.35	22.27	22.25	23.7
100	16QAM	1	1	22.26	22.35	22.16	
100	64QAM	1	1	22.04	21.98	22.02	
100	256QAM	1	1	20.25	20.17	20.01	20.6
Channel				508200	518598	528996	23.7
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.31	22.19	22.13	
Channel				507204	518598	529998	23.7
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.28	22.35	22.25	
Channel				506202	518598	531000	23.7
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.40	22.28	22.26	
Channel				505200	518598	531996	23.7
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.34	22.18	22.12	
Channel				504204	518598	532998	23.7
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.30	22.20	22.19	
Channel				503202	518598	534000	23.7
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.32	22.28	22.27	
Channel				502200	518598	534996	23.7
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.25	22.33	22.21	
Channel				501204	518598	535998	23.7
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.41	22.36	22.22	
Channel				500700	518598	536496	23.7
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.41	22.21	22.23	
Channel				500202	518598	537000	23.7
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.23	22.16	22.23	



<FR1 n41_Ant 0_Index 2/3>

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



<FR1 n41_Ant 5_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	20.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.74	19.68	19.52	
100	PI/2 BPSK	1	137	19.34	19.36	19.12	20.6
100	PI/2 BPSK	1	271	19.40	19.41	19.16	
100	PI/2 BPSK	135	0	19.29	19.24	19.08	
100	PI/2 BPSK	135	69	19.37	19.40	19.14	20.6
100	PI/2 BPSK	135	138	19.22	19.26	19.06	20.6
100	PI/2 BPSK	270	0	19.32	19.30	19.12	
100	QPSK	1	1	19.69	19.64	19.38	
100	QPSK	1	137	19.43	19.43	19.28	20.6
100	QPSK	1	271	19.40	19.42	19.21	
100	QPSK	135	0	19.41	19.37	19.17	
100	QPSK	135	69	19.49	19.43	19.27	20.6
100	QPSK	135	138	19.32	19.28	19.11	20.6
100	QPSK	270	0	19.32	19.32	19.12	
100	16QAM	1	1	19.69	19.67	19.48	
100	64QAM	1	1	19.51	19.47	19.26	20.6
100	256QAM	1	1	19.54	19.51	19.35	20.6
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	19.70	19.61	19.35	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.64	19.65	19.33	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	19.73	19.67	19.33	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.73	19.67	19.41	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.66	19.58	19.38	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.66	19.66	19.39	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.65	19.59	19.39	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.66	19.66	19.38	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	19.72	19.63	19.40	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	19.71	19.67	19.34	



<FR1 n41_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.9
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.43	22.36	22.28	
100	PI/2 BPSK	1	137	22.24	22.17	22.10	22.9
100	PI/2 BPSK	1	271	22.42	22.28	22.13	
100	PI/2 BPSK	135	0	22.35	22.28	22.22	
100	PI/2 BPSK	135	69	22.36	22.31	22.28	22.9
100	PI/2 BPSK	135	138	22.32	22.31	22.13	22.9
100	PI/2 BPSK	270	0	22.40	22.29	22.13	
100	QPSK	1	1	22.32	22.17	22.28	
100	QPSK	1	137	22.32	22.32	22.13	22.9
100	QPSK	1	271	22.35	22.25	22.24	
100	QPSK	135	0	22.36	22.33	22.18	
100	QPSK	135	69	22.34	22.34	22.16	22.9
100	QPSK	135	138	22.35	22.21	22.16	22.9
100	QPSK	270	0	22.35	22.27	22.25	
100	16QAM	1	1	22.26	22.35	22.16	
100	64QAM	1	1	22.04	21.98	22.02	22.6
100	256QAM	1	1	20.25	20.17	20.01	20.6
Channel				508200	518598	528996	22.9
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.31	22.19	22.13	
Channel				507204	518598	529998	22.9
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.28	22.35	22.25	
Channel				506202	518598	531000	22.9
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.40	22.28	22.26	
Channel				505200	518598	531996	22.9
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.34	22.18	22.12	
Channel				504204	518598	532998	22.9
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.30	22.20	22.19	
Channel				503202	518598	534000	22.9
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.32	22.28	22.27	
Channel				502200	518598	534996	22.9
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.25	22.33	22.21	
Channel				501204	518598	535998	22.9
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.41	22.36	22.22	
Channel				500700	518598	536496	22.9
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.41	22.21	22.23	
Channel				500202	518598	537000	22.9
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.23	22.16	22.23	



<FR1 n41_Ant 5_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	19.8
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.74	19.68	19.52	
100	PI/2 BPSK	1	137	19.34	19.36	19.12	19.8
100	PI/2 BPSK	1	271	19.40	19.41	19.16	
100	PI/2 BPSK	135	0	19.29	19.24	19.08	
100	PI/2 BPSK	135	69	19.37	19.40	19.14	19.8
100	PI/2 BPSK	135	138	19.22	19.26	19.06	19.8
100	PI/2 BPSK	270	0	19.32	19.30	19.12	
100	QPSK	1	1	19.69	19.64	19.38	
100	QPSK	1	137	19.43	19.43	19.28	19.8
100	QPSK	1	271	19.40	19.42	19.21	
100	QPSK	135	0	19.41	19.37	19.17	
100	QPSK	135	69	19.49	19.43	19.27	19.8
100	QPSK	135	138	19.32	19.28	19.11	19.8
100	QPSK	270	0	19.32	19.32	19.12	
100	16QAM	1	1	19.69	19.67	19.48	
100	64QAM	1	1	19.51	19.47	19.26	19.8
100	256QAM	1	1	19.54	19.51	19.35	19.8
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	19.70	19.61	19.35	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.64	19.65	19.33	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	19.73	19.67	19.33	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.73	19.67	19.41	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.66	19.58	19.38	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.66	19.66	19.39	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.65	19.59	19.39	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.66	19.66	19.38	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	19.72	19.63	19.40	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	19.71	19.67	19.34	



<FR1 n41_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	18.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	18.25	18.26	18.22	
100	PI/2 BPSK	1	137	18.01	18.09	18.07	18.6
100	PI/2 BPSK	1	271	18.13	18.19	18.18	
100	PI/2 BPSK	135	0	18.03	18.10	18.06	
100	PI/2 BPSK	135	69	18.16	18.17	18.13	18.6
100	PI/2 BPSK	135	138	18.08	18.07	18.07	18.6
100	PI/2 BPSK	270	0	18.11	18.12	18.10	
100	QPSK	1	1	18.23	18.25	18.19	
100	QPSK	1	137	17.97	18.05	18.08	18.6
100	QPSK	1	271	18.16	18.19	18.16	
100	QPSK	135	0	18.06	18.07	18.08	
100	QPSK	135	69	18.08	18.10	18.10	18.6
100	QPSK	135	138	18.04	18.08	18.06	18.6
100	QPSK	270	0	18.07	18.13	18.11	
100	16QAM	1	1	18.11	18.13	18.11	
100	64QAM	1	1	18.17	18.15	18.16	18.6
100	256QAM	1	1	18.16	18.13	18.17	18.6
Channel				508200	518598	528996	18.6
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	18.20	18.24	18.16	
Channel				507204	518598	529998	18.6
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	18.21	18.16	18.21	
Channel				506202	518598	531000	18.6
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	18.18	18.16	18.14	
Channel				505200	518598	531996	18.6
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	18.16	18.22	18.13	
Channel				504204	518598	532998	18.6
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	18.20	18.22	18.18	
Channel				503202	518598	534000	18.6
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	18.22	18.17	18.15	
Channel				502200	518598	534996	18.6
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	18.22	18.18	18.18	
Channel				501204	518598	535998	18.6
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	18.15	18.20	18.21	
Channel				500700	518598	536496	18.6
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	18.23	18.19	18.19	
Channel				500202	518598	537000	18.6
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	18.16	18.22	18.19	



<FR1 n41_Ant 1_Index 4/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	21.4
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.20	21.25	21.08	
100	PI/2 BPSK	1	137	20.93	20.99	20.69	21.4
100	PI/2 BPSK	1	271	21.05	21.05	20.92	
100	PI/2 BPSK	135	0	20.92	20.98	20.83	
100	PI/2 BPSK	135	69	21.06	21.13	20.94	21.4
100	PI/2 BPSK	135	138	20.90	20.92	20.77	21.4
100	PI/2 BPSK	270	0	21.00	20.95	20.86	
100	QPSK	1	1	21.15	21.15	20.90	
100	QPSK	1	137	20.91	20.94	20.75	21.4
100	QPSK	1	271	20.94	20.99	20.81	
100	QPSK	135	0	21.07	21.02	20.89	
100	QPSK	135	69	21.10	21.04	20.87	21.4
100	QPSK	135	138	20.92	20.93	20.79	21.4
100	QPSK	270	0	21.02	20.97	20.78	
100	16QAM	1	1	21.13	21.17	21.05	
100	64QAM	1	1	21.18	21.10	20.93	21.4
100	256QAM	1	1	20.10	20.15	19.89	20.6
Channel				508200	518598	528996	21.4
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.13	21.24	21.05	
Channel				507204	518598	529998	21.4
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.10	21.16	21.08	
Channel				506202	518598	531000	21.4
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	21.19	21.18	21.05	
Channel				505200	518598	531996	21.4
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.20	21.22	21.02	
Channel				504204	518598	532998	21.4
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.13	21.15	21.02	
Channel				503202	518598	534000	21.4
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.19	21.21	21.04	
Channel				502200	518598	534996	21.4
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.11	21.20	21.07	
Channel				501204	518598	535998	21.4
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.12	21.17	21.06	
Channel				500700	518598	536496	21.4
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.15	21.18	21.00	
Channel				500202	518598	537000	21.4
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.10	21.21	21.03	



<FR1 n41_Ant 0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.99	22.07	22.03	
100	PI/2 BPSK	1	137	21.70	21.81	21.74	22.6
100	PI/2 BPSK	1	271	21.90	22.02	21.94	
100	PI/2 BPSK	135	0	21.71	21.82	21.71	
100	PI/2 BPSK	135	69	21.79	21.91	21.83	22.6
100	PI/2 BPSK	135	138	21.74	21.87	21.78	22.6
100	PI/2 BPSK	270	0	21.75	21.85	21.75	
100	QPSK	1	1	21.97	22.06	21.95	
100	QPSK	1	137	21.70	21.79	21.70	22.6
100	QPSK	1	271	21.88	22.01	21.87	
100	QPSK	135	0	21.72	21.82	21.77	
100	QPSK	135	69	21.74	21.86	21.72	22.6
100	QPSK	135	138	21.72	21.81	21.73	22.6
100	QPSK	270	0	21.73	21.84	21.72	
100	16QAM	1	1	21.82	21.95	21.91	
100	64QAM	1	1	21.40	21.51	21.47	22.6
100	256QAM	1	1	19.55	19.68	19.62	20.6
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.99	22.05	21.97	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.89	22.02	22.02	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	21.92	22.05	22.03	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.98	22.04	22.00	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.93	22.00	21.99	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.91	21.97	21.99	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.90	22.00	22.00	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.91	22.05	21.95	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.89	22.00	21.98	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.95	21.98	21.99	



<FR1 n41_Ant 5_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.7
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	22.7
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	22.7
100	PI/2 BPSK	135	138	22.18	22.18	22.09	22.7
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	22.7
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	22.7
100	QPSK	135	138	22.26	22.15	22.10	22.7
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	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.59	22.61	22.47	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.66	22.50	22.44	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.58	22.57	22.37	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.54	22.41	22.56	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.42	22.66	22.32	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.64	22.48	22.31	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.66	22.65	22.34	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.56	22.63	22.43	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.59	22.50	22.23	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.64	22.48	22.28	



<FR1 n41_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	19.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	18.25	18.26	18.22	
100	PI/2 BPSK	1	137	18.01	18.09	18.07	19.6
100	PI/2 BPSK	1	271	18.13	18.19	18.18	
100	PI/2 BPSK	135	0	18.03	18.10	18.06	
100	PI/2 BPSK	135	69	18.16	18.17	18.13	19.6
100	PI/2 BPSK	135	138	18.08	18.07	18.07	19.6
100	PI/2 BPSK	270	0	18.11	18.12	18.10	
100	QPSK	1	1	18.23	18.25	18.19	
100	QPSK	1	137	17.97	18.05	18.08	19.6
100	QPSK	1	271	18.16	18.19	18.16	
100	QPSK	135	0	18.06	18.07	18.08	
100	QPSK	135	69	18.08	18.10	18.10	19.6
100	QPSK	135	138	18.04	18.08	18.06	19.6
100	QPSK	270	0	18.07	18.13	18.11	
100	16QAM	1	1	18.11	18.13	18.11	
100	64QAM	1	1	18.17	18.15	18.16	19.6
100	256QAM	1	1	18.16	18.13	18.17	19.6
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	18.20	18.24	18.16	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	18.21	18.16	18.21	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	18.18	18.16	18.14	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	18.16	18.22	18.13	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	18.20	18.22	18.18	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	18.22	18.17	18.15	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	18.22	18.18	18.18	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	18.15	18.20	18.21	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	18.23	18.19	18.19	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	18.16	18.22	18.19	



<FR1 n41_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.2
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.20	21.25	21.08	
100	PI/2 BPSK	1	137	20.93	20.99	20.69	22.2
100	PI/2 BPSK	1	271	21.05	21.05	20.92	
100	PI/2 BPSK	135	0	20.92	20.98	20.83	
100	PI/2 BPSK	135	69	21.06	21.13	20.94	22.2
100	PI/2 BPSK	135	138	20.90	20.92	20.77	22.2
100	PI/2 BPSK	270	0	21.00	20.95	20.86	
100	QPSK	1	1	21.15	21.15	20.90	
100	QPSK	1	137	20.91	20.94	20.75	22.2
100	QPSK	1	271	20.94	20.99	20.81	
100	QPSK	135	0	21.07	21.02	20.89	
100	QPSK	135	69	21.10	21.04	20.87	22.2
100	QPSK	135	138	20.92	20.93	20.79	22.2
100	QPSK	270	0	21.02	20.97	20.78	
100	16QAM	1	1	21.13	21.17	21.05	
100	64QAM	1	1	21.18	21.10	20.93	22.2
100	256QAM	1	1	20.10	20.15	19.89	20.6
Channel				508200	518598	528996	22.2
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.13	21.24	21.05	
Channel				507204	518598	529998	22.2
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.10	21.16	21.08	
Channel				506202	518598	531000	22.2
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	21.19	21.18	21.05	
Channel				505200	518598	531996	22.2
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.20	21.22	21.02	
Channel				504204	518598	532998	22.2
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.13	21.15	21.02	
Channel				503202	518598	534000	22.2
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.19	21.21	21.04	
Channel				502200	518598	534996	22.2
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.11	21.20	21.07	
Channel				501204	518598	535998	22.2
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.12	21.17	21.06	
Channel				500700	518598	536496	22.2
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.15	21.18	21.00	
Channel				500202	518598	537000	22.2
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.10	21.21	21.03	



<FR1 n41_Ant 0_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	23.4
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.99	22.07	22.03	
100	PI/2 BPSK	1	137	21.70	21.81	21.74	23.4
100	PI/2 BPSK	1	271	21.90	22.02	21.94	
100	PI/2 BPSK	135	0	21.71	21.82	21.71	
100	PI/2 BPSK	135	69	21.79	21.91	21.83	23.4
100	PI/2 BPSK	135	138	21.74	21.87	21.78	23.4
100	PI/2 BPSK	270	0	21.75	21.85	21.75	
100	QPSK	1	1	21.97	22.06	21.95	
100	QPSK	1	137	21.70	21.79	21.70	23.4
100	QPSK	1	271	21.88	22.01	21.87	
100	QPSK	135	0	21.72	21.82	21.77	
100	QPSK	135	69	21.74	21.86	21.72	23.4
100	QPSK	135	138	21.72	21.81	21.73	23.4
100	QPSK	270	0	21.73	21.84	21.72	
100	16QAM	1	1	21.82	21.95	21.91	
100	64QAM	1	1	21.40	21.51	21.47	22.6
100	256QAM	1	1	19.55	19.68	19.62	20.6
Channel				508200	518598	528996	23.4
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.99	22.05	21.97	
Channel				507204	518598	529998	23.4
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.89	22.02	22.02	
Channel				506202	518598	531000	23.4
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	21.92	22.05	22.03	
Channel				505200	518598	531996	23.4
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.98	22.04	22.00	
Channel				504204	518598	532998	23.4
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.93	22.00	21.99	
Channel				503202	518598	534000	23.4
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.91	21.97	21.99	
Channel				502200	518598	534996	23.4
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.90	22.00	22.00	
Channel				501204	518598	535998	23.4
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.91	22.05	21.95	
Channel				500700	518598	536496	23.4
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.89	22.00	21.98	
Channel				500202	518598	537000	23.4
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.95	21.98	21.99	



<FR1 n41_Ant 5_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	23.5
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	23.5
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	23.5
100	PI/2 BPSK	135	138	22.18	22.18	22.09	23.5
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	23.5
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	23.5
100	QPSK	135	138	22.26	22.15	22.10	23.5
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	23.5
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.59	22.61	22.47	
Channel				507204	518598	529998	23.5
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.66	22.50	22.44	
Channel				506202	518598	531000	23.5
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.58	22.57	22.37	
Channel				505200	518598	531996	23.5
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.54	22.41	22.56	
Channel				504204	518598	532998	23.5
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.42	22.66	22.32	
Channel				503202	518598	534000	23.5
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.64	22.48	22.31	
Channel				502200	518598	534996	23.5
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.66	22.65	22.34	
Channel				501204	518598	535998	23.5
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.56	22.63	22.43	
Channel				500700	518598	536496	23.5
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.59	22.50	22.23	
Channel				500202	518598	537000	23.5
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.64	22.48	22.28	



<FR1 n41_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	18.8
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	18.25	18.26	18.22	
100	PI/2 BPSK	1	137	18.01	18.09	18.07	18.8
100	PI/2 BPSK	1	271	18.13	18.19	18.18	
100	PI/2 BPSK	135	0	18.03	18.10	18.06	
100	PI/2 BPSK	135	69	18.16	18.17	18.13	18.8
100	PI/2 BPSK	135	138	18.08	18.07	18.07	18.8
100	PI/2 BPSK	270	0	18.11	18.12	18.10	
100	QPSK	1	1	18.23	18.25	18.19	
100	QPSK	1	137	17.97	18.05	18.08	18.8
100	QPSK	1	271	18.16	18.19	18.16	
100	QPSK	135	0	18.06	18.07	18.08	
100	QPSK	135	69	18.08	18.10	18.10	18.8
100	QPSK	135	138	18.04	18.08	18.06	18.8
100	QPSK	270	0	18.07	18.13	18.11	
100	16QAM	1	1	18.11	18.13	18.11	
100	64QAM	1	1	18.17	18.15	18.16	18.8
100	256QAM	1	1	18.16	18.13	18.17	18.8
Channel				508200	518598	528996	18.8
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	18.20	18.24	18.16	
Channel				507204	518598	529998	18.8
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	18.21	18.16	18.21	
Channel				506202	518598	531000	18.8
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	18.18	18.16	18.14	
Channel				505200	518598	531996	18.8
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	18.16	18.22	18.13	
Channel				504204	518598	532998	18.8
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	18.20	18.22	18.18	
Channel				503202	518598	534000	18.8
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	18.22	18.17	18.15	
Channel				502200	518598	534996	18.8
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	18.22	18.18	18.18	
Channel				501204	518598	535998	18.8
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	18.15	18.20	18.21	
Channel				500700	518598	536496	18.8
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	18.23	18.19	18.19	
Channel				500202	518598	537000	18.8
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	18.16	18.22	18.19	



<FR1 n41_Ant 0_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.99	22.07	22.03	
100	PI/2 BPSK	1	137	21.70	21.81	21.74	22.6
100	PI/2 BPSK	1	271	21.90	22.02	21.94	
100	PI/2 BPSK	135	0	21.71	21.82	21.71	
100	PI/2 BPSK	135	69	21.79	21.91	21.83	22.6
100	PI/2 BPSK	135	138	21.74	21.87	21.78	22.6
100	PI/2 BPSK	270	0	21.75	21.85	21.75	
100	QPSK	1	1	21.97	22.06	21.95	
100	QPSK	1	137	21.70	21.79	21.70	22.6
100	QPSK	1	271	21.88	22.01	21.87	
100	QPSK	135	0	21.72	21.82	21.77	
100	QPSK	135	69	21.74	21.86	21.72	22.6
100	QPSK	135	138	21.72	21.81	21.73	22.6
100	QPSK	270	0	21.73	21.84	21.72	
100	16QAM	1	1	21.82	21.95	21.91	
100	64QAM	1	1	21.40	21.51	21.47	22.6
100	256QAM	1	1	19.55	19.68	19.62	20.6
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.99	22.05	21.97	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.89	22.02	22.02	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	21.92	22.05	22.03	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.98	22.04	22.00	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.93	22.00	21.99	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.91	21.97	21.99	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.90	22.00	22.00	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.91	22.05	21.95	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.89	22.00	21.98	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.95	21.98	21.99	



<FR1 n41_Ant 5_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.7
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	22.7
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	22.7
100	PI/2 BPSK	135	138	22.18	22.18	22.09	22.7
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	22.7
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	22.7
100	QPSK	135	138	22.26	22.15	22.10	22.7
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	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.59	22.61	22.47	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.66	22.50	22.44	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.58	22.57	22.37	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.54	22.41	22.56	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.42	22.66	22.32	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.64	22.48	22.31	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.66	22.65	22.34	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.56	22.63	22.43	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.59	22.50	22.23	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.64	22.48	22.28	



<FR1 n41_HPUE_Ant 2_Index 2/3>

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



<FR1 n41_HPUE_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	26.7
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.46	25.37	25.31	
100	PI/2 BPSK	1	137	25.43	25.35	25.28	26.5
100	PI/2 BPSK	1	271	25.45	25.17	25.15	
100	PI/2 BPSK	135	0	25.40	25.20	25.25	
100	PI/2 BPSK	135	69	25.42	25.28	25.21	26.5
100	PI/2 BPSK	135	138	25.31	25.23	25.25	
100	PI/2 BPSK	270	0	25.38	25.24	25.15	
100	QPSK	1	1	25.32	25.28	25.17	26.7
100	QPSK	1	137	25.38	25.27	25.28	
100	QPSK	1	271	25.39	25.25	25.24	
100	QPSK	135	0	24.61	24.71	24.60	26.0
100	QPSK	135	69	25.00	25.11	24.91	
100	QPSK	135	138	24.46	24.58	24.56	
100	QPSK	270	0	24.51	24.62	24.43	24.5
100	16QAM	1	1	25.38	25.34	25.25	
100	64QAM	1	1	23.84	23.90	23.85	
100	256QAM	1	1	22.07	22.19	22.01	22.5
Channel				508200	518598	528996	26.7
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.27	25.34	25.31	
Channel				507204	518598	529998	26.7
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.32	25.26	25.14	
Channel				506202	518598	531000	26.7
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.39	25.24	25.15	
Channel				505200	518598	531996	26.7
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.43	25.33	25.12	
Channel				504204	518598	532998	26.7
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.39	25.31	25.25	
Channel				503202	518598	534000	26.7
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.40	25.36	25.17	
Channel				502200	518598	534996	26.7
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.44	25.24	25.27	
Channel				501204	518598	535998	26.7
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.29	25.20	25.12	
Channel				500700	518598	536496	26.7
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.40	25.26	25.24	
Channel				500202	518598	537000	26.7
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.36	25.36	25.12	



<FR1 n41_HPUE_Ant 0_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				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	26.0
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	



<FR1 n41_HPUE_Ant 5_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	23.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.75	22.66	22.44	
100	PI/2 BPSK	1	137	22.55	22.53	22.26	23.6
100	PI/2 BPSK	1	271	22.51	22.48	22.18	
100	PI/2 BPSK	135	0	22.44	22.38	22.07	
100	PI/2 BPSK	135	69	22.52	22.45	22.16	23.6
100	PI/2 BPSK	135	138	22.45	22.42	22.14	
100	PI/2 BPSK	270	0	22.49	22.42	22.10	
100	QPSK	1	1	22.74	22.65	22.41	23.6
100	QPSK	1	137	22.46	22.46	22.22	
100	QPSK	1	271	22.55	22.48	22.21	
100	QPSK	135	0	22.35	22.32	22.06	23.6
100	QPSK	135	69	22.57	22.48	22.16	
100	QPSK	135	138	22.39	22.32	22.04	
100	QPSK	270	0	22.37	22.37	22.09	23.6
100	16QAM	1	1	22.64	22.62	22.30	
100	64QAM	1	1	22.43	22.35	22.09	
100	256QAM	1	1	21.74	21.65	21.43	22.5
Channel				508200	518598	528996	23.6
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.67	22.65	22.37	
Channel				507204	518598	529998	23.6
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.70	22.57	22.44	
Channel				506202	518598	531000	23.6
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.71	22.58	22.42	
Channel				505200	518598	531996	23.6
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.65	22.57	22.41	
Channel				504204	518598	532998	23.6
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.66	22.63	22.39	
Channel				503202	518598	534000	23.6
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.69	22.61	22.36	
Channel				502200	518598	534996	23.6
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.74	22.58	22.35	
Channel				501204	518598	535998	23.6
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.71	22.66	22.43	
Channel				500700	518598	536496	23.6
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.74	22.59	22.43	
Channel				500202	518598	537000	23.6
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.66	22.58	22.34	



<FR1 n41_HPUE_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	25.9
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.46	25.37	25.31	
100	PI/2 BPSK	1	137	25.43	25.35	25.28	25.9
100	PI/2 BPSK	1	271	25.45	25.17	25.15	
100	PI/2 BPSK	135	0	25.40	25.20	25.25	
100	PI/2 BPSK	135	69	25.42	25.28	25.21	25.9
100	PI/2 BPSK	135	138	25.31	25.23	25.25	25.9
100	PI/2 BPSK	270	0	25.38	25.24	25.15	
100	QPSK	1	1	25.32	25.28	25.17	
100	QPSK	1	137	25.38	25.27	25.28	25.9
100	QPSK	1	271	25.39	25.25	25.24	
100	QPSK	135	0	24.61	24.71	24.60	
100	QPSK	135	69	25.00	25.11	24.91	25.9
100	QPSK	135	138	24.46	24.58	24.56	25.9
100	QPSK	270	0	24.51	24.62	24.43	
100	16QAM	1	1	25.38	25.34	25.25	
100	64QAM	1	1	23.84	23.90	23.85	24.5
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	25.27	25.34	25.31	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.32	25.26	25.14	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.39	25.24	25.15	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.43	25.33	25.12	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.39	25.31	25.25	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.40	25.36	25.17	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.44	25.24	25.27	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.29	25.20	25.12	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.40	25.26	25.24	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.36	25.36	25.12	



<FR1 n41_HPUE_Ant 5_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.8
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.75	22.66	22.44	
100	PI/2 BPSK	1	137	22.55	22.53	22.26	22.8
100	PI/2 BPSK	1	271	22.51	22.48	22.18	
100	PI/2 BPSK	135	0	22.44	22.38	22.07	
100	PI/2 BPSK	135	69	22.52	22.45	22.16	22.8
100	PI/2 BPSK	135	138	22.45	22.42	22.14	22.8
100	PI/2 BPSK	270	0	22.49	22.42	22.10	
100	QPSK	1	1	22.74	22.65	22.41	
100	QPSK	1	137	22.46	22.46	22.22	22.8
100	QPSK	1	271	22.55	22.48	22.21	
100	QPSK	135	0	22.35	22.32	22.06	
100	QPSK	135	69	22.57	22.48	22.16	22.8
100	QPSK	135	138	22.39	22.32	22.04	22.8
100	QPSK	270	0	22.37	22.37	22.09	
100	16QAM	1	1	22.64	22.62	22.30	
100	64QAM	1	1	22.43	22.35	22.09	22.8
100	256QAM	1	1	21.74	21.65	21.43	22.5
Channel				508200	518598	528996	22.8
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.67	22.65	22.37	
Channel				507204	518598	529998	22.8
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.70	22.57	22.44	
Channel				506202	518598	531000	22.8
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.71	22.58	22.42	
Channel				505200	518598	531996	22.8
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.65	22.57	22.41	
Channel				504204	518598	532998	22.8
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.66	22.63	22.39	
Channel				503202	518598	534000	22.8
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.69	22.61	22.36	
Channel				502200	518598	534996	22.8
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.74	22.58	22.35	
Channel				501204	518598	535998	22.8
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.71	22.66	22.43	
Channel				500700	518598	536496	22.8
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.74	22.59	22.43	
Channel				500202	518598	537000	22.8
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.66	22.58	22.34	



<FR1 n41_HPUE_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	21.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.13	21.15	21.11	
100	PI/2 BPSK	1	137	20.90	21.01	20.99	21.6
100	PI/2 BPSK	1	271	21.04	21.08	21.10	
100	PI/2 BPSK	135	0	20.93	20.91	20.96	
100	PI/2 BPSK	135	69	20.96	21.02	21.00	21.6
100	PI/2 BPSK	135	138	20.88	20.94	20.94	21.6
100	PI/2 BPSK	270	0	20.92	20.98	20.91	
100	QPSK	1	1	21.12	21.14	21.08	
100	QPSK	1	137	20.91	20.96	20.99	21.6
100	QPSK	1	271	21.02	21.07	20.95	
100	QPSK	135	0	20.98	20.96	20.94	
100	QPSK	135	69	20.87	20.93	20.98	21.6
100	QPSK	135	138	20.86	20.99	20.91	21.6
100	QPSK	270	0	20.95	20.95	20.94	
100	16QAM	1	1	21.07	21.05	21.12	
100	64QAM	1	1	21.05	21.04	21.05	21.6
100	256QAM	1	1	20.97	20.99	20.95	21.6
Channel				508200	518598	528996	21.6
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.02	21.12	21.09	
Channel				507204	518598	529998	21.6
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.03	21.08	21.08	
Channel				506202	518598	531000	21.6
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	21.06	21.12	21.08	
Channel				505200	518598	531996	21.6
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.04	21.14	21.09	
Channel				504204	518598	532998	21.6
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.04	21.07	21.04	
Channel				503202	518598	534000	21.6
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.08	21.12	21.02	
Channel				502200	518598	534996	21.6
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.04	21.13	21.02	
Channel				501204	518598	535998	21.6
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.01	21.12	21.04	
Channel				500700	518598	536496	21.6
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.05	21.06	21.00	
Channel				500202	518598	537000	21.6
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.04	21.05	21.10	



<FR1 n41_HPUE_Ant 1_Index 4/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	24.4
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.35	24.29	24.21	
100	PI/2 BPSK	1	137	24.05	24.01	23.85	24.4
100	PI/2 BPSK	1	271	24.03	24.09	23.86	
100	PI/2 BPSK	135	0	23.96	23.99	23.89	
100	PI/2 BPSK	135	69	23.99	24.03	23.96	24.4
100	PI/2 BPSK	135	138	23.95	23.94	23.79	24.4
100	PI/2 BPSK	270	0	23.94	24.02	23.89	
100	QPSK	1	1	24.23	24.28	24.05	
100	QPSK	1	137	23.99	23.95	23.87	24.4
100	QPSK	1	271	24.07	24.09	23.86	
100	QPSK	135	0	24.06	24.04	23.87	
100	QPSK	135	69	24.03	23.99	23.92	24.4
100	QPSK	135	138	23.91	23.92	23.73	24.4
100	QPSK	270	0	23.96	23.98	23.87	
100	16QAM	1	1	24.21	24.11	24.04	
100	64QAM	1	1	23.90	23.92	23.83	24.4
100	256QAM	1	1	22.18	22.19	22.01	22.5
Channel				508200	518598	528996	24.4
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.27	24.22	24.14	
Channel				507204	518598	529998	24.4
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.25	24.25	24.14	
Channel				506202	518598	531000	24.4
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	24.30	24.23	24.19	
Channel				505200	518598	531996	24.4
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.25	24.24	24.13	
Channel				504204	518598	532998	24.4
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.34	24.21	24.14	
Channel				503202	518598	534000	24.4
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.29	24.22	24.16	
Channel				502200	518598	534996	24.4
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.32	24.28	24.11	
Channel				501204	518598	535998	24.4
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.34	24.24	24.19	
Channel				500700	518598	536496	24.4
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.26	24.22	24.13	
Channel				500202	518598	537000	24.4
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.32	24.27	24.18	



<FR1 n41_HPUE_Ant 0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	25.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.06	25.20	25.07	
100	PI/2 BPSK	1	137	24.83	24.89	24.81	25.6
100	PI/2 BPSK	1	271	24.84	24.99	24.85	
100	PI/2 BPSK	135	0	24.73	24.94	24.84	
100	PI/2 BPSK	135	69	24.96	25.10	24.94	25.6
100	PI/2 BPSK	135	138	24.69	24.84	24.82	25.6
100	PI/2 BPSK	270	0	24.71	24.90	24.80	
100	QPSK	1	1	24.97	25.08	24.95	
100	QPSK	1	137	24.77	24.82	24.88	25.6
100	QPSK	1	271	24.92	25.02	24.88	
100	QPSK	135	0	24.67	24.83	24.80	
100	QPSK	135	69	24.78	24.95	24.83	25.6
100	QPSK	135	138	24.81	24.96	24.83	25.6
100	QPSK	270	0	24.75	24.91	24.73	
100	16QAM	1	1	24.91	25.11	25.05	
100	64QAM	1	1	23.28	23.37	23.22	24.5
100	256QAM	1	1	21.41	21.69	21.54	22.5
Channel				508200	518598	528996	25.6
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.96	25.13	25.06	
Channel				507204	518598	529998	25.6
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.03	25.10	24.98	
Channel				506202	518598	531000	25.6
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.01	25.17	24.98	
Channel				505200	518598	531996	25.6
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.98	25.14	24.99	
Channel				504204	518598	532998	25.6
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.01	25.19	24.98	
Channel				503202	518598	534000	25.6
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.98	25.17	24.99	
Channel				502200	518598	534996	25.6
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.03	25.18	25.03	
Channel				501204	518598	535998	25.6
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.98	25.10	25.02	
Channel				500700	518598	536496	25.6
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.97	25.16	25.04	
Channel				500202	518598	537000	25.6
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.04	25.19	24.99	



<FR1 n41_HPUE_Ant 5_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
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	25.7
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	24.74	24.72	25.7
100	PI/2 BPSK	135	138	24.63	24.69	24.68	25.7
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	25.7
100	QPSK	1	271	24.81	24.87	24.67	
100	QPSK	135	0	24.72	24.71	24.72	
100	QPSK	135	69	24.71	24.73	24.73	25.7
100	QPSK	135	138	24.70	24.70	24.73	25.7
100	QPSK	270	0	24.74	24.65	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	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.92	24.94	24.68	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.91	24.97	24.84	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	24.90	24.97	24.83	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.95	24.93	24.92	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.96	24.89	24.87	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.98	24.98	24.79	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.94	24.94	24.75	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.93	24.98	24.77	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.96	24.94	24.80	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.92	24.91	24.79	



<FR1 n41_HPUE_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.13	21.15	21.11	
100	PI/2 BPSK	1	137	20.90	21.01	20.99	22.6
100	PI/2 BPSK	1	271	21.04	21.08	21.10	
100	PI/2 BPSK	135	0	20.93	20.91	20.96	
100	PI/2 BPSK	135	69	20.96	21.02	21.00	22.6
100	PI/2 BPSK	135	138	20.88	20.94	20.94	22.6
100	PI/2 BPSK	270	0	20.92	20.98	20.91	
100	QPSK	1	1	21.12	21.14	21.08	
100	QPSK	1	137	20.91	20.96	20.99	22.6
100	QPSK	1	271	21.02	21.07	20.95	
100	QPSK	135	0	20.98	20.96	20.94	
100	QPSK	135	69	20.87	20.93	20.98	22.6
100	QPSK	135	138	20.86	20.99	20.91	22.6
100	QPSK	270	0	20.95	20.95	20.94	
100	16QAM	1	1	21.07	21.05	21.12	
100	64QAM	1	1	21.05	21.04	21.05	22.6
100	256QAM	1	1	20.97	20.99	20.95	22.5
Channel				508200	518598	528996	22.6
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.02	21.12	21.09	
Channel				507204	518598	529998	22.6
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.03	21.08	21.08	
Channel				506202	518598	531000	22.6
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	21.06	21.12	21.08	
Channel				505200	518598	531996	22.6
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.04	21.14	21.09	
Channel				504204	518598	532998	22.6
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.04	21.07	21.04	
Channel				503202	518598	534000	22.6
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.08	21.12	21.02	
Channel				502200	518598	534996	22.6
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.04	21.13	21.02	
Channel				501204	518598	535998	22.6
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.01	21.12	21.04	
Channel				500700	518598	536496	22.6
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.05	21.06	21.00	
Channel				500202	518598	537000	22.6
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.04	21.05	21.10	



<FR1 n41_HPUE_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	25.2
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.35	24.29	24.21	
100	PI/2 BPSK	1	137	24.05	24.01	23.85	25.2
100	PI/2 BPSK	1	271	24.03	24.09	23.86	
100	PI/2 BPSK	135	0	23.96	23.99	23.89	
100	PI/2 BPSK	135	69	23.99	24.03	23.96	25.2
100	PI/2 BPSK	135	138	23.95	23.94	23.79	25.2
100	PI/2 BPSK	270	0	23.94	24.02	23.89	
100	QPSK	1	1	24.23	24.28	24.05	
100	QPSK	1	137	23.99	23.95	23.87	25.2
100	QPSK	1	271	24.07	24.09	23.86	
100	QPSK	135	0	24.06	24.04	23.87	
100	QPSK	135	69	24.03	23.99	23.92	25.2
100	QPSK	135	138	23.91	23.92	23.73	25.2
100	QPSK	270	0	23.96	23.98	23.87	
100	16QAM	1	1	24.21	24.11	24.04	
100	64QAM	1	1	23.90	23.92	23.83	24.5
100	256QAM	1	1	22.18	22.19	22.01	22.5
Channel				508200	518598	528996	25.2
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.27	24.22	24.14	
Channel				507204	518598	529998	25.2
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.25	24.25	24.14	
Channel				506202	518598	531000	25.2
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	24.30	24.23	24.19	
Channel				505200	518598	531996	25.2
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.25	24.24	24.13	
Channel				504204	518598	532998	25.2
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.34	24.21	24.14	
Channel				503202	518598	534000	25.2
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.29	24.22	24.16	
Channel				502200	518598	534996	25.2
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.32	24.28	24.11	
Channel				501204	518598	535998	25.2
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.34	24.24	24.19	
Channel				500700	518598	536496	25.2
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.26	24.22	24.13	
Channel				500202	518598	537000	25.2
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.32	24.27	24.18	



<FR1 n41_HPUE_Ant 0_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	26.4
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.06	25.20	25.07	
100	PI/2 BPSK	1	137	24.83	24.89	24.81	26.4
100	PI/2 BPSK	1	271	24.84	24.99	24.85	
100	PI/2 BPSK	135	0	24.73	24.94	24.84	
100	PI/2 BPSK	135	69	24.96	25.10	24.94	26.4
100	PI/2 BPSK	135	138	24.69	24.84	24.82	26.4
100	PI/2 BPSK	270	0	24.71	24.90	24.80	
100	QPSK	1	1	24.97	25.08	24.95	
100	QPSK	1	137	24.77	24.82	24.88	26.4
100	QPSK	1	271	24.92	25.02	24.88	
100	QPSK	135	0	24.67	24.83	24.80	
100	QPSK	135	69	24.78	24.95	24.83	26.0
100	QPSK	135	138	24.81	24.96	24.83	26.0
100	QPSK	270	0	24.75	24.91	24.73	
100	16QAM	1	1	24.91	25.11	25.05	
100	64QAM	1	1	23.28	23.37	23.22	24.5
100	256QAM	1	1	21.41	21.69	21.54	22.5
Channel				508200	518598	528996	26.4
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.96	25.13	25.06	
Channel				507204	518598	529998	26.4
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.03	25.10	24.98	
Channel				506202	518598	531000	26.4
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.01	25.17	24.98	
Channel				505200	518598	531996	26.4
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.98	25.14	24.99	
Channel				504204	518598	532998	26.4
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.01	25.19	24.98	
Channel				503202	518598	534000	26.4
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.98	25.17	24.99	
Channel				502200	518598	534996	26.4
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.03	25.18	25.03	
Channel				501204	518598	535998	26.4
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.98	25.10	25.02	
Channel				500700	518598	536496	26.4
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.97	25.16	25.04	
Channel				500202	518598	537000	26.4
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.04	25.19	24.99	



<FR1 n41_HPUE_Ant 5_Index 5>

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



<FR1 n41_HPUE_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	21.8
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.13	21.15	21.11	
100	PI/2 BPSK	1	137	20.90	21.01	20.99	21.8
100	PI/2 BPSK	1	271	21.04	21.08	21.10	
100	PI/2 BPSK	135	0	20.93	20.91	20.96	
100	PI/2 BPSK	135	69	20.96	21.02	21.00	21.8
100	PI/2 BPSK	135	138	20.88	20.94	20.94	21.8
100	PI/2 BPSK	270	0	20.92	20.98	20.91	
100	QPSK	1	1	21.12	21.14	21.08	
100	QPSK	1	137	20.91	20.96	20.99	21.8
100	QPSK	1	271	21.02	21.07	20.95	
100	QPSK	135	0	20.98	20.96	20.94	
100	QPSK	135	69	20.87	20.93	20.98	21.8
100	QPSK	135	138	20.86	20.99	20.91	21.8
100	QPSK	270	0	20.95	20.95	20.94	
100	16QAM	1	1	21.07	21.05	21.12	
100	64QAM	1	1	21.05	21.04	21.05	21.8
100	256QAM	1	1	20.97	20.99	20.95	21.8
Channel				508200	518598	528996	21.8
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.02	21.12	21.09	
Channel				507204	518598	529998	21.8
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.03	21.08	21.08	
Channel				506202	518598	531000	21.8
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	21.06	21.12	21.08	
Channel				505200	518598	531996	21.8
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.04	21.14	21.09	
Channel				504204	518598	532998	21.8
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.04	21.07	21.04	
Channel				503202	518598	534000	21.8
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.08	21.12	21.02	
Channel				502200	518598	534996	21.8
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.04	21.13	21.02	
Channel				501204	518598	535998	21.8
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.01	21.12	21.04	
Channel				500700	518598	536496	21.8
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.05	21.06	21.00	
Channel				500202	518598	537000	21.8
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.04	21.05	21.10	



<FR1 n41_HPUE_Ant 0_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	25.6
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.06	25.20	25.07	
100	PI/2 BPSK	1	137	24.83	24.89	24.81	25.6
100	PI/2 BPSK	1	271	24.84	24.99	24.85	
100	PI/2 BPSK	135	0	24.73	24.94	24.84	
100	PI/2 BPSK	135	69	24.96	25.10	24.94	25.6
100	PI/2 BPSK	135	138	24.69	24.84	24.82	25.6
100	PI/2 BPSK	270	0	24.71	24.90	24.80	
100	QPSK	1	1	24.97	25.08	24.95	
100	QPSK	1	137	24.77	24.82	24.88	25.6
100	QPSK	1	271	24.92	25.02	24.88	
100	QPSK	135	0	24.67	24.83	24.80	
100	QPSK	135	69	24.78	24.95	24.83	25.6
100	QPSK	135	138	24.81	24.96	24.83	25.6
100	QPSK	270	0	24.75	24.91	24.73	
100	16QAM	1	1	24.91	25.11	25.05	
100	64QAM	1	1	23.28	23.37	23.22	24.5
100	256QAM	1	1	21.41	21.69	21.54	22.5
Channel				508200	518598	528996	25.6
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.96	25.13	25.06	
Channel				507204	518598	529998	25.6
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.03	25.10	24.98	
Channel				506202	518598	531000	25.6
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.01	25.17	24.98	
Channel				505200	518598	531996	25.6
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.98	25.14	24.99	
Channel				504204	518598	532998	25.6
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.01	25.19	24.98	
Channel				503202	518598	534000	25.6
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.98	25.17	24.99	
Channel				502200	518598	534996	25.6
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.03	25.18	25.03	
Channel				501204	518598	535998	25.6
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.98	25.10	25.02	
Channel				500700	518598	536496	25.6
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.97	25.16	25.04	
Channel				500202	518598	537000	25.6
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.04	25.19	24.99	



<FR1 n41_HPUE_Ant 5_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	25.7
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	25.7
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	24.74	24.72	25.7
100	PI/2 BPSK	135	138	24.63	24.69	24.68	25.7
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	25.7
100	QPSK	1	271	24.81	24.87	24.67	
100	QPSK	135	0	24.72	24.71	24.72	
100	QPSK	135	69	24.71	24.73	24.73	25.7
100	QPSK	135	138	24.70	24.70	24.73	25.7
100	QPSK	270	0	24.74	24.65	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	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.92	24.94	24.68	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.91	24.97	24.84	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	24.90	24.97	24.83	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.95	24.93	24.92	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.96	24.89	24.87	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.98	24.98	24.79	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.94	24.94	24.75	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.93	24.98	24.77	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.96	24.94	24.80	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.92	24.91	24.79	



FCC SAR TEST REPORT

Report No. : FA3D2001D

<FR1 n48_Ant 1_Index 2>									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
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	13.77	13.63	13.67	14.60	14.60	14.60
10	PI/2 BPSK	1	22	13.70	13.65	13.71	14.60	14.60	14.60
10	PI/2 BPSK	12	6	13.61	13.52	13.54	14.60	14.60	14.60
10	PI/2 BPSK	1	0	13.69	13.62	13.75	14.60	14.60	14.60
10	PI/2 BPSK	1	23	13.65	13.58	13.60	14.60	14.60	14.60
10	PI/2 BPSK	24	0	13.54	13.63	13.57	14.60	14.60	14.60
10	QPSK	1	1	13.61	13.61	13.66	14.60	14.60	14.60
10	QPSK	1	22	13.64	13.63	13.62	14.60	14.60	14.60
10	QPSK	12	6	13.57	13.59	13.56	14.60	14.60	14.60
10	QPSK	1	0	13.62	13.70	13.59	14.60	14.60	14.60
10	QPSK	1	23	13.62	13.66	13.59	14.60	14.60	14.60
10	QPSK	24	0	13.61	13.65	13.55	14.60	14.60	14.60
10	16QAM	1	1	13.71	13.66	13.70	14.60	14.60	14.60
10	64QAM	1	1	13.66	13.78	13.70	14.60	14.60	14.60
10	256QAM	1	1	13.53	13.61	13.53	14.60	14.60	14.60
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	13.64	13.62	13.63	14.60	14.60	14.60
15	PI/2 BPSK	1	36	13.71	13.71	13.67	14.60	14.60	14.60
15	PI/2 BPSK	18	9	13.62	13.60	13.64	14.60	14.60	14.60
15	PI/2 BPSK	1	0	13.66	13.70	13.72	14.60	14.60	14.60
15	PI/2 BPSK	1	37	13.68	13.67	13.65	14.60	14.60	14.60
15	PI/2 BPSK	36	0	13.57	13.57	13.59	14.60	14.60	14.60
15	QPSK	1	1	13.66	13.73	13.69	14.60	14.60	14.60
15	QPSK	1	36	13.64	13.61	13.70	14.60	14.60	14.60
15	QPSK	18	9	13.68	13.56	13.58	14.60	14.60	14.60
15	QPSK	1	0	13.57	13.62	13.68	14.60	14.60	14.60
15	QPSK	1	37	13.65	13.65	13.64	14.60	14.60	14.60
15	QPSK	36	0	13.62	13.63	13.60	14.60	14.60	14.60
15	16QAM	1	1	13.69	13.68	13.67	14.60	14.60	14.60
15	64QAM	1	1	13.65	13.71	13.62	14.60	14.60	14.60
15	256QAM	1	1	13.62	13.55	13.60	14.60	14.60	14.60
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	13.75	13.76	13.71	14.60	14.60	14.60
20	PI/2 BPSK	1	49	13.69	13.60	13.72	14.60	14.60	14.60
20	PI/2 BPSK	25	12	13.61	13.60	13.61	14.60	14.60	14.60
20	PI/2 BPSK	1	0	13.67	13.71	13.62	14.60	14.60	14.60
20	PI/2 BPSK	1	50	13.59	13.62	13.62	14.60	14.60	14.60
20	PI/2 BPSK	50	0	13.52	13.62	13.53	14.60	14.60	14.60
20	QPSK	1	1	13.66	13.70	13.74	14.60	14.60	14.60
20	QPSK	1	49	13.69	13.61	13.73	14.60	14.60	14.60
20	QPSK	25	12	13.63	13.57	13.54	14.60	14.60	14.60
20	QPSK	1	0	13.57	13.63	13.72	14.60	14.60	14.60
20	QPSK	1	50	13.57	13.69	13.71	14.60	14.60	14.60
20	QPSK	50	0	13.55	13.62	13.59	14.60	14.60	14.60
20	16QAM	1	1	13.64	13.68	13.71	14.60	14.60	14.60
20	64QAM	1	1	13.60	13.71	13.72	14.60	14.60	14.60
20	256QAM	1	1	13.54	13.57	13.62	14.60	14.60	14.60
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	13.70	12.04	13.00	14.60	13.00
30	PI/2 BPSK	1	76	11.98	13.60	11.82	13.00	14.60	13.00
30	PI/2 BPSK	36	18	12.04	13.64	13.57	13.00	14.60	14.60
30	PI/2 BPSK	1	0	12.23	13.75	12.02	13.00	14.60	13.00
30	PI/2 BPSK	1	77	11.99	13.57	11.82	13.00	14.60	13.00
30	PI/2 BPSK	75	0	12.06	13.60	11.91	13.00	14.60	13.00
30	QPSK	1	1	12.19	13.63	12.05	13.00	14.60	13.00
30	QPSK	1	76	12.00	13.70	11.82	13.00	14.60	13.00
30	QPSK	36	18	12.05	13.50	13.60	13.00	14.60	14.60
30	QPSK	1	0	12.18	13.63	12.03	13.00	14.60	13.00
30	QPSK	1	77	11.98	13.63	11.80	13.00	14.60	13.00
30	QPSK	75	0	12.03	13.67	11.91	13.00	14.60	13.00
30	16QAM	1	1	11.68	13.71	11.48	13.00	14.60	13.00
30	64QAM	1	1	11.57	13.70	11.48	13.00	14.60	13.00
30	256QAM	1	1	11.78	13.52	11.56	13.00	14.60	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	13.76	11.98	13.00	14.60	13.00
40	PI/2 BPSK	1	104	11.97	13.75	11.84	13.00	14.60	13.00
40	PI/2 BPSK	50	25	12.05	13.67	11.95	13.00	14.60	13.00
40	PI/2 BPSK	1	0	12.21	13.77	11.99	13.00	14.60	13.00
40	PI/2 BPSK	1	105	11.93	13.67	11.84	13.00	14.60	13.00
40	PI/2 BPSK	100	0	12.09	13.62	11.95	13.00	14.60	13.00
40	QPSK	1	1	12.21	13.67	11.97	13.00	14.60	13.00
40	QPSK	1	104	11.97	13.73	11.84	13.00	14.60	13.00
40	QPSK	50	25	12.06	13.60	11.97	13.00	14.60	13.00
40	QPSK	1	0	12.19	13.72	11.94	13.00	14.60	13.00
40	QPSK	1	105	11.96	13.74	11.85	13.00	14.60	13.00
40	QPSK	100	0	12.06	13.71	11.98	13.00	14.60	13.00
40	16QAM	1	1	11.84	13.74	11.57	13.00	14.60	13.00
40	64QAM	1	1	11.74	13.69	11.57	13.00	14.60	13.00
40	256QAM	1	1	11.76	13.67	11.37	13.00	14.60	13.00



<FR1 n48_Ant 2_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	24.60	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



<FR1 n48_Ant 5_Index 2>

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



<FR1 n48_Ant 6_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
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	24.30	24.30	24.30
10	PI/2 BPSK	1	23	23.89	23.97	24.03	24.30	24.30	24.30
10	PI/2 BPSK	24	0	23.92	23.98	24.01	24.30	24.30	24.30
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	24.30	24.30	24.30
10	QPSK	1	23	23.41	23.44	23.55	24.30	24.30	24.30
10	QPSK	24	0	23.43	23.46	23.50	24.30	24.30	24.30
10	16QAM	1	1	23.36	23.59	23.43	24.30	24.30	24.30
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	24.30	24.30
15	PI/2 BPSK	1	37	23.94	24.03	20.46	24.30	24.30	21.00
15	PI/2 BPSK	36	0	20.42	23.95	20.51	21.00	24.30	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	24.30	24.30
15	QPSK	1	37	23.44	23.50	20.44	24.30	24.30	21.00
15	QPSK	36	0	20.47	23.48	20.47	21.00	24.30	21.00
15	16QAM	1	1	19.50	23.46	23.44	21.00	24.30	24.30
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	24.30	24.30
20	PI/2 BPSK	1	50	23.92	23.96	20.46	24.30	24.30	21.00
20	PI/2 BPSK	50	0	20.46	23.93	20.44	21.00	24.30	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	24.30	24.30
20	QPSK	1	50	23.49	23.52	20.48	24.30	24.30	21.00
20	QPSK	50	0	20.44	23.45	20.42	21.00	24.30	21.00
20	16QAM	1	1	19.55	23.54	23.46	21.00	24.30	24.30
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



FCC SAR TEST REPORT

Report No. : FA3D2001D

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



<FR1 n48_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
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	13.77	13.63	13.67	13.80	13.80	13.80
10	PI/2 BPSK	1	22	13.70	13.65	13.71	13.80	13.80	13.80
10	PI/2 BPSK	12	6	13.61	13.52	13.54	13.80	13.80	13.80
10	PI/2 BPSK	1	0	13.69	13.62	13.75	13.80	13.80	13.80
10	PI/2 BPSK	1	23	13.65	13.58	13.60	13.80	13.80	13.80
10	PI/2 BPSK	24	0	13.54	13.63	13.57	13.80	13.80	13.80
10	QPSK	1	1	13.61	13.61	13.66	13.80	13.80	13.80
10	QPSK	1	22	13.64	13.63	13.62	13.80	13.80	13.80
10	QPSK	12	6	13.57	13.59	13.56	13.80	13.80	13.80
10	QPSK	1	0	13.62	13.70	13.59	13.80	13.80	13.80
10	QPSK	1	23	13.62	13.66	13.59	13.80	13.80	13.80
10	QPSK	24	0	13.61	13.65	13.55	13.80	13.80	13.80
10	16QAM	1	1	13.71	13.66	13.70	13.80	13.80	13.80
10	64QAM	1	1	13.66	13.78	13.70	13.80	13.80	13.80
10	256QAM	1	1	13.53	13.61	13.53	13.80	13.80	13.80
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	13.64	13.62	13.63	13.80	13.80	13.80
15	PI/2 BPSK	1	36	13.71	13.71	13.67	13.80	13.80	13.80
15	PI/2 BPSK	18	9	13.62	13.60	13.64	13.80	13.80	13.80
15	PI/2 BPSK	1	0	13.66	13.70	13.72	13.80	13.80	13.80
15	PI/2 BPSK	1	37	13.68	13.67	13.65	13.80	13.80	13.80
15	PI/2 BPSK	36	0	13.57	13.57	13.59	13.80	13.80	13.80
15	QPSK	1	1	13.66	13.73	13.69	13.80	13.80	13.80
15	QPSK	1	36	13.64	13.61	13.70	13.80	13.80	13.80
15	QPSK	18	9	13.68	13.56	13.58	13.80	13.80	13.80
15	QPSK	1	0	13.57	13.62	13.68	13.80	13.80	13.80
15	QPSK	1	37	13.65	13.65	13.64	13.80	13.80	13.80
15	QPSK	36	0	13.62	13.63	13.60	13.80	13.80	13.80
15	16QAM	1	1	13.69	13.68	13.67	13.80	13.80	13.80
15	64QAM	1	1	13.65	13.71	13.62	13.80	13.80	13.80
15	256QAM	1	1	13.62	13.55	13.60	13.80	13.80	13.80
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	13.75	13.76	13.71	13.80	13.80	13.80
20	PI/2 BPSK	1	49	13.69	13.60	13.72	13.80	13.80	13.80
20	PI/2 BPSK	25	12	13.61	13.60	13.61	13.80	13.80	13.80
20	PI/2 BPSK	1	0	13.67	13.71	13.62	13.80	13.80	13.80
20	PI/2 BPSK	1	50	13.59	13.62	13.62	13.80	13.80	13.80
20	PI/2 BPSK	50	0	13.52	13.62	13.53	13.80	13.80	13.80
20	QPSK	1	1	13.66	13.70	13.74	13.80	13.80	13.80
20	QPSK	1	49	13.69	13.61	13.73	13.80	13.80	13.80
20	QPSK	25	12	13.63	13.57	13.54	13.80	13.80	13.80
20	QPSK	1	0	13.57	13.63	13.72	13.80	13.80	13.80
20	QPSK	1	50	13.57	13.69	13.71	13.80	13.80	13.80
20	QPSK	50	0	13.55	13.62	13.59	13.80	13.80	13.80
20	16QAM	1	1	13.64	13.68	13.71	13.80	13.80	13.80
20	64QAM	1	1	13.60	13.71	13.72	13.80	13.80	13.80
20	256QAM	1	1	13.54	13.57	13.62	13.80	13.80	13.80
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	13.70	12.04	13.00	13.80	13.00
30	PI/2 BPSK	1	76	11.98	13.60	11.82	13.00	13.80	13.00
30	PI/2 BPSK	36	18	12.04	13.64	13.57	13.00	13.80	13.80
30	PI/2 BPSK	1	0	12.23	13.75	12.02	13.00	13.80	13.00
30	PI/2 BPSK	1	77	11.99	13.57	11.82	13.00	13.80	13.00
30	PI/2 BPSK	75	0	12.06	13.60	11.91	13.00	13.80	13.00
30	QPSK	1	1	12.19	13.63	12.05	13.00	13.80	13.00
30	QPSK	1	76	12.00	13.70	11.82	13.00	13.80	13.00
30	QPSK	36	18	12.05	13.50	13.60	13.00	13.80	13.80
30	QPSK	1	0	12.18	13.63	12.03	13.00	13.80	13.00
30	QPSK	1	77	11.98	13.63	11.80	13.00	13.80	13.00
30	QPSK	75	0	12.03	13.67	11.91	13.00	13.80	13.00
30	16QAM	1	1	11.68	13.71	11.48	13.00	13.80	13.00
30	64QAM	1	1	11.57	13.70	11.48	13.00	13.80	13.00
30	256QAM	1	1	11.78	13.52	11.56	13.00	13.80	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	13.76	11.98	13.00	13.80	13.00
40	PI/2 BPSK	1	104	11.97	13.75	11.84	13.00	13.80	13.00
40	PI/2 BPSK	50	25	12.05	13.67	11.95	13.00	13.80	13.00
40	PI/2 BPSK	1	0	12.21	13.77	11.99	13.00	13.80	13.00
40	PI/2 BPSK	1	105	11.93	13.67	11.84	13.00	13.80	13.00
40	PI/2 BPSK	100	0	12.09	13.62	11.95	13.00	13.80	13.00
40	QPSK	1	1	12.21	13.67	11.97	13.00	13.80	13.00
40	QPSK	1	104	11.97	13.73	11.84	13.00	13.80	13.00
40	QPSK	50	25	12.06	13.60	11.97	13.00	13.80	13.00
40	QPSK	1	0	12.19	13.72	11.94	13.00	13.80	13.00
40	QPSK	1	105	11.96	13.74	11.85	13.00	13.80	13.00
40	QPSK	100	0	12.06	13.71	11.98	13.00	13.80	13.00
40	16QAM	1	1	11.84	13.74	11.57	13.00	13.80	13.00
40	64QAM	1	1	11.74	13.69	11.57	13.00	13.80	13.00
40	256QAM	1	1	11.76	13.67	11.37	13.00	13.80	13.00

<FR1 n48_Ant 5_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				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	24.4
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	24.4
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	24.4
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	24.0
40	QPSK	50	28	23.97	24.00	23.96	24.4
40	QPSK	50	56	22.90	22.99	22.95	24.0
40	QPSK	100	0	22.96	23.01	22.92	
40	16QAM	1	1	23.00	23.01	22.96	24.0
40	64QAM	1	1	21.55	21.58	21.49	22.5
40	256QAM	1	1	19.70	19.79	19.75	20.5
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	24.4
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	24.4
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	24.4
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	24.4



<FR1 n48_Ant 1_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
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	22.23	22.06	21.97	22.50	22.50	22.50
10	PI/2 BPSK	1	22	22.06	22.10	21.82	22.50	22.50	22.50
10	PI/2 BPSK	12	6	22.15	22.02	21.91	22.50	22.50	22.50
10	PI/2 BPSK	1	0	22.20	22.09	21.96	22.50	22.50	22.50
10	PI/2 BPSK	1	23	22.04	22.10	21.79	22.50	22.50	22.50
10	PI/2 BPSK	24	0	22.14	22.08	21.88	22.50	22.50	22.50
10	QPSK	1	1	22.16	22.11	21.91	22.50	22.50	22.50
10	QPSK	1	22	22.12	22.09	21.90	22.50	22.50	22.50
10	QPSK	12	6	22.13	22.13	21.86	22.50	22.50	22.50
10	QPSK	1	0	22.20	22.12	21.95	22.50	22.50	22.50
10	QPSK	1	23	22.05	22.10	21.91	22.50	22.50	22.50
10	QPSK	24	0	22.13	22.07	21.97	22.50	22.50	22.50
10	16QAM	1	1	22.21	22.17	22.09	22.50	22.50	22.50
10	64QAM	1	1	21.24	21.11	20.91	22.00	22.00	21.00
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	22.09	21.98	20.00	22.50	22.50
15	PI/2 BPSK	1	36	22.10	22.06	19.43	22.50	22.50	20.00
15	PI/2 BPSK	18	9	22.10	22.09	22.01	22.50	22.50	22.50
15	PI/2 BPSK	1	0	19.71	22.13	22.01	20.00	22.50	22.50
15	PI/2 BPSK	1	37	22.02	22.11	19.43	22.50	22.50	20.00
15	PI/2 BPSK	36	0	19.63	22.08	19.49	20.00	22.50	20.00
15	QPSK	1	1	19.85	22.21	22.03	20.00	22.50	22.50
15	QPSK	1	36	22.13	22.07	19.43	22.50	22.50	20.00
15	QPSK	18	9	22.13	22.12	21.99	22.50	22.50	22.50
15	QPSK	1	0	19.69	22.17	22.01	20.00	22.50	22.50
15	QPSK	1	37	22.07	22.09	19.46	22.50	22.50	20.00
15	QPSK	36	0	19.67	22.14	19.51	20.00	22.50	20.00
15	16QAM	1	1	18.67	22.13	22.14	20.00	22.50	22.50
15	64QAM	1	1	18.86	21.32	21.00	20.00	22.00	21.00
15	256QAM	1	1	19.36	19.00	19.03	20.00	19.00	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	22.23	22.02	20.00	22.50	22.50
20	PI/2 BPSK	1	49	22.08	22.18	19.49	22.50	22.50	20.00
20	PI/2 BPSK	25	12	22.08	22.06	21.97	22.50	22.50	22.50
20	PI/2 BPSK	1	0	19.71	22.15	22.09	20.00	22.50	22.50
20	PI/2 BPSK	1	50	22.11	22.11	19.47	22.50	22.50	20.00
20	PI/2 BPSK	50	0	19.67	22.14	19.54	20.00	22.50	20.00
20	QPSK	1	1	19.80	22.19	22.00	20.00	22.50	22.50
20	QPSK	1	49	22.11	22.12	19.37	22.50	22.50	20.00
20	QPSK	25	12	22.18	22.17	21.96	22.50	22.50	22.50
20	QPSK	1	0	19.80	22.17	21.98	20.00	22.50	22.50
20	QPSK	1	50	22.12	22.08	19.39	22.50	22.50	20.00
20	QPSK	50	0	19.68	22.17	19.49	20.00	22.50	20.00
20	16QAM	1	1	18.72	22.38	22.06	20.00	22.50	22.50
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	22.07	21.94	13.00	22.50	22.50
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	22.06	21.93	13.00	22.50	22.50
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	22.05	11.95	13.00	22.50	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	22.01	11.97	13.00	22.50	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 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.22	20.24	20.23	21.1
40	PI/2 BPSK	1	53	20.10	20.19	20.08	
40	PI/2 BPSK	1	104	20.06	20.17	20.07	
40	PI/2 BPSK	50	0	20.15	20.18	20.09	21.1
40	PI/2 BPSK	50	28	20.18	20.22	20.20	21.1
40	PI/2 BPSK	50	56	20.10	20.18	20.17	21.1
40	PI/2 BPSK	100	0	20.18	20.21	20.15	
40	QPSK	1	1	20.09	20.20	20.15	21.1
40	QPSK	1	53	20.11	20.16	20.08	
40	QPSK	1	104	20.09	20.20	20.14	
40	QPSK	50	0	20.10	20.18	20.10	21.1
40	QPSK	50	28	20.14	20.19	20.08	21.1
40	QPSK	50	56	20.07	20.13	20.12	21.1
40	QPSK	100	0	20.08	20.11	20.10	
40	16QAM	1	1	20.03	20.12	20.03	21.1
40	64QAM	1	1	20.06	20.09	20.01	21.1
40	256QAM	1	1	19.94	20.02	19.98	20.8
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	20.20	20.16	20.16	21.1
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	20.21	20.23	20.20	21.1
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	20.15	20.23	20.14	21.1
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	20.22	20.22	20.22	21.1

<FR1 n48_Ant 5_Index 4>

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

<FR1 n48_Ant 6_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
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	22.79	22.84	22.86	23.70	23.70	23.70
10	PI/2 BPSK	1	22	22.77	22.84	22.88	23.70	23.70	23.70
10	PI/2 BPSK	12	6	22.82	22.80	22.84	23.70	23.70	23.70
10	PI/2 BPSK	1	0	22.85	22.76	22.90	23.70	23.70	23.70
10	PI/2 BPSK	1	23	22.70	22.85	22.85	23.70	23.70	23.70
10	PI/2 BPSK	24	0	22.76	22.79	22.90	23.70	23.70	23.70
10	QPSK	1	1	22.89	22.86	22.92	23.70	23.70	23.70
10	QPSK	1	22	22.77	22.91	22.87	23.70	23.70	23.70
10	QPSK	12	6	22.74	22.82	22.79	23.70	23.70	23.70
10	QPSK	1	0	22.30	22.29	22.36	23.70	23.70	23.70
10	QPSK	1	23	22.66	22.72	22.85	23.70	23.70	23.70
10	QPSK	24	0	22.64	22.69	22.77	23.70	23.70	23.70
10	16QAM	1	1	22.63	22.87	22.70	23.70	23.70	23.70
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	22.82	22.86	21.00	23.70	23.70
15	PI/2 BPSK	1	36	22.86	22.92	20.51	23.70	23.70	21.00
15	PI/2 BPSK	18	9	22.78	22.81	22.85	23.70	23.70	23.70
15	PI/2 BPSK	1	0	20.41	22.34	22.31	21.00	23.70	23.70
15	PI/2 BPSK	1	37	22.31	22.33	20.46	23.70	23.70	21.00
15	PI/2 BPSK	36	0	20.42	22.35	20.51	21.00	23.70	21.00
15	QPSK	1	1	20.50	22.78	22.85	21.00	23.70	23.70
15	QPSK	1	36	22.73	22.81	20.45	23.70	23.70	21.00
15	QPSK	18	9	22.85	22.77	22.93	23.70	23.70	23.70
15	QPSK	1	0	20.50	22.84	22.87	21.00	23.70	23.70
15	QPSK	1	37	22.86	22.50	20.44	23.70	23.70	21.00
15	QPSK	36	0	20.47	22.88	20.47	21.00	23.70	21.00
15	16QAM	1	1	19.50	22.76	22.74	21.00	23.70	23.70
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	22.86	22.81	21.00	23.70	23.70
20	PI/2 BPSK	1	49	22.84	22.78	20.43	23.70	23.70	21.00
20	PI/2 BPSK	25	12	22.82	22.81	22.81	23.70	23.70	23.70
20	PI/2 BPSK	1	0	20.42	22.75	22.77	21.00	23.70	23.70
20	PI/2 BPSK	1	50	22.76	22.76	20.46	23.70	23.70	21.00
20	PI/2 BPSK	50	0	20.46	22.79	20.44	21.00	23.70	21.00
20	QPSK	1	1	20.56	22.78	22.74	21.00	23.70	23.70
20	QPSK	1	49	22.82	22.90	20.42	23.70	23.70	21.00
20	QPSK	25	12	22.83	22.78	22.81	23.70	23.70	23.70
20	QPSK	1	0	20.55	22.51	22.47	21.00	23.70	23.70
20	QPSK	1	50	22.89	22.52	20.48	23.70	23.70	21.00
20	QPSK	50	0	20.44	22.48	20.42	21.00	23.70	21.00
20	16QAM	1	1	19.55	22.54	22.44	21.00	23.70	23.70
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



FCC SAR TEST REPORT

Report No. : FA3D2001D

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	22.78	22.81	13.00	23.70	23.70
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	22.78	22.80	13.00	23.70	23.70
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	22.85	12.86	13.00	23.70	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	22.80	12.84	13.00	23.70	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



FCC SAR TEST REPORT

Report No. : FA3D2001D

<FR1 n48_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
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	22.23	22.06	21.97	23.30	23.30	23.30
10	PI/2 BPSK	1	22	22.06	22.10	21.82	23.30	23.30	23.30
10	PI/2 BPSK	12	6	22.15	22.02	21.91	23.30	23.30	23.30
10	PI/2 BPSK	1	0	22.20	22.09	21.96	23.30	23.30	22.00
10	PI/2 BPSK	1	23	22.04	22.10	21.79	23.30	23.30	22.00
10	PI/2 BPSK	24	0	22.14	22.08	21.88	23.30	23.30	22.00
10	QPSK	1	1	22.16	22.11	21.91	23.30	23.30	23.30
10	QPSK	1	22	22.12	22.09	21.90	23.30	23.30	23.30
10	QPSK	12	6	22.13	22.13	21.86	23.30	23.30	23.30
10	QPSK	1	0	22.20	22.12	21.95	23.00	23.00	22.00
10	QPSK	1	23	22.05	22.10	21.91	23.00	23.00	22.00
10	QPSK	24	0	22.13	22.07	21.97	23.00	23.00	22.00
10	16QAM	1	1	22.21	22.17	22.09	23.00	23.00	23.00
10	64QAM	1	1	21.24	21.11	20.91	22.00	22.00	21.00
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	22.09	21.98	20.00	23.30	23.30
15	PI/2 BPSK	1	36	22.10	22.06	19.43	23.30	23.30	20.00
15	PI/2 BPSK	18	9	22.10	22.09	22.01	23.30	23.30	23.30
15	PI/2 BPSK	1	0	19.71	22.13	22.01	20.00	23.30	23.30
15	PI/2 BPSK	1	37	22.02	22.11	19.43	23.30	23.30	20.00
15	PI/2 BPSK	36	0	19.63	22.08	19.49	20.00	23.30	20.00
15	QPSK	1	1	19.85	22.21	22.03	20.00	23.30	23.30
15	QPSK	1	36	22.13	22.07	19.43	23.30	23.30	20.00
15	QPSK	18	9	22.13	22.12	21.99	23.30	23.30	23.30
15	QPSK	1	0	19.69	22.17	22.01	20.00	23.00	23.00
15	QPSK	1	37	22.07	22.09	19.46	23.00	23.00	20.00
15	QPSK	36	0	19.67	22.14	19.51	20.00	23.00	20.00
15	16QAM	1	1	18.67	22.13	22.14	20.00	23.00	23.00
15	64QAM	1	1	18.86	21.32	21.00	20.00	22.00	21.00
15	256QAM	1	1	19.36	19.00	19.03	20.00	19.00	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	22.23	22.02	20.00	23.30	23.30
20	PI/2 BPSK	1	49	22.08	22.18	19.49	23.30	23.30	20.00
20	PI/2 BPSK	25	12	22.08	22.06	21.97	23.30	23.30	23.30
20	PI/2 BPSK	1	0	19.71	22.15	22.09	20.00	23.30	23.30
20	PI/2 BPSK	1	50	22.11	22.11	19.47	23.30	23.30	20.00
20	PI/2 BPSK	50	0	19.67	22.14	19.54	20.00	23.30	20.00
20	QPSK	1	1	19.80	22.19	22.00	20.00	23.30	23.30
20	QPSK	1	49	22.11	22.12	19.37	23.30	23.30	20.00
20	QPSK	25	12	22.18	22.17	21.96	23.30	23.30	23.30
20	QPSK	1	0	19.80	22.17	21.98	20.00	23.00	22.00
20	QPSK	1	50	22.12	22.08	19.39	23.00	23.00	20.00
20	QPSK	50	0	19.68	22.17	19.49	20.00	23.00	20.00
20	16QAM	1	1	18.72	22.38	22.06	20.00	23.00	23.00
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	22.07	21.94	13.00	23.30	23.30
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	22.06	21.93	13.00	23.30	23.30
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	22.05	11.95	13.00	23.30	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	22.01	11.97	13.00	23.30	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 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.22	20.24	20.23	21.9
40	PI/2 BPSK	1	53	20.10	20.19	20.08	
40	PI/2 BPSK	1	104	20.06	20.17	20.07	
40	PI/2 BPSK	50	0	20.15	20.18	20.09	21.9
40	PI/2 BPSK	50	28	20.18	20.22	20.20	21.9
40	PI/2 BPSK	50	56	20.10	20.18	20.17	21.9
40	PI/2 BPSK	100	0	20.18	20.21	20.15	
40	QPSK	1	1	20.09	20.20	20.15	21.9
40	QPSK	1	53	20.11	20.16	20.08	
40	QPSK	1	104	20.09	20.20	20.14	
40	QPSK	50	0	20.10	20.18	20.10	21.9
40	QPSK	50	28	20.14	20.19	20.08	21.9
40	QPSK	50	56	20.07	20.13	20.12	21.9
40	QPSK	100	0	20.08	20.11	20.10	
40	16QAM	1	1	20.03	20.12	20.03	21.9
40	64QAM	1	1	20.06	20.09	20.01	21.9
40	256QAM	1	1	19.94	20.02	19.98	20.8
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	20.20	20.16	20.16	21.9
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	20.21	20.23	20.20	21.9
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	20.15	20.23	20.14	21.9
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	20.22	20.22	20.22	21.9



<FR1 n48_Ant 5_Index 5>

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



<FR1 n48_Ant 6_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
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	22.79	22.84	22.86	24.50	24.50	24.50
10	PI/2 BPSK	1	22	22.77	22.84	22.88	24.50	24.50	24.50
10	PI/2 BPSK	12	6	22.82	22.80	22.84	24.50	24.50	24.50
10	PI/2 BPSK	1	0	22.85	22.76	22.90	24.30	24.30	24.30
10	PI/2 BPSK	1	23	22.70	22.85	22.85	24.30	24.30	24.30
10	PI/2 BPSK	24	0	22.76	22.79	22.90	24.30	24.30	24.30
10	QPSK	1	1	22.89	22.86	22.92	24.50	24.50	24.50
10	QPSK	1	22	22.77	22.91	22.87	24.50	24.50	24.50
10	QPSK	12	6	22.74	22.82	22.79	24.50	24.50	24.50
10	QPSK	1	0	22.30	22.29	22.36	24.30	24.30	24.30
10	QPSK	1	23	22.66	22.72	22.85	24.30	24.30	24.30
10	QPSK	24	0	22.64	22.69	22.77	24.30	24.30	24.30
10	16QAM	1	1	22.63	22.87	22.70	24.30	24.30	24.30
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	22.82	22.86	21.00	24.50	24.50
15	PI/2 BPSK	1	36	22.86	22.92	20.51	24.50	24.50	21.00
15	PI/2 BPSK	18	9	22.78	22.81	22.85	24.50	24.50	24.50
15	PI/2 BPSK	1	0	20.41	22.34	22.31	21.00	24.30	24.30
15	PI/2 BPSK	1	37	22.31	22.33	20.46	24.30	24.30	21.00
15	PI/2 BPSK	36	0	20.42	22.35	20.51	21.00	24.30	21.00
15	QPSK	1	1	20.50	22.78	22.85	21.00	24.50	24.50
15	QPSK	1	36	22.73	22.81	20.45	24.50	24.50	21.00
15	QPSK	18	9	22.85	22.77	22.93	24.50	24.50	24.50
15	QPSK	1	0	20.50	22.84	22.87	21.00	24.30	24.30
15	QPSK	1	37	22.86	22.50	20.44	24.30	24.30	21.00
15	QPSK	36	0	20.47	22.88	20.47	21.00	24.30	21.00
15	16QAM	1	1	19.50	22.76	22.74	21.00	24.30	24.30
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	22.86	22.81	21.00	24.50	24.50
20	PI/2 BPSK	1	49	22.84	22.78	20.43	24.50	24.50	21.00
20	PI/2 BPSK	25	12	22.82	22.81	22.81	24.50	24.50	24.50
20	PI/2 BPSK	1	0	20.42	22.75	22.77	21.00	24.30	24.30
20	PI/2 BPSK	1	50	22.76	22.76	20.46	24.30	24.30	21.00
20	PI/2 BPSK	50	0	20.46	22.79	20.44	21.00	24.30	21.00
20	QPSK	1	1	20.56	22.78	22.74	21.00	24.50	24.50
20	QPSK	1	49	22.82	22.90	20.42	24.50	24.50	21.00
20	QPSK	25	12	22.83	22.78	22.81	24.50	24.50	24.50
20	QPSK	1	0	20.55	22.51	22.47	21.00	24.30	24.30
20	QPSK	1	50	22.89	22.52	20.48	24.30	24.30	21.00
20	QPSK	50	0	20.44	22.48	20.42	21.00	24.30	21.00
20	16QAM	1	1	19.55	22.54	22.44	21.00	24.30	24.30
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



FCC SAR TEST REPORT

Report No. : FA3D2001D

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	22.78	22.81	13.00	24.50	24.50
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	22.78	22.80	13.00	24.50	24.50
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	22.85	12.86	13.00	24.50	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	22.80	12.84	13.00	24.50	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



<FR1 n48_Ant 1_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
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	22.23	22.06	21.97	22.50	22.50	22.50
10	PI/2 BPSK	1	22	22.06	22.10	21.82	22.50	22.50	22.50
10	PI/2 BPSK	12	6	22.15	22.02	21.91	22.50	22.50	22.50
10	PI/2 BPSK	1	0	22.20	22.09	21.96	22.50	22.50	22.50
10	PI/2 BPSK	1	23	22.04	22.10	21.79	22.50	22.50	22.50
10	PI/2 BPSK	24	0	22.14	22.08	21.88	22.50	22.50	22.50
10	QPSK	1	1	22.16	22.11	21.91	22.50	22.50	22.50
10	QPSK	1	22	22.12	22.09	21.90	22.50	22.50	22.50
10	QPSK	12	6	22.13	22.13	21.86	22.50	22.50	22.50
10	QPSK	1	0	22.20	22.12	21.95	22.50	22.50	22.50
10	QPSK	1	23	22.05	22.10	21.91	22.50	22.50	22.50
10	QPSK	24	0	22.13	22.07	21.97	22.50	22.50	22.50
10	16QAM	1	1	22.21	22.17	22.09	22.50	22.50	22.50
10	64QAM	1	1	21.24	21.11	20.91	22.00	22.00	21.00
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	22.09	21.98	20.00	22.50	22.50
15	PI/2 BPSK	1	36	22.10	22.06	19.43	22.50	22.50	20.00
15	PI/2 BPSK	18	9	22.10	22.09	22.01	22.50	22.50	22.50
15	PI/2 BPSK	1	0	19.71	22.13	22.01	20.00	22.50	22.50
15	PI/2 BPSK	1	37	22.02	22.11	19.43	22.50	22.50	20.00
15	PI/2 BPSK	36	0	19.63	22.08	19.49	20.00	22.50	20.00
15	QPSK	1	1	19.85	22.21	22.03	20.00	22.50	22.50
15	QPSK	1	36	22.13	22.07	19.43	22.50	22.50	20.00
15	QPSK	18	9	22.13	22.12	21.99	22.50	22.50	22.50
15	QPSK	1	0	19.69	22.17	22.01	20.00	22.50	22.50
15	QPSK	1	37	22.07	22.09	19.46	22.50	22.50	20.00
15	QPSK	36	0	19.67	22.14	19.51	20.00	22.50	20.00
15	16QAM	1	1	18.67	22.13	22.14	20.00	22.50	22.50
15	64QAM	1	1	18.86	21.32	21.00	20.00	22.00	21.00
15	256QAM	1	1	19.36	19.00	19.03	20.00	19.00	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	22.23	22.02	20.00	22.50	22.50
20	PI/2 BPSK	1	49	22.08	22.18	19.49	22.50	22.50	20.00
20	PI/2 BPSK	25	12	22.08	22.06	21.97	22.50	22.50	22.50
20	PI/2 BPSK	1	0	19.71	22.15	22.09	20.00	22.50	22.50
20	PI/2 BPSK	1	50	22.11	22.11	19.47	22.50	22.50	20.00
20	PI/2 BPSK	50	0	19.67	22.14	19.54	20.00	22.50	20.00
20	QPSK	1	1	19.80	22.19	22.00	20.00	22.50	22.50
20	QPSK	1	49	22.11	22.12	19.37	22.50	22.50	20.00
20	QPSK	25	12	22.18	22.17	21.96	22.50	22.50	22.50
20	QPSK	1	0	19.80	22.17	21.98	20.00	22.50	22.50
20	QPSK	1	50	22.12	22.08	19.39	22.50	22.50	20.00
20	QPSK	50	0	19.68	22.17	19.49	20.00	22.50	20.00
20	16QAM	1	1	18.72	22.38	22.06	20.00	22.50	22.50
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	22.07	21.94	13.00	22.50	22.50
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	22.06	21.93	13.00	22.50	22.50
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	22.05	11.95	13.00	22.50	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	22.01	11.97	13.00	22.50	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 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.22	20.24	20.23	21.1
40	PI/2 BPSK	1	53	20.10	20.19	20.08	
40	PI/2 BPSK	1	104	20.06	20.17	20.07	
40	PI/2 BPSK	50	0	20.15	20.18	20.09	21.1
40	PI/2 BPSK	50	28	20.18	20.22	20.20	21.1
40	PI/2 BPSK	50	56	20.10	20.18	20.17	21.1
40	PI/2 BPSK	100	0	20.18	20.21	20.15	
40	QPSK	1	1	20.09	20.20	20.15	21.1
40	QPSK	1	53	20.11	20.16	20.08	
40	QPSK	1	104	20.09	20.20	20.14	
40	QPSK	50	0	20.10	20.18	20.10	21.1
40	QPSK	50	28	20.14	20.19	20.08	21.1
40	QPSK	50	56	20.07	20.13	20.12	21.1
40	QPSK	100	0	20.08	20.11	20.10	
40	16QAM	1	1	20.03	20.12	20.03	21.1
40	64QAM	1	1	20.06	20.09	20.01	21.1
40	256QAM	1	1	19.94	20.02	19.98	20.8
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	20.20	20.16	20.16	21.1
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	20.21	20.23	20.20	21.1
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	20.15	20.23	20.14	21.1
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	20.22	20.22	20.22	21.1



<FR1 n48_Ant 5_Index 6>

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



<FR1 n48_Ant 6_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)		
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	22.79	22.84	22.86	23.70	23.70	23.70
10	PI/2 BPSK	1	22	22.77	22.84	22.88	23.70	23.70	23.70
10	PI/2 BPSK	12	6	22.82	22.80	22.84	23.70	23.70	23.70
10	PI/2 BPSK	1	0	22.85	22.76	22.90	23.70	23.70	23.70
10	PI/2 BPSK	1	23	22.70	22.85	22.85	23.70	23.70	23.70
10	PI/2 BPSK	24	0	22.76	22.79	22.90	23.70	23.70	23.70
10	QPSK	1	1	22.89	22.86	22.92	23.70	23.70	23.70
10	QPSK	1	22	22.77	22.91	22.87	23.70	23.70	23.70
10	QPSK	12	6	22.74	22.82	22.79	23.70	23.70	23.70
10	QPSK	1	0	22.30	22.29	22.36	23.70	23.70	23.70
10	QPSK	1	23	22.66	22.72	22.85	23.70	23.70	23.70
10	QPSK	24	0	22.64	22.69	22.77	23.70	23.70	23.70
10	16QAM	1	1	22.63	22.87	22.70	23.70	23.70	23.70
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	22.82	22.86	21.00	23.70	23.70
15	PI/2 BPSK	1	36	22.86	22.92	20.51	23.70	23.70	21.00
15	PI/2 BPSK	18	9	22.78	22.81	22.85	23.70	23.70	23.70
15	PI/2 BPSK	1	0	20.41	22.34	22.31	21.00	23.70	23.70
15	PI/2 BPSK	1	37	22.31	22.33	20.46	23.70	23.70	21.00
15	PI/2 BPSK	36	0	20.42	22.35	20.51	21.00	23.70	21.00
15	QPSK	1	1	20.50	22.78	22.85	21.00	23.70	23.70
15	QPSK	1	36	22.73	22.81	20.45	23.70	23.70	21.00
15	QPSK	18	9	22.85	22.77	22.93	23.70	23.70	23.70
15	QPSK	1	0	20.50	22.84	22.87	21.00	23.70	23.70
15	QPSK	1	37	22.86	22.50	20.44	23.70	23.70	21.00
15	QPSK	36	0	20.47	22.88	20.47	21.00	23.70	21.00
15	16QAM	1	1	19.50	22.76	22.74	21.00	23.70	23.70
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	22.86	22.81	21.00	23.70	23.70
20	PI/2 BPSK	1	49	22.84	22.78	20.43	23.70	23.70	21.00
20	PI/2 BPSK	25	12	22.82	22.81	22.81	23.70	23.70	23.70
20	PI/2 BPSK	1	0	20.42	22.75	22.77	21.00	23.70	23.70
20	PI/2 BPSK	1	50	22.76	22.76	20.46	23.70	23.70	21.00
20	PI/2 BPSK	50	0	20.46	22.79	20.44	21.00	23.70	21.00
20	QPSK	1	1	20.56	22.78	22.74	21.00	23.70	23.70
20	QPSK	1	49	22.82	22.90	20.42	23.70	23.70	21.00
20	QPSK	25	12	22.83	22.78	22.81	23.70	23.70	23.70
20	QPSK	1	0	20.55	22.51	22.47	21.00	23.70	23.70
20	QPSK	1	50	22.89	22.52	20.48	23.70	23.70	21.00
20	QPSK	50	0	20.44	22.48	20.42	21.00	23.70	21.00
20	16QAM	1	1	19.55	22.54	22.44	21.00	23.70	23.70
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
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	22.78	22.81	13.00	23.70	23.70
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



FCC SAR TEST REPORT

Report No. : FA3D2001D

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	22.78	22.80	13.00	23.70	23.70
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	22.85	12.86	13.00	23.70	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	22.80	12.84	13.00	23.70	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



<FR1 n66_Ant 2_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				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	25.6
40	PI/2 BPSK	108	108	23.89	23.91	23.81	25.1
40	PI/2 BPSK	216	0	23.95	23.91	23.75	
40	QPSK	1	1	24.48	24.45	24.38	
40	QPSK	1	108	24.43	24.37	24.26	25.6
40	QPSK	1	214	24.35	24.32	24.24	
40	QPSK	108	0	23.45	23.48	23.36	
40	QPSK	108	54	24.37	24.41	24.29	25.6
40	QPSK	108	108	23.43	23.41	23.25	24.6
40	QPSK	216	0	23.42	23.39	23.32	
40	16QAM	1	1	23.41	23.43	23.31	
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	



<FR1 n66_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	15.1
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	14.17	14.09	14.14	
40	PI/2 BPSK	1	108	14.07	14.05	14.03	15.1
40	PI/2 BPSK	1	214	14.12	13.94	13.97	
40	PI/2 BPSK	108	0	14.08	13.98	13.95	
40	PI/2 BPSK	108	54	14.15	14.02	14.11	15.1
40	PI/2 BPSK	108	108	14.09	13.99	13.94	15.1
40	PI/2 BPSK	216	0	14.08	13.98	13.97	
40	QPSK	1	1	14.10	14.07	13.97	
40	QPSK	1	108	14.09	14.05	13.92	15.1
40	QPSK	1	214	14.06	14.02	13.91	
40	QPSK	108	0	14.07	14.01	14.08	
40	QPSK	108	54	14.15	14.01	13.98	15.1
40	QPSK	108	108	14.07	13.96	13.98	15.1
40	QPSK	216	0	14.04	13.89	13.92	
40	16QAM	1	1	14.07	14.00	13.97	
40	64QAM	1	1	14.06	14.07	14.09	15.1
40	256QAM	1	1	14.11	14.09	14.05	15.1
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	14.16	14.02	14.14	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	14.08	14.08	14.07	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	14.13	14.02	14.08	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	14.10	14.02	14.12	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	14.09	14.05	14.14	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	14.10	14.09	14.07	



<FR1 n66_Ant 0_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				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	25.6
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	24.6
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	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	24.11	24.09	24.11	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	24.05	24.18	24.14	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	24.09	24.21	24.08	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	24.07	24.23	24.10	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	24.21	24.12	24.14	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	24.09	24.23	24.12	



<FR1 n66_Ant 5_Index 2/3>

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



<FR1 n66_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	14.3
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	14.17	14.09	14.14	
40	PI/2 BPSK	1	108	14.07	14.05	14.03	14.3
40	PI/2 BPSK	1	214	14.12	13.94	13.97	
40	PI/2 BPSK	108	0	14.08	13.98	13.95	
40	PI/2 BPSK	108	54	14.15	14.02	14.11	14.3
40	PI/2 BPSK	108	108	14.09	13.99	13.94	14.3
40	PI/2 BPSK	216	0	14.08	13.98	13.97	
40	QPSK	1	1	14.10	14.07	13.97	
40	QPSK	1	108	14.09	14.05	13.92	14.3
40	QPSK	1	214	14.06	14.02	13.91	
40	QPSK	108	0	14.07	14.01	14.08	
40	QPSK	108	54	14.15	14.01	13.98	14.3
40	QPSK	108	108	14.07	13.96	13.98	14.3
40	QPSK	216	0	14.04	13.89	13.92	
40	16QAM	1	1	14.07	14.00	13.97	
40	64QAM	1	1	14.06	14.07	14.09	14.3
40	256QAM	1	1	14.11	14.09	14.05	14.3
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	14.16	14.02	14.14	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	14.08	14.08	14.07	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	14.13	14.02	14.08	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	14.10	14.02	14.12	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	14.09	14.05	14.14	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	14.10	14.09	14.07	



<FR1 n66_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	18.3
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.11	18.13	18.09	
40	PI/2 BPSK	1	108	18.01	17.88	17.97	18.3
40	PI/2 BPSK	1	214	17.97	17.89	17.83	
40	PI/2 BPSK	108	0	17.95	17.99	17.97	
40	PI/2 BPSK	108	54	18.02	18.03	18.02	18.3
40	PI/2 BPSK	108	108	18.00	18.02	17.92	18.3
40	PI/2 BPSK	216	0	17.93	17.98	17.91	
40	QPSK	1	1	17.97	18.05	17.89	
40	QPSK	1	108	17.98	17.96	17.95	18.3
40	QPSK	1	214	17.90	17.82	17.81	
40	QPSK	108	0	18.02	18.01	18.00	
40	QPSK	108	54	17.93	18.00	17.81	18.3
40	QPSK	108	108	18.01	17.89	17.88	18.3
40	QPSK	216	0	17.95	17.81	17.79	
40	16QAM	1	1	18.04	17.97	17.93	
40	64QAM	1	1	18.01	17.96	17.97	18.3
40	256QAM	1	1	18.01	18.00	17.99	18.3
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	18.02	18.05	18.05	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	17.99	18.01	18.03	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	18.05	18.08	18.00	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	18.00	18.04	18.07	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	18.03	18.03	18.08	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	18.08	18.02	18.00	



<FR1 n66_Ant 1_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	20.1
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	19.76	19.78	19.69	
40	PI/2 BPSK	1	108	19.57	19.61	19.62	20.1
40	PI/2 BPSK	1	214	19.55	19.60	19.61	
40	PI/2 BPSK	108	0	19.57	19.67	19.46	
40	PI/2 BPSK	108	54	19.68	19.74	19.59	20.1
40	PI/2 BPSK	108	108	19.56	19.65	19.50	20.1
40	PI/2 BPSK	216	0	19.70	19.63	19.58	
40	QPSK	1	1	19.68	19.72	19.68	
40	QPSK	1	108	19.71	19.66	19.61	20.1
40	QPSK	1	214	19.68	19.69	19.55	
40	QPSK	108	0	19.64	19.60	19.62	
40	QPSK	108	54	19.75	19.73	19.62	20.1
40	QPSK	108	108	19.62	19.70	19.56	20.1
40	QPSK	216	0	19.55	19.68	19.59	
40	16QAM	1	1	19.70	19.68	19.42	
40	64QAM	1	1	19.62	19.66	19.65	20.1
40	256QAM	1	1	19.59	19.69	19.64	20.1
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	19.62	19.71	19.62	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	19.69	19.68	19.64	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	19.63	19.71	19.59	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	19.70	19.74	19.61	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	19.65	19.70	19.66	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	19.65	19.74	19.66	



<FR1 n66_Ant 0_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	21.3
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	21.06	21.14	21.11	
40	PI/2 BPSK	1	108	21.04	21.11	21.09	21.3
40	PI/2 BPSK	1	214	20.98	21.00	20.89	
40	PI/2 BPSK	108	0	20.97	20.94	20.94	
40	PI/2 BPSK	108	54	20.99	21.05	21.00	21.3
40	PI/2 BPSK	108	108	20.92	20.96	20.96	21.3
40	PI/2 BPSK	216	0	20.84	20.96	20.94	
40	QPSK	1	1	21.07	21.10	20.87	
40	QPSK	1	108	20.99	20.93	20.95	21.3
40	QPSK	1	214	20.96	21.00	21.02	
40	QPSK	108	0	20.91	20.99	20.92	
40	QPSK	108	54	20.95	21.03	20.95	21.3
40	QPSK	108	108	20.90	20.97	20.99	21.3
40	QPSK	216	0	20.98	20.94	20.99	
40	16QAM	1	1	20.97	20.99	20.98	
40	64QAM	1	1	20.87	20.96	21.06	21.3
40	256QAM	1	1	19.62	19.66	19.68	21.1
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	21.04	21.05	21.03	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	21.01	21.03	21.08	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	20.98	21.06	21.08	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.02	21.09	21.09	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	21.00	21.05	21.07	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	20.98	21.09	21.02	



<FR1 n66_Ant 5_Index 4>

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



<FR1 n66_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	19.1
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.11	18.13	18.09	
40	PI/2 BPSK	1	108	18.01	17.88	17.97	19.1
40	PI/2 BPSK	1	214	17.97	17.89	17.83	
40	PI/2 BPSK	108	0	17.95	17.99	17.97	
40	PI/2 BPSK	108	54	18.02	18.03	18.02	19.1
40	PI/2 BPSK	108	108	18.00	18.02	17.92	19.1
40	PI/2 BPSK	216	0	17.93	17.98	17.91	
40	QPSK	1	1	17.97	18.05	17.89	
40	QPSK	1	108	17.98	17.96	17.95	19.1
40	QPSK	1	214	17.90	17.82	17.81	
40	QPSK	108	0	18.02	18.01	18.00	
40	QPSK	108	54	17.93	18.00	17.81	19.1
40	QPSK	108	108	18.01	17.89	17.88	19.1
40	QPSK	216	0	17.95	17.81	17.79	
40	16QAM	1	1	18.04	17.97	17.93	
40	64QAM	1	1	18.01	17.96	17.97	19.1
40	256QAM	1	1	18.01	18.00	17.99	19.1
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	18.02	18.05	18.05	19.1
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	17.99	18.01	18.03	19.1
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	18.05	18.08	18.00	19.1
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	18.00	18.04	18.07	19.1
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	18.03	18.03	18.08	19.1
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	18.08	18.02	18.00	19.1



<FR1 n66_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	20.30	20.33	20.22	
40	PI/2 BPSK	1	108	20.13	20.17	20.16	21.5
40	PI/2 BPSK	1	214	20.15	20.19	20.19	
40	PI/2 BPSK	108	0	20.12	20.24	20.05	
40	PI/2 BPSK	108	54	20.23	20.27	20.19	21.5
40	PI/2 BPSK	108	108	20.09	20.17	20.07	21.5
40	PI/2 BPSK	216	0	20.22	20.20	20.13	
40	QPSK	1	1	20.28	20.28	20.21	
40	QPSK	1	108	20.24	20.18	20.17	21.5
40	QPSK	1	214	20.20	20.24	20.10	
40	QPSK	108	0	20.14	20.18	20.15	
40	QPSK	108	54	20.26	20.23	20.21	21.5
40	QPSK	108	108	20.18	20.28	20.07	21.5
40	QPSK	216	0	20.09	20.24	20.13	
40	16QAM	1	1	20.23	20.18	20.01	
40	64QAM	1	1	20.20	20.26	20.17	21.5
40	256QAM	1	1	19.95	19.99	19.96	21.1
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	20.21	20.32	20.20	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	20.27	20.23	20.18	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	20.21	20.31	20.19	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	20.26	20.27	20.14	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	20.25	20.22	20.19	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	20.30	20.24	20.22	



<FR1 n66_Ant 0_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	22.1
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	21.06	21.14	21.11	
40	PI/2 BPSK	1	108	21.04	21.11	21.09	22.1
40	PI/2 BPSK	1	214	20.98	21.00	20.89	
40	PI/2 BPSK	108	0	20.97	20.94	20.94	
40	PI/2 BPSK	108	54	20.99	21.05	21.00	22.1
40	PI/2 BPSK	108	108	20.92	20.96	20.96	22.1
40	PI/2 BPSK	216	0	20.84	20.96	20.94	
40	QPSK	1	1	21.07	21.10	20.87	
40	QPSK	1	108	20.99	20.93	20.95	22.1
40	QPSK	1	214	20.96	21.00	21.02	
40	QPSK	108	0	20.91	20.99	20.92	
40	QPSK	108	54	20.95	21.03	20.95	22.1
40	QPSK	108	108	20.90	20.97	20.99	22.1
40	QPSK	216	0	20.98	20.94	20.99	
40	16QAM	1	1	20.97	20.99	20.98	
40	64QAM	1	1	20.87	20.96	21.06	22.1
40	256QAM	1	1	19.62	19.66	19.68	21.1
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	21.04	21.05	21.03	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	21.01	21.03	21.08	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	20.98	21.06	21.08	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.02	21.09	21.09	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	21.00	21.05	21.07	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	20.98	21.09	21.02	



<FR1 n66_Ant 5_Index 5/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				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	
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	24.17	24.13	24.28	25.6
Channel				344500	349000	353500	
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	24.13	24.11	24.34	25.6
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	24.20	24.16	24.23	25.6
Channel				343500	349000	354500	
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	24.27	24.18	24.26	25.6
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	24.15	24.22	24.21	25.6
Channel				342500	349000	355500	
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	24.12	24.31	24.23	25.6



<FR1 n66_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	18.3
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.11	18.13	18.09	
40	PI/2 BPSK	1	108	18.01	17.88	17.97	18.3
40	PI/2 BPSK	1	214	17.97	17.89	17.83	
40	PI/2 BPSK	108	0	17.95	17.99	17.97	
40	PI/2 BPSK	108	54	18.02	18.03	18.02	18.3
40	PI/2 BPSK	108	108	18.00	18.02	17.92	18.3
40	PI/2 BPSK	216	0	17.93	17.98	17.91	
40	QPSK	1	1	17.97	18.05	17.89	
40	QPSK	1	108	17.98	17.96	17.95	18.3
40	QPSK	1	214	17.90	17.82	17.81	
40	QPSK	108	0	18.02	18.01	18.00	
40	QPSK	108	54	17.93	18.00	17.81	18.3
40	QPSK	108	108	18.01	17.89	17.88	18.3
40	QPSK	216	0	17.95	17.81	17.79	
40	16QAM	1	1	18.04	17.97	17.93	
40	64QAM	1	1	18.01	17.96	17.97	18.3
40	256QAM	1	1	18.01	18.00	17.99	18.3
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	18.02	18.05	18.05	18.3
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	17.99	18.01	18.03	18.3
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	18.05	18.08	18.00	18.3
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	18.00	18.04	18.07	18.3
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	18.03	18.03	18.08	18.3
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	18.08	18.02	18.00	18.3



<FR1 n66_Ant 1_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	20.7
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	20.30	20.33	20.22	
40	PI/2 BPSK	1	108	20.13	20.17	20.16	20.7
40	PI/2 BPSK	1	214	20.15	20.19	20.19	
40	PI/2 BPSK	108	0	20.12	20.24	20.05	
40	PI/2 BPSK	108	54	20.23	20.27	20.19	20.7
40	PI/2 BPSK	108	108	20.09	20.17	20.07	20.7
40	PI/2 BPSK	216	0	20.22	20.20	20.13	
40	QPSK	1	1	20.28	20.28	20.21	
40	QPSK	1	108	20.24	20.18	20.17	20.7
40	QPSK	1	214	20.20	20.24	20.10	
40	QPSK	108	0	20.14	20.18	20.15	
40	QPSK	108	54	20.26	20.23	20.21	20.7
40	QPSK	108	108	20.18	20.28	20.07	20.7
40	QPSK	216	0	20.09	20.24	20.13	
40	16QAM	1	1	20.23	20.18	20.01	
40	64QAM	1	1	20.20	20.26	20.17	20.7
40	256QAM	1	1	19.95	19.99	19.96	20.7
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	20.21	20.32	20.20	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	20.27	20.23	20.18	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	20.21	20.31	20.19	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	20.26	20.27	20.14	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	20.25	20.22	20.19	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	20.30	20.24	20.22	



<FR1 n66_Ant 0_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	21.3
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	21.06	21.14	21.11	
40	PI/2 BPSK	1	108	21.04	21.11	21.09	21.3
40	PI/2 BPSK	1	214	20.98	21.00	20.89	
40	PI/2 BPSK	108	0	20.97	20.94	20.94	
40	PI/2 BPSK	108	54	20.99	21.05	21.00	21.3
40	PI/2 BPSK	108	108	20.92	20.96	20.96	21.3
40	PI/2 BPSK	216	0	20.84	20.96	20.94	
40	QPSK	1	1	21.07	21.10	20.87	
40	QPSK	1	108	20.99	20.93	20.95	21.3
40	QPSK	1	214	20.96	21.00	21.02	
40	QPSK	108	0	20.91	20.99	20.92	
40	QPSK	108	54	20.95	21.03	20.95	21.3
40	QPSK	108	108	20.90	20.97	20.99	21.3
40	QPSK	216	0	20.98	20.94	20.99	
40	16QAM	1	1	20.97	20.99	20.98	
40	64QAM	1	1	20.87	20.96	21.06	21.3
40	256QAM	1	1	19.62	19.66	19.68	21.1
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	21.04	21.05	21.03	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	21.01	21.03	21.08	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	20.98	21.06	21.08	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.02	21.09	21.09	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	21.00	21.05	21.07	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	20.98	21.09	21.02	

<FR1 n70_Ant 2_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		24.45		25.6
15	PI/2 BPSK	1	40		24.31		
15	PI/2 BPSK	1	77		24.35		
15	PI/2 BPSK	36	0		23.86		25.1
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		25.6
15	QPSK	1	40		24.33		
15	QPSK	1	77		24.36		
15	QPSK	36	0		23.39		24.6
15	QPSK	36	22		24.42		25.6
15	QPSK	36	43		23.38		24.6
15	QPSK	75	0		23.40		
15	16QAM	1	1		23.51		24.6
15	64QAM	1	1		21.96		23.1
15	256QAM	1	1		20.03		21.1
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	25.6
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	25.6

<FR1 n70_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		15.53		16.8
15	PI/2 BPSK	1	40		15.46		
15	PI/2 BPSK	1	77		15.37		
15	PI/2 BPSK	36	0		15.44		16.8
15	PI/2 BPSK	36	22		15.38		16.8
15	PI/2 BPSK	36	43		15.33		16.8
15	PI/2 BPSK	75	0		15.40		
15	QPSK	1	1		15.51		16.8
15	QPSK	1	40		15.35		
15	QPSK	1	77		15.41		
15	QPSK	36	0		15.39		16.8
15	QPSK	36	22		15.41		16.8
15	QPSK	36	43		15.37		16.8
15	QPSK	75	0		15.42		
15	16QAM	1	1		15.43		16.8
15	64QAM	1	1		15.40		16.8
15	256QAM	1	1		15.42		16.8
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	15.45	15.49	15.41	16.8
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	15.44	15.49	15.44	16.8

<FR1 n70_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		15.53		
15	PI/2 BPSK	1	40		15.46		16.0
15	PI/2 BPSK	1	77		15.37		
15	PI/2 BPSK	36	0		15.44		
15	PI/2 BPSK	36	22		15.38		16.0
15	PI/2 BPSK	36	43		15.33		16.0
15	PI/2 BPSK	75	0		15.40		
15	QPSK	1	1		15.51		
15	QPSK	1	40		15.35		16.0
15	QPSK	1	77		15.41		
15	QPSK	36	0		15.39		
15	QPSK	36	22		15.41		16.0
15	QPSK	36	43		15.37		16.0
15	QPSK	75	0		15.42		
15	16QAM	1	1		15.43		
15	64QAM	1	1		15.40		16.0
15	256QAM	1	1		15.42		16.0
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	15.45	15.49	15.41	
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	15.44	15.49	15.44	

<FR1 n70_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		17.88		18.0
15	PI/2 BPSK	1	40		17.78		
15	PI/2 BPSK	1	77		17.63		
15	PI/2 BPSK	36	0		17.69		18.0
15	PI/2 BPSK	36	22		17.75		18.0
15	PI/2 BPSK	36	43		17.68		18.0
15	PI/2 BPSK	75	0		17.68		
15	QPSK	1	1		17.76		
15	QPSK	1	40		17.65		18.0
15	QPSK	1	77		17.58		
15	QPSK	36	0		17.72		
15	QPSK	36	22		17.67		18.0
15	QPSK	36	43		17.58		18.0
15	QPSK	75	0		17.67		
15	16QAM	1	1		17.77		
15	64QAM	1	1		17.69		18.0
15	256QAM	1	1		17.73		18.0
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	17.81	17.76	17.79	
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	17.81	17.78	17.86	



<FR1 n70_Ant 1_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		19.86		20.4
15	PI/2 BPSK	1	40		19.73		
15	PI/2 BPSK	1	77		19.78		
15	PI/2 BPSK	36	0		19.80		20.4
15	PI/2 BPSK	36	22		19.81		20.4
15	PI/2 BPSK	36	43		19.78		20.4
15	PI/2 BPSK	75	0		19.79		
15	QPSK	1	1		19.84		20.4
15	QPSK	1	40		19.76		
15	QPSK	1	77		19.80		
15	QPSK	36	0		19.79		20.4
15	QPSK	36	22		19.81		20.4
15	QPSK	36	43		19.78		20.4
15	QPSK	75	0		19.81		
15	16QAM	1	1		19.83		20.4
15	64QAM	1	1		19.84		20.4
15	256QAM	1	1		19.63		20.4
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	19.73	19.78	19.70	20.4
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	19.69	19.79	19.68	20.4

<FR1 n70_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		17.88		18.8
15	PI/2 BPSK	1	40		17.78		
15	PI/2 BPSK	1	77		17.63		
15	PI/2 BPSK	36	0		17.69		18.8
15	PI/2 BPSK	36	22		17.75		18.8
15	PI/2 BPSK	36	43		17.68		18.8
15	PI/2 BPSK	75	0		17.68		
15	QPSK	1	1		17.76		18.8
15	QPSK	1	40		17.65		
15	QPSK	1	77		17.58		
15	QPSK	36	0		17.72		18.8
15	QPSK	36	22		17.67		18.8
15	QPSK	36	43		17.58		18.8
15	QPSK	75	0		17.67		
15	16QAM	1	1		17.77		18.8
15	64QAM	1	1		17.69		18.8
15	256QAM	1	1		17.73		18.8
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	17.81	17.76	17.79	18.8
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	17.81	17.78	17.86	18.8

**<FR1 n70_Ant 1_Index 5>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		20.86		
15	PI/2 BPSK	1	40		20.73		22.1
15	PI/2 BPSK	1	77		20.78		
15	PI/2 BPSK	36	0		20.80		
15	PI/2 BPSK	36	22		20.81		22.1
15	PI/2 BPSK	36	43		20.78		22.1
15	PI/2 BPSK	75	0		20.79		
15	QPSK	1	1		20.84		
15	QPSK	1	40		20.76		22.1
15	QPSK	1	77		20.80		
15	QPSK	36	0		20.79		
15	QPSK	36	22		20.81		22.1
15	QPSK	36	43		20.78		22.1
15	QPSK	75	0		20.81		
15	16QAM	1	1		20.83		
15	64QAM	1	1		20.84		22.1
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	20.73	20.78	20.70	
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	20.69	20.79	20.68	

<FR1 n70_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		17.88		18.0
15	PI/2 BPSK	1	40		17.78		
15	PI/2 BPSK	1	77		17.63		
15	PI/2 BPSK	36	0		17.69		18.0
15	PI/2 BPSK	36	22		17.75		18.0
15	PI/2 BPSK	36	43		17.68		18.0
15	PI/2 BPSK	75	0		17.68		
15	QPSK	1	1		17.76		
15	QPSK	1	40		17.65		18.0
15	QPSK	1	77		17.58		
15	QPSK	36	0		17.72		
15	QPSK	36	22		17.67		18.0
15	QPSK	36	43		17.58		18.0
15	QPSK	75	0		17.67		
15	16QAM	1	1		17.77		
15	64QAM	1	1		17.69		18.0
15	256QAM	1	1		17.73		18.0
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	17.81	17.76	17.79	
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	17.81	17.78	17.86	



<FR1 n70_Ant 1_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		20.86		21.3
15	PI/2 BPSK	1	40		20.73		
15	PI/2 BPSK	1	77		20.78		
15	PI/2 BPSK	36	0		20.80		21.3
15	PI/2 BPSK	36	22		20.81		21.3
15	PI/2 BPSK	36	43		20.78		21.3
15	PI/2 BPSK	75	0		20.79		
15	QPSK	1	1		20.84		21.3
15	QPSK	1	40		20.76		
15	QPSK	1	77		20.80		
15	QPSK	36	0		20.79		21.3
15	QPSK	36	22		20.81		21.3
15	QPSK	36	43		20.78		21.3
15	QPSK	75	0		20.81		
15	16QAM	1	1		20.83		21.3
15	64QAM	1	1		20.84		21.3
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	20.73	20.78	20.70	21.3
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	20.69	20.79	20.68	21.3



<FR1 n71_Ant 0_Index 2/3>

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



<FR1 n71_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	24.9
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	24.9
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	24.9
20	PI/2 BPSK	50	56	23.45	23.45	23.38	24.9
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	24.9
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	24.9
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	24.9
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.04	23.98	23.99	
Channel				133600	136100	138600	24.9
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.00	23.95	23.87	
Channel				133100	136100	139100	24.9
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.98	23.84	23.87	



<FR1 n71_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				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	24.1
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	24.1
20	PI/2 BPSK	50	56	23.45	23.45	23.38	24.1
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	24.1
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	24.1
20	QPSK	50	56	22.92	22.94	22.91	24.1
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	
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	
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	



<FR1 n71_Ant 0_Index 4>

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



<FR1 n71_Ant 1_Index 4>

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



<FR1 n71_Ant 0_Index 5>

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



<FR1 n71_Ant 1_Index 5/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				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	
20	QPSK	50	56	22.92	22.94	22.91	
20	QPSK	100	0	22.96	22.99	23.02	23.2
20	16QAM	1	1	23.02	23.02	22.96	
20	64QAM	1	1	21.45	21.48	21.43	
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



<FR1 n77_Ant 6_Index 2/3>

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



<FR1 n77_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	14.6
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	13.73	13.77	13.79	
100	PI/2 BPSK	1	137	13.63	13.68	13.68	14.6
100	PI/2 BPSK	1	271	13.67	13.60	13.76	
100	PI/2 BPSK	135	0	13.67	13.65	13.69	
100	PI/2 BPSK	135	69	13.69	13.70	13.78	14.6
100	PI/2 BPSK	135	138	13.68	13.65	13.76	14.6
100	PI/2 BPSK	270	0	13.66	13.67	13.69	
100	QPSK	1	1	13.67	13.59	13.67	
100	QPSK	1	137	13.55	13.64	13.65	14.6
100	QPSK	1	271	13.59	13.70	13.77	
100	QPSK	135	0	13.64	13.66	13.65	
100	QPSK	135	69	13.55	13.71	13.78	14.6
100	QPSK	135	138	13.69	13.75	13.76	14.6
100	QPSK	270	0	13.58	13.63	13.76	
100	16QAM	1	1	13.57	13.70	13.68	
100	64QAM	1	1	13.63	13.58	13.67	14.6
100	256QAM	1	1	13.62	13.76	13.67	14.6
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	13.78	
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	13.74	
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	13.75	
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	13.74	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	13.68	13.59	13.77	
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	13.74	
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	13.76	
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	13.74	
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	



<FR1 n77_Ant 2_Index 2/3>

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



<FR1 n77_Ant 5_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.51	22.56	22.58	
100	PI/2 BPSK	1	137	22.13	22.31	22.29	23.5
100	PI/2 BPSK	1	271	22.39	22.51	22.53	
100	PI/2 BPSK	135	0	21.98	22.08	22.06	
100	PI/2 BPSK	135	69	22.09	22.27	22.29	23.5
100	PI/2 BPSK	135	138	22.01	22.11	22.13	23.5
100	PI/2 BPSK	270	0	21.92	22.05	21.98	
100	QPSK	1	1	22.34	22.53	22.54	
100	QPSK	1	137	22.07	22.25	22.21	23.5
100	QPSK	1	271	22.40	22.54	22.52	
100	QPSK	135	0	22.18	22.32	22.33	
100	QPSK	135	69	22.22	22.32	22.32	23.5
100	QPSK	135	138	22.20	22.39	22.33	23.5
100	QPSK	270	0	22.16	22.35	22.36	
100	16QAM	1	1	22.28	22.47	22.41	
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	22.49	22.55	22.57	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.35	22.53	22.54	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.37	22.48	22.54	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.36	22.56	22.54	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.37	22.54	22.50	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.49	22.55	22.54	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	22.32	22.52	22.52	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	22.34	22.43	22.47	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.45	22.45	22.48	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.48	22.56	22.56	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.44	22.50	22.57	



<FR1 n77_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	13.8
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	13.73	13.77	13.79	
100	PI/2 BPSK	1	137	13.63	13.68	13.68	13.8
100	PI/2 BPSK	1	271	13.67	13.60	13.76	
100	PI/2 BPSK	135	0	13.67	13.65	13.69	
100	PI/2 BPSK	135	69	13.69	13.70	13.78	13.8
100	PI/2 BPSK	135	138	13.68	13.65	13.76	13.8
100	PI/2 BPSK	270	0	13.66	13.67	13.69	
100	QPSK	1	1	13.67	13.59	13.67	
100	QPSK	1	137	13.55	13.64	13.65	13.8
100	QPSK	1	271	13.59	13.70	13.77	
100	QPSK	135	0	13.64	13.66	13.65	
100	QPSK	135	69	13.55	13.71	13.78	13.8
100	QPSK	135	138	13.69	13.75	13.76	13.8
100	QPSK	270	0	13.58	13.63	13.76	
100	16QAM	1	1	13.57	13.70	13.68	
100	64QAM	1	1	13.63	13.58	13.67	13.8
100	256QAM	1	1	13.62	13.76	13.67	13.8
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	13.78	
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	13.74	
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	13.75	
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	13.74	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	13.68	13.59	13.77	
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	13.74	
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	13.76	
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	13.74	
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	



<FR1 n77_Ant 5_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	22.7
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.51	22.56	22.58	
100	PI/2 BPSK	1	137	22.13	22.31	22.29	22.7
100	PI/2 BPSK	1	271	22.39	22.51	22.53	
100	PI/2 BPSK	135	0	21.98	22.08	22.06	
100	PI/2 BPSK	135	69	22.09	22.27	22.29	22.7
100	PI/2 BPSK	135	138	22.01	22.11	22.13	22.7
100	PI/2 BPSK	270	0	21.92	22.05	21.98	
100	QPSK	1	1	22.34	22.53	22.54	
100	QPSK	1	137	22.07	22.25	22.21	22.7
100	QPSK	1	271	22.40	22.54	22.52	
100	QPSK	135	0	22.18	22.32	22.33	
100	QPSK	135	69	22.22	22.32	22.32	22.7
100	QPSK	135	138	22.20	22.39	22.33	22.7
100	QPSK	270	0	22.16	22.35	22.36	
100	16QAM	1	1	22.28	22.47	22.41	
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	22.49	22.55	22.57	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.35	22.53	22.54	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.37	22.48	22.54	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.36	22.56	22.54	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.37	22.54	22.50	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.49	22.55	22.54	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	22.32	22.52	22.52	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	22.34	22.43	22.47	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.45	22.45	22.48	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.48	22.56	22.56	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.44	22.50	22.57	



<FR1 n77_Ant 6_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	21.7
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.53	21.69	21.57	
100	PI/2 BPSK	1	137	21.32	21.49	21.29	21.7
100	PI/2 BPSK	1	271	21.34	21.59	21.45	
100	PI/2 BPSK	135	0	21.20	21.39	21.18	
100	PI/2 BPSK	135	69	21.37	21.53	21.39	21.7
100	PI/2 BPSK	135	138	21.32	21.48	21.34	21.7
100	PI/2 BPSK	270	0	21.28	21.49	21.30	
100	QPSK	1	1	21.30	21.51	21.38	
100	QPSK	1	137	21.21	21.45	21.25	21.7
100	QPSK	1	271	21.41	21.63	21.46	
100	QPSK	135	0	21.19	21.41	21.22	
100	QPSK	135	69	21.34	21.51	21.36	21.7
100	QPSK	135	138	21.30	21.48	21.35	21.7
100	QPSK	270	0	21.29	21.47	21.27	
100	16QAM	1	1	21.29	21.48	21.34	
100	64QAM	1	1	20.88	21.13	20.97	21.7
100	256QAM	1	1	19.08	19.32	19.12	20.6
Channel				649668	656000	662332	21.7
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.47	21.60	21.47	
Channel				649334	656000	662666	21.7
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.44	21.65	21.52	
Channel				649000	656000	663000	21.7
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.46	21.60	21.55	
Channel				648668	656000	663332	21.7
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.50	21.68	21.54	
Channel				648334	656000	663666	21.7
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.51	21.65	21.56	
Channel				648000	656000	664000	21.7
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.50	21.64	21.50	
Channel				647668	656000	664332	21.7
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.50	21.61	21.51	
Channel				647500	656000	664500	21.7
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	21.51	21.64	21.51	
Channel				647334	656000	664666	21.7
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.44	21.59	21.47	
Channel				647168	656000	664832	21.7
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.46	21.61	21.56	
Channel				647000	656000	665000	21.7
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.47	21.68	21.57	



<FR1 n77_Ant 1_Index 4/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	20.8
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	20.8
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	20.8
100	PI/2 BPSK	135	138	20.31	20.24	20.42	20.8
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	20.8
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	20.8
100	QPSK	135	138	20.36	20.11	20.27	20.8
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	20.8
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	



<FR1 n77_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	21.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.48	20.53	20.45	
100	PI/2 BPSK	1	137	20.22	20.26	20.23	21.0
100	PI/2 BPSK	1	271	20.46	20.50	20.45	
100	PI/2 BPSK	135	0	20.32	20.31	20.26	
100	PI/2 BPSK	135	69	20.33	20.34	20.31	21.0
100	PI/2 BPSK	135	138	20.21	20.25	20.23	21.0
100	PI/2 BPSK	270	0	20.29	20.30	20.24	
100	QPSK	1	1	20.38	20.51	20.42	
100	QPSK	1	137	20.20	20.24	20.22	21.0
100	QPSK	1	271	20.46	20.47	20.42	
100	QPSK	135	0	20.22	20.27	20.24	
100	QPSK	135	69	20.21	20.24	20.25	21.0
100	QPSK	135	138	20.32	20.29	20.32	21.0
100	QPSK	270	0	20.27	20.21	20.30	
100	16QAM	1	1	20.33	20.47	20.33	
100	64QAM	1	1	20.37	20.49	20.36	21.0
100	256QAM	1	1	20.00	20.14	20.05	20.5
Channel				649668	656000	662332	21.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.39	20.43	20.42	
Channel				649334	656000	662666	21.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.38	20.48	20.42	
Channel				649000	656000	663000	21.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.43	20.52	20.45	
Channel				648668	656000	663332	21.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.44	20.49	20.43	
Channel				648334	656000	663666	21.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.43	20.43	20.44	
Channel				648000	656000	664000	21.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.47	20.45	20.40	
Channel				647668	656000	664332	21.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.48	20.47	20.42	
Channel				647500	656000	664500	21.0
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.46	20.48	20.43	
Channel				647334	656000	664666	21.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.41	20.46	20.45	
Channel				647168	656000	664832	21.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.47	20.47	20.42	
Channel				647000	656000	665000	21.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.43	20.44	20.35	



<FR1 n77_Ant 5_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	22.3
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	22.3
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	22.3
100	PI/2 BPSK	135	138	21.64	21.73	21.73	22.3
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	22.3
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	22.3
100	QPSK	135	138	21.72	21.76	21.68	22.3
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	22.3
100	256QAM	1	1	19.57	19.53	19.54	20.5
Channel				649668	656000	662332	22.3
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.73	21.77	21.65	
Channel				649334	656000	662666	22.3
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.68	21.67	21.64	
Channel				649000	656000	663000	22.3
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.60	21.77	21.78	
Channel				648668	656000	663332	22.3
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.71	21.75	21.66	
Channel				648334	656000	663666	22.3
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.73	21.67	21.77	
Channel				648000	656000	664000	22.3
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.65	21.76	21.80	
Channel				647668	656000	664332	22.3
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.70	21.80	21.62	
Channel				647500	656000	664500	22.3
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	21.76	21.78	21.72	
Channel				647334	656000	664666	22.3
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.67	21.80	21.81	
Channel				647168	656000	664832	22.3
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.71	21.72	21.71	
Channel				647000	656000	665000	22.3
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.60	21.67	21.81	



<FR1 n77_Ant 6_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	22.5
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.53	21.69	21.57	
100	PI/2 BPSK	1	137	21.32	21.49	21.29	22.5
100	PI/2 BPSK	1	271	21.34	21.59	21.45	
100	PI/2 BPSK	135	0	21.20	21.39	21.18	
100	PI/2 BPSK	135	69	21.37	21.53	21.39	22.5
100	PI/2 BPSK	135	138	21.32	21.48	21.34	22.5
100	PI/2 BPSK	270	0	21.28	21.49	21.30	
100	QPSK	1	1	21.30	21.51	21.38	
100	QPSK	1	137	21.21	21.45	21.25	22.5
100	QPSK	1	271	21.41	21.63	21.46	
100	QPSK	135	0	21.19	21.41	21.22	
100	QPSK	135	69	21.34	21.51	21.36	22.5
100	QPSK	135	138	21.30	21.48	21.35	22.5
100	QPSK	270	0	21.29	21.47	21.27	
100	16QAM	1	1	21.29	21.48	21.34	
100	64QAM	1	1	20.88	21.13	20.97	22.5
100	256QAM	1	1	19.08	19.32	19.12	20.6
Channel				649668	656000	662332	22.5
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.47	21.60	21.47	
Channel				649334	656000	662666	22.5
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.44	21.65	21.52	
Channel				649000	656000	663000	22.5
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.46	21.60	21.55	
Channel				648668	656000	663332	22.5
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.50	21.68	21.54	
Channel				648334	656000	663666	22.5
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.51	21.65	21.56	
Channel				648000	656000	664000	22.5
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.50	21.64	21.50	
Channel				647668	656000	664332	22.5
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.50	21.61	21.51	
Channel				647500	656000	664500	22.5
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	21.51	21.64	21.51	
Channel				647334	656000	664666	22.5
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.44	21.59	21.47	
Channel				647168	656000	664832	22.5
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.46	21.61	21.56	
Channel				647000	656000	665000	22.5
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.47	21.68	21.57	



<FR1 n77_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	21.6
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	21.6
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	21.6
100	PI/2 BPSK	135	138	20.31	20.24	20.42	21.6
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	21.6
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	21.6
100	QPSK	135	138	20.36	20.11	20.27	21.6
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	21.6
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.22	20.42	20.49	
Channel				649334	656000	662666	21.6
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.36	20.15	20.45	
Channel				649000	656000	663000	21.6
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.28	20.35	20.53	
Channel				648668	656000	663332	21.6
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.36	20.27	20.60	
Channel				648334	656000	663666	21.6
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.19	20.18	20.44	
Channel				648000	656000	664000	21.6
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.27	20.35	20.46	
Channel				647668	656000	664332	21.6
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.21	20.31	20.50	
Channel				647500	656000	664500	21.6
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.28	20.27	20.56	
Channel				647334	656000	664666	21.6
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.24	20.30	20.45	
Channel				647168	656000	664832	21.6
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.38	20.24	20.61	
Channel				647000	656000	665000	21.6
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.30	20.27	20.58	



<FR1 n77_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	21.8
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.48	20.53	20.45	
100	PI/2 BPSK	1	137	20.22	20.26	20.23	21.8
100	PI/2 BPSK	1	271	20.46	20.50	20.45	
100	PI/2 BPSK	135	0	20.32	20.31	20.26	
100	PI/2 BPSK	135	69	20.33	20.34	20.31	21.8
100	PI/2 BPSK	135	138	20.21	20.25	20.23	21.8
100	PI/2 BPSK	270	0	20.29	20.30	20.24	
100	QPSK	1	1	20.38	20.51	20.42	
100	QPSK	1	137	20.20	20.24	20.22	21.8
100	QPSK	1	271	20.46	20.47	20.42	
100	QPSK	135	0	20.22	20.27	20.24	
100	QPSK	135	69	20.21	20.24	20.25	21.8
100	QPSK	135	138	20.32	20.29	20.32	21.8
100	QPSK	270	0	20.27	20.21	20.30	
100	16QAM	1	1	20.33	20.47	20.33	
100	64QAM	1	1	20.37	20.49	20.36	21.8
100	256QAM	1	1	20.00	20.14	20.05	20.5
Channel				649668	656000	662332	21.8
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.39	20.43	20.42	
Channel				649334	656000	662666	21.8
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.38	20.48	20.42	
Channel				649000	656000	663000	21.8
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.43	20.52	20.45	
Channel				648668	656000	663332	21.8
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.44	20.49	20.43	
Channel				648334	656000	663666	21.8
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.43	20.43	20.44	
Channel				648000	656000	664000	21.8
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.47	20.45	20.40	
Channel				647668	656000	664332	21.8
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.48	20.47	20.42	
Channel				647500	656000	664500	21.8
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.46	20.48	20.43	
Channel				647334	656000	664666	21.8
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.41	20.46	20.45	
Channel				647168	656000	664832	21.8
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.47	20.47	20.42	
Channel				647000	656000	665000	21.8
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.43	20.44	20.35	



<FR1 n77_Ant 5_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	23.1
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	23.1
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	23.1
100	PI/2 BPSK	135	138	21.64	21.73	21.73	23.1
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	23.1
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	23.1
100	QPSK	135	138	21.72	21.76	21.68	23.1
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	22.5
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	



<FR1 n77_Ant 6_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	21.7
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.53	21.69	21.57	
100	PI/2 BPSK	1	137	21.32	21.49	21.29	21.7
100	PI/2 BPSK	1	271	21.34	21.59	21.45	
100	PI/2 BPSK	135	0	21.20	21.39	21.18	
100	PI/2 BPSK	135	69	21.37	21.53	21.39	21.7
100	PI/2 BPSK	135	138	21.32	21.48	21.34	21.7
100	PI/2 BPSK	270	0	21.28	21.49	21.30	
100	QPSK	1	1	21.30	21.51	21.38	
100	QPSK	1	137	21.21	21.45	21.25	21.7
100	QPSK	1	271	21.41	21.63	21.46	
100	QPSK	135	0	21.19	21.41	21.22	
100	QPSK	135	69	21.34	21.51	21.36	21.7
100	QPSK	135	138	21.30	21.48	21.35	21.7
100	QPSK	270	0	21.29	21.47	21.27	
100	16QAM	1	1	21.29	21.48	21.34	
100	64QAM	1	1	20.88	21.13	20.97	21.7
100	256QAM	1	1	19.08	19.32	19.12	20.6
Channel				649668	656000	662332	21.7
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.47	21.60	21.47	
Channel				649334	656000	662666	21.7
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.44	21.65	21.52	
Channel				649000	656000	663000	21.7
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.46	21.60	21.55	
Channel				648668	656000	663332	21.7
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.50	21.68	21.54	
Channel				648334	656000	663666	21.7
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.51	21.65	21.56	
Channel				648000	656000	664000	21.7
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.50	21.64	21.50	
Channel				647668	656000	664332	21.7
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.50	21.61	21.51	
Channel				647500	656000	664500	21.7
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	21.51	21.64	21.51	
Channel				647334	656000	664666	21.7
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.44	21.59	21.47	
Channel				647168	656000	664832	21.7
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.46	21.61	21.56	
Channel				647000	656000	665000	21.7
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.47	21.68	21.57	



<FR1 n77_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	21.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.48	20.53	20.45	
100	PI/2 BPSK	1	137	20.22	20.26	20.23	21.0
100	PI/2 BPSK	1	271	20.46	20.50	20.45	
100	PI/2 BPSK	135	0	20.32	20.31	20.26	
100	PI/2 BPSK	135	69	20.33	20.34	20.31	21.0
100	PI/2 BPSK	135	138	20.21	20.25	20.23	21.0
100	PI/2 BPSK	270	0	20.29	20.30	20.24	
100	QPSK	1	1	20.38	20.51	20.42	
100	QPSK	1	137	20.20	20.24	20.22	21.0
100	QPSK	1	271	20.46	20.47	20.42	
100	QPSK	135	0	20.22	20.27	20.24	
100	QPSK	135	69	20.21	20.24	20.25	21.0
100	QPSK	135	138	20.32	20.29	20.32	21.0
100	QPSK	270	0	20.27	20.21	20.30	
100	16QAM	1	1	20.33	20.47	20.33	
100	64QAM	1	1	20.37	20.49	20.36	21.0
100	256QAM	1	1	20.00	20.14	20.05	20.5
Channel				649668	656000	662332	21.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.39	20.43	20.42	
Channel				649334	656000	662666	21.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.38	20.48	20.42	
Channel				649000	656000	663000	21.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.43	20.52	20.45	
Channel				648668	656000	663332	21.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.44	20.49	20.43	
Channel				648334	656000	663666	21.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.43	20.43	20.44	
Channel				648000	656000	664000	21.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.47	20.45	20.40	
Channel				647668	656000	664332	21.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.48	20.47	20.42	
Channel				647500	656000	664500	21.0
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.46	20.48	20.43	
Channel				647334	656000	664666	21.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.41	20.46	20.45	
Channel				647168	656000	664832	21.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.47	20.47	20.42	
Channel				647000	656000	665000	21.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.43	20.44	20.35	



<FR1 n77_Ant 5_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	22.3
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	22.3
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	22.3
100	PI/2 BPSK	135	138	21.64	21.73	21.73	22.3
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	22.3
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	22.3
100	QPSK	135	138	21.72	21.76	21.68	22.3
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	22.3
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	



<FR1 n77_HPUE_Ant 6_Index 2/3>

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



<FR1 n77_HPUE_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	17.6
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.69	16.78	16.80	
100	PI/2 BPSK	1	137	16.49	16.66	16.64	17.6
100	PI/2 BPSK	1	271	16.47	16.63	16.58	
100	PI/2 BPSK	135	0	16.37	16.56	16.48	
100	PI/2 BPSK	135	69	16.57	16.66	16.60	17.6
100	PI/2 BPSK	135	138	16.64	16.76	16.73	17.6
100	PI/2 BPSK	270	0	16.56	16.73	16.73	
100	QPSK	1	1	16.50	16.67	16.65	
100	QPSK	1	137	16.51	16.66	16.66	17.6
100	QPSK	1	271	16.53	16.63	16.60	
100	QPSK	135	0	16.42	16.56	16.56	
100	QPSK	135	69	16.53	16.68	16.68	17.6
100	QPSK	135	138	16.65	16.75	16.70	17.6
100	QPSK	270	0	16.54	16.69	16.70	
100	16QAM	1	1	16.52	16.66	16.65	
100	64QAM	1	1	16.57	16.68	16.66	17.6
100	256QAM	1	1	16.53	16.65	16.63	17.6
Channel				649668	656000	662332	17.6
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	16.62	16.77	16.78	
Channel				649334	656000	662666	17.6
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	16.62	16.68	16.78	
Channel				649000	656000	663000	17.6
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	16.66	16.74	16.77	
Channel				648668	656000	663332	17.6
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	16.61	16.71	16.76	
Channel				648334	656000	663666	17.6
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	16.67	16.68	16.73	
Channel				648000	656000	664000	17.6
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	16.59	16.68	16.78	
Channel				647668	656000	664332	17.6
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	16.52	16.61	16.78	
Channel				647500	656000	664500	17.6
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	16.61	16.75	16.74	
Channel				647334	656000	664666	17.6
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	16.62	16.74	16.70	
Channel				647168	656000	664832	17.6
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	16.68	16.78	16.77	
Channel				647000	656000	665000	17.6
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	16.69	16.78	16.71	



<FR1 n77_HPUE_Ant 2_Index 2/3>

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



<FR1 n77_HPUE_Ant 5_Index 2>

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



<FR1 n77_HPUE_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	16.8
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.69	16.78	16.80	
100	PI/2 BPSK	1	137	16.49	16.66	16.64	16.8
100	PI/2 BPSK	1	271	16.47	16.63	16.58	
100	PI/2 BPSK	135	0	16.37	16.56	16.48	
100	PI/2 BPSK	135	69	16.57	16.66	16.60	16.8
100	PI/2 BPSK	135	138	16.64	16.76	16.73	16.8
100	PI/2 BPSK	270	0	16.56	16.73	16.73	
100	QPSK	1	1	16.50	16.67	16.65	
100	QPSK	1	137	16.51	16.66	16.66	16.8
100	QPSK	1	271	16.53	16.63	16.60	
100	QPSK	135	0	16.42	16.56	16.56	
100	QPSK	135	69	16.53	16.68	16.68	16.8
100	QPSK	135	138	16.65	16.75	16.70	16.8
100	QPSK	270	0	16.54	16.69	16.70	
100	16QAM	1	1	16.52	16.66	16.65	
100	64QAM	1	1	16.57	16.68	16.66	16.8
100	256QAM	1	1	16.53	16.65	16.63	16.8
Channel				649668	656000	662332	16.8
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	16.62	16.77	16.78	
Channel				649334	656000	662666	16.8
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	16.62	16.68	16.78	
Channel				649000	656000	663000	16.8
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	16.66	16.74	16.77	
Channel				648668	656000	663332	16.8
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	16.61	16.71	16.76	
Channel				648334	656000	663666	16.8
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	16.67	16.68	16.73	
Channel				648000	656000	664000	16.8
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	16.59	16.68	16.78	
Channel				647668	656000	664332	16.8
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	16.52	16.61	16.78	
Channel				647500	656000	664500	16.8
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	16.61	16.75	16.74	
Channel				647334	656000	664666	16.8
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	16.62	16.74	16.70	
Channel				647168	656000	664832	16.8
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	16.68	16.78	16.77	
Channel				647000	656000	665000	16.8
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	16.69	16.78	16.71	



<FR1 n77_HPUE_Ant 5_Index 3>

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



<FR1 n77_HPUE_Ant 6_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	24.7
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.55	24.52	24.65	
100	PI/2 BPSK	1	137	24.20	24.25	24.36	24.7
100	PI/2 BPSK	1	271	24.43	24.35	24.51	
100	PI/2 BPSK	135	0	24.33	24.24	24.34	
100	PI/2 BPSK	135	69	24.45	24.40	24.48	24.7
100	PI/2 BPSK	135	138	24.20	24.18	24.30	24.7
100	PI/2 BPSK	270	0	24.28	24.28	24.37	
100	QPSK	1	1	24.46	24.48	24.61	
100	QPSK	1	137	24.28	24.25	24.35	24.7
100	QPSK	1	271	24.38	24.32	24.44	
100	QPSK	135	0	24.29	24.22	24.37	
100	QPSK	135	69	24.22	24.17	24.34	24.7
100	QPSK	135	138	24.18	24.16	24.34	24.7
100	QPSK	270	0	24.25	24.30	24.43	
100	16QAM	1	1	23.94	23.93	24.08	
100	64QAM	1	1	23.61	23.59	23.69	24.7
100	256QAM	1	1	21.93	21.88	21.95	23.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.53	24.47	24.56	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.46	24.47	24.62	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.54	24.47	24.61	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.53	24.45	24.55	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.51	24.44	24.61	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.53	24.48	24.56	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.54	24.47	24.59	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	24.50	24.42	24.57	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.48	24.48	24.63	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.47	24.45	24.62	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.53	24.45	24.60	



<FR1 n77_HPUE_Ant 1_Index 4/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	23.8
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	23.8
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	23.8
100	PI/2 BPSK	135	138	23.50	23.42	23.41	23.8
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	23.8
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	23.8
100	QPSK	135	138	23.62	23.63	23.50	23.8
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	23.8
100	256QAM	1	1	20.74	20.97	21.08	22.0
Channel				649668	656000	662332	23.8
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.45	23.40	23.55	
Channel				649334	656000	662666	23.8
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.48	23.60	23.60	
Channel				649000	656000	663000	23.8
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.44	23.49	23.65	
Channel				648668	656000	663332	23.8
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.42	23.49	23.63	
Channel				648334	656000	663666	23.8
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.46	23.59	23.65	
Channel				648000	656000	664000	23.8
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.44	23.54	23.56	
Channel				647668	656000	664332	23.8
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.47	23.57	23.45	
Channel				647500	656000	664500	23.8
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.45	23.55	23.61	
Channel				647334	656000	664666	23.8
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.44	23.50	23.56	
Channel				647168	656000	664832	23.8
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.43	23.48	23.63	
Channel				647000	656000	665000	23.8
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.46	23.60	23.63	



<FR1 n77_HPUE_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	24.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.33	23.42	23.35	
100	PI/2 BPSK	1	137	23.23	23.27	23.25	24.0
100	PI/2 BPSK	1	271	23.22	23.41	23.33	
100	PI/2 BPSK	135	0	23.22	23.20	23.25	
100	PI/2 BPSK	135	69	23.34	23.39	23.26	24.0
100	PI/2 BPSK	135	138	23.33	23.26	23.22	24.0
100	PI/2 BPSK	270	0	23.27	23.21	23.21	
100	QPSK	1	1	23.24	23.40	23.25	
100	QPSK	1	137	23.24	23.30	23.23	24.0
100	QPSK	1	271	23.29	23.37	23.26	
100	QPSK	135	0	23.25	23.27	23.25	
100	QPSK	135	69	23.22	23.23	23.20	24.0
100	QPSK	135	138	23.25	23.23	23.23	24.0
100	QPSK	270	0	23.25	23.30	23.29	
100	16QAM	1	1	23.23	23.40	23.25	
100	64QAM	1	1	22.72	22.89	22.77	23.7
100	256QAM	1	1	21.06	21.20	21.07	21.7
Channel				649668	656000	662332	24.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.33	23.38	23.32	
Channel				649334	656000	662666	24.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.28	23.40	23.26	
Channel				649000	656000	663000	24.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.25	23.32	23.27	
Channel				648668	656000	663332	24.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.32	23.39	23.31	
Channel				648334	656000	663666	24.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.27	23.39	23.35	
Channel				648000	656000	664000	24.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.23	23.32	23.31	
Channel				647668	656000	664332	24.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.33	23.35	23.25	
Channel				647500	656000	664500	24.0
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.27	23.39	23.32	
Channel				647334	656000	664666	24.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.31	23.36	23.33	
Channel				647168	656000	664832	24.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.32	23.40	23.26	
Channel				647000	656000	665000	24.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.25	23.39	23.30	



<FR1 n77_HPUE_Ant 5_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	25.3
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	25.3
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	24.53	25.3
100	PI/2 BPSK	135	138	24.32	24.61	24.44	25.3
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	25.3
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	25.3
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	



<FR1 n77_HPUE_Ant 6_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	25.5
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.55	24.52	24.65	
100	PI/2 BPSK	1	137	24.20	24.25	24.36	25.5
100	PI/2 BPSK	1	271	24.43	24.35	24.51	
100	PI/2 BPSK	135	0	24.33	24.24	24.34	
100	PI/2 BPSK	135	69	24.45	24.40	24.48	25.5
100	PI/2 BPSK	135	138	24.20	24.18	24.30	25.5
100	PI/2 BPSK	270	0	24.28	24.28	24.37	
100	QPSK	1	1	24.46	24.48	24.61	
100	QPSK	1	137	24.28	24.25	24.35	25.5
100	QPSK	1	271	24.38	24.32	24.44	
100	QPSK	135	0	24.29	24.22	24.37	
100	QPSK	135	69	24.22	24.17	24.34	25.5
100	QPSK	135	138	24.18	24.16	24.34	25.5
100	QPSK	270	0	24.25	24.30	24.43	
100	16QAM	1	1	23.94	23.93	24.08	
100	64QAM	1	1	23.61	23.59	23.69	25.0
100	256QAM	1	1	21.93	21.88	21.95	23.0
Channel				649668	656000	662332	25.5
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.53	24.47	24.56	
Channel				649334	656000	662666	25.5
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.46	24.47	24.62	
Channel				649000	656000	663000	25.5
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.54	24.47	24.61	
Channel				648668	656000	663332	25.5
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.53	24.45	24.55	
Channel				648334	656000	663666	25.5
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.51	24.44	24.61	
Channel				648000	656000	664000	25.5
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.53	24.48	24.56	
Channel				647668	656000	664332	25.5
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.54	24.47	24.59	
Channel				647500	656000	664500	25.5
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	24.50	24.42	24.57	
Channel				647334	656000	664666	25.5
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.48	24.48	24.63	
Channel				647168	656000	664832	25.5
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.47	24.45	24.62	
Channel				647000	656000	665000	25.5
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.53	24.45	24.60	



<FR1 n77_HPUE_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	24.6
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	24.6
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	24.6
100	PI/2 BPSK	135	138	23.50	23.42	23.41	24.6
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	24.6
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	24.6
100	QPSK	135	138	23.62	23.63	23.50	24.6
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	24.6
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.45	23.40	23.55	
Channel				649334	656000	662666	24.6
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.48	23.60	23.60	
Channel				649000	656000	663000	24.6
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.44	23.49	23.65	
Channel				648668	656000	663332	24.6
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.42	23.49	23.63	
Channel				648334	656000	663666	24.6
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.46	23.59	23.65	
Channel				648000	656000	664000	24.6
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.44	23.54	23.56	
Channel				647668	656000	664332	24.6
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.47	23.57	23.45	
Channel				647500	656000	664500	24.6
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.45	23.55	23.61	
Channel				647334	656000	664666	24.6
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.44	23.50	23.56	
Channel				647168	656000	664832	24.6
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.43	23.48	23.63	
Channel				647000	656000	665000	24.6
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.46	23.60	23.63	



<FR1 n77_HPUE_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	24.8
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.33	23.42	23.35	
100	PI/2 BPSK	1	137	23.23	23.27	23.25	24.8
100	PI/2 BPSK	1	271	23.22	23.41	23.33	
100	PI/2 BPSK	135	0	23.22	23.20	23.25	
100	PI/2 BPSK	135	69	23.34	23.39	23.26	24.8
100	PI/2 BPSK	135	138	23.33	23.26	23.22	24.8
100	PI/2 BPSK	270	0	23.27	23.21	23.21	
100	QPSK	1	1	23.24	23.40	23.25	
100	QPSK	1	137	23.24	23.30	23.23	24.8
100	QPSK	1	271	23.29	23.37	23.26	
100	QPSK	135	0	23.25	23.27	23.25	
100	QPSK	135	69	23.22	23.23	23.20	24.8
100	QPSK	135	138	23.25	23.23	23.23	24.8
100	QPSK	270	0	23.25	23.30	23.29	
100	16QAM	1	1	23.23	23.40	23.25	
100	64QAM	1	1	22.72	22.89	22.77	23.7
100	256QAM	1	1	21.06	21.20	21.07	21.7
Channel				649668	656000	662332	24.8
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.33	23.38	23.32	
Channel				649334	656000	662666	24.8
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.28	23.40	23.26	
Channel				649000	656000	663000	24.8
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.25	23.32	23.27	
Channel				648668	656000	663332	24.8
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.32	23.39	23.31	
Channel				648334	656000	663666	24.8
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.27	23.39	23.35	
Channel				648000	656000	664000	24.8
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.23	23.32	23.31	
Channel				647668	656000	664332	24.8
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.33	23.35	23.25	
Channel				647500	656000	664500	24.8
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.27	23.39	23.32	
Channel				647334	656000	664666	24.8
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.31	23.36	23.33	
Channel				647168	656000	664832	24.8
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.32	23.40	23.26	
Channel				647000	656000	665000	24.8
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.25	23.39	23.30	



<FR1 n77_HPUE_Ant 5_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	26.1
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	26.0
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	24.53	26.0
100	PI/2 BPSK	135	138	24.32	24.61	24.44	
100	PI/2 BPSK	270	0	24.41	24.42	24.41	
100	QPSK	1	1	24.64	24.74	24.48	26.1
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	26.1
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	
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	26.1
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.67	24.65	24.53	
Channel				649334	656000	662666	26.1
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.48	24.80	24.70	
Channel				649000	656000	663000	26.1
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.71	24.72	24.55	
Channel				648668	656000	663332	26.1
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.55	24.80	24.80	
Channel				648334	656000	663666	26.1
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.73	24.77	24.55	
Channel				648000	656000	664000	26.1
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.48	24.79	24.74	
Channel				647668	656000	664332	26.1
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.72	24.76	24.69	
Channel				647500	656000	664500	26.1
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	24.71	24.72	24.56	
Channel				647334	656000	664666	26.1
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.52	24.69	24.62	
Channel				647168	656000	664832	26.1
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.57	24.73	24.65	
Channel				647000	656000	665000	26.1
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.66	24.78	24.73	



<FR1 n77_HPUE_Ant 6_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	24.7
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.55	24.52	24.65	
100	PI/2 BPSK	1	137	24.20	24.25	24.36	24.7
100	PI/2 BPSK	1	271	24.43	24.35	24.51	
100	PI/2 BPSK	135	0	24.33	24.24	24.34	
100	PI/2 BPSK	135	69	24.45	24.40	24.48	24.7
100	PI/2 BPSK	135	138	24.20	24.18	24.30	24.7
100	PI/2 BPSK	270	0	24.28	24.28	24.37	
100	QPSK	1	1	24.46	24.48	24.61	
100	QPSK	1	137	24.28	24.25	24.35	24.7
100	QPSK	1	271	24.38	24.32	24.44	
100	QPSK	135	0	24.29	24.22	24.37	
100	QPSK	135	69	24.22	24.17	24.34	24.7
100	QPSK	135	138	24.18	24.16	24.34	24.7
100	QPSK	270	0	24.25	24.30	24.43	
100	16QAM	1	1	23.94	23.93	24.08	
100	64QAM	1	1	23.61	23.59	23.69	24.7
100	256QAM	1	1	21.93	21.88	21.95	23.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.53	24.47	24.56	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.46	24.47	24.62	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.54	24.47	24.61	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.53	24.45	24.55	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.51	24.44	24.61	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.53	24.48	24.56	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.54	24.47	24.59	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	24.50	24.42	24.57	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.48	24.48	24.63	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.47	24.45	24.62	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.53	24.45	24.60	



<FR1 n77_HPUE_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	24.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.33	23.42	23.35	
100	PI/2 BPSK	1	137	23.23	23.27	23.25	24.0
100	PI/2 BPSK	1	271	23.22	23.41	23.33	
100	PI/2 BPSK	135	0	23.22	23.20	23.25	
100	PI/2 BPSK	135	69	23.34	23.39	23.26	24.0
100	PI/2 BPSK	135	138	23.33	23.26	23.22	24.0
100	PI/2 BPSK	270	0	23.27	23.21	23.21	
100	QPSK	1	1	23.24	23.40	23.25	
100	QPSK	1	137	23.24	23.30	23.23	24.0
100	QPSK	1	271	23.29	23.37	23.26	
100	QPSK	135	0	23.25	23.27	23.25	
100	QPSK	135	69	23.22	23.23	23.20	24.0
100	QPSK	135	138	23.25	23.23	23.23	24.0
100	QPSK	270	0	23.25	23.30	23.29	
100	16QAM	1	1	23.23	23.40	23.25	
100	64QAM	1	1	22.72	22.89	22.77	23.7
100	256QAM	1	1	21.06	21.20	21.07	21.7
Channel				649668	656000	662332	24.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.33	23.38	23.32	
Channel				649334	656000	662666	24.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.28	23.40	23.26	
Channel				649000	656000	663000	24.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.25	23.32	23.27	
Channel				648668	656000	663332	24.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.32	23.39	23.31	
Channel				648334	656000	663666	24.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.27	23.39	23.35	
Channel				648000	656000	664000	24.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.23	23.32	23.31	
Channel				647668	656000	664332	24.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.33	23.35	23.25	
Channel				647500	656000	664500	24.0
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.27	23.39	23.32	
Channel				647334	656000	664666	24.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.31	23.36	23.33	
Channel				647168	656000	664832	24.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.32	23.40	23.26	
Channel				647000	656000	665000	24.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.25	23.39	23.30	



<FR1 n77_HPUE_Ant 5_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	25.3
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	25.3
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	24.53	25.3
100	PI/2 BPSK	135	138	24.32	24.61	24.44	25.3
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	25.3
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	25.3
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	



<FR1 n77_Ant 6_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					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		24.6
100	QPSK	1	1		24.16		
100	QPSK	1	137		23.92		
100	QPSK	1	271		24.15		25.1
100	QPSK	135	0		22.98		
100	QPSK	135	69		23.95		
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		24.1
100	256QAM	1	1		19.78		22.6
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	



<FR1 n77_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		13.78		14.6
100	PI/2 BPSK	1	137		13.64		
100	PI/2 BPSK	1	271		13.77		
100	PI/2 BPSK	135	0		13.63		14.6
100	PI/2 BPSK	135	69		13.69		14.6
100	PI/2 BPSK	135	138		13.60		14.6
100	PI/2 BPSK	270	0		13.61		
100	QPSK	1	1		13.77		14.6
100	QPSK	1	137		13.60		
100	QPSK	1	271		13.70		
100	QPSK	135	0		13.55		14.6
100	QPSK	135	69		13.57		14.6
100	QPSK	135	138		13.66		14.6
100	QPSK	270	0		13.56		
100	16QAM	1	1		13.72		14.6
100	64QAM	1	1		13.68		14.6
100	256QAM	1	1		13.69		14.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	13.68	13.77	13.61	14.6
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	13.66	13.76	13.64	14.6
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	13.70	13.68	13.62	14.6
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	13.67	13.70	13.64	14.6
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	13.63	13.77	13.64	14.6
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	13.69	13.73	13.62	14.6
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	13.67	13.69	13.61	14.6
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	13.62	13.69	13.62	14.6
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	13.72	13.69	13.60	14.6
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	13.67	13.70	13.66	14.6
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	13.72	13.75	13.59	14.6



<FR1 n77_Ant 2_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.50		
100	PI/2 BPSK	1	137		24.33		25.0
100	PI/2 BPSK	1	271		24.46		
100	PI/2 BPSK	135	0		23.77		
100	PI/2 BPSK	135	69		24.30		24.5
100	PI/2 BPSK	135	138		23.85		25.0
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	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.46	24.36	24.39	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.46	24.47	24.35	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.33	24.41	24.44	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.36	24.46	24.40	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.48	24.40	24.48	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.49	24.45	24.41	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.32	24.44	24.30	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.46	24.30	24.30	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.43	24.31	24.39	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.40	24.41	24.48	



<FR1 n77_Ant 5_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.50		
100	PI/2 BPSK	1	137		22.28		23.5
100	PI/2 BPSK	1	271		22.47		
100	PI/2 BPSK	135	0		22.32		
100	PI/2 BPSK	135	69		22.33		23.5
100	PI/2 BPSK	135	138		22.30		23.5
100	PI/2 BPSK	270	0		22.34		
100	QPSK	1	1		22.49		
100	QPSK	1	137		22.23		23.5
100	QPSK	1	271		22.44		
100	QPSK	135	0		22.32		
100	QPSK	135	69		22.26		23.5
100	QPSK	135	138		22.32		23.5
100	QPSK	270	0		22.29		
100	16QAM	1	1		22.43		
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	22.30	22.40	22.35	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.46	22.47	22.47	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.33	22.38	22.47	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.49	22.33	22.45	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.34	22.32	22.35	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.30	22.44	22.33	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.45	22.37	22.49	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.41	22.37	22.48	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.33	22.47	22.37	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.37	22.47	22.48	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.35	22.33	22.48	



<FR1 n77_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		13.78		
100	PI/2 BPSK	1	137		13.64		13.8
100	PI/2 BPSK	1	271		13.77		
100	PI/2 BPSK	135	0		13.63		
100	PI/2 BPSK	135	69		13.69		13.8
100	PI/2 BPSK	135	138		13.60		13.8
100	PI/2 BPSK	270	0		13.61		
100	QPSK	1	1		13.77		
100	QPSK	1	137		13.60		13.8
100	QPSK	1	271		13.70		
100	QPSK	135	0		13.55		
100	QPSK	135	69		13.57		13.8
100	QPSK	135	138		13.66		13.8
100	QPSK	270	0		13.56		
100	16QAM	1	1		13.72		
100	64QAM	1	1		13.68		13.8
100	256QAM	1	1		13.69		13.8
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	13.68	13.77	13.61	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	13.66	13.76	13.64	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	13.70	13.68	13.62	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	13.67	13.70	13.64	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	13.63	13.77	13.64	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	13.69	13.73	13.62	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	13.67	13.69	13.61	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	13.62	13.69	13.62	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	13.72	13.69	13.60	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	13.67	13.70	13.66	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	13.72	13.75	13.59	



<FR1 n77_Ant 5_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.50		22.7
100	PI/2 BPSK	1	137		22.28		
100	PI/2 BPSK	1	271		22.47		
100	PI/2 BPSK	135	0		22.32		22.7
100	PI/2 BPSK	135	69		22.33		22.7
100	PI/2 BPSK	135	138		22.30		22.7
100	PI/2 BPSK	270	0		22.34		
100	QPSK	1	1		22.49		22.7
100	QPSK	1	137		22.23		
100	QPSK	1	271		22.44		
100	QPSK	135	0		22.32		22.7
100	QPSK	135	69		22.26		22.7
100	QPSK	135	138		22.32		22.7
100	QPSK	270	0		22.29		
100	16QAM	1	1		22.43		22.7
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	22.30	22.40	22.35	22.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.46	22.47	22.47	22.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.33	22.38	22.47	22.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.49	22.33	22.45	22.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.34	22.32	22.35	22.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.30	22.44	22.33	22.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.45	22.37	22.49	22.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.41	22.37	22.48	22.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.33	22.47	22.37	22.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.37	22.47	22.48	22.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.35	22.33	22.48	22.7



<FR1 n77_Ant 6_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.61		21.7
100	PI/2 BPSK	1	137		21.40		
100	PI/2 BPSK	1	271		21.51		
100	PI/2 BPSK	135	0		21.26		21.7
100	PI/2 BPSK	135	69		21.43		21.7
100	PI/2 BPSK	135	138		21.34		21.7
100	PI/2 BPSK	270	0		21.34		
100	QPSK	1	1		21.42		21.7
100	QPSK	1	137		21.28		
100	QPSK	1	271		21.50		
100	QPSK	135	0		21.23		21.7
100	QPSK	135	69		21.39		21.7
100	QPSK	135	138		21.35		21.7
100	QPSK	270	0		21.37		
100	16QAM	1	1		21.40		21.7
100	64QAM	1	1		21.05		21.7
100	256QAM	1	1		19.21		20.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.54	21.54	21.53	21.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.49	21.55	21.50	21.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.54	21.55	21.54	21.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.54	21.53	21.49	21.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.52	21.58	21.49	21.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.55	21.51	21.47	21.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.52	21.55	21.55	21.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.52	21.54	21.47	21.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.57	21.52	21.52	21.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.51	21.52	21.47	21.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.49	21.60	21.49	21.7



<FR1 n77_Ant 1_Index 4/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		20.8
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.48		
100	PI/2 BPSK	1	137		20.45		20.8
100	PI/2 BPSK	1	271		20.46		
100	PI/2 BPSK	135	0		20.35		
100	PI/2 BPSK	135	69		20.43		20.8
100	PI/2 BPSK	135	138		20.40		20.8
100	PI/2 BPSK	270	0		20.43		
100	QPSK	1	1		20.37		
100	QPSK	1	137		20.41		20.8
100	QPSK	1	271		20.38		
100	QPSK	135	0		20.43		
100	QPSK	135	69		20.44		20.8
100	QPSK	135	138		20.46		20.8
100	QPSK	270	0		20.42		
100	16QAM	1	1		20.41		
100	64QAM	1	1		20.20		20.8
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	



<FR1 n77_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.45		
100	PI/2 BPSK	1	137		20.23		21.0
100	PI/2 BPSK	1	271		20.43		
100	PI/2 BPSK	135	0		20.21		
100	PI/2 BPSK	135	69		20.33		21.0
100	PI/2 BPSK	135	138		20.22		21.0
100	PI/2 BPSK	270	0		20.28		
100	QPSK	1	1		20.41		
100	QPSK	1	137		20.23		21.0
100	QPSK	1	271		20.43		
100	QPSK	135	0		20.24		
100	QPSK	135	69		20.20		21.0
100	QPSK	135	138		20.23		21.0
100	QPSK	270	0		20.23		
100	16QAM	1	1		20.35		
100	64QAM	1	1		20.34		21.0
100	256QAM	1	1		20.03		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.35	20.38	20.43	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.39	20.40	20.39	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.39	20.37	20.37	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.36	20.38	20.44	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.37	20.35	20.38	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.41	20.42	20.38	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.36	20.40	20.43	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.41	20.37	20.42	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.43	20.36	20.40	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.35	20.35	20.43	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.44	20.40	20.42	



<FR1 n77_Ant 5_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.84		22.3
100	PI/2 BPSK	1	137		21.80		
100	PI/2 BPSK	1	271		21.83		
100	PI/2 BPSK	135	0		21.66		22.3
100	PI/2 BPSK	135	69		21.80		22.3
100	PI/2 BPSK	135	138		21.75		22.3
100	PI/2 BPSK	270	0		21.65		
100	QPSK	1	1		21.76		22.3
100	QPSK	1	137		21.68		
100	QPSK	1	271		21.82		
100	QPSK	135	0		21.71		22.3
100	QPSK	135	69		21.83		22.3
100	QPSK	135	138		21.66		22.3
100	QPSK	270	0		21.67		
100	16QAM	1	1		21.78		22.3
100	64QAM	1	1		21.39		22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3



<FR1 n77_Ant 6_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.61		
100	PI/2 BPSK	1	137		21.40		22.5
100	PI/2 BPSK	1	271		21.51		
100	PI/2 BPSK	135	0		21.26		
100	PI/2 BPSK	135	69		21.43		22.5
100	PI/2 BPSK	135	138		21.34		22.5
100	PI/2 BPSK	270	0		21.34		
100	QPSK	1	1		21.42		
100	QPSK	1	137		21.28		22.5
100	QPSK	1	271		21.50		
100	QPSK	135	0		21.23		
100	QPSK	135	69		21.39		22.5
100	QPSK	135	138		21.35		22.5
100	QPSK	270	0		21.37		
100	16QAM	1	1		21.40		
100	64QAM	1	1		21.05		22.5
100	256QAM	1	1		19.21		20.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.54	21.54	21.53	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.49	21.55	21.50	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.54	21.55	21.54	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.54	21.53	21.49	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.52	21.58	21.49	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.55	21.51	21.47	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.52	21.55	21.55	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.52	21.54	21.47	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.57	21.52	21.52	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.51	21.52	21.47	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.49	21.60	21.49	



<FR1 n77_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.48		
100	PI/2 BPSK	1	137		20.45		21.6
100	PI/2 BPSK	1	271		20.46		
100	PI/2 BPSK	135	0		20.35		
100	PI/2 BPSK	135	69		20.43		21.6
100	PI/2 BPSK	135	138		20.40		21.6
100	PI/2 BPSK	270	0		20.43		
100	QPSK	1	1		20.37		
100	QPSK	1	137		20.41		21.6
100	QPSK	1	271		20.38		
100	QPSK	135	0		20.43		
100	QPSK	135	69		20.44		21.6
100	QPSK	135	138		20.46		21.6
100	QPSK	270	0		20.42		
100	16QAM	1	1		20.41		
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	



<FR1 n77_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.45		21.8
100	PI/2 BPSK	1	137		20.23		
100	PI/2 BPSK	1	271		20.43		
100	PI/2 BPSK	135	0		20.21		21.8
100	PI/2 BPSK	135	69		20.33		21.8
100	PI/2 BPSK	135	138		20.22		21.8
100	PI/2 BPSK	270	0		20.28		
100	QPSK	1	1		20.41		21.8
100	QPSK	1	137		20.23		
100	QPSK	1	271		20.43		
100	QPSK	135	0		20.24		21.8
100	QPSK	135	69		20.20		21.8
100	QPSK	135	138		20.23		21.8
100	QPSK	270	0		20.23		
100	16QAM	1	1		20.35		21.8
100	64QAM	1	1		20.34		21.8
100	256QAM	1	1		20.03		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.35	20.38	20.43	21.8
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.39	20.40	20.39	21.8
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.39	20.37	20.37	21.8
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.36	20.38	20.44	21.8
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.37	20.35	20.38	21.8
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.41	20.42	20.38	21.8
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.36	20.40	20.43	21.8
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.41	20.37	20.42	21.8
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.43	20.36	20.40	21.8
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.35	20.35	20.43	21.8
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.44	20.40	20.42	21.8



<FR1 n77_Ant 5_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.84		23.1
100	PI/2 BPSK	1	137		21.80		
100	PI/2 BPSK	1	271		21.83		
100	PI/2 BPSK	135	0		21.66		23.1
100	PI/2 BPSK	135	69		21.80		23.1
100	PI/2 BPSK	135	138		21.75		23.1
100	PI/2 BPSK	270	0		21.65		
100	QPSK	1	1		21.76		23.1
100	QPSK	1	137		21.68		
100	QPSK	1	271		21.82		
100	QPSK	135	0		21.71		23.1
100	QPSK	135	69		21.83		23.1
100	QPSK	135	138		21.66		23.1
100	QPSK	270	0		21.67		
100	16QAM	1	1		21.78		23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1



<FR1 n77_Ant 6_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.61		
100	PI/2 BPSK	1	137		21.40		21.7
100	PI/2 BPSK	1	271		21.51		
100	PI/2 BPSK	135	0		21.26		
100	PI/2 BPSK	135	69		21.43		21.7
100	PI/2 BPSK	135	138		21.34		21.7
100	PI/2 BPSK	270	0		21.34		
100	QPSK	1	1		21.42		
100	QPSK	1	137		21.28		21.7
100	QPSK	1	271		21.50		
100	QPSK	135	0		21.23		
100	QPSK	135	69		21.39		21.7
100	QPSK	135	138		21.35		21.7
100	QPSK	270	0		21.37		
100	16QAM	1	1		21.40		
100	64QAM	1	1		21.05		21.7
100	256QAM	1	1		19.21		20.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.54	21.54	21.53	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.49	21.55	21.50	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.54	21.55	21.54	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.54	21.53	21.49	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.52	21.58	21.49	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.55	21.51	21.47	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.52	21.55	21.55	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.52	21.54	21.47	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.57	21.52	21.52	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.51	21.52	21.47	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.49	21.60	21.49	



<FR1 n77_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.45		
100	PI/2 BPSK	1	137		20.23		21.0
100	PI/2 BPSK	1	271		20.43		
100	PI/2 BPSK	135	0		20.21		
100	PI/2 BPSK	135	69		20.33		21.0
100	PI/2 BPSK	135	138		20.22		21.0
100	PI/2 BPSK	270	0		20.28		
100	QPSK	1	1		20.41		
100	QPSK	1	137		20.23		21.0
100	QPSK	1	271		20.43		
100	QPSK	135	0		20.24		
100	QPSK	135	69		20.20		21.0
100	QPSK	135	138		20.23		21.0
100	QPSK	270	0		20.23		
100	16QAM	1	1		20.35		
100	64QAM	1	1		20.34		21.0
100	256QAM	1	1		20.03		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.35	20.38	20.43	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.39	20.40	20.39	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.39	20.37	20.37	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.36	20.38	20.44	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.37	20.35	20.38	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.41	20.42	20.38	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.36	20.40	20.43	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.41	20.37	20.42	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.43	20.36	20.40	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.35	20.35	20.43	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.44	20.40	20.42	



<FR1 n77_Ant 5_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.84		22.3
100	PI/2 BPSK	1	137		21.80		
100	PI/2 BPSK	1	271		21.83		
100	PI/2 BPSK	135	0		21.66		22.3
100	PI/2 BPSK	135	69		21.80		22.3
100	PI/2 BPSK	135	138		21.75		22.3
100	PI/2 BPSK	270	0		21.65		
100	QPSK	1	1		21.76		22.3
100	QPSK	1	137		21.68		
100	QPSK	1	271		21.82		
100	QPSK	135	0		21.71		22.3
100	QPSK	135	69		21.83		22.3
100	QPSK	135	138		21.66		22.3
100	QPSK	270	0		21.67		
100	16QAM	1	1		21.78		22.3
100	64QAM	1	1		21.39		22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3



<FR1 n77_HPUE_Ant 6_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.48		
100	PI/2 BPSK	1	137		26.32		27.5
100	PI/2 BPSK	1	271		26.41		
100	PI/2 BPSK	135	0		25.95		
100	PI/2 BPSK	135	69		26.33		27.0
100	PI/2 BPSK	135	138		25.93		27.5
100	PI/2 BPSK	270	0		25.86		
100	QPSK	1	1		26.42		
100	QPSK	1	137		26.30		27.5
100	QPSK	1	271		26.42		
100	QPSK	135	0		25.31		
100	QPSK	135	69		26.31		26.5
100	QPSK	135	138		25.54		27.5
100	QPSK	270	0		25.37		
100	16QAM	1	1		25.42		
100	64QAM	1	1		23.89		26.5
100	256QAM	1	1		22.25		25.0
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	



<FR1 n77_HPUE_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		17.6
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.79		
100	PI/2 BPSK	1	137		16.64		17.6
100	PI/2 BPSK	1	271		16.69		
100	PI/2 BPSK	135	0		16.67		
100	PI/2 BPSK	135	69		16.64		17.6
100	PI/2 BPSK	135	138		16.71		17.6
100	PI/2 BPSK	270	0		16.68		
100	QPSK	1	1		16.69		
100	QPSK	1	137		16.58		17.6
100	QPSK	1	271		16.75		
100	QPSK	135	0		16.68		
100	QPSK	135	69		16.63		17.6
100	QPSK	135	138		16.72		17.6
100	QPSK	270	0		16.68		
100	16QAM	1	1		16.78		
100	64QAM	1	1		16.70		17.6
100	256QAM	1	1		16.73		17.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	16.67	16.70	16.61	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.66	16.75	16.61	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.68	16.70	16.55	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.67	16.77	16.62	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.64	16.70	16.53	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.70	16.75	16.58	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.64	16.72	16.53	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	16.69	16.78	16.59	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.62	16.78	16.63	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	16.62	16.70	16.54	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.68	16.76	16.62	



<FR1 n77_HPUE_Ant 2_Index 2/3>

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



<FR1 n77_HPUE_Ant 5_Index 2>

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



<FR1 n77_HPUE_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		16.8
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.79		
100	PI/2 BPSK	1	137		16.64		16.8
100	PI/2 BPSK	1	271		16.69		
100	PI/2 BPSK	135	0		16.67		
100	PI/2 BPSK	135	69		16.64		16.8
100	PI/2 BPSK	135	138		16.71		16.8
100	PI/2 BPSK	270	0		16.68		
100	QPSK	1	1		16.69		
100	QPSK	1	137		16.58		16.8
100	QPSK	1	271		16.75		
100	QPSK	135	0		16.68		
100	QPSK	135	69		16.63		16.8
100	QPSK	135	138		16.72		16.8
100	QPSK	270	0		16.68		
100	16QAM	1	1		16.78		
100	64QAM	1	1		16.70		16.8
100	256QAM	1	1		16.73		16.8
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	16.67	16.70	16.61	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.66	16.75	16.61	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.68	16.70	16.55	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.67	16.77	16.62	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.64	16.70	16.53	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.70	16.75	16.58	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.64	16.72	16.53	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	16.69	16.78	16.59	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.62	16.78	16.63	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	16.62	16.70	16.54	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.68	16.76	16.62	



<FR1 n77_HPUE_Ant 5_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.25		25.7
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		25.7
100	PI/2 BPSK	135	138		24.31		25.7
100	PI/2 BPSK	270	0		24.35		
100	QPSK	1	1		25.24		25.7
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		25.7
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	25.7
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	25.7
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	25.7
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	25.7
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	25.7
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	25.7
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	25.7
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	25.7
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	25.7
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	25.7
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	25.7



<FR1 n77_HPUE_Ant 6_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.66		24.7
100	PI/2 BPSK	1	137		24.38		
100	PI/2 BPSK	1	271		24.46		
100	PI/2 BPSK	135	0		24.35		24.7
100	PI/2 BPSK	135	69		24.45		24.7
100	PI/2 BPSK	135	138		24.33		24.7
100	PI/2 BPSK	270	0		24.38		
100	QPSK	1	1		24.57		24.7
100	QPSK	1	137		24.37		
100	QPSK	1	271		24.54		
100	QPSK	135	0		24.40		24.7
100	QPSK	135	69		24.34		24.7
100	QPSK	135	138		24.31		24.7
100	QPSK	270	0		24.41		
100	16QAM	1	1		24.08		24.7
100	64QAM	1	1		23.56		24.7
100	256QAM	1	1		21.91		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.60	24.65	24.61	24.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.64	24.59	24.56	24.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.62	24.57	24.57	24.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.63	24.59	24.57	24.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.60	24.62	24.60	24.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.60	24.64	24.57	24.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.64	24.64	24.56	24.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.56	24.60	24.57	24.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.55	24.56	24.58	24.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.59	24.63	24.52	24.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.62	24.60	24.56	24.7



<FR1 n77_HPUE_Ant 1_Index 4/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.48		
100	PI/2 BPSK	1	137		23.19		23.8
100	PI/2 BPSK	1	271		23.31		
100	PI/2 BPSK	135	0		23.23		
100	PI/2 BPSK	135	69		23.39		23.8
100	PI/2 BPSK	135	138		23.22		23.8
100	PI/2 BPSK	270	0		23.29		
100	QPSK	1	1		23.21		
100	QPSK	1	137		23.17		23.8
100	QPSK	1	271		23.31		
100	QPSK	135	0		23.23		
100	QPSK	135	69		23.24		23.8
100	QPSK	135	138		23.28		23.8
100	QPSK	270	0		23.28		
100	16QAM	1	1		23.37		
100	64QAM	1	1		22.92		23.8
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	



<FR1 n77_HPUE_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.40		
100	PI/2 BPSK	1	137		23.21		24.0
100	PI/2 BPSK	1	271		23.35		
100	PI/2 BPSK	135	0		23.22		
100	PI/2 BPSK	135	69		23.32		24.0
100	PI/2 BPSK	135	138		23.21		24.0
100	PI/2 BPSK	270	0		23.24		
100	QPSK	1	1		23.24		
100	QPSK	1	137		23.24		24.0
100	QPSK	1	271		23.30		
100	QPSK	135	0		23.27		
100	QPSK	135	69		23.27		24.0
100	QPSK	135	138		23.20		24.0
100	QPSK	270	0		23.28		
100	16QAM	1	1		23.23		
100	64QAM	1	1		22.73		23.7
100	256QAM	1	1		21.03		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.30	23.33	23.20	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.30	23.27	23.24	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.36	23.34	23.24	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.36	23.35	23.20	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.32	23.28	23.23	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.30	23.26	23.26	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.33	23.36	23.24	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.36	23.34	23.24	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.36	23.36	23.23	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.37	23.31	23.20	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.33	23.26	23.21	



<FR1 n77_HPUE_Ant 5_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.96		
100	PI/2 BPSK	1	137		24.79		25.3
100	PI/2 BPSK	1	271		24.91		
100	PI/2 BPSK	135	0		24.36		
100	PI/2 BPSK	135	69		24.68		25.3
100	PI/2 BPSK	135	138		24.31		25.3
100	PI/2 BPSK	270	0		24.52		
100	QPSK	1	1		24.91		
100	QPSK	1	137		24.60		25.3
100	QPSK	1	271		24.81		
100	QPSK	135	0		23.72		
100	QPSK	135	69		24.65		25.3
100	QPSK	135	138		23.83		25.2
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	



<FR1 n77_HPUE_Ant 6_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.66		
100	PI/2 BPSK	1	137		24.38		25.5
100	PI/2 BPSK	1	271		24.46		
100	PI/2 BPSK	135	0		24.35		
100	PI/2 BPSK	135	69		24.45		25.5
100	PI/2 BPSK	135	138		24.33		25.5
100	PI/2 BPSK	270	0		24.38		
100	QPSK	1	1		24.57		
100	QPSK	1	137		24.37		25.5
100	QPSK	1	271		24.54		
100	QPSK	135	0		24.40		
100	QPSK	135	69		24.34		25.5
100	QPSK	135	138		24.31		25.5
100	QPSK	270	0		24.41		
100	16QAM	1	1		24.08		
100	64QAM	1	1		23.56		25.0
100	256QAM	1	1		21.91		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.60	24.65	24.61	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.64	24.59	24.56	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.62	24.57	24.57	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.63	24.59	24.57	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.60	24.62	24.60	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.60	24.64	24.57	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.64	24.64	24.56	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.56	24.60	24.57	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.55	24.56	24.58	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.59	24.63	24.52	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.62	24.60	24.56	



<FR1 n77_HPUE_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.48		24.6
100	PI/2 BPSK	1	137		23.19		
100	PI/2 BPSK	1	271		23.31		
100	PI/2 BPSK	135	0		23.23		24.6
100	PI/2 BPSK	135	69		23.39		24.6
100	PI/2 BPSK	135	138		23.22		24.6
100	PI/2 BPSK	270	0		23.29		
100	QPSK	1	1		23.21		24.6
100	QPSK	1	137		23.17		
100	QPSK	1	271		23.31		
100	QPSK	135	0		23.23		24.6
100	QPSK	135	69		23.24		24.6
100	QPSK	135	138		23.28		24.6
100	QPSK	270	0		23.28		
100	16QAM	1	1		23.37		24.6
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	24.6
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	24.6
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	24.6
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	24.6
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	24.6
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	24.6
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	24.6
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	24.6
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	24.6
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	24.6
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	24.6



<FR1 n77_HPUE_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.40		
100	PI/2 BPSK	1	137		23.21		24.8
100	PI/2 BPSK	1	271		23.35		
100	PI/2 BPSK	135	0		23.22		
100	PI/2 BPSK	135	69		23.32		24.8
100	PI/2 BPSK	135	138		23.21		24.8
100	PI/2 BPSK	270	0		23.24		
100	QPSK	1	1		23.24		
100	QPSK	1	137		23.24		24.8
100	QPSK	1	271		23.30		
100	QPSK	135	0		23.27		
100	QPSK	135	69		23.27		24.8
100	QPSK	135	138		23.20		24.8
100	QPSK	270	0		23.28		
100	16QAM	1	1		23.23		
100	64QAM	1	1		22.73		23.7
100	256QAM	1	1		21.03		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.30	23.33	23.20	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.30	23.27	23.24	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.36	23.34	23.24	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.36	23.35	23.20	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.32	23.28	23.23	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.30	23.26	23.26	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.33	23.36	23.24	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.36	23.34	23.24	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.36	23.36	23.23	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.37	23.31	23.20	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.33	23.26	23.21	



<FR1 n77_HPUE_Ant 5_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.96		
100	PI/2 BPSK	1	137		24.79		26.1
100	PI/2 BPSK	1	271		24.91		
100	PI/2 BPSK	135	0		24.36		26.0
100	PI/2 BPSK	135	69		24.68		26.1
100	PI/2 BPSK	135	138		24.31		26.0
100	PI/2 BPSK	270	0		24.52		
100	QPSK	1	1		24.91		26.1
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		26.1
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	26.1
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	26.1
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	26.1
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	26.1
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	26.1
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	26.1
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	26.1
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	26.1
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	26.1
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	26.1
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	26.1



<FR1 n77_HPUE_Ant 6_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.66		24.7
100	PI/2 BPSK	1	137		24.38		
100	PI/2 BPSK	1	271		24.46		
100	PI/2 BPSK	135	0		24.35		24.7
100	PI/2 BPSK	135	69		24.45		24.7
100	PI/2 BPSK	135	138		24.33		24.7
100	PI/2 BPSK	270	0		24.38		
100	QPSK	1	1		24.57		24.7
100	QPSK	1	137		24.37		
100	QPSK	1	271		24.54		
100	QPSK	135	0		24.40		24.7
100	QPSK	135	69		24.34		24.7
100	QPSK	135	138		24.31		24.7
100	QPSK	270	0		24.41		
100	16QAM	1	1		24.08		24.7
100	64QAM	1	1		23.56		24.7
100	256QAM	1	1		21.91		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.60	24.65	24.61	24.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.64	24.59	24.56	24.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.62	24.57	24.57	24.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.63	24.59	24.57	24.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.60	24.62	24.60	24.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.60	24.64	24.57	24.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.64	24.64	24.56	24.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.56	24.60	24.57	24.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.55	24.56	24.58	24.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.59	24.63	24.52	24.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.62	24.60	24.56	24.7



<FR1 n77_HPUE_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.40		
100	PI/2 BPSK	1	137		23.21		24.0
100	PI/2 BPSK	1	271		23.35		
100	PI/2 BPSK	135	0		23.22		
100	PI/2 BPSK	135	69		23.32		24.0
100	PI/2 BPSK	135	138		23.21		24.0
100	PI/2 BPSK	270	0		23.24		
100	QPSK	1	1		23.24		
100	QPSK	1	137		23.24		24.0
100	QPSK	1	271		23.30		
100	QPSK	135	0		23.27		
100	QPSK	135	69		23.27		24.0
100	QPSK	135	138		23.20		24.0
100	QPSK	270	0		23.28		
100	16QAM	1	1		23.23		
100	64QAM	1	1		22.73		23.7
100	256QAM	1	1		21.03		21.7
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.30	23.33	23.20	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.30	23.27	23.24	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.36	23.34	23.24	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.36	23.35	23.20	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.32	23.28	23.23	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.30	23.26	23.26	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.33	23.36	23.24	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.36	23.34	23.24	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.36	23.36	23.23	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.37	23.31	23.20	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.33	23.26	23.21	



<FR1 n77_HPUE_Ant 5_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.96		
100	PI/2 BPSK	1	137		24.79		25.3
100	PI/2 BPSK	1	271		24.91		
100	PI/2 BPSK	135	0		24.36		
100	PI/2 BPSK	135	69		24.68		25.3
100	PI/2 BPSK	135	138		24.31		25.3
100	PI/2 BPSK	270	0		24.52		
100	QPSK	1	1		24.91		
100	QPSK	1	137		24.60		25.3
100	QPSK	1	271		24.81		
100	QPSK	135	0		23.72		
100	QPSK	135	69		24.65		25.3
100	QPSK	135	138		23.83		25.2
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	



<FR1 n78_Ant 6_Index 2/3>

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



<FR1 n78_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		13.53		14.6
100	PI/2 BPSK	1	137		13.46		
100	PI/2 BPSK	1	271		13.52		
100	PI/2 BPSK	135	0		13.43		14.6
100	PI/2 BPSK	135	69		13.49		14.6
100	PI/2 BPSK	135	138		13.47		14.6
100	PI/2 BPSK	270	0		13.52		
100	QPSK	1	1		13.35		14.6
100	QPSK	1	137		13.44		
100	QPSK	1	271		13.50		
100	QPSK	135	0		13.43		14.6
100	QPSK	135	69		13.38		14.6
100	QPSK	135	138		13.49		14.6
100	QPSK	270	0		13.46		
100	16QAM	1	1		13.47		14.6
100	64QAM	1	1		13.39		14.6
100	256QAM	1	1		13.40		14.6
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	14.6
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	14.6
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	14.6
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	14.6
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	14.6
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	14.6
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	14.6
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	14.6
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	14.6
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	14.6
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	14.6



<FR1 n78_Ant 2_Index 2/3>

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



<FR1 n78_Ant 5_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		22.34		23.5
100	PI/2 BPSK	1	137		22.16		
100	PI/2 BPSK	1	271		22.32		
100	PI/2 BPSK	135	0		21.55		23.5
100	PI/2 BPSK	135	69		22.12		23.5
100	PI/2 BPSK	135	138		21.64		23.5
100	PI/2 BPSK	270	0		21.54		
100	QPSK	1	1		22.17		23.5
100	QPSK	1	137		22.02		
100	QPSK	1	271		22.28		
100	QPSK	135	0		21.99		23.5
100	QPSK	135	69		22.06		23.5
100	QPSK	135	138		22.15		23.5
100	QPSK	270	0		22.06		
100	16QAM	1	1		22.17		23.5
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	22.17	22.29	22.27	23.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	22.30	22.30	22.25	23.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	22.30	22.21	22.15	23.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	22.31	22.21	22.20	23.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	22.28	22.30	22.19	23.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	22.16	22.31	22.17	23.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	22.18	22.18	22.30	23.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	22.17	22.32	22.26	23.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	22.17	22.30	22.21	23.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	22.23	22.24	22.31	23.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	22.28	22.30	22.29	23.5



<FR1 n78_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		13.53		
100	PI/2 BPSK	1	137		13.46		13.8
100	PI/2 BPSK	1	271		13.52		
100	PI/2 BPSK	135	0		13.43		
100	PI/2 BPSK	135	69		13.49		13.8
100	PI/2 BPSK	135	138		13.47		13.8
100	PI/2 BPSK	270	0		13.52		
100	QPSK	1	1		13.35		
100	QPSK	1	137		13.44		13.8
100	QPSK	1	271		13.50		
100	QPSK	135	0		13.43		
100	QPSK	135	69		13.38		13.8
100	QPSK	135	138		13.49		13.8
100	QPSK	270	0		13.46		
100	16QAM	1	1		13.47		
100	64QAM	1	1		13.39		13.8
100	256QAM	1	1		13.40		13.8
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	13.8
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	13.8
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	13.8
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	13.8
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	13.8
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	13.8
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	13.8
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	13.8
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	13.8
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	13.8
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	13.8



<FR1 n78_Ant 5_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		22.34		22.7
100	PI/2 BPSK	1	137		22.16		
100	PI/2 BPSK	1	271		22.32		
100	PI/2 BPSK	135	0		21.55		22.7
100	PI/2 BPSK	135	69		22.12		22.7
100	PI/2 BPSK	135	138		21.64		22.7
100	PI/2 BPSK	270	0		21.54		
100	QPSK	1	1		22.17		22.7
100	QPSK	1	137		22.02		
100	QPSK	1	271		22.28		
100	QPSK	135	0		21.99		22.7
100	QPSK	135	69		22.06		22.7
100	QPSK	135	138		22.15		22.7
100	QPSK	270	0		22.06		
100	16QAM	1	1		22.17		22.7
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	22.17	22.29	22.27	22.7
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	22.30	22.30	22.25	22.7
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	22.30	22.21	22.15	22.7
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	22.31	22.21	22.20	22.7
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	22.28	22.30	22.19	22.7
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	22.16	22.31	22.17	22.7
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	22.18	22.18	22.30	22.7
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	22.17	22.32	22.26	22.7
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	22.17	22.30	22.21	22.7
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	22.23	22.24	22.31	22.7
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	22.28	22.30	22.29	22.7



<FR1 n78_Ant 6_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.60		21.7
100	PI/2 BPSK	1	137		21.31		
100	PI/2 BPSK	1	271		21.49		
100	PI/2 BPSK	135	0		21.25		21.7
100	PI/2 BPSK	135	69		21.41		21.7
100	PI/2 BPSK	135	138		21.32		21.7
100	PI/2 BPSK	270	0		21.37		
100	QPSK	1	1		21.34		21.7
100	QPSK	1	137		21.34		
100	QPSK	1	271		21.53		
100	QPSK	135	0		21.27		21.7
100	QPSK	135	69		21.32		21.7
100	QPSK	135	138		21.38		21.7
100	QPSK	270	0		21.28		
100	16QAM	1	1		21.38		21.7
100	64QAM	1	1		21.04		21.7
100	256QAM	1	1		19.15		21.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	21.49	21.50	21.52	21.7
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	21.44	21.55	21.53	21.7
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	21.53	21.59	21.50	21.7
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	21.46	21.58	21.56	21.7
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	21.50	21.59	21.54	21.7
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	21.45	21.51	21.55	21.7
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	21.51	21.53	21.54	21.7
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	21.43	21.55	21.48	21.7
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	21.48	21.59	21.51	21.7
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	21.43	21.58	21.51	21.7
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	21.49	21.59	21.49	21.7



<FR1 n78_Ant 1_Index 4/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.36		20.8
100	PI/2 BPSK	1	137		20.31		
100	PI/2 BPSK	1	271		20.15		
100	PI/2 BPSK	135	0		20.25		20.8
100	PI/2 BPSK	135	69		20.31		20.8
100	PI/2 BPSK	135	138		20.28		20.8
100	PI/2 BPSK	270	0		20.32		
100	QPSK	1	1		20.24		20.8
100	QPSK	1	137		20.20		
100	QPSK	1	271		20.34		
100	QPSK	135	0		20.20		20.8
100	QPSK	135	69		20.11		20.8
100	QPSK	135	138		20.25		20.8
100	QPSK	270	0		20.18		
100	16QAM	1	1		20.25		20.8
100	64QAM	1	1		20.25		20.8
100	256QAM	1	1		18.64		19.6
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8



<FR1 n78_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.37		
100	PI/2 BPSK	1	137		20.27		21.0
100	PI/2 BPSK	1	271		20.33		
100	PI/2 BPSK	135	0		20.29		
100	PI/2 BPSK	135	69		20.30		21.0
100	PI/2 BPSK	135	138		20.20		21.0
100	PI/2 BPSK	270	0		20.22		
100	QPSK	1	1		20.33		
100	QPSK	1	137		20.21		21.0
100	QPSK	1	271		20.35		
100	QPSK	135	0		20.28		
100	QPSK	135	69		20.21		21.0
100	QPSK	135	138		20.24		21.0
100	QPSK	270	0		20.28		
100	16QAM	1	1		20.31		
100	64QAM	1	1		20.33		21.0
100	256QAM	1	1		20.05		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	20.29	20.36	20.21	
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	20.28	20.33	20.27	
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	20.26	20.31	20.20	
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	20.20	20.32	20.22	
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	20.29	20.35	20.25	
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	20.25	20.36	20.23	
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	20.21	20.32	20.22	
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	20.29	20.27	20.28	
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	20.20	20.34	20.28	
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	20.24	20.30	20.20	
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	20.20	20.35	20.28	



<FR1 n78_Ant 5_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.75		22.3
100	PI/2 BPSK	1	137		21.67		
100	PI/2 BPSK	1	271		21.62		
100	PI/2 BPSK	135	0		21.56		22.3
100	PI/2 BPSK	135	69		21.73		22.3
100	PI/2 BPSK	135	138		21.59		22.3
100	PI/2 BPSK	270	0		21.73		
100	QPSK	1	1		21.57		22.3
100	QPSK	1	137		21.57		
100	QPSK	1	271		21.55		
100	QPSK	135	0		21.70		22.3
100	QPSK	135	69		21.72		22.3
100	QPSK	135	138		21.70		22.3
100	QPSK	270	0		21.74		
100	16QAM	1	1		21.61		22.3
100	64QAM	1	1		21.29		22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3



<FR1 n78_Ant 6_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.60		22.5
100	PI/2 BPSK	1	137		21.31		
100	PI/2 BPSK	1	271		21.49		
100	PI/2 BPSK	135	0		21.25		22.5
100	PI/2 BPSK	135	69		21.41		22.5
100	PI/2 BPSK	135	138		21.32		22.5
100	PI/2 BPSK	270	0		21.37		
100	QPSK	1	1		21.34		22.5
100	QPSK	1	137		21.34		
100	QPSK	1	271		21.53		
100	QPSK	135	0		21.27		22.5
100	QPSK	135	69		21.32		22.5
100	QPSK	135	138		21.38		22.5
100	QPSK	270	0		21.28		
100	16QAM	1	1		21.38		22.5
100	64QAM	1	1		21.04		22.5
100	256QAM	1	1		19.15		21.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	21.49	21.50	21.52	22.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	21.44	21.55	21.53	22.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	21.53	21.59	21.50	22.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	21.46	21.58	21.56	22.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	21.50	21.59	21.54	22.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	21.45	21.51	21.55	22.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	21.51	21.53	21.54	22.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	21.43	21.55	21.48	22.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	21.48	21.59	21.51	22.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	21.43	21.58	21.51	22.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	21.49	21.59	21.49	22.5



<FR1 n78_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.36		21.6
100	PI/2 BPSK	1	137		20.31		
100	PI/2 BPSK	1	271		20.15		
100	PI/2 BPSK	135	0		20.25		21.6
100	PI/2 BPSK	135	69		20.31		21.6
100	PI/2 BPSK	135	138		20.28		21.6
100	PI/2 BPSK	270	0		20.32		
100	QPSK	1	1		20.24		21.6
100	QPSK	1	137		20.20		
100	QPSK	1	271		20.34		
100	QPSK	135	0		20.20		21.6
100	QPSK	135	69		20.11		21.6
100	QPSK	135	138		20.25		21.6
100	QPSK	270	0		20.18		
100	16QAM	1	1		20.25		21.6
100	64QAM	1	1		20.25		21.6
100	256QAM	1	1		18.64		19.6
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	21.6
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	21.6
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	21.6
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	21.6
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	21.6
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	21.6
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	21.6
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	21.6
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	21.6
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	21.6
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	21.6



<FR1 n78_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.37		21.8
100	PI/2 BPSK	1	137		20.27		
100	PI/2 BPSK	1	271		20.33		
100	PI/2 BPSK	135	0		20.29		21.8
100	PI/2 BPSK	135	69		20.30		21.8
100	PI/2 BPSK	135	138		20.20		21.8
100	PI/2 BPSK	270	0		20.22		
100	QPSK	1	1		20.33		21.8
100	QPSK	1	137		20.21		
100	QPSK	1	271		20.35		
100	QPSK	135	0		20.28		21.8
100	QPSK	135	69		20.21		21.8
100	QPSK	135	138		20.24		21.8
100	QPSK	270	0		20.28		
100	16QAM	1	1		20.31		21.8
100	64QAM	1	1		20.33		21.8
100	256QAM	1	1		20.05		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	20.29	20.36	20.21	21.8
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	20.28	20.33	20.27	21.8
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	20.26	20.31	20.20	21.8
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	20.20	20.32	20.22	21.8
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	20.29	20.35	20.25	21.8
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	20.25	20.36	20.23	21.8
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	20.21	20.32	20.22	21.8
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	20.29	20.27	20.28	21.8
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	20.20	20.34	20.28	21.8
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	20.24	20.30	20.20	21.8
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	20.20	20.35	20.28	21.8



<FR1 n78_Ant 5_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.75		23.1
100	PI/2 BPSK	1	137		21.67		
100	PI/2 BPSK	1	271		21.62		
100	PI/2 BPSK	135	0		21.56		23.1
100	PI/2 BPSK	135	69		21.73		23.1
100	PI/2 BPSK	135	138		21.59		23.1
100	PI/2 BPSK	270	0		21.73		
100	QPSK	1	1		21.57		23.1
100	QPSK	1	137		21.57		
100	QPSK	1	271		21.55		
100	QPSK	135	0		21.70		23.1
100	QPSK	135	69		21.72		23.1
100	QPSK	135	138		21.70		23.1
100	QPSK	270	0		21.74		
100	16QAM	1	1		21.61		23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1



<FR1 n78_Ant 6_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.60		21.7
100	PI/2 BPSK	1	137		21.31		
100	PI/2 BPSK	1	271		21.49		
100	PI/2 BPSK	135	0		21.25		21.7
100	PI/2 BPSK	135	69		21.41		21.7
100	PI/2 BPSK	135	138		21.32		21.7
100	PI/2 BPSK	270	0		21.37		
100	QPSK	1	1		21.34		21.7
100	QPSK	1	137		21.34		
100	QPSK	1	271		21.53		
100	QPSK	135	0		21.27		21.7
100	QPSK	135	69		21.32		21.7
100	QPSK	135	138		21.38		21.7
100	QPSK	270	0		21.28		
100	16QAM	1	1		21.38		21.7
100	64QAM	1	1		21.04		21.7
100	256QAM	1	1		19.15		21.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	21.49	21.50	21.52	21.7
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	21.44	21.55	21.53	21.7
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	21.53	21.59	21.50	21.7
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	21.46	21.58	21.56	21.7
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	21.50	21.59	21.54	21.7
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	21.45	21.51	21.55	21.7
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	21.51	21.53	21.54	21.7
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	21.43	21.55	21.48	21.7
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	21.48	21.59	21.51	21.7
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	21.43	21.58	21.51	21.7
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	21.49	21.59	21.49	21.7



<FR1 n78_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.37		21.0
100	PI/2 BPSK	1	137		20.27		
100	PI/2 BPSK	1	271		20.33		
100	PI/2 BPSK	135	0		20.29		21.0
100	PI/2 BPSK	135	69		20.30		21.0
100	PI/2 BPSK	135	138		20.20		21.0
100	PI/2 BPSK	270	0		20.22		
100	QPSK	1	1		20.33		21.0
100	QPSK	1	137		20.21		
100	QPSK	1	271		20.35		
100	QPSK	135	0		20.28		21.0
100	QPSK	135	69		20.21		21.0
100	QPSK	135	138		20.24		21.0
100	QPSK	270	0		20.28		
100	16QAM	1	1		20.31		21.0
100	64QAM	1	1		20.33		21.0
100	256QAM	1	1		20.05		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	20.29	20.36	20.21	21.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	20.28	20.33	20.27	21.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	20.26	20.31	20.20	21.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	20.20	20.32	20.22	21.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	20.29	20.35	20.25	21.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	20.25	20.36	20.23	21.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	20.21	20.32	20.22	21.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	20.29	20.27	20.28	21.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	20.20	20.34	20.28	21.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	20.24	20.30	20.20	21.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	20.20	20.35	20.28	21.0



<FR1 n78_Ant 5_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.75		22.3
100	PI/2 BPSK	1	137		21.67		
100	PI/2 BPSK	1	271		21.62		
100	PI/2 BPSK	135	0		21.56		22.3
100	PI/2 BPSK	135	69		21.73		22.3
100	PI/2 BPSK	135	138		21.59		22.3
100	PI/2 BPSK	270	0		21.73		
100	QPSK	1	1		21.57		22.3
100	QPSK	1	137		21.57		
100	QPSK	1	271		21.55		
100	QPSK	135	0		21.70		22.3
100	QPSK	135	69		21.72		22.3
100	QPSK	135	138		21.70		22.3
100	QPSK	270	0		21.74		
100	16QAM	1	1		21.61		22.3
100	64QAM	1	1		21.29		22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3



<FR1 n78_HPUE_Ant 6_Index 2/3>

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



<FR1 n78_HPUE_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.49		17.6
100	PI/2 BPSK	1	137		16.41		
100	PI/2 BPSK	1	271		16.29		
100	PI/2 BPSK	135	0		16.29		17.6
100	PI/2 BPSK	135	69		16.35		17.6
100	PI/2 BPSK	135	138		16.34		17.6
100	PI/2 BPSK	270	0		16.33		
100	QPSK	1	1		16.30		17.6
100	QPSK	1	137		16.32		
100	QPSK	1	271		16.41		
100	QPSK	135	0		16.35		17.6
100	QPSK	135	69		16.38		17.6
100	QPSK	135	138		16.41		17.6
100	QPSK	270	0		16.35		
100	16QAM	1	1		16.32		17.6
100	64QAM	1	1		16.44		17.6
100	256QAM	1	1		16.36		17.6
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	17.6
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	17.6
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	17.6
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	17.6
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	17.6
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	17.6
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	17.6
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	17.6
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	17.6
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	17.6
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	17.6



<FR1 n78_HPUE_Ant 2_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.57		26.2
100	PI/2 BPSK	1	137		25.34		
100	PI/2 BPSK	1	271		25.52		
100	PI/2 BPSK	135	0		24.64		25.7
100	PI/2 BPSK	135	69		25.37		26.2
100	PI/2 BPSK	135	138		24.72		25.7
100	PI/2 BPSK	270	0		24.67		
100	QPSK	1	1		25.48		26.2
100	QPSK	1	137		25.32		
100	QPSK	1	271		25.50		
100	QPSK	135	0		24.16		25.2
100	QPSK	135	69		25.39		26.2
100	QPSK	135	138		24.21		25.2
100	QPSK	270	0		24.19		
100	16QAM	1	1		24.25		25.2
100	64QAM	1	1		22.81		23.7
100	256QAM	1	1		21.00		21.7
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	26.2
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	26.2
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	26.2
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	26.2
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	26.2
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	26.2
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	25.47	25.43	25.46	26.2
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	25.48	25.44	25.48	26.2
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	26.2
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	26.2
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	26.2



<FR1 n78_HPUE_Ant 5_Index 2>

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



<FR1 n78_HPUE_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.49		16.8
100	PI/2 BPSK	1	137		16.41		
100	PI/2 BPSK	1	271		16.29		
100	PI/2 BPSK	135	0		16.29		16.8
100	PI/2 BPSK	135	69		16.35		16.8
100	PI/2 BPSK	135	138		16.34		16.8
100	PI/2 BPSK	270	0		16.33		
100	QPSK	1	1		16.30		16.8
100	QPSK	1	137		16.32		
100	QPSK	1	271		16.41		
100	QPSK	135	0		16.35		16.8
100	QPSK	135	69		16.38		16.8
100	QPSK	135	138		16.41		16.8
100	QPSK	270	0		16.35		
100	16QAM	1	1		16.32		16.8
100	64QAM	1	1		16.44		16.8
100	256QAM	1	1		16.36		16.8
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	16.8
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	16.8
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	16.8
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	16.8
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	16.8
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	16.8
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	16.8
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	16.8
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	16.8
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	16.8
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	16.8



<FR1 n78_HPUE_Ant 5_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.20		25.7
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		25.7
100	PI/2 BPSK	135	138		24.27		25.7
100	PI/2 BPSK	270	0		24.25		
100	QPSK	1	1		24.99		25.7
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		25.7
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	25.7
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	25.7
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	25.7
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	25.7
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	25.7
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	25.7
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	25.7
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	25.7
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	25.7
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	25.7
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	25.7



<FR1 n78_HPUE_Ant 6_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.69		
100	PI/2 BPSK	1	137		24.34		24.7
100	PI/2 BPSK	1	271		24.58		
100	PI/2 BPSK	135	0		24.46		
100	PI/2 BPSK	135	69		24.50		24.7
100	PI/2 BPSK	135	138		24.35		24.7
100	PI/2 BPSK	270	0		24.46		
100	QPSK	1	1		24.61		
100	QPSK	1	137		24.32		24.7
100	QPSK	1	271		24.56		
100	QPSK	135	0		24.39		
100	QPSK	135	69		24.38		24.7
100	QPSK	135	138		24.38		24.7
100	QPSK	270	0		24.39		
100	16QAM	1	1		24.10		
100	64QAM	1	1		23.64		24.7
100	256QAM	1	1		21.89		23.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	24.62	24.59	24.50	
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	24.62	24.62	24.55	
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.56	24.68	24.57	
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	24.66	24.59	24.53	
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	24.65	24.62	24.58	
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.61	24.65	24.53	
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	24.57	24.66	24.58	
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	24.65	24.68	24.53	
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	24.66	24.62	24.56	
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	24.59	24.63	24.55	
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	24.58	24.64	24.53	



<FR1 n78_HPUE_Ant 1_Index 4/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.46		23.8
100	PI/2 BPSK	1	137		23.29		
100	PI/2 BPSK	1	271		23.37		
100	PI/2 BPSK	135	0		23.12		23.8
100	PI/2 BPSK	135	69		23.19		23.8
100	PI/2 BPSK	135	138		23.12		23.8
100	PI/2 BPSK	270	0		23.18		
100	QPSK	1	1		23.32		23.8
100	QPSK	1	137		23.28		
100	QPSK	1	271		23.36		
100	QPSK	135	0		23.21		23.8
100	QPSK	135	69		23.26		23.8
100	QPSK	135	138		23.26		23.8
100	QPSK	270	0		23.18		
100	16QAM	1	1		23.33		23.8
100	64QAM	1	1		22.62		23.8
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	23.8
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	23.8
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	23.8
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	23.8
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	23.8
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	23.8
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	23.8
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	23.8
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	23.8
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	23.8
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	23.8



<FR1 n78_HPUE_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.41		
100	PI/2 BPSK	1	137		23.28		24.0
100	PI/2 BPSK	1	271		23.37		
100	PI/2 BPSK	135	0		23.22		
100	PI/2 BPSK	135	69		23.29		24.0
100	PI/2 BPSK	135	138		23.24		24.0
100	PI/2 BPSK	270	0		23.23		
100	QPSK	1	1		23.23		
100	QPSK	1	137		23.25		24.0
100	QPSK	1	271		23.34		
100	QPSK	135	0		23.25		
100	QPSK	135	69		23.28		24.0
100	QPSK	135	138		23.23		24.0
100	QPSK	270	0		23.26		
100	16QAM	1	1		23.29		
100	64QAM	1	1		22.78		23.7
100	256QAM	1	1		21.09		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.28	23.32	23.32	
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.29	23.35	23.27	
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.23	23.35	23.31	
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.27	23.36	23.29	
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.27	23.38	23.29	
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.27	23.33	23.22	
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.32	23.33	23.30	
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	23.28	23.32	23.24	
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.27	23.34	23.23	
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.29	23.32	23.23	
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.29	23.32	23.31	



<FR1 n78_HPUE_Ant 5_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.98		25.3
100	PI/2 BPSK	1	137		24.60		
100	PI/2 BPSK	1	271		24.81		
100	PI/2 BPSK	135	0		24.18		25.3
100	PI/2 BPSK	135	69		24.60		25.3
100	PI/2 BPSK	135	138		24.37		25.3
100	PI/2 BPSK	270	0		24.32		
100	QPSK	1	1		24.70		25.3
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		25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3



<FR1 n78_HPUE_Ant 6_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.69		25.5
100	PI/2 BPSK	1	137		24.34		
100	PI/2 BPSK	1	271		24.58		
100	PI/2 BPSK	135	0		24.46		25.5
100	PI/2 BPSK	135	69		24.50		25.5
100	PI/2 BPSK	135	138		24.35		25.5
100	PI/2 BPSK	270	0		24.46		
100	QPSK	1	1		24.61		25.5
100	QPSK	1	137		24.32		
100	QPSK	1	271		24.56		
100	QPSK	135	0		24.39		25.5
100	QPSK	135	69		24.38		25.5
100	QPSK	135	138		24.38		25.5
100	QPSK	270	0		24.39		
100	16QAM	1	1		24.10		25.5
100	64QAM	1	1		23.64		25.0
100	256QAM	1	1		21.89		23.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	24.62	24.59	24.50	25.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	24.62	24.62	24.55	25.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.56	24.68	24.57	25.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	24.66	24.59	24.53	25.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	24.65	24.62	24.58	25.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.61	24.65	24.53	25.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	24.57	24.66	24.58	25.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	24.65	24.68	24.53	25.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	24.66	24.62	24.56	25.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	24.59	24.63	24.55	25.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	24.58	24.64	24.53	25.5



<FR1 n78_HPUE_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.46		24.6
100	PI/2 BPSK	1	137		23.29		
100	PI/2 BPSK	1	271		23.37		
100	PI/2 BPSK	135	0		23.12		24.6
100	PI/2 BPSK	135	69		23.19		24.6
100	PI/2 BPSK	135	138		23.12		24.6
100	PI/2 BPSK	270	0		23.18		
100	QPSK	1	1		23.32		24.6
100	QPSK	1	137		23.28		
100	QPSK	1	271		23.36		
100	QPSK	135	0		23.21		24.6
100	QPSK	135	69		23.26		24.6
100	QPSK	135	138		23.26		24.6
100	QPSK	270	0		23.18		
100	16QAM	1	1		23.33		24.6
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	24.6
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	24.6
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	24.6
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	24.6
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	24.6
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	24.6
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	24.6
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	24.6
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	24.6
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	24.6
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	24.6



<FR1 n78_HPUE_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.41		24.8
100	PI/2 BPSK	1	137		23.28		
100	PI/2 BPSK	1	271		23.37		
100	PI/2 BPSK	135	0		23.22		24.8
100	PI/2 BPSK	135	69		23.29		24.8
100	PI/2 BPSK	135	138		23.24		24.8
100	PI/2 BPSK	270	0		23.23		
100	QPSK	1	1		23.23		24.8
100	QPSK	1	137		23.25		
100	QPSK	1	271		23.34		
100	QPSK	135	0		23.25		24.8
100	QPSK	135	69		23.28		24.8
100	QPSK	135	138		23.23		24.8
100	QPSK	270	0		23.26		
100	16QAM	1	1		23.29		24.8
100	64QAM	1	1		22.78		23.7
100	256QAM	1	1		21.09		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.28	23.32	23.32	24.8
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.29	23.35	23.27	24.8
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.23	23.35	23.31	24.8
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.27	23.36	23.29	24.8
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.27	23.38	23.29	24.8
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.27	23.33	23.22	24.8
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.32	23.33	23.30	24.8
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	23.28	23.32	23.24	24.8
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.27	23.34	23.23	24.8
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.29	23.32	23.23	24.8
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.29	23.32	23.31	24.8



<FR1 n78_HPUE_Ant 5_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.98		26.1
100	PI/2 BPSK	1	137		24.60		
100	PI/2 BPSK	1	271		24.81		
100	PI/2 BPSK	135	0		24.18		25.7
100	PI/2 BPSK	135	69		24.60		26.1
100	PI/2 BPSK	135	138		24.37		25.7
100	PI/2 BPSK	270	0		24.32		
100	QPSK	1	1		24.70		26.1
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		26.1
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	26.1
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	26.1
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	26.1
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	26.1
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	26.1
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	26.1
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	26.1
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	26.1
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	26.1
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	26.1
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	26.1



<FR1 n78_HPUE_Ant 6_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.69		24.7
100	PI/2 BPSK	1	137		24.34		
100	PI/2 BPSK	1	271		24.58		
100	PI/2 BPSK	135	0		24.46		24.7
100	PI/2 BPSK	135	69		24.50		24.7
100	PI/2 BPSK	135	138		24.35		24.7
100	PI/2 BPSK	270	0		24.46		
100	QPSK	1	1		24.61		24.7
100	QPSK	1	137		24.32		
100	QPSK	1	271		24.56		
100	QPSK	135	0		24.39		24.7
100	QPSK	135	69		24.38		24.7
100	QPSK	135	138		24.38		24.7
100	QPSK	270	0		24.39		
100	16QAM	1	1		24.10		24.7
100	64QAM	1	1		23.64		24.7
100	256QAM	1	1		21.89		23.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	24.62	24.59	24.50	24.7
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	24.62	24.62	24.55	24.7
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.56	24.68	24.57	24.7
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	24.66	24.59	24.53	24.7
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	24.65	24.62	24.58	24.7
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.61	24.65	24.53	24.7
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	24.57	24.66	24.58	24.7
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	24.65	24.68	24.53	24.7
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	24.66	24.62	24.56	24.7
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	24.59	24.63	24.55	24.7
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	24.58	24.64	24.53	24.7



<FR1 n78_HPUE_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.41		24.0
100	PI/2 BPSK	1	137		23.28		
100	PI/2 BPSK	1	271		23.37		
100	PI/2 BPSK	135	0		23.22		24.0
100	PI/2 BPSK	135	69		23.29		24.0
100	PI/2 BPSK	135	138		23.24		24.0
100	PI/2 BPSK	270	0		23.23		
100	QPSK	1	1		23.23		24.0
100	QPSK	1	137		23.25		
100	QPSK	1	271		23.34		
100	QPSK	135	0		23.25		24.0
100	QPSK	135	69		23.28		24.0
100	QPSK	135	138		23.23		24.0
100	QPSK	270	0		23.26		
100	16QAM	1	1		23.29		24.0
100	64QAM	1	1		22.78		23.7
100	256QAM	1	1		21.09		21.7
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.28	23.32	23.32	24.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.29	23.35	23.27	24.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.23	23.35	23.31	24.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.27	23.36	23.29	24.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.27	23.38	23.29	24.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.27	23.33	23.22	24.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.32	23.33	23.30	24.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	23.28	23.32	23.24	24.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.27	23.34	23.23	24.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.29	23.32	23.23	24.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.29	23.32	23.31	24.0



<FR1 n78_HPUE_Ant 5_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		24.98		25.3
100	PI/2 BPSK	1	137		24.60		
100	PI/2 BPSK	1	271		24.81		
100	PI/2 BPSK	135	0		24.18		25.3
100	PI/2 BPSK	135	69		24.60		25.3
100	PI/2 BPSK	135	138		24.37		25.3
100	PI/2 BPSK	270	0		24.32		
100	QPSK	1	1		24.70		25.3
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		25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3



<FR1 n78_Ant 6_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.41		25.5
100	PI/2 BPSK	1	137		24.27		
100	PI/2 BPSK	1	271		24.38		
100	PI/2 BPSK	135	0		23.65		25.0
100	PI/2 BPSK	135	69		24.15		25.5
100	PI/2 BPSK	135	138		24.00		25.0
100	PI/2 BPSK	270	0		23.81		
100	QPSK	1	1		24.32		25.5
100	QPSK	1	137		24.20		
100	QPSK	1	271		24.37		
100	QPSK	135	0		23.18		24.5
100	QPSK	135	69		24.15		25.5
100	QPSK	135	138		23.37		24.5
100	QPSK	270	0		23.22		
100	16QAM	1	1		23.25		24.5
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	25.5
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	25.5
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	25.5
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	25.5
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	25.5
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	25.5
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	25.5
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	25.5
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	25.5
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	25.5
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	25.5



<FR1 n78_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		14.6
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		13.77		
100	PI/2 BPSK	1	137		13.76		14.6
100	PI/2 BPSK	1	271		13.60		
100	PI/2 BPSK	135	0		13.59		
100	PI/2 BPSK	135	69		13.75		14.6
100	PI/2 BPSK	135	138		13.73		14.6
100	PI/2 BPSK	270	0		13.68		
100	QPSK	1	1		13.68		
100	QPSK	1	137		13.61		14.6
100	QPSK	1	271		13.71		
100	QPSK	135	0		13.70		
100	QPSK	135	69		13.57		14.6
100	QPSK	135	138		13.75		14.6
100	QPSK	270	0		13.76		
100	16QAM	1	1		13.73		
100	64QAM	1	1		13.67		14.6
100	256QAM	1	1		13.61		14.6
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	



<FR1 n78_Ant 2_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.39		
100	PI/2 BPSK	1	137		24.11		25.0
100	PI/2 BPSK	1	271		24.38		
100	PI/2 BPSK	135	0		23.62		
100	PI/2 BPSK	135	69		24.13		24.5
100	PI/2 BPSK	135	138		23.67		25.0
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	
90	PI/2 BPSK	1	1	24.29	24.26	24.30	
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	



<FR1 n78_Ant 5_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.24		23.5
100	PI/2 BPSK	1	137		22.18		
100	PI/2 BPSK	1	271		22.21		
100	PI/2 BPSK	135	0		22.00		23.5
100	PI/2 BPSK	135	69		22.19		23.5
100	PI/2 BPSK	135	138		21.98		23.5
100	PI/2 BPSK	270	0		21.94		
100	QPSK	1	1		22.21		23.5
100	QPSK	1	137		22.12		
100	QPSK	1	271		22.07		
100	QPSK	135	0		22.17		23.5
100	QPSK	135	69		22.13		23.5
100	QPSK	135	138		22.16		23.5
100	QPSK	270	0		22.02		
100	16QAM	1	1		22.00		23.5
100	64QAM	1	1		21.05		22.5
100	256QAM	1	1		19.28		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.10	22.12	22.07	23.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.01	22.01	22.04	23.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.15	22.04	22.07	23.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.99	22.10	21.99	23.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.09	22.01	22.13	23.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.07	22.17	22.05	23.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.06	22.15	22.04	23.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.11	22.06	22.15	23.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.13	22.10	22.10	23.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.01	21.99	21.99	23.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.15	22.17	22.07	23.5



<FR1 n78_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		13.8
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		13.77		
100	PI/2 BPSK	1	137		13.76		13.8
100	PI/2 BPSK	1	271		13.60		
100	PI/2 BPSK	135	0		13.59		
100	PI/2 BPSK	135	69		13.75		13.8
100	PI/2 BPSK	135	138		13.73		13.8
100	PI/2 BPSK	270	0		13.68		
100	QPSK	1	1		13.68		
100	QPSK	1	137		13.61		13.8
100	QPSK	1	271		13.71		
100	QPSK	135	0		13.70		
100	QPSK	135	69		13.57		13.8
100	QPSK	135	138		13.75		13.8
100	QPSK	270	0		13.76		
100	16QAM	1	1		13.73		
100	64QAM	1	1		13.67		13.8
100	256QAM	1	1		13.61		13.8
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	



<FR1 n78_Ant 5_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.24		22.7
100	PI/2 BPSK	1	137		22.18		
100	PI/2 BPSK	1	271		22.21		
100	PI/2 BPSK	135	0		22.00		22.7
100	PI/2 BPSK	135	69		22.19		22.7
100	PI/2 BPSK	135	138		21.98		22.7
100	PI/2 BPSK	270	0		21.94		
100	QPSK	1	1		22.21		22.7
100	QPSK	1	137		22.12		
100	QPSK	1	271		22.07		
100	QPSK	135	0		22.17		22.7
100	QPSK	135	69		22.13		22.7
100	QPSK	135	138		22.16		22.7
100	QPSK	270	0		22.02		
100	16QAM	1	1		22.00		22.7
100	64QAM	1	1		21.05		22.5
100	256QAM	1	1		19.28		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.10	22.12	22.07	22.7
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.01	22.01	22.04	22.7
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.15	22.04	22.07	22.7
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.99	22.10	21.99	22.7
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.09	22.01	22.13	22.7
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.07	22.17	22.05	22.7
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.06	22.15	22.04	22.7
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.11	22.06	22.15	22.7
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.13	22.10	22.10	22.7
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.01	21.99	21.99	22.7
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.15	22.17	22.07	22.7



<FR1 n78_Ant 6_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.55		
100	PI/2 BPSK	1	137		21.30		21.7
100	PI/2 BPSK	1	271		21.39		
100	PI/2 BPSK	135	0		21.23		
100	PI/2 BPSK	135	69		21.34		21.7
100	PI/2 BPSK	135	138		21.24		21.7
100	PI/2 BPSK	270	0		21.30		
100	QPSK	1	1		21.28		
100	QPSK	1	137		21.21		21.7
100	QPSK	1	271		21.25		
100	QPSK	135	0		21.18		
100	QPSK	135	69		21.33		21.7
100	QPSK	135	138		21.32		21.7
100	QPSK	270	0		21.29		
100	16QAM	1	1		21.33		
100	64QAM	1	1		21.05		21.7
100	256QAM	1	1		19.15		21.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.42	21.47	21.49	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.47	21.48	21.44	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.39	21.51	21.49	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.48	21.46	21.44	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.49	21.53	21.44	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.49	21.49	21.48	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.46	21.49	21.51	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.40	21.55	21.44	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.47	21.54	21.43	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.42	21.54	21.43	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.40	21.50	21.47	



<FR1 n78_Ant 1_Index 4/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.60		20.8
100	PI/2 BPSK	1	137		20.59		
100	PI/2 BPSK	1	271		20.47		
100	PI/2 BPSK	135	0		20.48		20.8
100	PI/2 BPSK	135	69		20.55		20.8
100	PI/2 BPSK	135	138		20.53		20.8
100	PI/2 BPSK	270	0		20.53		
100	QPSK	1	1		20.43		20.8
100	QPSK	1	137		20.47		
100	QPSK	1	271		20.52		
100	QPSK	135	0		20.37		20.8
100	QPSK	135	69		20.43		20.8
100	QPSK	135	138		20.57		20.8
100	QPSK	270	0		20.46		
100	16QAM	1	1		20.56		20.8
100	64QAM	1	1		20.39		20.8
100	256QAM	1	1		18.83		19.6
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8
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	20.8



<FR1 n78_Ant 2_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.31		21.0
100	PI/2 BPSK	1	137		20.26		
100	PI/2 BPSK	1	271		20.27		
100	PI/2 BPSK	135	0		20.23		21.0
100	PI/2 BPSK	135	69		20.30		21.0
100	PI/2 BPSK	135	138		20.28		21.0
100	PI/2 BPSK	270	0		20.22		
100	QPSK	1	1		20.28		21.0
100	QPSK	1	137		20.24		
100	QPSK	1	271		20.28		
100	QPSK	135	0		20.26		21.0
100	QPSK	135	69		20.29		21.0
100	QPSK	135	138		20.28		21.0
100	QPSK	270	0		20.23		
100	16QAM	1	1		20.21		21.0
100	64QAM	1	1		20.22		21.0
100	256QAM	1	1		19.88		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.20	20.29	20.20	21.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.26	20.30	20.26	21.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.24	20.25	20.22	21.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.28	20.27	20.23	21.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.26	20.23	20.23	21.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.29	20.24	20.20	21.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.25	20.30	20.27	21.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.25	20.23	20.20	21.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.29	20.28	20.28	21.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.23	20.23	20.28	21.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.23	20.25	20.24	21.0



<FR1 n78_Ant 5_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.84		
100	PI/2 BPSK	1	137		21.72		22.3
100	PI/2 BPSK	1	271		21.71		
100	PI/2 BPSK	135	0		21.73		
100	PI/2 BPSK	135	69		21.75		22.3
100	PI/2 BPSK	135	138		21.74		22.3
100	PI/2 BPSK	270	0		21.80		
100	QPSK	1	1		21.73		
100	QPSK	1	137		21.75		22.3
100	QPSK	1	271		21.69		
100	QPSK	135	0		21.70		
100	QPSK	135	69		21.82		22.3
100	QPSK	135	138		21.69		22.3
100	QPSK	270	0		21.65		
100	16QAM	1	1		21.77		
100	64QAM	1	1		21.37		22.3
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	



<FR1 n78_Ant 6_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.55		
100	PI/2 BPSK	1	137		21.30		22.5
100	PI/2 BPSK	1	271		21.39		
100	PI/2 BPSK	135	0		21.23		
100	PI/2 BPSK	135	69		21.34		22.5
100	PI/2 BPSK	135	138		21.24		22.5
100	PI/2 BPSK	270	0		21.30		
100	QPSK	1	1		21.28		
100	QPSK	1	137		21.21		22.5
100	QPSK	1	271		21.25		
100	QPSK	135	0		21.18		
100	QPSK	135	69		21.33		22.5
100	QPSK	135	138		21.32		22.5
100	QPSK	270	0		21.29		
100	16QAM	1	1		21.33		
100	64QAM	1	1		21.05		22.5
100	256QAM	1	1		19.15		21.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.42	21.47	21.49	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.47	21.48	21.44	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.39	21.51	21.49	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.48	21.46	21.44	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.49	21.53	21.44	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.49	21.49	21.48	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.46	21.49	21.51	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.40	21.55	21.44	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.47	21.54	21.43	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.42	21.54	21.43	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.40	21.50	21.47	



<FR1 n78_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.60		21.6
100	PI/2 BPSK	1	137		20.59		
100	PI/2 BPSK	1	271		20.47		
100	PI/2 BPSK	135	0		20.48		21.6
100	PI/2 BPSK	135	69		20.55		21.6
100	PI/2 BPSK	135	138		20.53		21.6
100	PI/2 BPSK	270	0		20.53		
100	QPSK	1	1		20.43		21.6
100	QPSK	1	137		20.47		
100	QPSK	1	271		20.52		
100	QPSK	135	0		20.37		21.6
100	QPSK	135	69		20.43		21.6
100	QPSK	135	138		20.57		21.6
100	QPSK	270	0		20.46		
100	16QAM	1	1		20.56		21.6
100	64QAM	1	1		20.39		21.6
100	256QAM	1	1		18.83		19.6
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	21.6
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	21.6
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	21.6
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	21.6
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	21.6
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	21.6
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	21.6
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	21.6
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	21.6
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	21.6
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	21.6



<FR1 n78_Ant 2_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.31		
100	PI/2 BPSK	1	137		20.26		21.8
100	PI/2 BPSK	1	271		20.27		
100	PI/2 BPSK	135	0		20.23		
100	PI/2 BPSK	135	69		20.30		21.8
100	PI/2 BPSK	135	138		20.28		21.8
100	PI/2 BPSK	270	0		20.22		
100	QPSK	1	1		20.28		
100	QPSK	1	137		20.24		21.8
100	QPSK	1	271		20.28		
100	QPSK	135	0		20.26		
100	QPSK	135	69		20.29		21.8
100	QPSK	135	138		20.28		21.8
100	QPSK	270	0		20.23		
100	16QAM	1	1		20.21		
100	64QAM	1	1		20.22		21.8
100	256QAM	1	1		19.88		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.20	20.29	20.20	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.26	20.30	20.26	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.24	20.25	20.22	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.28	20.27	20.23	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.26	20.23	20.23	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.29	20.24	20.20	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.25	20.30	20.27	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.25	20.23	20.20	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.29	20.28	20.28	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.23	20.23	20.28	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.23	20.25	20.24	



<FR1 n78_Ant 5_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.84		23.1
100	PI/2 BPSK	1	137		21.72		
100	PI/2 BPSK	1	271		21.71		
100	PI/2 BPSK	135	0		21.73		23.1
100	PI/2 BPSK	135	69		21.75		23.1
100	PI/2 BPSK	135	138		21.74		23.1
100	PI/2 BPSK	270	0		21.80		
100	QPSK	1	1		21.73		23.1
100	QPSK	1	137		21.75		
100	QPSK	1	271		21.69		
100	QPSK	135	0		21.70		23.1
100	QPSK	135	69		21.82		23.1
100	QPSK	135	138		21.69		23.1
100	QPSK	270	0		21.65		
100	16QAM	1	1		21.77		23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1
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	23.1



<FR1 n78_Ant 6_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		21.7
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.55		
100	PI/2 BPSK	1	137		21.30		21.7
100	PI/2 BPSK	1	271		21.39		
100	PI/2 BPSK	135	0		21.23		
100	PI/2 BPSK	135	69		21.34		21.7
100	PI/2 BPSK	135	138		21.24		21.7
100	PI/2 BPSK	270	0		21.30		
100	QPSK	1	1		21.28		
100	QPSK	1	137		21.21		21.7
100	QPSK	1	271		21.25		
100	QPSK	135	0		21.18		
100	QPSK	135	69		21.33		21.7
100	QPSK	135	138		21.32		21.7
100	QPSK	270	0		21.29		
100	16QAM	1	1		21.33		
100	64QAM	1	1		21.05		21.7
100	256QAM	1	1		19.15		21.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.42	21.47	21.49	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.47	21.48	21.44	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.39	21.51	21.49	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.48	21.46	21.44	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.49	21.53	21.44	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.49	21.49	21.48	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.46	21.49	21.51	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.40	21.55	21.44	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.47	21.54	21.43	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.42	21.54	21.43	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.40	21.50	21.47	



<FR1 n78_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		21.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.31		
100	PI/2 BPSK	1	137		20.26		21.0
100	PI/2 BPSK	1	271		20.27		
100	PI/2 BPSK	135	0		20.23		
100	PI/2 BPSK	135	69		20.30		21.0
100	PI/2 BPSK	135	138		20.28		21.0
100	PI/2 BPSK	270	0		20.22		
100	QPSK	1	1		20.28		
100	QPSK	1	137		20.24		21.0
100	QPSK	1	271		20.28		
100	QPSK	135	0		20.26		
100	QPSK	135	69		20.29		21.0
100	QPSK	135	138		20.28		21.0
100	QPSK	270	0		20.23		
100	16QAM	1	1		20.21		
100	64QAM	1	1		20.22		21.0
100	256QAM	1	1		19.88		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.20	20.29	20.20	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.26	20.30	20.26	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.24	20.25	20.22	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.28	20.27	20.23	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.26	20.23	20.23	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.29	20.24	20.20	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.25	20.30	20.27	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.25	20.23	20.20	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.29	20.28	20.28	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.23	20.23	20.28	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.23	20.25	20.24	



<FR1 n78_Ant 5_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.84		22.3
100	PI/2 BPSK	1	137		21.72		
100	PI/2 BPSK	1	271		21.71		
100	PI/2 BPSK	135	0		21.73		22.3
100	PI/2 BPSK	135	69		21.75		22.3
100	PI/2 BPSK	135	138		21.74		22.3
100	PI/2 BPSK	270	0		21.80		
100	QPSK	1	1		21.73		22.3
100	QPSK	1	137		21.75		
100	QPSK	1	271		21.69		
100	QPSK	135	0		21.70		22.3
100	QPSK	135	69		21.82		22.3
100	QPSK	135	138		21.69		22.3
100	QPSK	270	0		21.65		
100	16QAM	1	1		21.77		22.3
100	64QAM	1	1		21.37		22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3
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	22.3



<FR1 n78_HPUE_Ant 6_Index 2/3>

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



<FR1 n78_HPUE_Ant 1_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		17.6
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.76		
100	PI/2 BPSK	1	137		16.66		17.6
100	PI/2 BPSK	1	271		16.67		
100	PI/2 BPSK	135	0		16.56		
100	PI/2 BPSK	135	69		16.69		17.6
100	PI/2 BPSK	135	138		16.57		17.6
100	PI/2 BPSK	270	0		16.68		
100	QPSK	1	1		16.72		
100	QPSK	1	137		16.67		17.6
100	QPSK	1	271		16.71		
100	QPSK	135	0		16.74		
100	QPSK	135	69		16.72		17.6
100	QPSK	135	138		16.56		17.6
100	QPSK	270	0		16.65		
100	16QAM	1	1		16.71		
100	64QAM	1	1		16.74		17.6
100	256QAM	1	1		16.64		17.6
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	



<FR1 n78_HPUE_Ant 2_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					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		25.7
100	PI/2 BPSK	135	138		24.55		26.2
100	PI/2 BPSK	270	0		24.57		25.7
100	QPSK	1	1		25.34		
100	QPSK	1	137		25.20		
100	QPSK	1	271		25.46		26.2
100	QPSK	135	0		24.12		
100	QPSK	135	69		25.32		
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		25.2
100	256QAM	1	1		21.06		23.7
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	



<FR1 n78_HPUE_Ant 5_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					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	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.92	24.85	24.75	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	



<FR1 n78_HPUE_Ant 1_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		16.8
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.76		
100	PI/2 BPSK	1	137		16.66		16.8
100	PI/2 BPSK	1	271		16.67		
100	PI/2 BPSK	135	0		16.56		
100	PI/2 BPSK	135	69		16.69		16.8
100	PI/2 BPSK	135	138		16.57		16.8
100	PI/2 BPSK	270	0		16.68		
100	QPSK	1	1		16.72		
100	QPSK	1	137		16.67		16.8
100	QPSK	1	271		16.71		
100	QPSK	135	0		16.74		
100	QPSK	135	69		16.72		16.8
100	QPSK	135	138		16.56		16.8
100	QPSK	270	0		16.65		
100	16QAM	1	1		16.71		
100	64QAM	1	1		16.74		16.8
100	256QAM	1	1		16.64		16.8
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	



<FR1 n78_HPUE_Ant 5_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		25.7
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.95		
100	PI/2 BPSK	1	137		24.69		25.7
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		25.7
100	PI/2 BPSK	270	0		24.00		
100	QPSK	1	1		24.87		
100	QPSK	1	137		24.58		25.7
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		25.2
100	QPSK	270	0		23.50		
100	16QAM	1	1		23.68		
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	



<FR1 n78_HPUE_Ant 6_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.68		
100	PI/2 BPSK	1	137		24.42		24.7
100	PI/2 BPSK	1	271		24.55		
100	PI/2 BPSK	135	0		24.44		
100	PI/2 BPSK	135	69		24.51		24.7
100	PI/2 BPSK	135	138		24.31		24.7
100	PI/2 BPSK	270	0		24.47		
100	QPSK	1	1		24.67		
100	QPSK	1	137		24.38		24.7
100	QPSK	1	271		24.47		
100	QPSK	135	0		24.40		
100	QPSK	135	69		24.34		24.7
100	QPSK	135	138		24.28		24.7
100	QPSK	270	0		24.37		
100	16QAM	1	1		24.17		
100	64QAM	1	1		23.60		24.7
100	256QAM	1	1		21.91		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.62	24.67	24.63	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.56	24.63	24.59	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.58	24.66	24.56	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.62	24.64	24.56	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.58	24.59	24.61	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.61	24.58	24.63	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.56	24.64	24.66	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.57	24.62	24.58	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.60	24.66	24.57	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.61	24.58	24.56	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.66	24.61	24.65	



<FR1 n78_HPUE_Ant 1_Index 4/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.44		
100	PI/2 BPSK	1	137		23.19		23.8
100	PI/2 BPSK	1	271		23.31		
100	PI/2 BPSK	135	0		23.29		
100	PI/2 BPSK	135	69		23.36		23.8
100	PI/2 BPSK	135	138		23.31		23.8
100	PI/2 BPSK	270	0		23.27		
100	QPSK	1	1		23.33		
100	QPSK	1	137		23.15		23.8
100	QPSK	1	271		23.32		
100	QPSK	135	0		23.27		
100	QPSK	135	69		23.28		23.8
100	QPSK	135	138		23.37		23.8
100	QPSK	270	0		23.30		
100	16QAM	1	1		23.37		
100	64QAM	1	1		22.67		23.8
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 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.56		
100	PI/2 BPSK	1	137		23.38		24.0
100	PI/2 BPSK	1	271		23.35		
100	PI/2 BPSK	135	0		23.26		
100	PI/2 BPSK	135	69		23.42		24.0
100	PI/2 BPSK	135	138		23.33		24.0
100	PI/2 BPSK	270	0		23.31		
100	QPSK	1	1		23.44		
100	QPSK	1	137		23.34		24.0
100	QPSK	1	271		23.23		
100	QPSK	135	0		23.25		
100	QPSK	135	69		23.38		24.0
100	QPSK	135	138		23.22		24.0
100	QPSK	270	0		23.26		
100	16QAM	1	1		23.25		
100	64QAM	1	1		22.73		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	23.51	23.49	23.43	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.53	23.51	23.50	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.53	23.47	23.40	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.53	23.54	23.43	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.46	23.55	23.50	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.55	23.52	23.44	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.49	23.47	23.49	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.46	23.52	23.42	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.54	23.46	23.45	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.46	23.46	23.49	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.52	23.51	23.49	



<FR1 n78_HPUE_Ant 5_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.95		25.3
100	PI/2 BPSK	1	137		24.69		
100	PI/2 BPSK	1	271		24.88		
100	PI/2 BPSK	135	0		23.98		25.3
100	PI/2 BPSK	135	69		24.63		25.3
100	PI/2 BPSK	135	138		23.95		25.3
100	PI/2 BPSK	270	0		24.00		
100	QPSK	1	1		24.87		25.3
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		25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3



<FR1 n78_HPUE_Ant 6_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.68		
100	PI/2 BPSK	1	137		24.42		25.5
100	PI/2 BPSK	1	271		24.55		
100	PI/2 BPSK	135	0		24.44		
100	PI/2 BPSK	135	69		24.51		25.5
100	PI/2 BPSK	135	138		24.31		25.5
100	PI/2 BPSK	270	0		24.47		
100	QPSK	1	1		24.67		
100	QPSK	1	137		24.38		25.5
100	QPSK	1	271		24.47		
100	QPSK	135	0		24.40		
100	QPSK	135	69		24.34		25.5
100	QPSK	135	138		24.28		25.5
100	QPSK	270	0		24.37		
100	16QAM	1	1		24.17		
100	64QAM	1	1		23.60		25.0
100	256QAM	1	1		21.91		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.62	24.67	24.63	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.56	24.63	24.59	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.58	24.66	24.56	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.62	24.64	24.56	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.58	24.59	24.61	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.61	24.58	24.63	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.56	24.64	24.66	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.57	24.62	24.58	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.60	24.66	24.57	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.61	24.58	24.56	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.66	24.61	24.65	



<FR1 n78_HPUE_Ant 1_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		24.6
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.44		
100	PI/2 BPSK	1	137		23.19		24.6
100	PI/2 BPSK	1	271		23.31		
100	PI/2 BPSK	135	0		23.29		
100	PI/2 BPSK	135	69		23.36		24.6
100	PI/2 BPSK	135	138		23.31		24.6
100	PI/2 BPSK	270	0		23.27		
100	QPSK	1	1		23.33		
100	QPSK	1	137		23.15		24.6
100	QPSK	1	271		23.32		
100	QPSK	135	0		23.27		
100	QPSK	135	69		23.28		24.6
100	QPSK	135	138		23.37		24.6
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 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.56		
100	PI/2 BPSK	1	137		23.38		24.8
100	PI/2 BPSK	1	271		23.35		
100	PI/2 BPSK	135	0		23.26		
100	PI/2 BPSK	135	69		23.42		24.8
100	PI/2 BPSK	135	138		23.33		24.8
100	PI/2 BPSK	270	0		23.31		
100	QPSK	1	1		23.44		
100	QPSK	1	137		23.34		24.8
100	QPSK	1	271		23.23		
100	QPSK	135	0		23.25		
100	QPSK	135	69		23.38		24.8
100	QPSK	135	138		23.22		24.8
100	QPSK	270	0		23.26		
100	16QAM	1	1		23.25		
100	64QAM	1	1		22.73		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	23.51	23.49	23.43	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.53	23.51	23.50	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.53	23.47	23.40	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.53	23.54	23.43	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.46	23.55	23.50	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.55	23.52	23.44	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.49	23.47	23.49	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.46	23.52	23.42	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.54	23.46	23.45	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.46	23.46	23.49	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.52	23.51	23.49	



<FR1 n78_HPUE_Ant 5_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.95		
100	PI/2 BPSK	1	137		24.69		26.1
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		26.1
100	PI/2 BPSK	270	0		24.00		
100	QPSK	1	1		24.87		
100	QPSK	1	137		24.58		25.2
100	QPSK	1	271		24.83		
100	QPSK	135	0		23.43		
100	QPSK	135	69		24.63		26.1
100	QPSK	135	138		23.38		25.2
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	26.1
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.88	24.93	24.94	
Channel				632334	633332	634332	26.1
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.81	24.87	24.93	
Channel				632000	633332	634666	26.1
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.80	24.84	24.78	
Channel				631668	633332	635000	26.1
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.92	24.80	24.85	
Channel				631334	633332	635332	26.1
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.77	24.89	24.93	
Channel				631000	633332	635666	26.1
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.85	24.76	24.79	
Channel				630834	633332	635832	26.1
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.77	24.87	24.82	
Channel				630668	633332	636000	26.1
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.86	24.92	24.93	
Channel				630500	633332	636166	26.1
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.79	24.78	24.91	
Channel				630334	633332	636332	26.1
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.79	24.87	24.84	



<FR1 n78_HPUE_Ant 6_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.68		
100	PI/2 BPSK	1	137		24.42		24.7
100	PI/2 BPSK	1	271		24.55		
100	PI/2 BPSK	135	0		24.44		
100	PI/2 BPSK	135	69		24.51		24.7
100	PI/2 BPSK	135	138		24.31		24.7
100	PI/2 BPSK	270	0		24.47		
100	QPSK	1	1		24.67		
100	QPSK	1	137		24.38		24.7
100	QPSK	1	271		24.47		
100	QPSK	135	0		24.40		
100	QPSK	135	69		24.34		24.7
100	QPSK	135	138		24.28		24.7
100	QPSK	270	0		24.37		
100	16QAM	1	1		24.17		
100	64QAM	1	1		23.60		24.7
100	256QAM	1	1		21.91		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.62	24.67	24.63	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.56	24.63	24.59	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.58	24.66	24.56	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.62	24.64	24.56	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.58	24.59	24.61	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.61	24.58	24.63	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.56	24.64	24.66	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.57	24.62	24.58	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.60	24.66	24.57	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.61	24.58	24.56	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.66	24.61	24.65	



<FR1 n78_HPUE_Ant 2_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.56		
100	PI/2 BPSK	1	137		23.38		24.0
100	PI/2 BPSK	1	271		23.35		
100	PI/2 BPSK	135	0		23.26		
100	PI/2 BPSK	135	69		23.42		24.0
100	PI/2 BPSK	135	138		23.33		24.0
100	PI/2 BPSK	270	0		23.31		
100	QPSK	1	1		23.44		
100	QPSK	1	137		23.34		24.0
100	QPSK	1	271		23.23		
100	QPSK	135	0		23.25		
100	QPSK	135	69		23.38		24.0
100	QPSK	135	138		23.22		24.0
100	QPSK	270	0		23.26		
100	16QAM	1	1		23.25		
100	64QAM	1	1		22.73		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	23.51	23.49	23.43	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.53	23.51	23.50	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.53	23.47	23.40	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.53	23.54	23.43	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.46	23.55	23.50	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.55	23.52	23.44	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.49	23.47	23.49	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.46	23.52	23.42	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.54	23.46	23.45	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.46	23.46	23.49	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.52	23.51	23.49	



<FR1 n78_HPUE_Ant 5_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.95		25.3
100	PI/2 BPSK	1	137		24.69		
100	PI/2 BPSK	1	271		24.88		
100	PI/2 BPSK	135	0		23.98		25.3
100	PI/2 BPSK	135	69		24.63		25.3
100	PI/2 BPSK	135	138		23.95		25.3
100	PI/2 BPSK	270	0		24.00		
100	QPSK	1	1		24.87		25.3
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		25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3
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	25.3

**<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 5>

Sub-carrier Speacing (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	22.33	22.30	22.27	
3.75	BPSK	1	46	22.68	22.64	22.51	23.8
3.75	QPSK	1	0	22.25	22.22	22.25	
3.75	QPSK	1	46	22.71	22.57	22.64	
15	BPSK	1	0	22.19	22.59	22.24	
15	BPSK	1	10	22.07	22.49	22.12	
15	QPSK	1	0	22.16	22.55	22.21	
15	QPSK	1	10	22.05	22.49	22.11	
15	QPSK	12	0	20.94	20.90	20.87	21.8

<NTN Band 255_Ant 0_Index 5>

Sub-carrier Speacing (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	22.42	22.28	22.40	
3.75	BPSK	1	46	22.34	22.24	22.33	24
3.75	QPSK	1	0	22.39	22.26	22.33	
3.75	QPSK	1	46	22.49	22.24	22.32	
15	BPSK	1	0	22.38	22.30	22.36	
15	BPSK	1	10	22.33	22.23	22.27	
15	QPSK	1	0	22.35	22.28	22.31	
15	QPSK	1	10	22.29	22.21	22.24	
15	QPSK	12	0	20.61	20.59	20.55	22