



<FR1 n77 (Z70)_Ant 4_DS14>

BW (MHz)	Modulation	Channel	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
		Frequency (MHz)			37.92	3840	3930	
100	Pi/2 BPSK	1	1		22.81	22.88	22.85	24.00
100		1	137		22.71	22.81	22.67	24.00
100		1	271		22.70	22.83	22.71	24.00
100		135	0		22.17	22.36	22.20	23.50
100		135	69		22.64	22.85	22.73	24.00
100		135	138		22.10	22.31	22.17	23.50
100		270	0		22.19	22.34	22.20	23.50
100		1	1		22.70	22.79	22.64	24.00
100		1	137		22.59	22.76	22.71	24.00
100		1	271		22.67	22.78	22.63	24.00
100	QPSK	135	0		21.76	21.96	21.90	23.00
100		135	69		22.60	22.77	22.63	24.00
100		135	138		21.65	21.83	21.71	23.00
100		270	0		21.79	21.88	21.72	23.00
100	16QAM	1	1		21.72	21.81	21.69	23.00
100	64QAM	1	1		20.27	20.39	20.31	21.50
100	256QAM	1	1		18.20	18.35	18.29	19.50
	Channel				648668	656000	662332	Tune-up Limit (dBm)
	Frequency (MHz)				3745.02	3840	3934.98	
80	Pi/2 BPSK	1	1		22.73	22.86	22.83	24.00
	Channel				648334	656000	662666	Tune-up Limit (dBm)
	Frequency (MHz)				3740.01	3840	3939.99	
80	Pi/2 BPSK	1	1		22.72	22.86	22.76	24.00
	Channel				648000	656000	663000	Tune-up Limit (dBm)
	Frequency (MHz)				3735	3840	3945	
70	Pi/2 BPSK	1	1		22.67	22.77	22.79	24.00
	Channel				648668	656000	663332	Tune-up Limit (dBm)
	Frequency (MHz)				3735.02	3840	3940.98	
60	Pi/2 BPSK	1	1		22.67	22.87	22.84	24.00
	Channel				648334	656000	663666	Tune-up Limit (dBm)
	Frequency (MHz)				3725.01	3840	3954.99	
50	Pi/2 BPSK	1	1		22.79	22.77	22.78	24.00
	Channel				648000	656000	664000	Tune-up Limit (dBm)
	Frequency (MHz)				3720	3840	3960	
40	Pi/2 BPSK	1	1		22.76	22.77	22.72	24.00
	Channel				647668	656000	664332	Tune-up Limit (dBm)
	Frequency (MHz)				3715.02	3840	3954.98	
30	Pi/2 BPSK	1	1		22.72	22.77	22.73	24.00
	Channel				647668	656000	664000	Tune-up Limit (dBm)
	Frequency (MHz)				3712.5	3840	3967.5	
25	Pi/2 BPSK	1	1		22.77	22.78	22.75	24.00
	Channel				647334	656000	664666	Tune-up Limit (dBm)
	Frequency (MHz)				3710.01	3840	3969.99	
20	Pi/2 BPSK	1	1		22.78	22.75	22.73	24.00
	Channel				647168	656000	664832	Tune-up Limit (dBm)
	Frequency (MHz)				3707.52	3840	3972.48	
15	Pi/2 BPSK	1	1		22.73	22.78	22.74	24.00
	Channel				647000	656000	665000	Tune-up Limit (dBm)
	Frequency (MHz)				3705	3840	3975	
10	Pi/2 BPSK	1	1		22.75	22.87	22.76	24.00

<FR1 n77 (Z70)_HPUE_Ant 4_DS14>

BW (MHz)	Modulation	Channel	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
		Frequency (MHz)			37.92	3840	3930	
100	Pi/2 BPSK	1	1		25.80	25.96	25.91	27.00
100		1	137		25.75	25.82	25.59	27.00
100		1	271		25.66	25.90	25.71	27.00
100		135	0		25.17	25.30	25.19	26.50
100		135	69		25.69	25.83	25.69	27.00
100		135	138		25.14	25.31	25.20	26.50
100		270	0		25.13	25.34	25.28	26.50
100		1	1		25.63	25.75	25.56	27.00
100		1	137		25.35	25.69	25.67	27.00
100		1	271		25.74	25.74	25.61	27.00
100	QPSK	135	0		24.75	25.00	24.87	26.00
100		135	69		25.60	25.75	25.70	27.00
100		135	138		24.72	24.88	24.70	26.00
100		270	0		24.80	24.94	24.68	26.00
100	16QAM	1	1		24.78	24.81	24.68	26.00
100	64QAM	1	1		23.35	23.47	23.37	24.50
100	256QAM	1	1		21.15	21.35	21.29	22.50
	Channel				650895	656000	662332	Tune-up Limit (dBm)
	Frequency (MHz)				3745.02	3840	3934.98	
80	Pi/2 BPSK	1	1		25.67	25.85	25.89	27.00
	Channel				648334	656000	662666	Tune-up Limit (dBm)
	Frequency (MHz)				3740.01	3840	3939.99	
80	Pi/2 BPSK	1	1		25.70	25.94	25.82	27.00
	Channel				648000	656000	663000	Tune-up Limit (dBm)
	Frequency (MHz)				3735	3840	3945	
70	Pi/2 BPSK	1	1		25.70	25.83	25.86	27.00
	Channel				648668	656000	663332	Tune-up Limit (dBm)
	Frequency (MHz)				3735.02	3840	3940.98	
60	Pi/2 BPSK	1	1		25.77	25.86	25.84	27.00
	Channel				648334	656000	663666	Tune-up Limit (dBm)
	Frequency (MHz)				3725.01	3840	3954.99	
50	Pi/2 BPSK	1	1		25.72	25.83	25.86	27.00
	Channel				648000	656000	664000	Tune-up Limit (dBm)
	Frequency (MHz)				3720	3840	3960	
40	Pi/2 BPSK	1	1		25.72	25.87	25.87	27.00
	Channel				647668	656000	664332	Tune-up Limit (dBm)
	Frequency (MHz)				3715.02	3840	3954.98	
30	Pi/2 BPSK	1	1		25.86	25.83	25.85	27.00
	Channel				647000	656000	665000	Tune-up Limit (dBm)
	Frequency (MHz)				3712.5	3840	3967.5	
25	Pi/2 BPSK	1	1		25.77	25.94	25.78	27.00
	Channel				647334	656000	664666	Tune-up Limit (dBm)
	Frequency (MHz)				3710.01	3840	3969.99	
20	Pi/2 BPSK	1	1		25.78	25.84	25.77	27.00
	Channel				647168	656000	664832	Tune-up Limit (dBm)
	Frequency (MHz)				3707.52	3840	3972.48	
15	Pi/2 BPSK	1	1		25.74	25.91	25.79	27.00
	Channel				647000	656000	665000	Tune-up Limit (dBm)
	Frequency (MHz)				3705	3840	3975	
10	Pi/2 BPSK	1	1		25.67	25.92	25.79	27.00



<FR1 n78 (270)_Ant 4_DSI4>

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	22.82			24.00	
100		1	137	22.70			24.00	
100		1	271	22.70			24.00	
100		135	0	22.22			23.50	
100		135	69	22.74			24.00	
100		135	138	22.31			23.50	
100		270	0	22.26			23.50	
100		1	1	22.74			24.00	
100		1	137	22.68			24.00	
100		1	271	22.77			24.00	
100	QPSK	135	0	21.87			23.00	
100		135	69	22.73			24.00	
100		135	138	21.79			23.00	
100		270	0	21.85			23.00	
100		16QAM	1	1	21.70			23.00
100		64QAM	1	1	20.29			21.50
100	256QAM	1	1	18.24			19.50	
Channel				649668	650000	650332		
Frequency (MHz)				3745.02	3750	3754.98		
90	Pi/2 BPSK	1	1	22.73	650000	650332	24.00	
Channel				648334	650000	650666		
Frequency (MHz)				3740.01	3750	3759.99		
80	Pi/2 BPSK	1	1	22.66	650000	650666	24.00	
Channel				648000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	Pi/2 BPSK	1	1	22.58	650000	651332	24.00	
Channel				646868	650000	651332		
Frequency (MHz)				3725.02	3750	3768.98		
60	Pi/2 BPSK	1	1	22.54	650000	651666	24.00	
Channel				648334	650000	651666		
Frequency (MHz)				3725.01	3750	3774.99		
50	Pi/2 BPSK	1	1	22.64	650000	652000	24.00	
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	Pi/2 BPSK	1	1	22.71	650000	652332	24.00	
Channel				647668	650000	652332		
Frequency (MHz)				3715.02	3750	3784.98		
30	Pi/2 BPSK	1	1	22.54	650000	652666	24.00	
Channel				647000	650000	652666		
Frequency (MHz)				3712.5	3750	3787.5		
25	Pi/2 BPSK	1	1	22.64	650000	653000	24.00	
Channel				647334	650000	652666		
Frequency (MHz)				3710.01	3750	3789.99		
20	Pi/2 BPSK	1	1	22.58	650000	652832	24.00	
Channel				647168	650000	652832		
Frequency (MHz)				3707.52	3750	3791.48		
15	Pi/2 BPSK	1	1	22.62	650000	653000	24.00	
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795		
10	Pi/2 BPSK	1	1	22.58	650000	652666	24.00	

<FR1 n78 (270)_HPUE_Ant 4_DSI4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel							Tune-up Limit (dBm)	
Frequency (MHz)					3750			
150	PI2 BPSK	1	1		25.03		27.00	
100		1	137		25.81		27.00	
100		1	271		25.85		27.00	
100		135	0		25.26		26.50	
100		135	69		25.81		27.00	
100		135	138		25.20		26.50	
100		270	0		25.21		26.50	
100		1	1		25.62		27.00	
100		1	137		25.54		27.00	
150		1	271		25.66		27.00	
100	QPSK	135	0		24.95		26.00	
100		135	69		25.66		27.00	
100		135	138		24.81		26.00	
100		270	0		24.92		26.00	
100		16QAM	1	1		24.68		26.00
100		64QAM	1	1		23.40		24.50
100	256QAM	1	1		21.33		22.50	
Channel				649668	650000	650332	Tune-up Limit (dBm)	
Frequency (MHz)				3745.02	3750	3754.98		
90	PI2 BPSK	1	1		25.83		27.00	
Channel				649334	650000	650666	Tune-up Limit (dBm)	
Frequency (MHz)				3740.01	3750	3759.99		
80	PI2 BPSK	1	1		25.78		27.00	
Channel				649000	650000	651000	Tune-up Limit (dBm)	
Frequency (MHz)				3735	3750	3765		
70	PI2 BPSK	1	1		25.81		27.00	
Channel				648668	650000	651332	Tune-up Limit (dBm)	
Frequency (MHz)				3730.02	3750	3769.98		
60	PI2 BPSK	1	1		25.78		27.00	
Channel				648334	650000	651666	Tune-up Limit (dBm)	
Frequency (MHz)				3725.01	3750	3774.99		
50	PI2 BPSK	1	1		25.77		27.00	
Channel				648000	650000	652000	Tune-up Limit (dBm)	
Frequency (MHz)				3720	3750	3780		
40	PI2 BPSK	1	1		25.77		27.00	
Channel				647668	650000	652332	Tune-up Limit (dBm)	
Frequency (MHz)				3715.02	3750	3784.98		
30	PI2 BPSK	1	1		25.81		27.00	
Channel				647000	650000	652500	Tune-up Limit (dBm)	
Frequency (MHz)				3712.5	3750	3787.5		
25	PI2 BPSK	1	1		25.75		27.00	
Channel				647334	650000	652666	Tune-up Limit (dBm)	
Frequency (MHz)				3710.01	3750	3789.99		
20	PI2 BPSK	1	1		25.84		27.00	
Channel				647168	650000	652832	Tune-up Limit (dBm)	
Frequency (MHz)				3707.52	3750	3792.48		
15	PI2 BPSK	1	1		25.82		27.00	
Channel				647000	650000	653000	Tune-up Limit (dBm)	
Frequency (MHz)				3705	3750	3795		
10	PI2 BPSK	1	1		25.77		27.00	

Full&Default Power Mode PA (Reference Designator)

eFR1 n41_Ant 0_Full Power>								
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	Pi2 BPSK	1	1	22.10	22.19	22.12	23.00	
100		1	137	22.02	22.16	22.08	23.00	
100		1	271	21.95	22.01	21.91	23.00	
100		135	0	21.52	21.61	21.61	22.50	
100		135	69	22.00	22.06	21.94	23.00	
100		135	138	21.48	21.56	21.56	22.50	
100		270	0	21.56	21.63	21.57	22.50	
100		1	1	22.00	22.10	21.80	23.00	
100		1	137	21.93	22.03	21.85	23.00	
100		1	271	21.90	22.06	21.87	23.00	
100	QPSK	135	0	21.02	21.14	20.97	22.00	
100		135	69	21.86	21.96	21.94	23.00	
100		135	138	20.88	21.09	20.97	22.00	
100		270	0	20.97	21.11	20.87	22.00	
100		16QAM	1	1	20.86	21.07	20.87	22.00
100		64QAM	1	1	19.65	19.74	19.46	20.50
100		256QAM	1	1	17.49	17.59	17.55	18.50
Channel				508200	518598	528996	Tune-up Limit (dBm)	
Frequency (MHz)				2541	2592.99	2644.96		
90	Pi2 BPSK	1	1	22.00	22.14	22.09	23.00	
Channel				507204	518598	529996	Tune-up Limit (dBm)	
Frequency (MHz)				2536.02	2592.99	2649.99		
80	Pi2 BPSK	1	1	21.98	22.07	22.00	23.00	
Channel				506202	518598	531000	Tune-up Limit (dBm)	
Frequency (MHz)				2531.01	2592.99	2655		
70	Pi2 BPSK	1	1	21.99	22.04	22.11	23.00	
Channel				505200	518598	531996	Tune-up Limit (dBm)	
Frequency (MHz)				2526	2592.99	2659.98		
60	Pi2 BPSK	1	1	21.96	22.08	21.99	23.00	
Channel				504204	518598	532998	Tune-up Limit (dBm)	
Frequency (MHz)				2521.02	2592.99	2664.99		
50	Pi2 BPSK	1	1	22.01	22.08	22.07	23.00	
Channel				503700	518598	533496	Tune-up Limit (dBm)	
Frequency (MHz)				2518.5	2592.99	2667.48		
45	Pi2 BPSK	1	1	21.97	22.06	22.06	23.00	
Channel				503202	518598	534000	Tune-up Limit (dBm)	
Frequency (MHz)				2516.01	2592.99	2670		
40	Pi2 BPSK	1	1	21.98	22.04	22.05	23.00	
Channel				502704	518598	534498	Tune-up Limit (dBm)	
Frequency (MHz)				2513.52	2592.99	2672.49		
35	Pi2 BPSK	1	1	22.00	22.05	22.07	23.00	
Channel				502200	518598	534996	Tune-up Limit (dBm)	
Frequency (MHz)				2511	2592.99	2674.98		
30	Pi2 BPSK	1	1	22.10	22.19	22.09	23.00	
Channel				501702	518598	535500	Tune-up Limit (dBm)	
Frequency (MHz)				2508.51	2592.99	2677.5		
25	Pi2 BPSK	1	1	21.97	22.13	21.97	23.00	
Channel				501204	518598	535998	Tune-up Limit (dBm)	
Frequency (MHz)				2506.02	2592.99	2679.99		
20	Pi2 BPSK	1	1	22.02	22.11	22.02	23.00	
Channel				500700	518598	536496	Tune-up Limit (dBm)	
Frequency (MHz)				2503.5	2592.99	2682.48		
15	Pi2 BPSK	1	1	21.96	22.17	21.99	23.00	
Channel				500202	518598	537000	Tune-up Limit (dBm)	
Frequency (MHz)				2501.01	2592.99	2685		
10	Pi2 BPSK	1	1	22.10	22.09	22.03	23.00	

<FR1 n7_Ant 1_Full Power>								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 504000	Power Middle Ch./Freq. 507000	Power High Ch./Freq. 510000	Tune-up Limit (dBm)	
Channel				504000	507000	510000		
Frequency (MHz)				2535	2535	2550		
40	PI2 BPSK	1	1	21.28	21.30	21.20	23.00	
40		1	108	21.13	21.24	21.13	23.00	
40		1	214	21.05	21.30	21.09	23.00	
40		108	0	20.62	20.75	20.51	22.50	
40		108	54	21.19	21.33	21.09	23.00	
40		108	108	20.47	20.73	20.58	22.50	
40		216	0	20.58	20.80	20.68	22.50	
40		1	1	21.13	21.22	21.07	23.00	
40		1	108	21.28	21.29	21.14	23.00	
40		1	214	21.16	21.28	21.15	23.00	
40	QPSK	108	0	20.08	20.17	20.17	22.00	
40		108	54	20.94	21.13	21.07	23.00	
40		108	108	20.12	20.30	20.11	22.00	
40		216	0	19.98	20.25	20.06	22.00	
40		16QAM	1	1	20.17	20.16	20.09	22.00
40		64QAM	1	1	18.63	18.69	18.73	20.50
40	256QAM	1	1	16.61	16.75	16.61	18.50	
Channel				503000	507000	510000	Tune-up Limit (dBm)	
Frequency (MHz)				2517.5	2535	2552.5		
35	PI2 BPSK	1	1	21.24	21.35	21.18	23.00	
Channel				503000	507000	511000	Tune-up Limit (dBm)	
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	21.28	21.24	21.14	23.00	
Channel				502000	507000	511500	Tune-up Limit (dBm)	
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	21.17	21.28	21.26	23.00	
Channel				502000	507000	512000	Tune-up Limit (dBm)	
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	21.24	21.22	21.22	23.00	
Channel				501000	507000	512500	Tune-up Limit (dBm)	
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	21.19	21.30	21.23	23.00	
Channel				501000	507000	513000	Tune-up Limit (dBm)	
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	21.25	21.21	21.25	23.00	
Channel				500500	507000	513500	Tune-up Limit (dBm)	
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	21.25	21.31	21.14	23.00	



<FR1 n41_Ant 1_Full Power>							
BW (MHz)	Modulation	Channel	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq
		Channel			509202	518598	528000
		Frequency (MHz)			2546.01	2592.99	2648.99
100	Pi/2 BPSK	1	1		22.08	22.24	22.17
100		1	137		21.87	22.16	21.96
100		1	271		21.90	22.14	22.03
100		135	0		21.42	21.54	21.38
100		135	69		22.08	22.10	21.88
100		135	138		21.44	21.58	21.36
100		270	0		21.37	21.61	21.55
100		1	1		21.84	22.08	22.04
100		1	137		21.94	21.98	22.05
100		1	271		21.92	21.98	21.94
100	QPSK	135	0		20.91	20.91	20.84
100		135	69		21.99	22.10	21.83
100		135	138		20.97	21.00	20.97
100		270	0		20.89	20.99	20.99
100	16QAM	1	1		20.87	21.13	21.02
100	64QAM	1	1		19.28	19.56	19.52
100	256QAM	1	1		17.35	17.55	17.43
		Channel			508200	518598	528996
		Frequency (MHz)			2541	2592.99	2644.98
90	Pi/2 BPSK	1	1		22.06	22.10	22.07
		Channel			507204	518598	529996
		Frequency (MHz)			2536.02	2592.99	2648.99
80	Pi/2 BPSK	1	1		22.04	22.06	22.02
		Channel			506202	518598	531000
		Frequency (MHz)			2531.01	2592.99	2655
70	Pi/2 BPSK	1	1		22.06	22.13	22.09
		Channel			505200	518598	531996
		Frequency (MHz)			2526	2592.99	2659.98
60	Pi/2 BPSK	1	1		22.02	22.18	22.01
		Channel			504204	518598	532998
		Frequency (MHz)			2521.02	2592.99	2664.99
50	Pi/2 BPSK	1	1		22.04	22.21	22.11
		Channel			503700	518598	533996
		Frequency (MHz)			2518.5	2592.99	2667.48
45	Pi/2 BPSK	1	1		21.97	22.23	22.13
		Channel			503202	518598	534000
		Frequency (MHz)			2516.01	2592.99	2670
40	Pi/2 BPSK	1	1		21.94	22.10	22.04
		Channel			502704	518598	534498
		Frequency (MHz)			2513.52	2592.99	2672.49
35	Pi/2 BPSK	1	1		22.02	22.09	22.07
		Channel			502200	518598	534996
		Frequency (MHz)			2511	2592.99	2674.98
30	Pi/2 BPSK	1	1		21.95	22.22	22.10
		Channel			501702	518598	535500
		Frequency (MHz)			2508.51	2592.99	2677.5
25	Pi/2 BPSK	1	1		21.96	22.15	22.03
		Channel			501204	518598	535998
		Frequency (MHz)			2506.02	2592.99	2679.99
20	Pi/2 BPSK	1	1		22.02	22.12	22.14
		Channel			500700	518598	536496
		Frequency (MHz)			2503.5	2592.99	2682.48
15	Pi/2 BPSK	1	1		22.03	22.23	22.04
		Channel			500202	518598	537000
		Frequency (MHz)			2501.01	2592.99	2685
10	Pi/2 BPSK	1	1		21.94	22.17	22.02

<FR1 n41_HPUE_Ant 1_Full Power>							
BW (MHz)	Modulation	Channel	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq
		Channel			509202	518598	528000
		Frequency (MHz)			2546.01	2592.99	2648.99
100	Pi/2 BPSK	1	1		25.14	25.30	25.06
100		1	137		24.96	25.04	25.05
100		1	271		24.98	25.21	25.08
100		135	0		24.31	24.57	24.40
100		135	69		25.15	25.08	24.82
100		135	138		24.43	24.62	24.43
100		270	0		24.39	24.53	24.58
100		1	1		24.52	25.11	25.13
100		1	137		25.08	25.05	25.08
100		1	271		24.95	24.90	25.04
100	QPSK	135	0		23.99	23.95	23.95
100		135	69		24.97	25.03	24.90
100		135	138		23.98	24.07	23.99
100		270	0		23.91	23.97	23.82
100	16QAM	1	1		23.83	24.23	23.98
100	64QAM	1	1		22.48	22.57	22.48
100	256QAM	1	1		20.26	20.52	20.51
		Channel			508200	518598	528996
		Frequency (MHz)			2541	2592.99	2644.98
90	Pi/2 BPSK	1	1		25.04	25.18	25.02
		Channel			507204	518598	529996
		Frequency (MHz)			2536.02	2592.99	2648.99
80	Pi/2 BPSK	1	1		25.00	25.25	24.92
		Channel			506202	518598	531000
		Frequency (MHz)			2531.01	2592.99	2655
70	Pi/2 BPSK	1	1		24.99	25.26	25.02
		Channel			505200	518598	531996
		Frequency (MHz)			2526	2592.99	2659.98
60	Pi/2 BPSK	1	1		25.09	25.26	25.04
		Channel			504204	518598	532998
		Frequency (MHz)			2521.02	2592.99	2664.99
50	Pi/2 BPSK	1	1		25.01	25.24	24.96
		Channel			503700	518598	533996
		Frequency (MHz)			2518.5	2592.99	2667.48
45	Pi/2 BPSK	1	1		25.10	25.26	24.95
		Channel			503202	518598	534000
		Frequency (MHz)			2516.01	2592.99	2670
40	Pi/2 BPSK	1	1		24.98	25.17	25.02
		Channel			502704	518598	534498
		Frequency (MHz)			2513.52	2592.99	2672.49
35	Pi/2 BPSK	1	1		25.01	25.19	25.01
		Channel			502200	518598	534996
		Frequency (MHz)			2511	2592.99	2674.98
30	Pi/2 BPSK	1	1		24.95	25.20	25.04
		Channel			501702	518598	535500
		Frequency (MHz)			2508.51	2592.99	2677.5
25	Pi/2 BPSK	1	1		25.03	25.26	24.97
		Channel			501204	518598	535998
		Frequency (MHz)			2506.02	2592.99	2679.99
20	Pi/2 BPSK	1	1		25.05	25.29	25.06
		Channel			500700	518598	536496
		Frequency (MHz)			2503.5	2592.99	2682.48
15	Pi/2 BPSK	1	1		25.03	25.34	25.03
		Channel			500202	518598	537000
		Frequency (MHz)			2501.01	2592.99	2685
10	Pi/2 BPSK	1	1		25.08	25.30	24.94



<FR1 n25_Ant 2_Full Power>							
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	
Frequency (MHz)				1870	1882.5	1895	
40	Pi/2 BPSK	1	1	21.31	21.40	21.34	23.00
40		1	108	21.35	21.44	21.31	23.00
40		1	214	21.30	21.36	21.33	23.00
40		108	0	20.89	21.00	20.68	22.50
40		108	54	21.11	21.25	21.23	23.00
40		108	108	20.63	20.78	20.91	22.50
40		216	0	20.90	20.72	20.69	22.50
40		1	1	21.34	21.33	21.33	23.00
40		1	108	21.32	21.30	21.23	23.00
40		1	214	21.08	21.28	21.33	23.00
40	QPSK	108	0	20.40	20.53	20.39	22.00
40		108	54	21.31	21.32	21.21	23.00
40		108	108	20.21	20.46	20.34	22.00
40		216	0	20.27	20.48	20.38	22.00
40	16QAM	1	1	20.30	20.48	20.36	22.00
40	64QAM	1	1	18.95	18.90	18.73	20.50
40	256QAM	1	1	16.69	16.88	16.70	18.50
Channel				373500	376500	379500	Tune-up Limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
35	Pi/2 BPSK	1	1	21.27	21.37	21.24	23.00
Channel				373000	376500	380000	Tune-up Limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	Pi/2 BPSK	1	1	21.26	21.38	21.31	23.00
Channel				372500	376500	380500	Tune-up Limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	Pi/2 BPSK	1	1	21.28	21.44	21.29	23.00
Channel				372000	376500	381000	Tune-up Limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	Pi/2 BPSK	1	1	21.17	21.42	21.28	23.00
Channel				371500	376500	381500	Tune-up Limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	Pi/2 BPSK	1	1	21.31	21.40	21.24	23.00
Channel				371000	376500	382000	Tune-up Limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	Pi/2 BPSK	1	1	21.24	21.38	21.23	23.00
Channel				370500	376500	382500	Tune-up Limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	Pi/2 BPSK	1	1	21.27	21.36	21.18	23.00

<FR1 n66_Ant 2_Full Power>							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up Limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1722.5	1745	1767.5	
45	Pi/2 BPSK	1	1	21.87	22.00	21.96	23.00
45		1	120	21.85	21.80	21.78	23.00
45		1	240	21.74	21.85	21.68	23.00
45		120	0	21.14	21.28	20.99	22.50
45		120	60	21.74	21.78	21.66	23.00
45		120	120	21.12	21.19	21.22	22.50
45		240	0	21.19	21.25	21.21	22.50
45		1	1	21.85	21.88	21.64	23.00
45		1	120	21.84	21.86	21.88	23.00
45		1	240	21.72	21.81	21.76	23.00
45	QPSK	120	0	20.72	20.91	20.77	22.00
45		120	60	21.77	21.93	21.79	23.00
45		120	120	20.69	20.69	20.72	22.00
45		240	0	20.67	20.92	20.80	22.00
45	16QAM	1	1	20.76	20.85	20.83	22.00
45	64QAM	1	1	19.16	19.38	19.22	20.50
45	256QAM	1	1	17.00	17.09	17.07	18.50
Channel				346000	349000	352000	Tune-up Limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	Pi/2 BPSK	1	1	21.74	21.87	21.96	23.00
Channel				345500	349000	352500	Tune-up Limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	Pi/2 BPSK	1	1	21.85	21.90	21.87	23.00
Channel				345000	349000	353000	Tune-up Limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	Pi/2 BPSK	1	1	21.86	21.99	21.86	23.00
Channel				344500	349000	353500	Tune-up Limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	Pi/2 BPSK	1	1	21.76	21.97	21.82	23.00
Channel				344000	349000	354000	Tune-up Limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	Pi/2 BPSK	1	1	21.79	21.87	21.94	23.00
Channel				343500	349000	354500	Tune-up Limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	Pi/2 BPSK	1	1	21.75	21.97	21.93	23.00
Channel				343000	349000	355000	Tune-up Limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	Pi/2 BPSK	1	1	21.86	21.98	21.92	23.00
Channel				342500	349000	355500	Tune-up Limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	Pi/2 BPSK	1	1	21.76	21.89	21.93	23.00



<FR1 n77 (270)_Ant 7_Full Power>							
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	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3190	3640	3640	
100	Pi2 BPSK	1	1	22.34	22.48	22.41	23.00
100		1	137	22.08	22.37	22.16	23.00
100		1	271	22.05	22.41	22.09	23.00
100		135	0	21.76	21.88	21.82	22.50
100		135	69	22.17	22.38	22.24	23.00
100		135	138	21.71	21.97	21.64	22.50
100		270	0	21.76	21.88	21.74	22.50
100		1	1	22.29	22.40	22.12	23.00
100		1	137	22.16	22.28	22.30	23.00
100		1	271	22.20	22.42	22.07	23.00
100	QPSK	135	0	21.27	21.53	21.25	22.00
100		135	69	22.10	22.31	21.99	23.00
100		135	138	21.35	21.40	21.26	22.00
100		270	0	21.11	21.46	21.29	22.00
100	16QAM	1	1	21.37	21.50	21.36	22.00
100	64QAM	1	1	18.73	19.50	19.78	20.50
100	256QAM	1	1	17.81	18.03	17.92	18.50
Channel				648668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3743.02	3640	3640.98	
90	Pi2 BPSK	1	1	22.35	22.52	22.48	23.00
Channel				648334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3640	3639.99	
80	Pi2 BPSK	1	1	22.38	22.53	22.54	23.00
Channel				648000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3640	3645	
70	Pi2 BPSK	1	1	22.43	22.50	22.52	23.00
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3640	3649.98	
60	Pi2 BPSK	1	1	22.48	22.58	22.59	23.00
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3726.01	3640	3654.99	
50	Pi2 BPSK	1	1	22.40	22.55	22.52	23.00
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3640	3660	
40	Pi2 BPSK	1	1	22.44	22.53	22.50	23.00
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3640	3654.98	
30	Pi2 BPSK	1	1	22.45	22.58	22.55	23.00
Channel				647000	650000	654800	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3640	3657.5	
25	Pi2 BPSK	1	1	22.38	22.51	22.47	23.00
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3640	3659.99	
20	Pi2 BPSK	1	1	22.44	22.53	22.45	23.00
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3640	3672.48	
15	Pi2 BPSK	1	1	22.45	22.56	22.49	23.00
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3640	3675	
10	Pi2 BPSK	1	1	22.46	22.56	22.55	23.00

<FR1 n77 (270)_HPUE_Ant 7_Full Power>							
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	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3190	3640	3640	
100	Pi2 BPSK	1	1	24.38	24.55	24.43	25.00
100		1	137	24.21	24.38	24.17	25.00
100		1	271	24.14	24.33	24.07	25.00
100		135	0	23.65	23.97	23.69	24.50
100		135	69	24.25	24.46	24.27	25.00
100		135	138	23.86	23.97	23.73	24.50
100		270	0	23.76	23.91	23.89	24.50
100		1	1	24.16	24.41	24.18	25.00
100		1	137	24.24	24.30	24.19	25.00
100		1	271	24.19	24.24	24.16	25.00
100	QPSK	135	0	23.26	23.43	23.27	24.00
100		135	69	24.08	24.40	24.09	25.00
100		135	138	23.23	23.36	23.19	24.00
100		270	0	23.08	23.49	23.20	24.00
100	16QAM	1	1	23.37	23.37	23.38	24.00
100	64QAM	1	1	21.61	21.86	21.74	22.50
100	256QAM	1	1	19.86	19.87	19.97	20.50
Channel				648668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3743.02	3640	3640.98	
90	Pi2 BPSK	1	1	24.24	24.43	24.40	25.00
Channel				648334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3640	3639.99	
80	Pi2 BPSK	1	1	24.26	24.53	24.29	25.00
Channel				648000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3640	3645	
70	Pi2 BPSK	1	1	24.33	24.53	24.29	25.00
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3640	3649.98	
60	Pi2 BPSK	1	1	24.23	24.52	24.53	25.00
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3726.01	3640	3654.99	
50	Pi2 BPSK	1	1	24.23	24.39	24.30	25.00
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3640	3660	
40	Pi2 BPSK	1	1	24.28	24.53	24.38	25.00
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3640	3654.98	
30	Pi2 BPSK	1	1	24.25	24.53	24.42	25.00
Channel				647000	650000	654800	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3640	3657.5	
25	Pi2 BPSK	1	1	24.26	24.43	24.39	25.00
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3640	3659.99	
20	Pi2 BPSK	1	1	24.32	24.53	24.38	25.00
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3640	3672.48	
15	Pi2 BPSK	1	1	24.22	24.46	24.29	25.00
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3640	3675	
10	Pi2 BPSK	1	1	24.34	24.54	24.28	25.00



FR1 n78 (270)_Ant 7_Full Power>							
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			Tune-up Limit (dBm)
Frequency (MHz)				3750			
100	Pi2 BPSK	1	1	22.34	22.34	22.34	23.00
100		1	137	22.22	22.22	22.22	23.00
100		1	271	22.29	22.29	22.29	23.00
100		135	0	21.82	21.82	21.82	22.50
100		135	69	22.17	22.17	22.17	23.00
100		135	138	21.89	21.89	21.89	22.50
100		270	0	21.73	21.73	21.73	22.50
100		1	1	22.31	22.31	22.31	23.00
100		1	137	22.13	22.13	22.13	23.00
100		1	271	22.27	22.27	22.27	23.00
100	QPSK	135	0	21.30	21.30	21.30	22.00
100		135	69	22.08	22.08	22.08	23.00
100		135	138	21.33	21.33	21.33	22.00
100		270	0	21.38	21.38	21.38	22.00
100	16QAM	1	1	21.31	21.31	21.31	22.00
100	64QAM	1	1	19.69	19.69	19.69	20.50
100	256QAM	1	1	17.85	17.85	17.85	18.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi2 BPSK	1	1	22.26	22.28	22.21	23.00
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi2 BPSK	1	1	22.12	22.20	22.19	23.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi2 BPSK	1	1	22.17	22.25	22.09	23.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi2 BPSK	1	1	22.13	22.23	22.05	23.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi2 BPSK	1	1	22.13	22.20	22.20	23.00
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi2 BPSK	1	1	22.15	22.20	22.08	23.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi2 BPSK	1	1	22.20	22.14	22.15	23.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
25	Pi2 BPSK	1	1	22.12	22.13	22.16	23.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
20	Pi2 BPSK	1	1	22.11	22.18	22.06	23.00
Channel				646668	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi2 BPSK	1	1	22.19	22.18	22.07	23.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi2 BPSK	1	1	22.23	22.13	22.13	23.00

FR1 n78 (270)_HPUE_Ant 7_Full Power>							
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			Tune-up Limit (dBm)
Frequency (MHz)				3750			
100	PI2 BPSK	1	1		24.36		25.00
100		1	137		24.19		25.00
100		1	271		24.21		25.00
100		135	0		23.87		24.50
100		135	69		24.34		25.00
100		135	138		23.82		24.50
100		270	0		23.75		24.50
100		1	1		24.30		25.00
100		1	137		24.13		25.00
100		1	271		24.17		25.00
100	QPSK	135	0		23.32		24.00
100		135	69		24.28		25.00
100		135	138		23.22		24.00
100		270	0		23.31		24.00
100	16QAM	1	1		23.18		24.00
100	64QAM	1	1		21.76		22.50
100	256QAM	1	1		19.80		20.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI2 BPSK	1	1		24.28	24.25	25.00
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI2 BPSK	1	1		24.16	24.21	25.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI2 BPSK	1	1		24.25	24.21	25.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI2 BPSK	1	1		24.12	24.12	25.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI2 BPSK	1	1		24.19	24.15	25.00
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI2 BPSK	1	1		24.15	24.17	25.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI2 BPSK	1	1		24.24	24.17	25.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
25	PI2 BPSK	1	1		24.27	24.18	25.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
20	PI2 BPSK	1	1		24.14	24.29	25.00
Channel				646668	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI2 BPSK	1	1		24.27	24.18	25.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI2 BPSK	1	1		24.17	24.27	25.00



<FR1 n77 (270)&FR1 n77 (270)_HPUE_Ant 5_Full Power>							
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	650000	652000	
Frequency (MHz)				3745.02	3840	3934.98	
100	PI/2 BPSK	1	1	22.86	22.87	22.82	24.00
100		1	137	22.39	22.58	22.46	24.00
100		1	271	22.46	22.58	22.45	24.00
100		135	0	22.12	22.14	22.04	23.50
100		135	69	22.49	22.54	22.38	24.00
100		135	138	21.89	22.13	21.91	23.50
100		270	0	21.96	22.15	21.86	23.50
100		1	1	22.35	22.50	22.39	24.00
100		1	137	22.39	22.45	22.35	24.00
100		1	271	22.45	22.47	22.39	24.00
100	QPSK	135	0	21.51	21.62	21.42	23.00
100		135	69	22.36	22.50	22.49	24.00
100		135	138	21.52	21.81	21.39	23.00
100		270	0	21.56	21.54	21.40	23.00
100	16QAM	1	1	21.49	21.57	21.45	23.00
100	64QAM	1	1	20.08	20.27	20.08	21.50
100	256QAM	1	1	18.04	18.18	17.97	19.50
Channel				649668	650000	652332	
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.54	22.59	22.51	24.00
Channel				648334	650000	652006	
Frequency (MHz)				3745.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.86	22.85	22.81	24.00
Channel				649000	650000	653000	
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.83	22.58	22.56	24.00
Channel				648668	650000	653332	
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.83	22.65	22.53	24.00
Channel				648334	650000	653666	
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.57	22.56	22.56	24.00
Channel				648000	650000	654000	
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.53	22.57	22.57	24.00
Channel				647668	650000	654332	
Frequency (MHz)				3715.02	3840	3964.98	
30	PI/2 BPSK	1	1	22.54	22.55	22.59	24.00
Channel				647300	650000	654500	
Frequency (MHz)				3712.5	3840	3967.5	
25	PI/2 BPSK	1	1	22.58	22.55	22.48	24.00
Channel				647334	650000	654666	
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.58	22.55	22.52	24.00
Channel				647168	650000	654832	
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.62	22.63	22.51	24.00
Channel				647000	650000	655000	
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.56	22.52	22.59	24.00

<FR1 n78 (270)&FR1 n78 (270)_HPUE_Ant 5_Full Power>							
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		22.61		24.00
100		1	137		22.42		24.00
100		1	271		22.51		24.00
100		135	0		22.15		23.50
100		135	69		22.51		24.00
100		135	138		21.98		23.50
100		270	0		22.02		23.50
100		1	1		22.49		24.00
100		1	137		22.35		24.00
100		1	271		22.38		24.00
100	QPSK	135	0		21.57		23.00
100		135	69		22.39		24.00
100		135	138		21.55		23.00
100		270	0		21.46		23.00
100	16QAM	1	1		21.44		23.00
100	64QAM	1	1		20.17		21.50
100	256QAM	1	1		18.05		19.50
Channel				648668	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1		22.52	22.57	24.00
Channel				648334	650000	650996	
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1		22.39	22.44	24.00
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1		22.30	22.43	24.00
Channel				648668	650000	651332	
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1		22.33	22.37	24.00
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1		22.33	22.44	24.00
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1		22.38	22.33	24.00
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3784.98	
30	PI/2 BPSK	1	1		22.29	22.35	24.00
Channel				647500	650000	652500	
Frequency (MHz)				3712.5	3750	3787.5	
25	PI/2 BPSK	1	1		22.37	22.37	24.00
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1		22.34	22.38	24.00
Channel				647168	650000	652832	
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1		22.29	22.45	24.00
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1		22.37	22.33	24.00



<FR1 n77 (270)_Ant 8_Full Power>							
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	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3190	3440	3640	
100	Pi2 BPSK	1	1	21.02	21.13	21.00	22.50
100		1	137	20.81	21.04	20.84	22.50
100		1	271	20.76	20.91	20.84	22.50
100		135	0	20.44	20.66	20.48	22.00
100		135	69	20.81	21.02	20.87	22.50
100		135	138	20.31	20.58	20.39	22.00
100		270	0	20.29	20.51	20.46	22.00
100		1	1	20.68	20.89	20.82	22.50
100		1	137	20.74	20.97	20.83	22.50
100		1	271	20.71	20.89	20.76	22.50
100	QPSK	135	0	19.88	20.07	19.99	21.50
100		135	69	20.68	20.96	20.73	22.50
100		135	138	19.84	19.99	19.89	21.50
100		270	0	19.82	19.97	19.92	21.50
100	16QAM	1	1	19.79	19.98	19.86	21.50
100	64QAM	1	1	18.35	18.63	18.57	20.00
100	256QAM	1	1	16.55	16.83	16.44	18.00
Channel				649668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3743.02	3840	3949.98	
90	Pi2 BPSK	1	1	20.53	20.58	20.58	22.50
Channel				649334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	Pi2 BPSK	1	1	20.98	21.10	20.85	22.50
Channel				649000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	Pi2 BPSK	1	1	20.90	21.09	20.95	22.50
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	Pi2 BPSK	1	1	20.91	21.08	20.99	22.50
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3726.01	3840	3964.98	
50	Pi2 BPSK	1	1	20.87	21.11	20.92	22.50
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	Pi2 BPSK	1	1	20.87	21.13	20.98	22.50
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	Pi2 BPSK	1	1	21.00	20.99	20.96	22.50
Channel				647000	650000	654800	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3987.5	
25	Pi2 BPSK	1	1	20.88	21.05	20.99	22.50
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	Pi2 BPSK	1	1	21.01	20.99	20.98	22.50
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	Pi2 BPSK	1	1	21.00	21.11	20.92	22.50
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	Pi2 BPSK	1	1	20.93	21.08	20.95	22.50

<FR1 n77 (270)_HPUE_Ant 8_Full Power>							
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	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3190	3440	3640	
100	Pi2 BPSK	1	1	23.98	24.14	24.08	25.50
100		1	137	23.71	24.11	23.88	25.50
100		1	271	23.73	24.08	23.72	25.50
100		135	0	23.46	23.65	23.43	25.00
100		135	69	23.76	23.97	23.75	25.50
100		135	138	23.32	23.48	23.37	25.00
100		270	0	23.36	23.40	23.33	25.00
100		1	1	23.77	23.92	23.77	25.50
100		1	137	23.64	23.99	23.60	25.50
100		1	271	23.57	23.89	23.75	25.50
100	QPSK	135	0	22.83	23.00	22.95	24.50
100		135	69	23.71	23.95	23.83	25.50
100		135	138	22.84	23.00	22.91	24.50
100		270	0	22.79	22.89	22.83	24.50
100	16QAM	1	1	22.77	23.00	22.77	24.50
100	64QAM	1	1	21.46	21.59	21.49	23.00
100	256QAM	1	1	19.54	19.74	19.47	21.00
Channel				648668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3743.02	3840	3949.98	
90	Pi2 BPSK	1	1	23.87	24.08	24.04	25.50
Channel				648334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	Pi2 BPSK	1	1	23.85	24.13	24.04	25.50
Channel				648000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	Pi2 BPSK	1	1	23.97	24.09	24.06	25.50
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	Pi2 BPSK	1	1	23.98	24.08	24.01	25.50
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3726.01	3840	3964.98	
50	Pi2 BPSK	1	1	23.90	24.05	24.05	25.50
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	Pi2 BPSK	1	1	23.87	24.06	24.01	25.50
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	Pi2 BPSK	1	1	23.83	24.00	23.92	25.50
Channel				647000	650000	654800	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3987.5	
25	Pi2 BPSK	1	1	23.82	24.07	23.97	25.50
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	Pi2 BPSK	1	1	23.94	24.00	24.08	25.50
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	Pi2 BPSK	1	1	23.87	24.02	23.95	25.50
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	Pi2 BPSK	1	1	23.82	24.09	24.03	25.50



<FR1 n78 (270)_Ant 8_Full Power>							
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		21.10		22.50
100		1	137		20.93		22.50
100		1	271		20.82		22.50
100		135	0		20.55		22.00
100		135	69		20.94		22.50
100		135	138		20.47		22.00
100		270	0		20.39		22.00
100		1	1		20.83		22.50
100		1	137		20.55		22.50
100		1	271		20.79		22.50
100	QPSK	135	0		19.98		21.50
100		135	69		20.88		22.50
100		135	138		19.94		21.50
100		270	0		19.92		21.50
100	16QAM	1	1		19.87		21.50
100	64QAM	1	1		18.55		20.00
100	256QAM	1	1		16.58		18.00
Channel				648668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
80	Pi/2 BPSK	1	1		20.82	20.96	22.50
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	Tune-up Limit (dBm)
80	Pi/2 BPSK	1	1		20.78	20.91	22.50
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		20.84	20.91	22.50
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		20.78	20.87	22.50
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		20.84	20.84	22.50
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1		20.81	20.86	22.50
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		20.91	20.87	22.50
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
25	Pi/2 BPSK	1	1		20.84	20.82	22.50
Channel				647000	650000	652932	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
20	Pi/2 BPSK	1	1		20.91	20.91	22.50
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		20.78	20.95	22.50
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		20.87	20.92	22.50

<FR1 n78 (270)_HPUE_Ant 8_Full Power>							
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		24.04		27.00
100		1	137		23.97		27.00
100		1	271		23.96		27.00
100		135	0		23.54		26.50
100		135	69		23.94		27.00
100		135	138		23.43		26.50
100		270	0		23.38		26.50
100		1	1		23.82		27.00
100		1	137		23.93		27.00
100		1	271		23.77		27.00
100	QPSK	135	0		22.85		26.00
100		135	69		23.85		27.00
100		135	138		22.86		26.00
100		270	0		22.87		26.00
100	16QAM	1	1		22.91		26.00
100	64QAM	1	1		21.46		24.50
100	256QAM	1	1		19.70		22.50
Channel				648668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
80	Pi/2 BPSK	1	1		23.88	24.03	27.00
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	Tune-up Limit (dBm)
80	Pi/2 BPSK	1	1		23.82	23.94	27.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		23.83	24.03	27.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		23.85	24.02	27.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		23.72	24.01	27.00
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1		23.86	24.02	27.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		23.85	23.90	27.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
25	Pi/2 BPSK	1	1		23.75	23.94	27.00
Channel				647000	650000	652932	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
20	Pi/2 BPSK	1	1		23.73	24.04	27.00
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		23.85	23.93	27.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		23.78	23.93	27.00



<FR1 n77 (270)&FR1 n77 (270)_HPUE_Ant 4_Full Power>							
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	650000	652000	
Frequency (MHz)				3745.02	3840	3934.98	
100	Pi/2 BPSK	1	1	22.55	22.70	22.68	24.00
100		1	137	22.53	22.61	22.45	24.00
100		1	271	22.44	22.55	22.55	24.00
100		135	0	21.93	22.18	21.92	23.50
100		135	69	22.43	22.64	22.52	24.00
100		135	138	21.88	22.13	21.95	23.50
100		270	0	22.00	22.09	22.03	23.50
100		1	1	22.49	22.59	22.39	24.00
100		1	137	22.41	22.56	22.46	24.00
100		1	271	22.48	22.56	22.49	24.00
100	QPSK	135	0	21.62	21.72	21.64	23.00
100		135	69	22.34	22.61	22.45	24.00
100		135	138	21.45	21.61	21.50	23.00
100		270	0	21.60	21.62	21.59	23.00
100	16QAM	1	1	21.96	21.67	21.43	23.00
100	64QAM	1	1	20.15	20.26	20.13	21.50
100	256QAM	1	1	17.98	18.21	18.14	19.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	Pi/2 BPSK	1	1	22.55	22.62	22.60	24.00
Channel				648334	650000	650996	Tune-up Limit (dBm)
Frequency (MHz)				3745.01	3840	3939.99	
80	Pi/2 BPSK	1	1	22.51	22.61	22.53	24.00
Channel				649000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	Pi/2 BPSK	1	1	22.42	22.57	22.61	24.00
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	Pi/2 BPSK	1	1	22.43	22.59	22.54	24.00
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	Pi/2 BPSK	1	1	22.45	22.60	22.58	24.00
Channel				647900	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	Pi/2 BPSK	1	1	22.43	22.61	22.61	24.00
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	Pi/2 BPSK	1	1	22.41	22.66	22.62	24.00
Channel				647900	650000	654500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	Pi/2 BPSK	1	1	22.44	22.63	22.58	24.00
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	Pi/2 BPSK	1	1	22.54	22.69	22.57	24.00
Channel				647166	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	Pi/2 BPSK	1	1	22.43	22.65	22.57	24.00
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	Pi/2 BPSK	1	1	22.43	22.55	22.66	24.00

<FR1 n78 (270)&FR1 n78 (270)_HPUE_Ant 4_Full Power>							
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		22.59		24.00
100		1	137		22.54		24.00
100		1	271		22.48		24.00
100		135	0		22.04		23.50
100		135	69		22.54		24.00
100		135	138		22.06		23.50
100		270	0		21.99		23.50
100		1	1		22.59		24.00
100		1	137		22.54		24.00
100		1	271		22.52		24.00
100	QPSK	135	0		21.58		23.00
100		135	69		22.58		24.00
100		135	138		21.49		23.00
100		270	0		21.56		23.00
100	16QAM	1	1		21.52		23.00
100	64QAM	1	1		20.25		21.50
100	256QAM	1	1		18.10		19.50
Channel				648668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1		22.46	22.63	24.00
Channel				648334	650000	650996	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		22.42	22.62	24.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		22.48	22.56	24.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		22.51	22.62	24.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		22.46	22.52	24.00
Channel				649000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3760	
40	Pi/2 BPSK	1	1		22.43	22.62	24.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3764.98	
30	Pi/2 BPSK	1	1		22.47	22.55	24.00
Channel				647900	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3767.5	
25	Pi/2 BPSK	1	1		22.41	22.61	24.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3769.99	
20	Pi/2 BPSK	1	1		22.52	22.47	24.00
Channel				647166	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3762.48	
15	Pi/2 BPSK	1	1		22.53	22.59	24.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3765	
10	Pi/2 BPSK	1	1		22.52	22.53	24.00



Reduced Power Mode for PA (Reference Designator) DSI 2

~FR1 n41_Ant 0_DSI2~								
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	Tune-up Limit (dBm)	
Frequency (MHz)				2546.01	2592.99	2640		
100	Pi2 BPSK	1	1	22.10	22.19	22.12	23.00	
100		1	137	22.02	22.16	22.08	23.00	
100		1	271	21.95	22.01	21.91	23.00	
100		135	0	21.52	21.61	21.61	22.50	
100		135	69	22.00	22.06	21.94	23.00	
100		135	138	21.48	21.56	21.56	22.50	
100		270	0	21.56	21.63	21.57	22.50	
100		1	1	22.00	22.10	21.85	23.00	
100		1	137	21.93	22.03	21.85	23.00	
100		1	271	21.90	22.06	21.87	23.00	
100	QPSK	135	0	21.02	21.14	20.97	22.00	
100		135	69	21.86	21.95	21.94	23.00	
100		135	138	20.89	21.09	20.97	22.00	
100		270	0	20.97	21.11	20.87	22.00	
100		16QAM	1	20.86	21.07	20.87	22.00	
100		64QAM	1	19.65	19.74	19.46	20.50	
100		256QAM	1	17.49	17.59	17.55	18.50	
Channel				508200	518598	528996	Tune-up Limit (dBm)	
Frequency (MHz)				2541	2592.99	2644.98		
90	Pi2 BPSK	1	1	22.00	22.14	22.09	23.00	
Channel				507204	518598	529996	Tune-up Limit (dBm)	
Frequency (MHz)				2538.02	2592.99	2643.99		
80	Pi2 BPSK	1	1	21.95	22.07	22.00	23.00	
Channel				506202	518598	531000	Tune-up Limit (dBm)	
Frequency (MHz)				2531.01	2592.99	2650		
70	Pi2 BPSK	1	1	21.99	22.04	22.11	23.00	
Channel				505200	518598	531996	Tune-up Limit (dBm)	
Frequency (MHz)				2526	2592.99	2659.98		
60	Pi2 BPSK	1	1	21.96	22.08	21.99	23.00	
Channel				504204	518598	532998	Tune-up Limit (dBm)	
Frequency (MHz)				2521.02	2592.99	2664.99		
50	Pi2 BPSK	1	1	22.01	22.08	22.07	23.00	
Channel				503700	518598	533496	Tune-up Limit (dBm)	
Frequency (MHz)				2518.5	2592.99	2667.48		
45	Pi2 BPSK	1	1	21.97	22.08	22.06	23.00	
Channel				503202	518598	534000	Tune-up Limit (dBm)	
Frequency (MHz)				2516.01	2592.99	2670		
40	Pi2 BPSK	1	1	21.98	22.04	22.05	23.00	
Channel				502704	518598	534498	Tune-up Limit (dBm)	
Frequency (MHz)				2513.52	2592.99	2672.49		
35	Pi2 BPSK	1	1	22.00	22.05	22.07	23.00	
Channel				502200	518598	534996	Tune-up Limit (dBm)	
Frequency (MHz)				2511	2592.99	2674.98		
30	Pi2 BPSK	1	1	22.10	22.19	22.09	23.00	
Channel				501702	518598	535500	Tune-up Limit (dBm)	
Frequency (MHz)				2508.51	2592.99	2677.5		
25	Pi2 BPSK	1	1	21.97	22.13	21.97	23.00	
Channel				501204	518598	535998	Tune-up Limit (dBm)	
Frequency (MHz)				2506.02	2592.99	2679.99		
20	Pi2 BPSK	1	1	22.02	22.11	22.02	23.00	
Channel				500700	518598	536496	Tune-up Limit (dBm)	
Frequency (MHz)				2503.5	2592.99	2682.48		
15	Pi2 BPSK	1	1	21.96	22.17	21.99	23.00	
Channel				500202	518598	537000	Tune-up Limit (dBm)	
Frequency (MHz)				2501.01	2592.99	2685		
10	Pi2 BPSK	1	1	22.10	22.09	22.03	23.00	

FR1 n7_Ant 1_DS12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Midle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel				504000	507000	510000		
Frequency (MHz)				2528	2535	2550		
40	P12 BPSK	1	1	17.30	17.41	17.24	19.00	
40		1	108	17.38	17.35	17.33	19.00	
40		1	214	17.25	17.36	17.23	19.00	
40		108	0	17.23	17.32	17.34	19.00	
40		108	54	17.33	17.38	17.27	19.00	
40		108	108	17.30	17.30	17.23	19.00	
40		216	0	17.27	17.32	17.28	19.00	
40		1	1	17.25	17.34	17.23	19.00	
40		1	108	17.31	17.23	17.18	19.00	
40		1	214	17.20	17.31	17.22	19.00	
40	QPSK	108	0	17.11	17.16	17.20	19.00	
40		108	54	17.32	17.27	17.14	19.00	
40		108	108	17.15	17.27	17.11	19.00	
40		216	0	17.13	17.20	17.22	19.00	
40		16QAM	1	1	17.24	17.34	17.17	19.00
40		64QAM	1	1	17.25	17.35	17.20	19.00
40	256QAM	1	1	16.61	16.75	16.61	18.50	
Channel				503000	507000	510000	Tune-up Limit (dBm)	
Frequency (MHz)				2517.5	2535	2552.5		
35	P12 BPSK	1	1	17.27	17.39	17.13	19.00	
Channel				503000	507000	511000	Tune-up Limit (dBm)	
Frequency (MHz)				2515	2535	2555		
30	P12 BPSK	1	1	17.26	17.33	17.11	19.00	
Channel				502000	507000	511000	Tune-up Limit (dBm)	
Frequency (MHz)				2512.5	2535	2557.5		
25	P12 BPSK	1	1	17.27	17.27	17.19	19.00	
Channel				502000	507000	512000	Tune-up Limit (dBm)	
Frequency (MHz)				2510	2535	2560		
20	P12 BPSK	1	1	17.25	17.35	17.11	19.00	
Channel				501000	507000	512500	Tune-up Limit (dBm)	
Frequency (MHz)				2507.5	2535	2562.5		
15	P12 BPSK	1	1	17.16	17.40	17.19	19.00	
Channel				501000	507000	513000	Tune-up Limit (dBm)	
Frequency (MHz)				2505	2535	2565		
10	P12 BPSK	1	1	17.27	17.39	17.24	19.00	
Channel				500000	507000	513500	Tune-up Limit (dBm)	
Frequency (MHz)				2502.5	2535	2567.5		
5	P12 BPSK	1	1	17.25	17.39	17.21	19.00	



<FR1 n41_Ant 1_DS12>				Power	Power	Power	
BW [MHz]	Modulation	RB Size	RB Offset	Low	Mid-High	High	Tune-up Limit (dBm)
Channel				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	
Frequency (MHz)				509202	518598	525500	
100	Pi/2 BPSK	1	1	17.09	17.20	17.19	18.00
100		1	137	16.97	17.15	16.99	18.00
100		1	271	16.88	17.13	16.86	18.00
100		135	0	17.07	17.11	16.95	18.00
100		135	69	16.98	17.16	17.02	18.00
100		135	138	17.13	17.12	17.06	18.00
100		270	0	16.97	17.10	16.98	18.00
100		1	1	16.84	17.11	16.90	18.00
100		1	137	16.92	17.19	17.04	18.00
100		1	271	16.94	17.17	16.99	18.00
100	QPSK	135	0	16.92	17.07	17.05	18.00
100		135	69	16.92	16.98	16.86	18.00
100		135	138	16.84	17.05	16.93	18.00
100		270	0	17.04	17.00	16.97	18.00
100	16QAM	1	1	17.08	17.18	17.00	18.00
100	64QAM	1	1	16.99	17.13	16.90	18.00
100	256QAM	1	1	17.04	17.13	16.84	18.00
Channel				508200	518598	525996	Tune-up Limit (dBm)
Frequency (MHz)				254	2592.99	2644.98	
80	Pi/2 BPSK	1	1	17.02	17.15	17.03	18.00
Channel				507204	518598	525998	Tune-up Limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	Pi/2 BPSK	1	1	17.04	17.18	17.18	18.00
Channel				506202	518598	531000	Tune-up Limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	Pi/2 BPSK	1	1	16.94	17.29	17.07	18.00
Channel				505200	518598	531996	Tune-up Limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	Pi/2 BPSK	1	1	16.96	17.23	17.13	18.00
Channel				504204	518598	532998	Tune-up Limit (dBm)
Frequency (MHz)				2517.02	2592.99	2644.98	
50	Pi/2 BPSK	1	1	16.98	17.28	17.07	18.00
Channel				503700	518598	533496	Tune-up Limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	Pi/2 BPSK	1	1	16.99	17.28	17.11	18.00
Channel				503202	518598	534000	Tune-up Limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	Pi/2 BPSK	1	1	17.02	17.26	17.05	18.00
Channel				502704	518598	534498	Tune-up Limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	Pi/2 BPSK	1	1	17.01	17.26	17.04	18.00
Channel				502200	518598	534996	Tune-up Limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	Pi/2 BPSK	1	1	16.93	17.13	17.09	18.00
Channel				501702	518598	535500	Tune-up Limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	Pi/2 BPSK	1	1	17.07	17.21	17.14	18.00
Channel				501204	518598	535998	Tune-up Limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	Pi/2 BPSK	1	1	16.94	17.21	17.07	18.00
Channel				500700	518598	536496	Tune-up Limit (dBm)
Frequency (MHz)				2503.5	2592.99	2672.48	
15	Pi/2 BPSK	1	1	17.01	17.20	17.05	18.00
Channel				500202	518598	537000	Tune-up Limit (dBm)
Frequency (MHz)				2501.01	2592.99	2665	
10	Pi/2 BPSK	1	1	17.05	17.16	17.15	18.00

<FR1 n41_HPUE_Ant 1_DS12>				Power	Power	Power	
BW [MHz]	Modulation	RB Size	RB Offset	Low	Mid-High	High	Tune-up Limit (dBm)
Channel				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	
Frequency (MHz)				509202	518598	525500	
100	Pi/2 BPSK	1	1	20.17	20.35	20.26	21.00
100		1	137	20.01	20.07	20.03	21.00
100		1	271	19.81	20.18	19.89	21.00
100		135	0	20.07	20.05	19.87	21.00
100		135	69	19.95	20.21	20.00	21.00
100		135	138	20.21	20.12	20.03	21.00
100		270	0	19.99	20.08	19.99	21.00
100		1	1	19.83	20.13	19.83	21.00
100		1	137	19.88	20.27	20.09	21.00
100		1	271	19.82	20.08	20.06	21.00
100	QPSK	135	0	19.97	20.05	20.03	21.00
100		135	69	19.87	20.03	19.81	21.00
100		135	138	19.77	20.05	19.93	21.00
100		270	0	20.04	20.01	19.94	21.00
100	16QAM	1	1	20.02	20.22	19.98	21.00
100	64QAM	1	1	19.97	20.12	19.84	21.00
100	256QAM	1	1	20.08	20.11	19.92	21.00
Channel				508200	518598	525996	Tune-up Limit (dBm)
Frequency (MHz)				254	2592.99	2644.98	
80	Pi/2 BPSK	1	1	20.05	20.20	20.12	21.00
Channel				507204	518598	525998	Tune-up Limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	Pi/2 BPSK	1	1	20.19	20.27	20.11	21.00
Channel				506202	518598	531000	Tune-up Limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	Pi/2 BPSK	1	1	20.08	20.34	20.23	21.00
Channel				505200	518598	531996	Tune-up Limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	Pi/2 BPSK	1	1	20.05	20.23	20.24	21.00
Channel				504204	518598	532998	Tune-up Limit (dBm)
Frequency (MHz)				2517.02	2592.99	2644.98	
50	Pi/2 BPSK	1	1	20.17	20.27	20.12	21.00
Channel				503700	518598	533496	Tune-up Limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	Pi/2 BPSK	1	1	20.01	20.28	20.11	21.00
Channel				503202	518598	534000	Tune-up Limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	Pi/2 BPSK	1	1	20.11	20.35	20.18	21.00
Channel				502704	518598	534498	Tune-up Limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	Pi/2 BPSK	1	1	20.14	20.24	20.21	21.00
Channel				502200	518598	534996	Tune-up Limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	Pi/2 BPSK	1	1	20.01	20.25	20.13	21.00
Channel				501702	518598	535500	Tune-up Limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	Pi/2 BPSK	1	1	20.08	20.27	20.18	21.00
Channel				501204	518598	535998	Tune-up Limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	Pi/2 BPSK	1	1	20.07	20.26	20.17	21.00
Channel				500700	518598	536496	Tune-up Limit (dBm)
Frequency (MHz)				2503.5	2592.99	2672.48	
15	Pi/2 BPSK	1	1	20.14	20.21	20.11	21.00
Channel				500202	518598	537000	Tune-up Limit (dBm)
Frequency (MHz)				2501.01	2592.99	2665	
10	Pi/2 BPSK	1	1	20.14	20.25	20.23	21.00



<FR1 n25_Ant 2_DS12>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up Limit (dBm)
Channel				1800	1882.5	1960	
Frequency (MHz)							
40	Pi/2 BPSK	1	1	21.31	21.49	21.34	23.00
40		1	108	21.35	21.44	21.31	23.00
40		1	214	21.30	21.36	21.33	23.00
40		108	0	20.89	21.00	20.68	22.50
40		108	54	21.11	21.25	21.23	23.00
40		108	108	20.63	20.78	20.91	22.50
40		216	0	20.90	20.72	20.69	22.50
40		1	1	21.34	21.33	21.33	23.00
40		1	108	21.32	21.30	21.23	23.00
40		1	214	21.36	21.28	21.33	23.00
40	QPSK	108	0	20.40	20.53	20.39	22.00
40		108	54	21.21	21.32	21.21	23.00
40		108	108	20.21	20.46	20.34	22.00
40		216	0	20.27	20.48	20.38	22.00
40	16QAM	1	1	20.30	20.48	20.36	22.00
40	64QAM	1	1	18.95	18.90	18.73	20.50
40	256QAM	1	1	16.69	16.68	16.70	18.50
Channel				373000	376500	379500	Tune-up Limit (dBm)
Frequency (MHz)				1897.5	1882.5	1897.5	
38	Pi/2 BPSK	1	1	21.27	21.37	21.24	23.00
Channel				373000	376500	380000	Tune-up Limit (dBm)
Frequency (MHz)				1896	1882.5	1900	
30	Pi/2 BPSK	1	1	21.26	21.38	21.31	23.00
Channel				373000	376500	380500	Tune-up Limit (dBm)
Frequency (MHz)				1882.5	1882.5	1902.5	
25	Pi/2 BPSK	1	1	21.28	21.44	21.29	23.00
Channel				372000	376500	381000	Tune-up Limit (dBm)
Frequency (MHz)				1890	1882.5	1905	
20	Pi/2 BPSK	1	1	21.17	21.42	21.28	23.00
Channel				371500	376500	381500	Tune-up Limit (dBm)
Frequency (MHz)				1897.5	1882.5	1907.5	
15	Pi/2 BPSK	1	1	21.11	21.40	21.24	23.00
Channel				371000	376500	382000	Tune-up Limit (dBm)
Frequency (MHz)				1896	1882.5	1910	
10	Pi/2 BPSK	1	1	21.24	21.38	21.23	23.00
Channel				370500	376500	382500	Tune-up Limit (dBm)
Frequency (MHz)				1882.5	1882.5	1912.5	
5	Pi/2 BPSK	1	1	21.27	21.36	21.18	23.00

<FR1 n66_Ant 2_DS12>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up Limit (dBm)
Channel				345000	349000	351000	
Frequency (MHz)				1722.5	1745	1767.5	
45	PI2 BPSK	1	1	21.87	21.96	21.98	23.00
45		1	120	21.85	21.80	21.78	23.00
45		1	240	21.74	21.85	21.68	23.00
45		120	0	21.14	21.28	20.99	22.50
45		120	60	21.74	21.78	21.68	23.00
45		120	120	21.12	21.19	21.22	22.50
45		240	0	21.19	21.25	21.21	22.50
45		1	1	21.85	21.88	21.64	23.00
45		1	120	21.84	21.96	21.86	23.00
45		1	240	21.72	21.81	21.76	23.00
45	QPSK	120	0	20.72	20.81	20.77	22.00
45		120	60	21.77	21.91	21.79	23.00
45		120	120	20.69	20.69	20.72	22.00
45		240	0	20.67	20.92	20.80	22.00
45	16QAM	1	1	20.76	20.85	20.83	22.00
45	64QAM	1	1	19.16	19.38	19.22	20.50
45	256QAM	1	1	17.00	17.09	17.07	18.50
Channel				346000	349000	352000	Tune-up Limit (dBm)
Frequency (MHz)				1735	1745	1765	
40	PI2 BPSK	1	1	21.74	21.87	21.96	23.00
Channel				345500	349000	352500	Tune-up Limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	PI2 BPSK	1	1	21.85	21.92	21.87	23.00
Channel				345000	349000	353000	Tune-up Limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI2 BPSK	1	1	21.88	21.99	21.86	23.00
Channel				344500	349000	353500	Tune-up Limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI2 BPSK	1	1	21.76	21.97	21.82	23.00
Channel				344000	349000	354000	Tune-up Limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI2 BPSK	1	1	21.79	21.87	21.94	23.00
Channel				343500	349000	354500	Tune-up Limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI2 BPSK	1	1	21.79	21.97	21.83	23.00
Channel				343000	349000	355000	Tune-up Limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI2 BPSK	1	1	21.86	21.98	21.92	23.00
Channel				342500	349000	355500	Tune-up Limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI2 BPSK	1	1	21.76	21.89	21.93	23.00



«FR1 n77 (270)_Ant 7_DSIS»							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				65000	65000	65000	Tune-up Limit (dBm)
Frequency (MHz)				3792	3840	3890	
100	Pi2 BPSK	1	1	17.51	17.60	17.53	18.10
100		1	137	17.49	17.47	17.48	18.10
100		1	271	17.45	17.50	17.37	18.10
100		135	0	17.45	17.47	17.38	18.10
100		135	69	17.47	17.58	17.45	18.10
100		135	138	17.47	17.45	17.51	18.10
100		270	0	17.49	17.51	17.51	18.10
100		1	1	17.47	17.54	17.47	18.10
100		1	137	17.57	17.56	17.45	18.10
100		1	271	17.48	17.50	17.49	18.10
100	QPSK	135	0	17.44	17.57	17.53	18.10
100		135	69	17.46	17.55	17.38	18.10
100		135	138	17.48	17.51	17.39	18.10
100		270	0	17.41	17.51	17.52	18.10
100	16QAM	1	1	17.37	17.50	17.44	18.10
100	64QAM	1	1	17.43	17.46	17.40	18.10
100	256QAM	1	1	17.46	17.52	17.47	18.10
Channel				648668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
80	Pi2 BPSK	1	1	17.42	17.50	17.49	18.10
Channel				648334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	Pi2 BPSK	1	1	17.35	17.54	17.48	18.10
Channel				648000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	Pi2 BPSK	1	1	17.35	17.49	17.40	18.10
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3735.02	3840	3940.98	
60	Pi2 BPSK	1	1	17.38	17.59	17.43	18.10
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	Pi2 BPSK	1	1	17.38	17.46	17.52	18.10
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	Pi2 BPSK	1	1	17.45	17.59	17.43	18.10
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3954.98	
30	Pi2 BPSK	1	1	17.38	17.59	17.39	18.10
Channel				647668	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	Pi2 BPSK	1	1	17.42	17.56	17.40	18.10
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	Pi2 BPSK	1	1	17.46	17.54	17.45	18.10
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	Pi2 BPSK	1	1	17.48	17.48	17.39	18.10
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	Pi2 BPSK	1	1	17.47	17.51	17.40	18.10

«FR1 n77 (270)_HPUE_Ant 7_DSIS»							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				65000	65000	65000	Tune-up Limit (dBm)
Frequency (MHz)				3790	3840	3930	
100	Pi2 BPSK	1	1	20.49	20.63	20.51	21.10
100		1	137	20.46	20.42	20.54	21.10
100		1	271	20.49	20.49	20.31	21.10
100		135	0	20.42	20.44	20.31	21.10
100		135	69	20.45	20.61	20.48	21.10
100		135	138	20.50	20.41	20.54	21.10
100		270	0	20.56	20.51	20.51	21.10
100		1	1	20.50	20.55	20.39	21.10
100		1	137	20.32	20.63	20.51	21.10
100		1	271	20.45	20.46	20.44	21.10
100	QPSK	135	0	20.38	20.61	20.56	21.10
100		135	69	20.44	20.50	20.35	21.10
100		135	138	20.47	20.50	20.40	21.10
100		270	0	20.42	20.59	20.48	21.10
100	16QAM	1	1	20.44	20.54	20.52	21.10
100	64QAM	1	1	20.37	20.42	20.32	21.10
100	256QAM	1	1	19.86	19.87	19.97	20.55
Channel				650000	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
80	Pi2 BPSK	1	1	20.50	20.46	20.45	21.10
Channel				648334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	Pi2 BPSK	1	1	20.45	20.43	20.49	21.10
Channel				648000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	Pi2 BPSK	1	1	20.39	20.52	20.44	21.10
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3735.02	3840	3940.98	
60	Pi2 BPSK	1	1	20.41	20.51	20.41	21.10
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	Pi2 BPSK	1	1	20.42	20.45	20.49	21.10
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	Pi2 BPSK	1	1	20.38	20.48	20.50	21.10
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3954.98	
30	Pi2 BPSK	1	1	20.44	20.53	20.54	21.10
Channel				647000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	Pi2 BPSK	1	1	20.36	20.56	20.56	21.10
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	Pi2 BPSK	1	1	20.39	20.50	20.54	21.10
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	Pi2 BPSK	1	1	20.42	20.50	20.50	21.10
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	Pi2 BPSK	1	1	20.40	20.48	20.55	21.10

<FR1 n77 (270)&FR1 n77 (270)_HPUE_Ant 5_DSIS2>				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up Limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset				
Channel				650000	650000	650000	
Frequency (MHz)				3750	3840	3930	
100	Pi/2 BPSK	1	1	17.81	17.85	17.84	19.20
100		1	137	17.80	17.87	17.72	19.20
100		1	271	17.73	17.73	17.69	19.20
100		135	0	17.79	17.82	17.79	19.20
100		135	69	17.87	17.86	17.76	19.20
100		135	138	17.66	17.78	17.77	19.20
100		270	0	17.81	17.75	17.72	19.20
100		1	1	17.79	17.82	17.79	19.20
100		1	137	17.87	17.76	17.79	19.20
100		1	271	17.69	17.72	17.69	19.20
100	QPSK	135	0	17.89	17.73	17.82	19.20
100		135	69	17.77	17.80	17.74	19.20
100		135	138	17.69	17.77	17.69	19.20
100		270	0	17.85	17.78	17.81	19.20
100		1	1	17.87	17.83	17.81	19.20
100	64QAM	1	1	17.68	17.86	17.83	19.20
100	256QAM	1	1	17.71	17.76	17.72	19.20
Channel				648668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3725.02	3840	3934.98	
80	Pi/2 BPSK	1	1	17.70	17.81	17.72	19.20
Channel				648334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3840	3935.99	
80	Pi/2 BPSK	1	1	17.78	17.88	17.76	19.20
Channel				649000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	Pi/2 BPSK	1	1	17.72	17.86	17.73	19.20
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	Pi/2 BPSK	1	1	17.77	17.82	17.79	19.20
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	Pi/2 BPSK	1	1	17.79	17.73	17.79	19.20
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	Pi/2 BPSK	1	1	17.69	17.84	17.74	19.20
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	Pi/2 BPSK	1	1	17.72	17.81	17.78	19.20
Channel				647000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	Pi/2 BPSK	1	1	17.75	17.82	17.82	19.20
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	Pi/2 BPSK	1	1	17.80	17.73	17.79	19.20
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	Pi/2 BPSK	1	1	17.78	17.85	17.81	19.20
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	Pi/2 BPSK	1	1	17.86	17.77	17.84	19.20

<FR1 n78 (270)&FR1 n78 (270)_HPUE_Ant 5_DSIS2>				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up Limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset				
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	Pi/2 BPSK	1	1	17.80	17.85	17.80	19.20
100		1	137	17.78	17.78	17.78	19.20
100		1	271	17.62	17.62	17.62	19.20
100		135	0	17.79	17.79	17.79	19.20
100		135	69	17.79	17.79	17.79	19.20
100		135	138	17.76	17.76	17.76	19.20
100		270	0	17.81	17.81	17.81	19.20
100		1	1	17.72	17.72	17.72	19.20
100		1	137	17.65	17.65	17.65	19.20
100		1	271	17.63	17.63	17.63	19.20
100	QPSK	135	0	17.64	17.64	17.64	19.20
100		135	69	17.78	17.78	17.78	19.20
100		135	138	17.63	17.63	17.63	19.20
100		270	0	17.64	17.64	17.64	19.20
100		1	1	17.78	17.78	17.78	19.20
100	16QAM	1	1	17.78	17.78	17.78	19.20
100	64QAM	1	1	17.73	17.73	17.73	19.20
100	256QAM	1	1	17.75	17.75	17.75	19.20
Channel				648668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3742.02	3750	3752.98	
80	Pi/2 BPSK	1	1	17.68	17.65	17.69	19.20
Channel				648334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	17.65	17.67	17.83	19.20
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	17.58	17.81	17.62	19.20
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1	17.65	17.65	17.62	19.20
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	17.65	17.66	17.64	19.20
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3760	
40	Pi/2 BPSK	1	1	17.61	17.69	17.83	19.20
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	17.65	17.69	17.72	19.20
Channel				647000	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	17.66	17.67	17.71	19.20
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	17.65	17.65	17.65	19.20
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	17.55	17.69	17.68	19.20
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	17.57	17.74	17.68	19.20



<FR1 n77 (Z70)_Ant 8_DS12>					Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up Limit (dBm)
BW (MHz)	Modulation	RB Size	RB Offset	Channel Frequency (MHz)	650000 3790	650000 3840	650000 3900	
100	Pi/2 BPSK	1	1	19.50	19.67	19.52	21.00	
100		1	137	19.41	19.64	19.51	21.00	
100		1	271	19.46	19.66	19.36	21.00	
100		135	0	19.45	19.51	19.43	21.00	
100		135	69	19.56	19.65	19.53	21.00	
100		135	138	19.50	19.57	19.45	21.00	
100		270	0	19.40	19.67	19.51	21.00	
100		1	1	19.42	19.57	19.49	21.00	
100		1	137	19.46	19.54	19.30	21.00	
100		1	271	19.43	19.61	19.44	21.00	
100	QPSK	135	0	19.42	19.63	19.50	21.00	
100		135	69	19.44	19.67	19.37	21.00	
100		135	138	19.49	19.63	19.36	21.00	
100		270	0	19.49	19.62	19.47	21.00	
100	16QAM	1	1	19.40	19.58	19.46	21.00	
100	64QAM	1	1	18.35	18.63	18.57	20.00	
100	256QAM	1	1	16.55	16.63	16.44	18.00	
Channel					648668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)					3745.02	3840	3933.99	
90	Pi/2 BPSK	1	1	19.42	19.57	19.50	21.00	
Channel					648334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)					3740.01	3840	3939.99	
80	Pi/2 BPSK	1	1	19.44	19.56	19.43	21.00	
Channel					648000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)					3735	3840	3945	
70	Pi/2 BPSK	1	1	19.41	19.59	19.37	21.00	
Channel					648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)					3730.02	3840	3949.98	
60	Pi/2 BPSK	1	1	19.36	19.59	19.51	21.00	
Channel					648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)					3725.01	3840	3954.99	
50	Pi/2 BPSK	1	1	19.44	19.57	19.44	21.00	
Channel					648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)					3720	3840	3960	
40	Pi/2 BPSK	1	1	19.36	19.56	19.51	21.00	
Channel					647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)					3715.02	3840	3964.98	
30	Pi/2 BPSK	1	1	19.36	19.60	19.46	21.00	
Channel					647500	650000	654500	Tune-up Limit (dBm)
Frequency (MHz)					3712.5	3840	3967.5	
25	Pi/2 BPSK	1	1	19.35	19.60	19.46	21.00	
Channel					647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)					3710.01	3840	3969.99	
20	Pi/2 BPSK	1	1	19.49	19.66	19.43	21.00	
Channel					647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)					3707.52	3840	3972.48	
15	Pi/2 BPSK	1	1	19.37	19.66	19.50	21.00	
Channel					647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)					3705	3840	3975	
10	Pi/2 BPSK	1	1	19.38	19.54	19.42	21.00	

<FR1 n77 (Z70)_HPUE_Ant 8_DS12>					Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up Limit (dBm)
BW (MHz)	Modulation	RB Size	RB Offset	Channel Frequency (MHz)	650000 3790	650000 3840	650000 3900	
100	Pi/2 BPSK	1	1	22.48	22.70	22.52	24.00	
100		1	137	22.42	22.66	22.57	24.00	
100		1	271	22.52	22.59	22.32	24.00	
100		135	0	22.50	22.44	22.37	24.00	
100		135	69	22.58	22.63	22.51	24.00	
100		135	138	22.45	22.60	22.38	24.00	
100		270	0	22.41	22.65	22.48	24.00	
100		1	1	22.44	22.63	22.48	24.00	
100		1	137	22.46	22.58	22.36	24.00	
100		1	271	22.39	22.54	22.51	24.00	
100	QPSK	135	0	22.44	22.67	22.57	24.00	
100		135	69	22.37	22.62	22.34	24.00	
100		135	138	22.42	22.69	22.33	24.00	
100		270	0	22.57	22.60	22.50	24.00	
100	16QAM	1	1	22.47	22.63	22.43	24.00	
100	64QAM	1	1	21.46	21.59	21.49	23.00	
100	256QAM	1	1	19.54	19.74	19.47	21.00	
Channel					648668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)					3745.02	3840	3933.99	
90	Pi/2 BPSK	1	1	22.35	22.59	22.33	24.00	
Channel					648334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)					3740.01	3840	3939.99	
80	Pi/2 BPSK	1	1	22.40	22.67	22.36	24.00	
Channel					648000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)					3735	3840	3945	
70	Pi/2 BPSK	1	1	22.33	22.68	22.44	24.00	
Channel					648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)					3730.02	3840	3949.98	
60	Pi/2 BPSK	1	1	22.34	22.69	22.44	24.00	
Channel					648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)					3725.01	3840	3954.99	
50	Pi/2 BPSK	1	1	22.47	22.65	22.41	24.00	
Channel					648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)					3720	3840	3960	
40	Pi/2 BPSK	1	1	22.39	22.69	22.45	24.00	
Channel					647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)					3715.02	3840	3964.98	
30	Pi/2 BPSK	1	1	22.41	22.57	22.36	24.00	
Channel					647500	650000	654500	Tune-up Limit (dBm)
Frequency (MHz)					3712.5	3840	3967.5	
25	Pi/2 BPSK	1	1	22.44	22.59	22.49	24.00	
Channel					647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)					3710.01	3840	3969.99	
20	Pi/2 BPSK	1	1	22.44	22.70	22.39	24.00	
Channel					647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)					3707.52	3840	3972.48	
15	Pi/2 BPSK	1	1	22.34	22.68	22.40	24.00	
Channel					647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)					3705	3840	3975	
10	Pi/2 BPSK	1	1	22.46	22.65	22.46	24.00	

<FR1 n78 (270)_Ant 8_DSIS2>

Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
1	1	1	21.00
100	1	137	21.00
100	1	271	21.00
100	135	0	21.00
100	135	69	21.00
100	135	138	21.00
100	270	0	21.00
100	1	1	21.00
100	1	137	21.00
100	1	271	21.00
100	135	0	21.00
100	135	69	21.00
100	135	138	21.00
100	270	0	21.00
100	16QAM	1	21.00
100	64QAM	1	20.00
100	256QAM	1	18.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
90	1	1	21.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
80	1	1	21.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
70	1	1	21.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
60	1	1	21.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
50	1	1	21.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
40	1	1	21.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
30	1	1	21.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
25	1	1	21.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
20	1	1	21.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
15	1	1	21.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
10	1	1	21.00

<FR1 n78 (270)_HPUE_Ant 8_DSIS2>

Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
100	1	1	24.00
100	1	137	24.00
100	1	271	24.00
100	135	0	24.00
100	135	69	24.00
100	135	138	24.00
100	270	0	24.00
100	1	1	24.00
100	1	137	24.00
100	1	271	24.00
100	135	0	24.00
100	135	69	24.00
100	135	138	24.00
100	270	0	24.00
100	16QAM	1	24.00
100	64QAM	1	23.00
100	256QAM	1	21.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
90	1	1	24.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
80	1	1	24.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
70	1	1	24.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
60	1	1	24.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
50	1	1	24.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
40	1	1	24.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
30	1	1	24.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
25	1	1	24.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
20	1	1	24.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
15	1	1	24.00
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
10	1	1	24.00



<FR1 n77 (270)&FR1 n77 (270)_HPUE_Ant 4_DSIS2>							
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	650000	650000	
Frequency (MHz)				3750	3840	3930	
100	Pi/2 BPSK	1	1	19.22	19.35	19.35	20.70
100		1	137	19.22	19.27	19.24	20.70
100		1	271	19.23	19.42	19.29	20.70
100		135	0	19.17	19.40	19.24	20.70
100		135	69	19.13	19.35	19.23	20.70
100		135	138	19.15	19.38	19.26	20.70
100		270	0	19.16	19.34	19.35	20.70
100		1	1	19.21	19.39	19.35	20.70
100		1	137	19.25	19.40	19.35	20.70
100		1	271	19.23	19.35	19.31	20.70
100	QPSK	135	0	19.21	19.30	19.24	20.70
100		135	69	19.25	19.31	19.25	20.70
100		135	138	19.17	19.32	19.38	20.70
100		270	0	19.18	19.39	19.29	20.70
100	16QAM	1	1	19.09	19.40	19.29	20.70
100	64QAM	1	1	19.24	19.39	19.28	20.70
100	256QAM	1	1	17.98	18.21	18.14	19.50
Channel				648668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3725.02	3840	3934.98	
80	Pi/2 BPSK	1	1	19.24	19.39	19.31	20.70
Channel				648334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3840	3935.99	
80	Pi/2 BPSK	1	1	19.24	19.42	19.26	20.70
Channel				649000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	Pi/2 BPSK	1	1	19.20	19.27	19.39	20.70
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
80	Pi/2 BPSK	1	1	19.09	19.29	19.32	20.70
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	Pi/2 BPSK	1	1	19.19	19.42	19.23	20.70
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	Pi/2 BPSK	1	1	19.15	19.27	19.28	20.70
Channel				647868	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	Pi/2 BPSK	1	1	19.24	19.30	19.34	20.70
Channel				647500	650000	654500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	Pi/2 BPSK	1	1	19.22	19.32	19.34	20.70
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	Pi/2 BPSK	1	1	19.16	19.27	19.25	20.70
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	Pi/2 BPSK	1	1	19.23	19.39	19.35	20.70
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	Pi/2 BPSK	1	1	19.16	19.32	19.37	20.70

<FR1 n78 (270)&FR1 n78 (270)_HPUE_Ant 4_DSIS2>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up Limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		19.35		20.70
100		1	137		19.19		20.70
100		1	271		19.35		20.70
100		135	0		19.28		20.70
100		135	69		19.33		20.70
100		135	138		19.27		20.70
100		270	0		19.26		20.70
100		1	1		19.27		20.70
100		1	137		19.30		20.70
100		1	271		19.30		20.70
100	QPSK	135	0		19.15		20.70
100		135	69		19.16		20.70
100		135	138		19.16		20.70
100		270	0		19.28		20.70
100	16QAM	1	1		19.32		20.70
100	64QAM	1	1		19.34		20.70
100	256QAM	1	1		18.10		19.50
Channel				648668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
80	Pi/2 BPSK	1	1	19.09	19.34	19.21	20.70
Channel				648334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	19.23	19.36	19.23	20.70
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	19.14	19.30	19.23	20.70
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1	19.12	19.34	19.31	20.70
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	19.12	19.23	19.28	20.70
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3760	
40	Pi/2 BPSK	1	1	19.18	19.28	19.21	20.70
Channel				647868	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	19.22	19.27	19.28	20.70
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	19.21	19.38	19.24	20.70
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	19.11	19.32	19.20	20.70
Channel				647168	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	19.14	19.31	19.23	20.70
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	19.14	19.25	19.19	20.70



Reduced Power Mode for PA (Reference Designator) DSI 3

<FR1 n41_Ant 0_DSI3>							
BR [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	Tune-up Limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	Pi2 BPSK	1	1	22.19	22.19	22.12	23.00
100		1	137	22.02	22.19	22.08	23.00
100		1	271	21.95	22.01	21.91	23.00
100		135	0	21.52	21.61	21.61	22.50
100		135	69	22.00	22.06	21.94	23.00
100		135	138	21.48	21.56	21.56	22.50
100	QPSK	270	0	21.56	21.63	21.67	22.50
100		1	1	22.00	22.10	21.80	23.00
100		1	137	21.93	22.03	21.85	23.00
100		1	271	21.50	22.06	21.87	23.00
100		135	0	21.02	21.14	20.97	22.00
100		135	69	21.86	21.95	21.94	23.00
100	16QAM	135	138	20.58	21.09	20.97	22.00
100		270	0	20.97	21.11	20.87	22.00
100	64QAM	1	1	20.86	21.07	20.87	22.00
100	256QAM	1	1	19.65	19.74	19.46	20.50
100	256QAM	1	1	17.49	17.59	17.54	18.50
Channel				508200	518598	528996	Tune-up Limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	Pi2 BPSK	1	1	22.00	22.14	22.09	23.00
Channel				507204	518598	529998	Tune-up Limit (dBm)
Frequency (MHz)				2538.02	2592.99	2649.99	
80	Pi2 BPSK	1	1	21.95	22.07	22.00	23.00
Channel				506202	518598	531000	Tune-up Limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	Pi2 BPSK	1	1	21.99	22.04	22.11	23.00
Channel				505200	518598	531996	Tune-up Limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	Pi2 BPSK	1	1	21.96	22.08	21.99	23.00
Channel				504204	518598	532998	Tune-up Limit (dBm)
Frequency (MHz)				2521.02	2592.99	2654.99	
50	Pi2 BPSK	1	1	22.01	22.08	22.07	23.00
Channel				503700	518598	533496	Tune-up Limit (dBm)
Frequency (MHz)				2516.5	2592.99	2657.46	
45	Pi2 BPSK	1	1	21.97	22.09	22.06	23.00
Channel				503002	518598	534000	Tune-up Limit (dBm)
Frequency (MHz)				2515.01	2592.99	2670	
40	Pi2 BPSK	1	1	21.98	22.04	22.06	23.00
Channel				502704	518598	534498	Tune-up Limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	Pi2 BPSK	1	1	22.00	22.05	22.07	23.00
Channel				502200	518598	534996	Tune-up Limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	Pi2 BPSK	1	1	22.10	22.19	22.09	23.00
Channel				501702	518598	535500	Tune-up Limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	Pi2 BPSK	1	1	21.97	22.13	21.97	23.00
Channel				501204	518598	535998	Tune-up Limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	Pi2 BPSK	1	1	22.02	22.11	22.02	23.00
Channel				500700	518598	536496	Tune-up Limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	Pi2 BPSK	1	1	21.96	22.17	21.99	23.00
Channel				500202	518598	537000	Tune-up Limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	Pi2 BPSK	1	1	22.10	22.09	22.03	23.00

FR1 n7_Ant 1_DSIS>								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	P12 BPSK	1	1	17.93	18.06	17.94	19.70	
40		1	108	17.78	17.93	17.79	19.70	
40		1	214	17.88	18.02	17.93	19.70	
40		108	0	17.88	17.95	17.85	19.70	
40		108	54	17.90	18.05	17.93	19.70	
40		108	108	17.81	18.01	17.84	19.70	
40		216	0	17.84	17.98	17.84	19.70	
40		1	1	17.84	17.88	17.79	19.70	
40		1	108	17.84	18.02	17.90	19.70	
40		1	214	17.81	18.09	17.88	19.70	
40	QPSK	108	0	17.93	18.02	17.93	19.70	
40		108	54	17.84	18.05	17.93	19.70	
40		108	108	17.85	18.06	17.83	19.70	
40		216	0	17.85	18.07	17.92	19.70	
40		16QAM	1	1	17.90	18.01	17.79	19.70
40		64QAM	1	1	17.86	18.05	17.79	19.70
40	256QAM	1	1	16.61	16.75	16.61	18.50	
Channel				503500	507000	510500		
Frequency (MHz)				2517.5	2535	2552.5	Tune-up Limit (dBm)	
35	P12 BPSK	1	1	17.78	18.08	17.89	19.70	
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	P12 BPSK	1	1	17.81	18.08	17.92	19.70	
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5	Tune-up Limit (dBm)	
25	P12 BPSK	1	1	17.83	18.05	17.92	19.70	
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560	Tune-up Limit (dBm)	
20	P12 BPSK	1	1	17.88	17.99	17.83	19.70	
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	Tune-up Limit (dBm)	
15	P12 BPSK	1	1	17.92	18.05	17.89	19.70	
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565	Tune-up Limit (dBm)	
10	P12 BPSK	1	1	17.88	18.07	17.79	19.70	
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5	Tune-up Limit (dBm)	
5	P12 BPSK	1	1	17.83	18.05	17.78	19.70	



<FR1 n41_Ant 1_DSIS>				Power	Power	Power	
BW [MHz]	Modulation	RB Size	RB Offset	Low	Mid-High	High	Tune-up Limit (dBm)
Channel				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	
Frequency (MHz)				509202	518598	528598	
100	Pi/2 BPSK	1	1	17.34	17.32	17.33	19.20
100		1	137	17.28	17.37	17.32	19.20
100		1	271	17.25	17.36	17.22	19.20
100		135	0	17.32	17.41	17.27	19.20
100		135	69	17.27	17.38	17.31	19.20
100		135	138	17.25	17.32	17.27	19.20
100		270	0	17.28	17.32	17.30	19.20
100		1	1	17.30	17.38	17.35	19.20
100		1	137	17.25	17.31	17.21	19.20
100		1	271	17.10	17.18	17.04	19.20
100	QPSK	135	0	17.21	17.29	17.19	19.20
100		135	69	17.21	17.32	17.27	19.20
100		135	138	17.22	17.32	17.11	19.20
100		270	0	17.18	17.39	17.23	19.20
100	16QAM	1	1	17.11	17.22	17.27	19.20
100	64QAM	1	1	17.10	17.21	17.20	19.20
100	256QAM	1	1	17.24	17.20	17.18	19.20
Channel				508200	518598	528598	Tune-up Limit (dBm)
Frequency (MHz)				254	2592.99	2644.98	
80	Pi/2 BPSK	1	1	17.23	17.27	17.30	19.20
Channel				507204	518598	529598	Tune-up Limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	Pi/2 BPSK	1	1	17.30	17.38	17.26	19.20
Channel				506202	518598	531000	Tune-up Limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	Pi/2 BPSK	1	1	17.21	17.34	17.21	19.20
Channel				505200	518598	531996	Tune-up Limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	Pi/2 BPSK	1	1	17.21	17.35	17.30	19.20
Channel				504204	518598	532998	Tune-up Limit (dBm)
Frequency (MHz)				2517.02	2592.99	2644.98	
50	Pi/2 BPSK	1	1	17.26	17.25	17.19	19.20
Channel				503700	518598	533496	Tune-up Limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	Pi/2 BPSK	1	1	17.27	17.32	17.21	19.20
Channel				503202	518598	534000	Tune-up Limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	Pi/2 BPSK	1	1	17.26	17.29	17.22	19.20
Channel				502704	518598	534498	Tune-up Limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	Pi/2 BPSK	1	1	17.23	17.29	17.16	19.20
Channel				502200	518598	534996	Tune-up Limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	Pi/2 BPSK	1	1	17.31	17.30	17.25	19.20
Channel				501702	518598	535500	Tune-up Limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	Pi/2 BPSK	1	1	17.32	17.27	17.20	19.20
Channel				501204	518598	535998	Tune-up Limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	Pi/2 BPSK	1	1	17.24	17.36	17.16	19.20
Channel				500700	518598	536496	Tune-up Limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	Pi/2 BPSK	1	1	17.21	17.30	17.11	19.20
Channel				500202	518598	537000	Tune-up Limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	Pi/2 BPSK	1	1	17.28	17.35	17.29	19.20

<FR1 n41_HPUE_Ant 1_DSIS>				Power	Power	Power	
BW [MHz]	Modulation	RB Size	RB Offset	Low	Mid-High	High	Tune-up Limit (dBm)
Channel				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	
Frequency (MHz)				509202	518598	528598	
100	Pi/2 BPSK	1	1	20.27	20.45	20.40	22.20
100		1	137	20.22	20.31	20.33	22.20
100		1	271	20.22	20.33	20.14	22.20
100		135	0	20.28	20.40	20.24	22.20
100		135	69	20.30	20.45	20.33	22.20
100		135	138	20.25	20.31	20.26	22.20
100		270	0	20.32	20.29	20.26	22.20
100		1	1	20.25	20.35	20.28	22.20
100		1	137	20.18	20.39	20.20	22.20
100		1	271	20.16	20.17	20.08	22.20
100	QPSK	135	0	20.17	20.25	20.16	22.20
100		135	69	20.14	20.35	20.34	22.20
100		135	138	20.20	20.32	20.04	22.20
100		270	0	20.18	20.32	20.25	22.20
100	16QAM	1	1	20.09	20.15	20.21	22.20
100	64QAM	1	1	20.04	20.16	20.17	22.20
100	256QAM	1	1	20.21	20.18	20.22	22.20
Channel				508200	518598	528598	Tune-up Limit (dBm)
Frequency (MHz)				254	2592.99	2644.98	
80	Pi/2 BPSK	1	1	20.34	20.42	20.36	22.20
Channel				507204	518598	529598	Tune-up Limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	Pi/2 BPSK	1	1	20.31	20.54	20.41	22.20
Channel				506202	518598	531000	Tune-up Limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	Pi/2 BPSK	1	1	20.26	20.45	20.40	22.20
Channel				505200	518598	531996	Tune-up Limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	Pi/2 BPSK	1	1	20.34	20.42	20.43	22.20
Channel				504204	518598	532998	Tune-up Limit (dBm)
Frequency (MHz)				2517.02	2592.99	2644.98	
50	Pi/2 BPSK	1	1	20.35	20.40	20.41	22.20
Channel				503700	518598	533496	Tune-up Limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	Pi/2 BPSK	1	1	20.39	20.42	20.36	22.20
Channel				503202	518598	534000	Tune-up Limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	Pi/2 BPSK	1	1	20.26	20.47	20.43	22.20
Channel				502704	518598	534498	Tune-up Limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	Pi/2 BPSK	1	1	20.26	20.54	20.41	22.20
Channel				502200	518598	534996	Tune-up Limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	Pi/2 BPSK	1	1	20.36	20.41	20.38	22.20
Channel				501702	518598	535500	Tune-up Limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	Pi/2 BPSK	1	1	20.29	20.52	20.43	22.20
Channel				501204	518598	535998	Tune-up Limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	Pi/2 BPSK	1	1	20.31	20.54	20.37	22.20
Channel				500700	518598	536496	Tune-up Limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	Pi/2 BPSK	1	1	20.33	20.40	20.40	22.20
Channel				500202	518598	537000	Tune-up Limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	Pi/2 BPSK	1	1	20.23	20.53	20.42	22.20



<FR1 n25_Ant 2_DS13>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up Limit (dBm)
Channel				1690	1692.5	1694	
Frequency (MHz)							
40	Pi/2 BPSK	1	1	20.18	20.33	20.25	21.90
40		1	108	20.10	20.27	20.20	21.90
40		1	214	20.09	20.32	20.17	21.90
40		108	0	20.04	20.17	20.15	21.90
40		108	54	20.03	20.28	20.19	21.90
40		108	108	20.09	20.24	20.12	21.90
40		216	0	20.17	20.25	20.10	21.90
40		1	1	20.04	20.22	20.11	21.90
40		1	108	20.09	20.32	20.23	21.90
40		1	214	20.07	20.32	20.20	21.90
40	QPSK	108	0	20.10	20.21	20.10	21.90
40		108	54	20.16	20.32	20.25	21.90
40		108	108	20.07	20.22	20.11	21.90
40		216	0	20.11	20.25	20.10	21.90
40	16QAM	1	1	20.02	20.20	20.11	21.90
40	64QAM	1	1	18.95	18.90	18.73	20.50
40	256QAM	1	1	16.89	16.88	16.70	18.50
Channel				373500	376500	379500	Tune-up Limit (dBm)
Frequency (MHz)				1867.5	1882.5	1897.5	
38	Pi/2 BPSK	1	1	20.15	20.23	20.22	21.90
Channel				373500	376500	380500	Tune-up Limit (dBm)
Frequency (MHz)				1866	1882.5	1900	
30	Pi/2 BPSK	1	1	20.16	20.31	20.19	21.90
Channel				373500	376500	380500	Tune-up Limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	Pi/2 BPSK	1	1	20.09	20.24	20.16	21.90
Channel				372000	376500	381000	Tune-up Limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	Pi/2 BPSK	1	1	20.12	20.19	20.15	21.90
Channel				371500	376500	381500	Tune-up Limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	Pi/2 BPSK	1	1	20.11	20.29	20.19	21.90
Channel				371000	376500	382000	Tune-up Limit (dBm)
Frequency (MHz)				1856	1882.5	1910	
10	Pi/2 BPSK	1	1	20.07	20.18	20.14	21.90
Channel				370500	376500	382500	Tune-up Limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	Pi/2 BPSK	1	1	20.07	20.22	20.10	21.90

<FR1 n66_Ant 2_DS13>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up Limit (dBm)
Channel				1722.5	1745	1767.5	
Frequency (MHz)							
45	Pi/2 BPSK	1	1	20.53	20.64	20.63	21.70
45		1	120	20.58	20.42	20.41	21.70
45		1	240	20.43	20.50	20.34	21.70
45		120	0	20.42	20.50	20.63	21.70
45		120	60	20.52	20.62	20.28	21.70
45		120	120	20.28	20.43	20.22	21.70
45		240	0	20.43	20.60	20.57	21.70
45		1	1	20.55	20.30	20.35	21.70
45		1	120	20.32	20.47	20.27	21.70
45		1	240	20.44	20.51	20.61	21.70
45	QPSK	120	0	20.51	20.43	20.28	21.70
45		120	60	20.32	20.38	20.25	21.70
45		120	120	20.51	20.51	20.53	21.70
45		240	0	20.55	20.37	20.31	21.70
45	16QAM	1	1	20.43	20.50	20.21	21.70
45	64QAM	1	1	19.16	19.38	19.22	20.50
45	256QAM	1	1	17.00	17.09	17.07	18.50
Channel				345000	349000	352000	Tune-up Limit (dBm)
Frequency (MHz)				1722	1745	1765	
40	Pi/2 BPSK	1	1	20.48	20.58	20.51	21.70
Channel				345500	349000	352500	Tune-up Limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	Pi/2 BPSK	1	1	20.48	20.62	20.53	21.70
Channel				345000	349000	353000	Tune-up Limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	Pi/2 BPSK	1	1	20.48	20.52	20.48	21.70
Channel				344500	349000	353500	Tune-up Limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	Pi/2 BPSK	1	1	20.47	20.52	20.61	21.70
Channel				344000	349000	354000	Tune-up Limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	Pi/2 BPSK	1	1	20.45	20.62	20.61	21.70
Channel				343500	349000	354500	Tune-up Limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	Pi/2 BPSK	1	1	20.48	20.56	20.50	21.70
Channel				343000	349000	355000	Tune-up Limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	Pi/2 BPSK	1	1	20.38	20.54	20.60	21.70
Channel				342500	349000	355500	Tune-up Limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	Pi/2 BPSK	1	1	20.52	20.49	20.63	21.70



«FR1 n77 (Z70)_Ant 7_DSIS»						
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				65000	65000	65000
Frequency (MHz)				3792	3840	3900
100	Pi2 BPSK	1	1	19.84	19.86	19.89
100		1	137	19.81	19.94	19.83
100		1	271	19.81	19.89	19.78
100		135	0	19.83	19.91	19.86
100		135	69	19.92	19.95	19.94
100		135	138	19.76	19.81	19.83
100		270	0	19.68	19.87	19.74
100		1	1	19.75	19.86	19.79
100		1	137	19.76	19.86	19.81
100		1	271	19.76	19.96	19.85
100	QPSK	135	0	19.75	19.92	19.85
100		135	69	19.81	19.92	19.79
100		135	138	19.73	19.83	19.85
100		270	0	19.74	19.86	19.82
100	16QAM	1	1	19.78	19.93	19.82
100	64QAM	1	1	19.73	19.90	19.78
100	256QAM	1	1	17.81	18.03	17.92
Channel				648668	650000	652332
Frequency (MHz)				3745.02	3840	3934.98
80	Pi2 BPSK	1	1	19.77	19.92	19.88
Channel				649334	650000	652966
Frequency (MHz)				3740.01	3840	3939.99
80	Pi2 BPSK	1	1	19.83	19.81	19.77
Channel				649000	650000	653000
Frequency (MHz)				3735	3840	3945
70	Pi2 BPSK	1	1	19.78	19.94	19.74
Channel				648668	650000	653332
Frequency (MHz)				3735.02	3840	3940.98
60	Pi2 BPSK	1	1	19.75	19.92	19.79
Channel				649334	650000	652966
Frequency (MHz)				3725.01	3840	3954.99
50	Pi2 BPSK	1	1	19.75	19.92	19.84
Channel				648000	650000	654000
Frequency (MHz)				3720	3840	3960
40	Pi2 BPSK	1	1	19.73	19.87	19.73
Channel				647668	650000	654332
Frequency (MHz)				3715.02	3840	3954.98
30	Pi2 BPSK	1	1	19.77	19.90	19.83
Channel				647668	650000	654000
Frequency (MHz)				3712.5	3840	3967.5
25	Pi2 BPSK	1	1	19.82	19.81	19.76
Channel				647334	650000	654666
Frequency (MHz)				3710.01	3840	3969.99
20	Pi2 BPSK	1	1	19.76	19.95	19.86
Channel				647168	650000	654832
Frequency (MHz)				3707.52	3840	3972.48
15	Pi2 BPSK	1	1	19.70	19.87	19.83
Channel				647000	650000	655000
Frequency (MHz)				3705	3840	3975
10	Pi2 BPSK	1	1	19.73	19.83	19.88

«FR1 n77 (Z70)_HPUE_Ant 7_DSIS»						
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				65000	65000	65000
Frequency (MHz)				3760	3840	3930
100	Pi2 BPSK	1	1	22.87	22.99	22.92
100		1	137	22.85	22.90	22.89
100		1	271	22.78	22.87	22.74
100		135	0	22.86	22.93	22.89
100		135	69	22.95	22.97	22.95
100		135	138	22.81	22.74	22.82
100		270	0	22.76	22.85	22.75
100		1	1	22.79	22.84	22.72
100		1	137	22.76	22.83	22.88
100		1	271	22.69	22.96	22.85
100	QPSK	135	0	22.68	22.92	22.87
100		135	69	22.86	22.88	22.72
100		135	138	22.73	22.77	22.82
100		270	0	22.77	22.85	22.80
100	16QAM	1	1	22.85	22.87	22.80
100	64QAM	1	1	21.61	21.86	21.74
100	256QAM	1	1	19.86	19.87	19.97
Channel				650886	650000	652332
Frequency (MHz)				3745.02	3840	3934.98
80	Pi2 BPSK	1	1	22.83	22.84	22.79
Channel				649334	650000	652966
Frequency (MHz)				3740.01	3840	3939.99
80	Pi2 BPSK	1	1	22.83	22.89	22.91
Channel				649000	650000	653000
Frequency (MHz)				3735	3840	3945
70	Pi2 BPSK	1	1	22.81	22.89	22.86
Channel				648668	650000	653332
Frequency (MHz)				3735.02	3840	3940.98
60	Pi2 BPSK	1	1	22.76	22.92	22.73
Channel				649334	650000	652966
Frequency (MHz)				3725.01	3840	3954.99
50	Pi2 BPSK	1	1	22.76	22.95	22.86
Channel				648000	650000	654000
Frequency (MHz)				3720	3840	3960
40	Pi2 BPSK	1	1	22.80	22.88	22.88
Channel				647668	650000	654332
Frequency (MHz)				3715.02	3840	3954.98
30	Pi2 BPSK	1	1	22.83	22.88	22.80
Channel				647000	650000	654500
Frequency (MHz)				3712.5	3840	3967.5
25	Pi2 BPSK	1	1	22.74	22.94	22.77
Channel				647334	650000	654666
Frequency (MHz)				3710.01	3840	3969.99
20	Pi2 BPSK	1	1	22.78	22.90	22.87
Channel				647168	650000	654832
Frequency (MHz)				3707.52	3840	3972.48
15	Pi2 BPSK	1	1	22.86	22.88	22.77
Channel				647000	650000	655000
Frequency (MHz)				3705	3840	3975
10	Pi2 BPSK	1	1	22.72	22.89	22.87



<FR1 n78 (270)_Ant 7_DSIS3>				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
BW (MHz)	Modulation	RB Size	RB Offset				
Channel				Frequency (MHz)			
100				3750			
100	Pi/2 BPSK	1	1	19.90	19.90	20.50	
		1	137	19.90	19.90	20.50	
		1	271	19.76	19.76	20.50	
		135	0	19.79	19.79	20.50	
		135	69	19.77	19.77	20.50	
		135	138	19.77	19.77	20.50	
		270	0	19.77	19.77	20.50	
		1	1	19.70	19.70	20.50	
		1	137	19.72	19.72	20.50	
		1	271	19.75	19.75	20.50	
100	QPSK	135	0	19.84	19.84	20.50	
		135	69	19.79	19.79	20.50	
		135	138	19.76	19.76	20.50	
		270	0	19.78	19.78	20.50	
		1	1	19.84	19.84	20.50	
		1	1	19.83	19.83	20.50	
100	256QAM	1	1	17.85	17.85	18.50	
Channel				648998	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	Tune-up Limit (dBm)
90	Pi/2 BPSK	1	1	19.87	19.86	19.79	20.50
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	Tune-up Limit (dBm)
80	Pi/2 BPSK	1	1	19.84	19.85	19.77	20.50
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	Tune-up Limit (dBm)
70	Pi/2 BPSK	1	1	19.61	19.90	19.79	20.50
Channel				648668	650000	651332	
Frequency (MHz)				3725.02	3750	3759.98	Tune-up Limit (dBm)
60	Pi/2 BPSK	1	1	19.70	19.79	19.83	20.50
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	Tune-up Limit (dBm)
50	Pi/2 BPSK	1	1	19.67	19.83	19.79	20.50
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	Tune-up Limit (dBm)
40	Pi/2 BPSK	1	1	19.61	19.82	19.80	20.50
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3764.98	Tune-up Limit (dBm)
30	Pi/2 BPSK	1	1	19.71	19.75	19.81	20.50
Channel				647000	650000	652500	
Frequency (MHz)				3712.5	3750	3787.5	Tune-up Limit (dBm)
25	Pi/2 BPSK	1	1	19.65	19.82	19.81	20.50
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3789.99	Tune-up Limit (dBm)
20	Pi/2 BPSK	1	1	19.62	19.81	19.83	20.50
Channel				647168	650000	652832	
Frequency (MHz)				3707.52	3750	3792.48	Tune-up Limit (dBm)
15	Pi/2 BPSK	1	1	19.74	19.89	19.80	20.50
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	Tune-up Limit (dBm)
10	Pi/2 BPSK	1	1	19.68	19.86	19.77	20.50

<FR1 n78 (270)_HPUE_Ant 7_DSIS3>				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
BW (MHz)	Modulation	RB Size	RB Offset				
Channel				Frequency (MHz)			
100				3750			
100	Pi/2 BPSK	1	1	22.91	22.91	23.50	
		1	137	22.80	22.80	23.50	
		1	271	22.71	22.71	23.50	
		135	0	22.76	22.76	23.50	
		135	69	22.88	22.88	23.50	
		135	138	22.64	22.64	23.50	
		270	0	22.80	22.80	23.50	
		1	1	22.68	22.68	23.50	
		1	137	22.65	22.65	23.50	
		1	271	22.87	22.87	23.50	
100	QPSK	135	0	22.80	22.80	23.50	
		135	69	22.75	22.75	23.50	
		135	138	22.64	22.64	23.50	
		270	0	22.79	22.79	23.50	
		1	1	22.81	22.81	23.50	
		1	1	21.77	21.77	22.50	
100	256QAM	1	1	19.74	19.74	20.50	
Channel				648998	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	Tune-up Limit (dBm)
90	Pi/2 BPSK	1	1	22.72	22.75	22.69	23.50
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	Tune-up Limit (dBm)
80	Pi/2 BPSK	1	1	22.69	22.78	22.66	23.50
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	Tune-up Limit (dBm)
70	Pi/2 BPSK	1	1	22.77	22.70	22.67	23.50
Channel				648668	650000	651332	
Frequency (MHz)				3725.02	3750	3759.98	Tune-up Limit (dBm)
60	Pi/2 BPSK	1	1	22.67	22.78	22.73	23.50
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	Tune-up Limit (dBm)
50	Pi/2 BPSK	1	1	22.79	22.79	22.71	23.50
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	Tune-up Limit (dBm)
40	Pi/2 BPSK	1	1	22.78	22.74	22.68	23.50
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3764.98	Tune-up Limit (dBm)
30	Pi/2 BPSK	1	1	22.69	22.77	22.61	23.50
Channel				647000	650000	652500	
Frequency (MHz)				3712.5	3750	3787.5	Tune-up Limit (dBm)
25	Pi/2 BPSK	1	1	22.79	22.70	22.66	23.50
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3789.99	Tune-up Limit (dBm)
20	Pi/2 BPSK	1	1	22.72	22.68	22.70	23.50
Channel				647168	650000	652832	
Frequency (MHz)				3707.52	3750	3792.48	Tune-up Limit (dBm)
15	Pi/2 BPSK	1	1	22.68	22.78	22.70	23.50
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	Tune-up Limit (dBm)
10	Pi/2 BPSK	1	1	22.68	22.77	22.64	23.50

<FR1 n77 (270)&FR1 n77 (270)_HPUE_Ant 5_DSIS>

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	650000	650000	Tune-up Limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI2 BPSK	1	1	19.76	19.83	19.85	21.10
100		1	137	19.72	19.81	19.89	21.10
100		1	271	19.72	19.79	19.82	21.10
100		135	0	19.60	19.78	19.91	21.10
100		135	69	19.74	19.77	19.97	21.10
100		135	138	19.66	19.76	19.98	21.10
100		270	0	19.62	19.81	19.97	21.10
100		1	1	19.65	19.68	19.99	21.10
100	QPSK	1	137	19.72	19.81	19.97	21.10
100		1	271	19.69	19.69	19.94	21.10
100		135	0	19.74	19.73	19.94	21.10
100		135	69	19.75	19.78	19.96	21.10
100		135	138	19.75	19.82	19.80	21.10
100		270	0	19.71	19.83	19.85	21.10
100		1	1	19.64	19.74	19.83	21.10
100		1	1	19.69	19.79	19.80	21.10
100	25QAM	1	1	19.04	19.18	17.97	19.90
Channel				649668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3743.02	3840	3934.98	
90	PI2 BPSK	1	1	19.72	19.78	19.82	21.10
Channel				649334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI2 BPSK	1	1	19.69	19.68	19.92	21.10
Channel				649000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI2 BPSK	1	1	19.60	19.71	19.84	21.10
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI2 BPSK	1	1	19.64	19.76	19.90	21.10
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI2 BPSK	1	1	19.64	19.74	19.98	21.10
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI2 BPSK	1	1	19.67	19.74	19.90	21.10
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	PI2 BPSK	1	1	19.64	19.80	19.91	21.10
Channel				647500	650000	654500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	PI2 BPSK	1	1	19.63	19.74	19.92	21.10
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI2 BPSK	1	1	19.68	19.82	19.93	21.10
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI2 BPSK	1	1	19.65	19.82	19.97	21.10
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI2 BPSK	1	1	19.72	19.74	19.95	21.10

<FR1 n78 (270)&FR1 n78 (270)_HPUE_Ant 5_DSIS>

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	650000	650000	Tune-up Limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI2 BPSK	1	1	19.82	19.83	19.85	21.10
100		1	137	19.68	19.68	19.68	21.10
100		1	271	19.68	19.68	19.68	21.10
100		135	0	19.68	19.68	19.68	21.10
100		135	69	19.68	19.68	19.68	21.10
100		135	138	19.75	19.75	19.75	21.10
100		270	0	19.74	19.74	19.74	21.10
100		1	1	19.68	19.68	19.68	21.10
100	QPSK	1	137	19.75	19.75	19.75	21.10
100		1	271	19.64	19.64	19.64	21.10
100		135	0	19.60	19.60	19.60	21.10
100		135	69	19.70	19.70	19.70	21.10
100		135	138	19.75	19.75	19.75	21.10
100		270	0	19.80	19.80	19.80	21.10
100		1	1	19.60	19.60	19.60	21.10
100		1	1	19.71	19.71	19.71	21.10
100	25QAM	1	1	19.15	19.15	19.90	19.90
Channel				649668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3743.02	3840	3934.98	
90	PI2 BPSK	1	1	19.72	19.75	19.83	21.10
Channel				649334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI2 BPSK	1	1	19.61	19.74	19.92	21.10
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI2 BPSK	1	1	19.60	19.66	19.49	21.10
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI2 BPSK	1	1	19.72	19.72	19.92	21.10
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI2 BPSK	1	1	19.64	19.62	19.98	21.10
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI2 BPSK	1	1	19.62	19.71	19.48	21.10
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI2 BPSK	1	1	19.63	19.70	19.82	21.10
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI2 BPSK	1	1	19.69	19.77	19.46	21.10
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI2 BPSK	1	1	19.62	19.78	19.97	21.10
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI2 BPSK	1	1	19.67	19.69	19.96	21.10
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI2 BPSK	1	1	19.68	19.67	19.61	21.10



<FR1 n77 (270)_Ant 8_DSIS>								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel Frequency (MHz)				3790	3840	3900		
100	Pi2 BPSK	1	1	19.50	19.67	19.52	21.00	
100		1	137	19.41	19.64	19.51	21.00	
100		1	271	19.46	19.66	19.36	21.00	
100		135	0	19.45	19.51	19.43	21.00	
100		135	69	19.56	19.65	19.53	21.00	
100		135	138	19.50	19.57	19.45	21.00	
100		270	0	19.40	19.67	19.51	21.00	
100		1	1	19.42	19.57	19.49	21.00	
100		1	137	19.46	19.54	19.50	21.00	
100		1	271	19.43	19.61	19.44	21.00	
100	QPSK	135	0	19.42	19.63	19.50	21.00	
100		135	69	19.44	19.67	19.37	21.00	
100		135	138	19.49	19.63	19.36	21.00	
100		270	0	19.49	19.62	19.47	21.00	
100	16QAM	1	1	19.40	19.58	19.46	21.00	
100	64QAM	1	1	18.35	18.63	18.57	20.00	
100	256QAM	1	1	16.55	18.63	16.44	18.00	
Channel				648668	656000	662332	Tune-up Limit (dBm)	
Frequency (MHz)				3745.02	3840	3934.98	21.00	
90	Pi2 BPSK	1	1	19.42	19.57	19.50	21.00	
Channel				648334	656000	662666	Tune-up Limit (dBm)	
Frequency (MHz)				3740.01	3840	3939.99	21.00	
80	Pi2 BPSK	1	1	19.44	19.56	19.43	21.00	
Channel				648000	656000	663000	Tune-up Limit (dBm)	
Frequency (MHz)				3735	3840	3945	21.00	
70	Pi2 BPSK	1	1	19.41	19.59	19.37	21.00	
Channel				648668	656000	663332	Tune-up Limit (dBm)	
Frequency (MHz)				3730.02	3840	3949.98	21.00	
60	Pi2 BPSK	1	1	19.36	19.59	19.51	21.00	
Channel				648334	656000	663666	Tune-up Limit (dBm)	
Frequency (MHz)				3725.01	3840	3954.99	21.00	
50	Pi2 BPSK	1	1	19.44	19.57	19.44	21.00	
Channel				648000	656000	664000	Tune-up Limit (dBm)	
Frequency (MHz)				3720	3840	3960	21.00	
40	Pi2 BPSK	1	1	19.36	19.56	19.51	21.00	
Channel				647668	656000	664332	Tune-up Limit (dBm)	
Frequency (MHz)				3715.02	3840	3964.98	21.00	
30	Pi2 BPSK	1	1	19.36	19.60	19.46	21.00	
Channel				647500	656000	664500	Tune-up Limit (dBm)	
Frequency (MHz)				3712.5	3840	3967.5	21.00	
25	Pi2 BPSK	1	1	19.35	19.60	19.46	21.00	
Channel				647334	656000	664666	Tune-up Limit (dBm)	
Frequency (MHz)				3710.01	3840	3969.99	21.00	
20	Pi2 BPSK	1	1	19.49	19.66	19.43	21.00	
Channel				647168	656000	664832	Tune-up Limit (dBm)	
Frequency (MHz)				3707.52	3840	3972.48	21.00	
15	Pi2 BPSK	1	1	19.37	19.66	19.50	21.00	
Channel				647000	656000	665000	Tune-up Limit (dBm)	
Frequency (MHz)				3705	3840	3975	21.00	
10	Pi2 BPSK	1	1	19.38	19.54	19.42	21.00	

<FR1 n77 (270)_HPUE_Ant 8_DSIS>								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel Frequency (MHz)				3790	3840	3900		
100	Pi2 BPSK	1	1	22.48	22.70	22.52	24.00	
100		1	137	22.42	22.66	22.57	24.00	
100		1	271	22.52	22.59	22.32	24.00	
100		135	0	22.50	22.44	22.37	24.00	
100		135	69	22.58	22.63	22.51	24.00	
100		135	138	22.45	22.60	22.38	24.00	
100		270	0	22.41	22.65	22.48	24.00	
100		1	1	22.44	22.63	22.48	24.00	
100		1	137	22.46	22.58	22.56	24.00	
100		1	271	22.39	22.54	22.51	24.00	
100	QPSK	135	0	22.44	22.67	22.57	24.00	
100		135	69	22.37	22.62	22.34	24.00	
100		135	138	22.42	22.69	22.33	24.00	
100		270	0	22.57	22.60	22.50	24.00	
100	16QAM	1	1	22.47	22.63	22.43	24.00	
100	64QAM	1	1	21.46	21.59	21.49	23.00	
100	256QAM	1	1	19.54	19.74	19.47	21.00	
Channel				648668	656000	662332	Tune-up Limit (dBm)	
Frequency (MHz)				3745.02	3840	3934.98	24.00	
90	Pi2 BPSK	1	1	22.35	22.59	22.33	24.00	
Channel				648334	656000	662666	Tune-up Limit (dBm)	
Frequency (MHz)				3740.01	3840	3939.99	24.00	
80	Pi2 BPSK	1	1	22.40	22.67	22.36	24.00	
Channel				648000	656000	663000	Tune-up Limit (dBm)	
Frequency (MHz)				3735	3840	3945	24.00	
70	Pi2 BPSK	1	1	22.33	22.68	22.44	24.00	
Channel				648668	656000	663332	Tune-up Limit (dBm)	
Frequency (MHz)				3730.02	3840	3949.98	24.00	
60	Pi2 BPSK	1	1	22.34	22.69	22.44	24.00	
Channel				648334	656000	663666	Tune-up Limit (dBm)	
Frequency (MHz)				3725.01	3840	3954.99	24.00	
50	Pi2 BPSK	1	1	22.47	22.65	22.41	24.00	
Channel				648000	656000	664000	Tune-up Limit (dBm)	
Frequency (MHz)				3720	3840	3960	24.00	
40	Pi2 BPSK	1	1	22.39	22.69	22.45	24.00	
Channel				647668	656000	664332	Tune-up Limit (dBm)	
Frequency (MHz)				3715.02	3840	3964.98	24.00	
30	Pi2 BPSK	1	1	22.41	22.57	22.36	24.00	
Channel				647500	656000	664500	Tune-up Limit (dBm)	
Frequency (MHz)				3712.5	3840	3967.5	24.00	
25	Pi2 BPSK	1	1	22.44	22.59	22.49	24.00	
Channel				647334	656000	664666	Tune-up Limit (dBm)	
Frequency (MHz)				3710.01	3840	3969.99	24.00	
20	Pi2 BPSK	1	1	22.44	22.70	22.39	24.00	
Channel				647168	656000	664832	Tune-up Limit (dBm)	
Frequency (MHz)				3707.52	3840	3972.48	24.00	
15	Pi2 BPSK	1	1	22.34	22.68	22.40	24.00	
Channel				647000	656000	665000	Tune-up Limit (dBm)	
Frequency (MHz)				3705	3840	3975	24.00	
10	Pi2 BPSK	1	1	22.46	22.65	22.46	24.00	

<FR1 n78 (270)_Ant 8_DSI3>				Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
BW (MHz)	Modulation	RB Size	RB Offset				
Channel							
Frequency (MHz)				3750			
100	Pi/2 BPSK	1	1	19.53			21.00
100		1	137	19.57			21.00
100		1	271	19.63			21.00
100		135	0	19.46			21.00
100		135	69	19.51			21.00
100		135	138	19.46			21.00
100		270	0	19.61			21.00
100		1	1	19.41			21.00
100		1	137	19.51			21.00
100		1	271	19.44			21.00
100	QPSK	135	0	19.46			21.00
100		135	69	19.57			21.00
100		135	138	19.46			21.00
100		270	0	19.57			21.00
100		1	1	19.42			21.00
100	16QAM	1	1	18.55			20.00
100	64QAM	1	1	18.54			18.00
100	256QAM	1	1				
Channel				648068	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	19.29	19.49	19.29	21.00
Channel				648334	650000	650966	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	19.32	19.40	19.46	21.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	19.26	19.42	19.42	21.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1	19.33	19.49	19.43	21.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	19.31	19.34	19.44	21.00
Channel				649000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	19.35	19.53	19.38	21.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	19.31	19.54	19.44	21.00
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	19.39	19.50	19.39	21.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	19.27	19.53	19.35	21.00
Channel				647168	650000	653832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	19.29	19.48	19.47	21.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	19.35	19.40	19.34	21.00

<FR1 n78 (270)_HPUE_Ant 8_DSI3>				Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
BW (MHz)	Modulation	RB Size	RB Offset				
Channel							
Frequency (MHz)				3750			
100	Pi/2 BPSK	1	1	22.67			24.00
100		1	137	22.50			24.00
100		1	271	22.56			24.00
100		135	0	22.40			24.00
100		135	69	22.51			24.00
100		135	138	22.46			24.00
100		270	0	22.62			24.00
100		1	1	22.48			24.00
100		1	137	22.56			24.00
100		1	271	22.51			24.00
100	QPSK	135	0	22.51			24.00
100		135	69	22.56			24.00
100		135	138	22.60			24.00
100		270	0	22.49			24.00
100		1	1	22.56			24.00
100	16QAM	1	1	21.56			23.00
100	64QAM	1	1				
100	256QAM	1	1	19.58			21.00
Channel				648668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	22.26	22.51	22.32	24.00
Channel				648334	650000	650966	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	22.28	22.46	22.22	24.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	22.26	22.45	22.22	24.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1	22.18	22.48	22.23	24.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	22.19	22.50	22.35	24.00
Channel				648668	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	22.22	22.45	22.28	24.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	22.22	22.42	22.32	24.00
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	22.20	22.44	22.30	24.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	22.17	22.40	22.21	24.00
Channel				647168	650000	653832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	22.33	22.48	22.27	24.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	22.25	22.45	22.34	24.00

<FR1 n77 (270)&FR1 n77 (270)_HPUE_Ant 4_DSIS>				Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up Limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset				
Channel				650000	650000	650000	
Frequency (MHz)				3750	3840	3930	
100	Pi/2 BPSK	1	1	22.55	22.70	22.68	24.00
100		1	137	22.53	22.61	22.45	24.00
100		1	271	22.44	22.55	22.55	24.00
100		135	0	21.93	22.18	21.92	23.50
100		135	69	22.43	22.64	22.52	24.00
100		135	138	21.88	22.13	21.95	23.50
100		270	0	22.00	22.09	22.03	23.50
100		1	1	22.49	22.59	22.39	24.00
100		1	137	22.41	22.36	22.46	24.00
100		1	271	22.48	22.65	22.40	24.00
100	QPSK	135	0	21.82	21.72	21.64	23.00
100		135	69	22.34	22.61	22.45	24.00
100		135	138	21.45	21.61	21.50	23.00
100		270	0	21.80	21.62	21.59	23.00
100	16QAM	1	1	21.56	21.67	21.43	23.00
100	64QAM	1	1	20.15	20.26	20.13	21.50
100	256QAM	1	1	17.98	18.21	18.14	19.50
Channel				648668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
80	Pi/2 BPSK	1	1	22.55	22.62	22.60	24.00
Channel				648334	650000	652666	
Frequency (MHz)				3740.01	3840	3939.99	Tune-up Limit (dBm)
80	Pi/2 BPSK	1	1	22.51	22.61	22.53	24.00
Channel				649000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	Pi/2 BPSK	1	1	22.42	22.57	22.61	24.00
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	Pi/2 BPSK	1	1	22.43	22.59	22.54	24.00
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	Pi/2 BPSK	1	1	22.45	22.60	22.58	24.00
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	Pi/2 BPSK	1	1	22.43	22.61	22.61	24.00
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	Pi/2 BPSK	1	1	22.41	22.66	22.62	24.00
Channel				647000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	Pi/2 BPSK	1	1	22.44	22.63	22.58	24.00
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	Pi/2 BPSK	1	1	22.54	22.69	22.57	24.00
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	Pi/2 BPSK	1	1	22.43	22.65	22.57	24.00
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	Pi/2 BPSK	1	1	22.43	22.55	22.66	24.00

<FR1 n78 (270)&FR1 n78 (270)_HPUE_Ant 4_DSIS>				Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up Limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset				
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	Pi/2 BPSK	1	1		22.55		24.00
100		1	137		22.54		24.00
100		1	271		22.48		24.00
100		135	0		22.04		23.50
100		135	69		22.54		24.00
100		135	138		22.06		23.50
100		270	0		21.99		23.50
100		1	1		22.59		24.00
100		1	137		22.54		24.00
100		1	271		22.52		24.00
100	QPSK	135	0		21.58		23.00
100		135	69		22.58		24.00
100		135	138		21.49		23.00
100		270	0		21.56		23.00
100	16QAM	1	1		21.52		23.00
100	64QAM	1	1		20.25		21.50
100	256QAM	1	1		18.10		19.50
Channel				648668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
80	Pi/2 BPSK	1	1		22.48	22.53	24.00
Channel				648334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		22.42	22.62	24.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		22.48	22.56	24.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		22.51	22.62	24.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		22.45	22.52	24.00
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3760	
40	Pi/2 BPSK	1	1		22.43	22.52	24.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		22.47	22.55	24.00
Channel				647000	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		22.41	22.61	24.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		22.52	22.47	24.00
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		22.53	22.59	24.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		22.52	22.53	24.00



Reduced Power Mode for PA (Reference Designator) DSI 4

<FR1 n41_Ant 0_DSI4>							
BR [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				509202	518598	528000	Tune-up Limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	Pi2 BPSK	1	1	22.19	22.19	22.12	23.00
100		1	137	22.02	22.19	22.08	23.00
100		1	271	21.95	22.01	21.91	23.00
100		135	0	21.52	21.61	21.61	22.50
100		135	69	22.00	22.06	21.94	23.00
100		135	138	21.48	21.56	21.56	22.50
100	QPSK	270	0	21.56	21.63	21.67	22.50
100		1	1	22.00	22.10	21.80	23.00
100		1	137	21.93	22.03	21.85	23.00
100		1	271	21.50	22.06	21.87	23.00
100		135	0	21.02	21.14	20.97	22.00
100		135	69	21.86	21.95	21.94	23.00
100	16QAM	135	138	20.58	21.09	20.97	22.00
100		270	0	20.97	21.11	20.87	22.00
100	64QAM	1	1	20.86	21.07	20.87	22.00
100	256QAM	1	1	19.65	19.74	19.46	20.50
100	256QAM	1	1	17.49	17.59	17.54	18.50
Channel				508200	518598	528996	Tune-up Limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	Pi2 BPSK	1	1	22.00	22.14	22.09	23.00
Channel				507204	518598	529998	Tune-up Limit (dBm)
Frequency (MHz)				2538.02	2592.99	2649.99	
80	Pi2 BPSK	1	1	21.95	22.07	22.00	23.00
Channel				506202	518598	531000	Tune-up Limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	Pi2 BPSK	1	1	21.99	22.04	22.11	23.00
Channel				505200	518598	531996	Tune-up Limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	Pi2 BPSK	1	1	21.96	22.08	21.99	23.00
Channel				504204	518598	532998	Tune-up Limit (dBm)
Frequency (MHz)				2521.02	2592.99	2654.99	
50	Pi2 BPSK	1	1	22.01	22.08	22.07	23.00
Channel				503700	518598	533496	Tune-up Limit (dBm)
Frequency (MHz)				2516.5	2592.99	2657.46	
45	Pi2 BPSK	1	1	21.97	22.09	22.06	23.00
Channel				503002	518598	534000	Tune-up Limit (dBm)
Frequency (MHz)				2515.01	2592.99	2670	
40	Pi2 BPSK	1	1	21.98	22.04	22.06	23.00
Channel				502704	518598	534498	Tune-up Limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	Pi2 BPSK	1	1	22.00	22.05	22.07	23.00
Channel				502200	518598	534996	Tune-up Limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	Pi2 BPSK	1	1	22.10	22.19	22.09	23.00
Channel				501702	518598	535500	Tune-up Limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	Pi2 BPSK	1	1	21.97	22.13	21.97	23.00
Channel				501204	518598	535998	Tune-up Limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	Pi2 BPSK	1	1	22.02	22.11	22.02	23.00
Channel				500700	518598	536496	Tune-up Limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	Pi2 BPSK	1	1	21.96	22.17	21.99	23.00
Channel				500202	518598	537000	Tune-up Limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	Pi2 BPSK	1	1	22.10	22.09	22.03	23.00

<FR1 n7_Ant 1_DS14>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel				504000	507000	510000	Tune-up Limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	P12 BPSK	1	1	21.28	21.35	21.25	23.00
40		1	108	21.13	21.24	21.13	23.00
40		1	214	21.05	21.30	21.09	23.00
40		108	0	20.62	20.75	20.51	22.50
40		108	54	21.19	21.33	21.09	23.00
40		108	108	20.47	20.73	20.58	22.50
40		216	0	20.58	20.80	20.66	22.50
40		1	1	21.13	21.22	21.07	23.00
40		1	108	21.28	21.29	21.14	23.00
40		1	214	21.15	21.29	21.15	23.00
40	QPSK	108	0	20.09	20.17	20.17	22.00
40		108	54	20.94	21.13	21.07	23.00
40		108	108	20.12	20.30	20.11	22.00
40		216	0	19.98	20.25	20.06	22.00
40	16QAM	1	1	20.17	20.16	20.09	22.00
40	64QAM	1	1	18.63	18.69	18.73	20.50
40	256QAM	1	1	16.61	16.75	16.61	18.50
Channel				503000	507000	510000	Tune-up Limit (dBm)
Frequency (MHz)				2517.5	2535	2552.5	
38	P12 BPSK	1	1	21.24	21.35	21.18	23.00
Channel				503000	507000	511000	Tune-up Limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	P12 BPSK	1	1	21.28	21.24	21.14	23.00
Channel				502000	507000	511000	Tune-up Limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	P12 BPSK	1	1	21.17	21.26	21.26	23.00
Channel				502000	507000	512000	Tune-up Limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	P12 BPSK	1	1	21.24	21.22	21.22	23.00
Channel				501000	507000	512500	Tune-up Limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	P12 BPSK	1	1	21.19	21.30	21.23	23.00
Channel				501000	507000	513000	Tune-up Limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	P12 BPSK	1	1	21.25	21.21	21.25	23.00
Channel				500000	507000	513500	Tune-up Limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	P12 BPSK	1	1	21.25	21.31	21.14	23.00



<FR1 n41_Ant 1_DS14>				Power Low	Power Mid-H	Power High	Tune-up Limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset	Ch./Freq	Ch./Freq	Ch./Freq	
Channel				509202	518598	525000	24.00
Frequency (MHz)				2546.01	2592.99	2640	
100	Pi/2 BPSK	1	1	22.08	22.34	22.17	24.00
100		1	137	21.87	22.16	21.96	24.00
100		1	271	21.90	22.14	22.03	24.00
100		135	0	21.42	21.54	21.38	23.50
100		135	69	22.08	22.10	21.88	24.00
100		135	138	21.44	21.58	21.36	23.50
100		270	0	21.37	21.61	21.55	23.50
100		1	1	21.84	22.08	22.04	24.00
100		1	137	21.94	21.98	22.00	24.00
100		1	271	21.92	21.92	21.84	24.00
100	QPSK	135	0	20.91	20.91	20.84	23.00
100		135	69	21.99	22.10	21.83	24.00
100		135	138	20.97	21.00	20.97	23.00
100		270	0	20.89	20.89	20.89	23.00
100	16QAM	1	1	20.87	21.13	21.02	23.00
100	64QAM	1	1	19.28	19.56	19.52	21.50
100	256QAM	1	1	17.35	17.55	17.43	19.50
Channel				508200	518598	525996	Tune-up Limit (dBm)
Frequency (MHz)				2541	2592.99	2644.99	
80	Pi/2 BPSK	1	1	22.06	22.10	22.07	24.00
Channel				507204	518598	525998	Tune-up Limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	Pi/2 BPSK	1	1	22.04	22.08	22.02	24.00
Channel				506202	518598	531000	Tune-up Limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	Pi/2 BPSK	1	1	22.06	22.13	22.09	24.00
Channel				505200	518598	531996	Tune-up Limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	Pi/2 BPSK	1	1	22.02	22.18	22.01	24.00
Channel				504204	518598	532998	Tune-up Limit (dBm)
Frequency (MHz)				2517.02	2592.99	2654.99	
50	Pi/2 BPSK	1	1	22.04	22.21	22.11	24.00
Channel				503700	518598	533496	Tune-up Limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	Pi/2 BPSK	1	1	21.97	22.23	22.13	24.00
Channel				503202	518598	534000	Tune-up Limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	Pi/2 BPSK	1	1	21.94	22.10	22.04	24.00
Channel				502704	518598	534498	Tune-up Limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	Pi/2 BPSK	1	1	22.02	22.09	22.07	24.00
Channel				502200	518598	535096	Tune-up Limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	Pi/2 BPSK	1	1	21.95	22.22	22.10	24.00
Channel				501702	518598	535500	Tune-up Limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	Pi/2 BPSK	1	1	21.96	22.15	22.03	24.00
Channel				501204	518598	535998	Tune-up Limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	Pi/2 BPSK	1	1	22.02	22.12	22.14	24.00
Channel				500700	518598	536496	Tune-up Limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	Pi/2 BPSK	1	1	22.02	22.23	22.04	24.00
Channel				500202	518598	537000	Tune-up Limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	Pi/2 BPSK	1	1	21.94	22.17	22.02	24.00

<FR1 n41_HPUE_Ant 1_DS14>				Power Low	Power Mid-H	Power High	Tune-up Limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset	Ch./Freq	Ch./Freq	Ch./Freq	
Channel				509202	518598	525000	24.00
Frequency (MHz)				2546.01	2592.99	2640	
100	Pi/2 BPSK	1	1	25.14	25.30	25.06	27.00
100		1	137	24.96	25.04	25.05	27.00
100		1	271	24.98	25.21	25.08	27.00
100		135	0	24.31	24.57	24.40	26.50
100		135	69	25.15	25.08	24.82	27.00
100		135	138	24.43	24.62	24.43	26.50
100		270	0	24.39	24.53	24.58	26.50
100		1	1	24.52	25.11	25.13	27.00
100		1	137	25.08	25.06	25.08	27.00
100		1	271	24.95	25.04	25.04	27.00
100	QPSK	135	0	23.99	23.95	23.95	26.00
100		135	69	24.97	25.03	24.90	27.00
100		135	138	23.98	24.07	23.99	26.00
100		270	0	23.91	23.97	23.82	26.00
100	16QAM	1	1	23.93	24.23	23.98	26.00
100	64QAM	1	1	22.48	22.57	22.48	24.50
100	256QAM	1	1	20.26	20.52	20.51	22.50
Channel				508200	518598	525996	Tune-up Limit (dBm)
Frequency (MHz)				2541	2592.99	2644.99	
80	Pi/2 BPSK	1	1	25.24	25.18	25.02	27.00
Channel				507204	518598	525998	Tune-up Limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	Pi/2 BPSK	1	1	25.09	25.25	24.92	27.00
Channel				506202	518598	531000	Tune-up Limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	Pi/2 BPSK	1	1	24.99	25.26	25.02	27.00
Channel				505200	518598	531996	Tune-up Limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	Pi/2 BPSK	1	1	25.09	25.26	25.04	27.00
Channel				504204	518598	532998	Tune-up Limit (dBm)
Frequency (MHz)				2517.02	2592.99	2654.99	
50	Pi/2 BPSK	1	1	25.01	25.24	24.96	27.00
Channel				503700	518598	533496	Tune-up Limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	Pi/2 BPSK	1	1	25.19	25.28	24.95	27.00
Channel				503202	518598	534000	Tune-up Limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	Pi/2 BPSK	1	1	24.98	25.17	25.02	27.00
Channel				502704	518598	534498	Tune-up Limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	Pi/2 BPSK	1	1	25.01	25.19	25.01	27.00
Channel				502200	518598	535096	Tune-up Limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	Pi/2 BPSK	1	1	24.98	25.25	25.04	27.00
Channel				501702	518598	535500	Tune-up Limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	Pi/2 BPSK	1	1	25.03	25.26	24.97	27.00
Channel				501204	518598	535998	Tune-up Limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	Pi/2 BPSK	1	1	25.05	25.29	25.08	27.00
Channel				500700	518598	536496	Tune-up Limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	Pi/2 BPSK	1	1	25.03	25.24	25.03	27.00
Channel				500202	518598	537000	Tune-up Limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	Pi/2 BPSK	1	1	25.08	25.30	24.94	27.00



<FR1 n25_Ant 2_DS14>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up Limit (dBm)
Channel				1600	1882.5	1960	
Frequency (MHz)							
40	Pi/2 BPSK	1	1	21.31	21.49	21.34	23.00
40		1	108	21.35	21.44	21.31	23.00
40		1	214	21.30	21.36	21.33	23.00
40		108	0	20.89	21.00	20.68	22.50
40		108	54	21.11	21.25	21.23	23.00
40		108	108	20.63	20.78	20.91	22.50
40		216	0	20.90	20.72	20.69	22.50
40		1	1	21.34	21.33	21.33	23.00
40		1	108	21.32	21.30	21.23	23.00
40		1	214	21.36	21.28	21.33	23.00
40	QPSK	108	0	20.40	20.53	20.39	22.00
40		108	54	21.21	21.32	21.21	23.00
40		108	108	20.21	20.46	20.34	22.00
40		216	0	20.27	20.48	20.38	22.00
40	16QAM	1	1	20.30	20.48	20.36	22.00
40	64QAM	1	1	18.95	18.90	18.73	20.50
40	256QAM	1	1	16.69	16.68	16.70	18.50
Channel				373500	376500	379500	
Frequency (MHz)				1867.5	1882.5	1897.5	
38	Pi/2 BPSK	1	1	21.27	21.37	21.24	23.00
Channel				373500	376500	380500	
Frequency (MHz)				1866	1882.5	1900	
30	Pi/2 BPSK	1	1	21.26	21.38	21.31	23.00
Channel				373500	376500	380500	
Frequency (MHz)				1862.5	1882.5	1902.5	
25	Pi/2 BPSK	1	1	21.28	21.44	21.29	23.00
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	Pi/2 BPSK	1	1	21.17	21.42	21.28	23.00
Channel				371500	376500	381500	
Frequency (MHz)				1857.5	1882.5	1907.5	
15	Pi/2 BPSK	1	1	21.11	21.40	21.24	23.00
Channel				371000	376500	382000	
Frequency (MHz)				1856	1882.5	1910	
10	Pi/2 BPSK	1	1	21.24	21.38	21.23	23.00
Channel				370500	376500	382500	
Frequency (MHz)				1852.5	1882.5	1912.5	
5	Pi/2 BPSK	1	1	21.27	21.36	21.18	23.00

<FR1 n66_Ant 2_DS14>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up Limit (dBm)
Channel				345500	346500	347500	
Frequency (MHz)				1722.5	1745	1757.5	
45	Pi/2 BPSK	1	1	21.87	22.03	21.96	23.00
45		1	120	21.85	21.80	21.78	23.00
45		1	240	21.74	21.85	21.68	23.00
45		120	0	21.14	21.28	20.99	22.50
45		120	60	21.74	21.78	21.66	23.00
45		120	120	21.12	21.19	21.22	22.50
45		240	0	21.19	21.25	21.21	22.50
45		1	1	21.85	21.88	21.64	23.00
45		1	120	21.84	21.96	21.86	23.00
45		1	240	21.72	21.81	21.76	23.00
45	QPSK	120	0	20.72	20.91	20.77	22.00
45		120	60	21.77	21.91	21.79	23.00
45		120	120	20.69	20.69	20.72	22.00
45		240	0	20.67	20.92	20.80	22.00
45	16QAM	1	1	20.76	20.85	20.83	22.00
45	64QAM	1	1	19.16	19.38	19.22	20.50
45	256QAM	1	1	17.00	17.09	17.07	18.50
Channel				346000	349000	352000	
Frequency (MHz)				1725	1745	1765	
40	Pi/2 BPSK	1	1	21.74	21.87	21.96	23.00
Channel				345500	349000	352500	
Frequency (MHz)				1722.5	1745	1762.5	
35	Pi/2 BPSK	1	1	21.85	21.92	21.87	23.00
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	Pi/2 BPSK	1	1	21.88	21.99	21.86	23.00
Channel				344500	349000	353500	
Frequency (MHz)				1722.5	1745	1767.5	
25	Pi/2 BPSK	1	1	21.76	21.97	21.82	23.00
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	Pi/2 BPSK	1	1	21.75	21.87	21.94	23.00
Channel				343500	349000	354500	
Frequency (MHz)				1717.5	1745	1772.5	
15	Pi/2 BPSK	1	1	21.79	21.97	21.83	23.00
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	Pi/2 BPSK	1	1	21.86	21.98	21.92	23.00
Channel				342500	349000	355500	
Frequency (MHz)				1712.5	1745	1777.5	
5	Pi/2 BPSK	1	1	21.76	21.89	21.93	23.00



«FR1 n77 (270)_Ant 7_DS14»							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel Frequency (MHz)				650000	650000	650000	
100	Pi2 BPSK	1	1	22.34	22.48	22.41	23.00
100		1	137	22.09	22.37	22.16	23.00
100		1	271	22.05	22.41	22.09	23.00
100		135	0	21.76	21.98	21.82	22.50
100		135	69	22.17	22.38	22.24	23.00
100		135	138	21.71	21.97	21.64	22.50
100		270	0	21.76	21.88	21.74	22.50
100		1	1	22.29	22.40	22.12	23.00
100		1	137	22.16	22.29	22.30	23.00
100		1	271	22.20	22.42	22.07	23.00
100	QPSK	135	0	21.27	21.53	21.25	22.00
100		135	69	22.10	22.31	21.99	23.00
100		135	138	21.35	21.40	21.26	22.00
100		270	0	21.11	21.46	21.29	22.00
100	16QAM	1	1	21.37	21.50	21.36	22.00
100	64QAM	1	1	19.73	19.90	19.78	20.50
100	256QAM	1	1	17.81	18.03	17.92	18.50
Channel Frequency (MHz)				648668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
80	Pi2 BPSK	1	1	22.36	22.52	22.48	23.00
Channel Frequency (MHz)				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	Pi2 BPSK	1	1	22.38	22.53	22.54	23.00
Channel Frequency (MHz)				649000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	Pi2 BPSK	1	1	22.43	22.50	22.52	23.00
Channel Frequency (MHz)				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3735.02	3840	3940.98	
60	Pi2 BPSK	1	1	22.48	22.55	22.50	23.00
Channel Frequency (MHz)				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	Pi2 BPSK	1	1	22.40	22.55	22.52	23.00
Channel Frequency (MHz)				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	Pi2 BPSK	1	1	22.44	22.83	22.50	23.00
Channel Frequency (MHz)				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3954.98	
30	Pi2 BPSK	1	1	22.45	22.98	22.55	23.00
Channel Frequency (MHz)				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	Pi2 BPSK	1	1	22.38	22.91	22.47	23.00
Channel Frequency (MHz)				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	Pi2 BPSK	1	1	22.44	22.53	22.45	23.00
Channel Frequency (MHz)				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	Pi2 BPSK	1	1	22.46	22.96	22.49	23.00
Channel Frequency (MHz)				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	Pi2 BPSK	1	1	22.46	22.96	22.55	23.00

«FR1 n77 (270)_HPUE_Ant 7_DS14»							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
Channel Frequency (MHz)				650000	650000	650000	
100	Pi2 BPSK	1	1	24.38	24.55	24.43	25.00
100		1	137	24.21	24.38	24.17	25.00
100		1	271	24.14	24.33	24.07	25.00
100		135	0	23.65	23.97	23.69	24.50
100		135	69	24.25	24.46	24.27	25.00
100		135	138	23.86	23.97	23.73	24.50
100		270	0	23.76	23.91	23.89	24.50
100		1	1	24.16	24.41	24.18	25.00
100		1	137	24.24	24.30	24.19	25.00
100		1	271	24.19	24.24	24.05	25.00
100	QPSK	135	0	23.26	23.43	23.27	24.00
100		135	69	24.08	24.40	24.09	25.00
100		135	138	23.23	23.36	23.19	24.00
100		270	0	23.08	23.49	23.20	24.00
100	16QAM	1	1	23.37	23.37	23.38	24.00
100	64QAM	1	1	21.61	21.86	21.74	22.50
100	256QAM	1	1	19.86	19.87	19.97	20.50
Channel Frequency (MHz)				650000	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
80	Pi2 BPSK	1	1	24.24	24.43	24.40	25.00
Channel Frequency (MHz)				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	Pi2 BPSK	1	1	24.26	24.53	24.29	25.00
Channel Frequency (MHz)				649000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	Pi2 BPSK	1	1	24.33	24.53	24.29	25.00
Channel Frequency (MHz)				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3735.02	3840	3940.98	
60	Pi2 BPSK	1	1	24.23	24.52	24.23	25.00
Channel Frequency (MHz)				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	Pi2 BPSK	1	1	24.23	24.39	24.30	25.00
Channel Frequency (MHz)				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	Pi2 BPSK	1	1	24.28	24.53	24.38	25.00
Channel Frequency (MHz)				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3954.98	
30	Pi2 BPSK	1	1	24.25	24.53	24.42	25.00
Channel Frequency (MHz)				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	Pi2 BPSK	1	1	24.26	24.43	24.39	25.00
Channel Frequency (MHz)				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	Pi2 BPSK	1	1	24.32	24.53	24.38	25.00
Channel Frequency (MHz)				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	Pi2 BPSK	1	1	24.22	24.46	24.29	25.00
Channel Frequency (MHz)				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	Pi2 BPSK	1	1	24.34	24.54	24.28	25.00



<FR1 n78 (270)_Ant 7_DS14>				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset				
Channel				Frequency (MHz)			
100				3750			
100	Pi/2 BPSK	1	1	22.34	3750	33.00	
		1	137	22.22	3750	23.00	
		1	271	22.29	3750	23.00	
		135	0	21.82	3750	22.50	
		135	69	22.17	3750	23.00	
		135	138	21.89	3750	22.50	
		270	0	21.73	3750	22.50	
		1	1	22.31	3750	23.00	
		1	137	22.13	3750	23.00	
		1	271	22.27	3750	23.00	
100	QPSK	135	0	21.30	3750	22.00	
		135	69	22.08	3750	23.00	
		135	138	21.33	3750	22.00	
		270	0	21.38	3750	22.00	
		1	1	21.31	3750	22.00	
		1	1	19.69	3750	20.50	
100	256QAM	1	1	17.85	3750	18.50	
Channel				648968	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	Tune-up Limit (dBm)
90	Pi/2 BPSK	1	1	22.26	3750	22.21	23.00
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	Tune-up Limit (dBm)
80	Pi/2 BPSK	1	1	22.12	3750	22.19	23.00
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	Tune-up Limit (dBm)
70	Pi/2 BPSK	1	1	22.17	3750	22.09	23.00
Channel				648668	650000	651332	
Frequency (MHz)				3725.02	3750	3759.98	Tune-up Limit (dBm)
60	Pi/2 BPSK	1	1	22.13	3750	22.05	23.00
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	Tune-up Limit (dBm)
50	Pi/2 BPSK	1	1	22.13	3750	22.20	23.00
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	Tune-up Limit (dBm)
40	Pi/2 BPSK	1	1	22.15	3750	22.08	23.00
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3764.98	Tune-up Limit (dBm)
30	Pi/2 BPSK	1	1	22.20	3750	22.15	23.00
Channel				647334	650000	652500	
Frequency (MHz)				3712.5	3750	3787.5	Tune-up Limit (dBm)
25	Pi/2 BPSK	1	1	22.12	3750	22.16	23.00
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3789.99	Tune-up Limit (dBm)
20	Pi/2 BPSK	1	1	22.11	3750	22.06	23.00
Channel				647168	650000	652832	
Frequency (MHz)				3707.52	3750	3792.48	Tune-up Limit (dBm)
15	Pi/2 BPSK	1	1	22.19	3750	22.07	23.00
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	Tune-up Limit (dBm)
10	Pi/2 BPSK	1	1	22.23	3750	22.13	23.00

<FR1 n78 (270)_HPUE_Ant 7_DS14>				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset				
Channel				Frequency (MHz)			
100				3750			
100	Pi/2 BPSK	1	1	24.38	3750	25.00	
		1	137	24.19	3750	25.00	
		1	271	24.21	3750	25.00	
		135	0	23.87	3750	24.50	
		135	69	24.34	3750	25.00	
		135	138	23.82	3750	24.50	
		270	0	23.75	3750	24.50	
		1	1	24.30	3750	25.00	
		1	137	24.13	3750	25.00	
		1	271	24.17	3750	25.00	
100	QPSK	135	0	23.32	3750	24.00	
		135	69	24.28	3750	25.00	
		135	138	23.22	3750	24.00	
		270	0	23.31	3750	24.00	
		1	1	23.18	3750	24.00	
		1	1	21.76	3750	22.50	
100	256QAM	1	1	19.80	3750	20.50	
Channel				648968	650000	650332	
Frequency (MHz)				3745.02	3750	3754.98	Tune-up Limit (dBm)
90	Pi/2 BPSK	1	1	24.29	3750	24.25	25.00
Channel				649334	650000	650666	
Frequency (MHz)				3740.01	3750	3759.99	Tune-up Limit (dBm)
80	Pi/2 BPSK	1	1	24.16	3750	24.21	25.00
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	Tune-up Limit (dBm)
70	Pi/2 BPSK	1	1	24.26	3750	24.21	25.00
Channel				648668	650000	651332	
Frequency (MHz)				3725.02	3750	3759.98	Tune-up Limit (dBm)
60	Pi/2 BPSK	1	1	24.12	3750	24.12	25.00
Channel				648334	650000	651666	
Frequency (MHz)				3725.01	3750	3774.99	Tune-up Limit (dBm)
50	Pi/2 BPSK	1	1	24.19	3750	24.15	25.00
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	Tune-up Limit (dBm)
40	Pi/2 BPSK	1	1	24.15	3750	24.20	25.00
Channel				647668	650000	652332	
Frequency (MHz)				3715.02	3750	3764.98	Tune-up Limit (dBm)
30	Pi/2 BPSK	1	1	24.24	3750	24.26	25.00
Channel				647334	650000	652500	
Frequency (MHz)				3712.5	3750	3787.5	Tune-up Limit (dBm)
25	Pi/2 BPSK	1	1	24.27	3750	24.14	25.00
Channel				647334	650000	652666	
Frequency (MHz)				3710.01	3750	3789.99	Tune-up Limit (dBm)
20	Pi/2 BPSK	1	1	24.14	3750	24.14	25.00
Channel				647168	650000	652832	
Frequency (MHz)				3707.52	3750	3792.48	Tune-up Limit (dBm)
15	Pi/2 BPSK	1	1	24.27	3750	24.21	25.00
Channel				647000	650000	653000	
Frequency (MHz)				3705	3750	3795	Tune-up Limit (dBm)
10	Pi/2 BPSK	1	1	24.17	3750	24.21	25.00

<FR1 n77 (270)&FR1 n77 (270)_HPUE_Ant 5_DS14>				Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up Limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset				
Channel				650000	650000	650000	
Frequency (MHz)				3750	3840	3930	
100	Pi/2 BPSK	1	1	22.86	22.87	22.82	24.00
100		1	137	22.39	22.58	22.46	24.00
100		1	271	22.46	22.58	22.45	24.00
100		135	0	22.12	22.14	22.04	23.50
100		135	69	22.49	22.54	22.38	24.00
100		135	138	21.89	22.13	21.91	23.50
100		270	0	21.96	22.15	21.86	23.50
100		1	1	22.35	22.50	22.39	24.00
100		1	137	22.39	22.45	22.36	24.00
100		1	271	22.43	22.47	22.35	24.00
100	QPSK	135	0	21.51	21.62	21.42	23.00
100		135	69	22.36	22.50	22.49	24.00
100		135	138	21.52	21.81	21.39	23.00
100		270	0	21.56	21.54	21.40	23.00
100	16QAM	1	1	21.49	21.57	21.45	23.00
100	64QAM	1	1	20.08	20.27	20.08	21.50
100	256QAM	1	1	18.04	18.18	17.97	19.50
Channel				648668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3743.02	3840	3934.98	
80	Pi/2 BPSK	1	1	22.54	22.59	22.51	24.00
Channel				648334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3840	3935.99	
80	Pi/2 BPSK	1	1	22.86	22.58	22.61	24.00
Channel				649000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	Pi/2 BPSK	1	1	22.83	22.58	22.56	24.00
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
80	Pi/2 BPSK	1	1	22.83	22.65	22.53	24.00
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	Pi/2 BPSK	1	1	22.57	22.58	22.45	24.00
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	Pi/2 BPSK	1	1	22.53	22.57	22.57	24.00
Channel				647868	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	Pi/2 BPSK	1	1	22.54	22.56	22.59	24.00
Channel				647500	650000	654500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	Pi/2 BPSK	1	1	22.58	22.55	22.48	24.00
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	Pi/2 BPSK	1	1	22.58	22.55	22.52	24.00
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	Pi/2 BPSK	1	1	22.62	22.63	22.51	24.00
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	Pi/2 BPSK	1	1	22.56	22.52	22.59	24.00

<FR1 n78 (270)&FR1 n78 (270)_HPUE_Ant 5_DS14>				Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up Limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset				
Channel				648668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3740.02	3750	3762.98	
100	Pi/2 BPSK	1	1	22.61			24.00
100		1	137	22.42			24.00
100		1	271	22.51			24.00
100		135	0	22.15			23.50
100		135	69	22.51			24.00
100		135	138	21.98			23.50
100		270	0	22.02			23.50
100		1	1	22.48			24.00
100		1	137	22.38			24.00
100		1	271	22.38			24.00
100	QPSK	135	0	21.57			23.00
100		135	69	22.38			24.00
100		135	138	21.55			23.00
100		270	0	21.46			23.00
100	16QAM	1	1	21.44			23.00
100	64QAM	1	1	20.17			21.50
100	256QAM	1	1	18.05			19.50
Channel				648668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3740.02	3750	3762.98	
80	Pi/2 BPSK	1	1	22.52	22.57	22.55	24.00
Channel				648334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3769.99	
80	Pi/2 BPSK	1	1	22.36	22.44	22.27	24.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	22.30	22.43	22.29	24.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1	22.33	22.37	22.42	24.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	22.33	22.44	22.38	24.00
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3760	
40	Pi/2 BPSK	1	1	22.38	22.33	22.29	24.00
Channel				647868	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	22.29	22.36	22.30	24.00
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	22.37	22.37	22.42	24.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	22.34	22.36	22.41	24.00
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	22.26	22.45	22.42	24.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	22.37	22.33	22.35	24.00



<FR1 n77 (270)_Ant 8_DS14>								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel Frequency (MHz)				3790	3840	3900		
100	Pi2 BPSK	1	1	19.71	19.88	19.73	21.30	
100		1	137	19.66	19.87	19.67	21.20	
100		1	271	19.61	19.75	19.72	21.20	
100		135	0	19.67	19.83	19.68	21.20	
100		135	69	19.71	19.85	19.65	21.20	
100		135	138	19.68	19.86	19.64	21.20	
100		270	0	19.68	19.80	19.70	21.20	
100		1	1	19.58	19.86	19.59	21.20	
100		1	137	19.56	19.72	19.57	21.20	
100		1	271	19.57	19.75	19.65	21.20	
100	QPSK	135	0	19.66	19.87	19.58	21.20	
100		135	69	19.64	19.76	19.61	21.20	
100		135	138	19.62	19.81	19.67	21.20	
100		270	0	19.61	19.77	19.68	21.20	
100	16QAM	1	1	19.56	19.80	19.60	21.20	
100	64QAM	1	1	18.35	18.63	18.57	20.00	
100	256QAM	1	1	16.55	16.63	16.44	18.00	
Channel Frequency (MHz)				648668	650000	652332	Tune-up Limit (dBm)	
90	Pi2 BPSK	1	1	19.54	19.57	19.71	21.20	
Channel Frequency (MHz)				648334	650000	652666	Tune-up Limit (dBm)	
80	Pi2 BPSK	1	1	19.65	19.79	19.70	21.20	
Channel Frequency (MHz)				648000	650000	653000	Tune-up Limit (dBm)	
70	Pi2 BPSK	1	1	19.66	19.88	19.66	21.20	
Channel Frequency (MHz)				648668	650000	653332	Tune-up Limit (dBm)	
60	Pi2 BPSK	1	1	19.66	19.78	19.59	21.20	
Channel Frequency (MHz)				648334	650000	653666	Tune-up Limit (dBm)	
50	Pi2 BPSK	1	1	19.63	19.56	19.59	21.20	
Channel Frequency (MHz)				648000	650000	654000	Tune-up Limit (dBm)	
40	Pi2 BPSK	1	1	19.71	19.88	19.58	21.20	
Channel Frequency (MHz)				647668	650000	654332	Tune-up Limit (dBm)	
30	Pi2 BPSK	1	1	19.68	19.80	19.58	21.20	
Channel Frequency (MHz)				647500	650000	654500	Tune-up Limit (dBm)	
25	Pi2 BPSK	1	1	19.63	19.84	19.68	21.20	
Channel Frequency (MHz)				647334	650000	654666	Tune-up Limit (dBm)	
20	Pi2 BPSK	1	1	19.66	19.87	19.72	21.20	
Channel Frequency (MHz)				647168	650000	654832	Tune-up Limit (dBm)	
15	Pi2 BPSK	1	1	19.71	19.74	19.71	21.20	
Channel Frequency (MHz)				647000	650000	655000	Tune-up Limit (dBm)	
10	Pi2 BPSK	1	1	19.63	19.73	19.71	21.20	

<FR1 n77 (270)_HPUE_Ant 8_DS14>								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel Frequency (MHz)				3790	3840	3900		
100	Pi2 BPSK	1	1	22.65	22.91	22.52	24.20	
100		1	137	22.49	22.88	22.74	24.20	
100		1	271	22.63	22.77	22.79	24.20	
100		135	0	22.53	22.78	22.80	24.20	
100		135	69	22.73	22.88	22.75	24.20	
100		135	138	22.52	22.76	22.66	24.20	
100		270	0	22.60	22.76	22.67	24.20	
100		1	1	22.62	22.86	22.71	24.20	
100		1	137	22.36	22.87	22.46	24.20	
100		1	271	22.59	22.76	22.77	24.20	
100	QPSK	135	0	22.58	22.81	22.69	24.20	
100		135	69	22.54	22.79	22.78	24.20	
100		135	138	22.57	22.78	22.72	24.20	
100		270	0	22.59	22.79	22.73	24.20	
100	16QAM	1	1	22.57	22.88	22.69	24.20	
100	64QAM	1	1	21.46	21.59	21.49	23.00	
100	256QAM	1	1	19.54	19.74	19.47	21.00	
Channel Frequency (MHz)				648668	650000	652332	Tune-up Limit (dBm)	
90	Pi2 BPSK	1	1	22.56	22.79	22.71	24.20	
Channel Frequency (MHz)				648334	650000	652666	Tune-up Limit (dBm)	
80	Pi2 BPSK	1	1	22.63	22.79	22.68	24.20	
Channel Frequency (MHz)				648000	650000	653000	Tune-up Limit (dBm)	
70	Pi2 BPSK	1	1	22.52	22.80	22.75	24.20	
Channel Frequency (MHz)				648668	650000	653332	Tune-up Limit (dBm)	
60	Pi2 BPSK	1	1	22.62	22.81	22.74	24.20	
Channel Frequency (MHz)				648334	650000	653666	Tune-up Limit (dBm)	
50	Pi2 BPSK	1	1	22.56	22.85	22.67	24.20	
Channel Frequency (MHz)				648000	650000	654000	Tune-up Limit (dBm)	
40	Pi2 BPSK	1	1	22.58	22.87	22.79	24.20	
Channel Frequency (MHz)				647668	650000	654332	Tune-up Limit (dBm)	
30	Pi2 BPSK	1	1	22.62	22.77	22.73	24.20	
Channel Frequency (MHz)				647500	650000	654500	Tune-up Limit (dBm)	
25	Pi2 BPSK	1	1	22.56	22.76	22.81	24.20	
Channel Frequency (MHz)				647334	650000	654666	Tune-up Limit (dBm)	
20	Pi2 BPSK	1	1	22.53	22.77	22.73	24.20	
Channel Frequency (MHz)				647168	650000	654832	Tune-up Limit (dBm)	
15	Pi2 BPSK	1	1	22.63	22.83	22.78	24.20	
Channel Frequency (MHz)				647000	650000	655000	Tune-up Limit (dBm)	
10	Pi2 BPSK	1	1	22.48	22.86	22.79	24.20	

<FR1 n78 (270)_Ant 8_DSI4>

Power Low Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
100	1	1	21.20
100	1	137	21.20
100	1	271	21.20
100	135	0	21.20
100	135	69	21.20
100	135	138	21.20
100	270	0	21.20
100	1	1	21.20
100	1	137	21.20
100	1	271	21.20
100	135	0	21.20
100	135	69	21.20
100	135	138	21.20
100	270	0	21.20
100	16QAM	1	21.20
100	64QAM	1	20.00
100	256QAM	1	18.00
Channel	648668	650000	650332
Frequency (MHz)	3745.02	3750	3754.98
90	19.92	19.79	19.63
Channel	648334	650000	650666
Frequency (MHz)	3740.01	3750	3759.99
80	19.61	19.61	19.64
Channel	649000	650000	651000
Frequency (MHz)	3735	3750	3765
70	19.49	19.72	19.64
Channel	648668	650000	651332
Frequency (MHz)	3730.02	3750	3769.98
60	19.47	19.78	19.66
Channel	648334	650000	651666
Frequency (MHz)	3725.01	3750	3774.99
50	19.35	19.71	19.61
Channel	649000	650000	652000
Frequency (MHz)	3720	3750	3760
40	19.06	19.72	19.65
Channel	647668	650000	652332
Frequency (MHz)	3715.02	3750	3784.98
30	19.48	19.77	19.62
Channel	647500	650000	652500
Frequency (MHz)	3712.5	3750	3787.5
25	19.98	19.78	19.56
Channel	647334	650000	652666
Frequency (MHz)	3710.01	3750	3789.99
20	19.61	19.72	19.63
Channel	647166	650000	652832
Frequency (MHz)	3707.52	3750	3792.48
15	19.50	19.82	19.56
Channel	647000	650000	653000
Frequency (MHz)	3705	3750	3795
10	19.48	19.73	19.59

<FR1 n78 (270)_HPUE_Ant 8_DSI4>

Power Low Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
Channel	Channel	Channel	Channel
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
100	1	1	24.20
100	1	137	24.20
100	1	271	24.20
100	135	0	24.20
100	135	69	24.20
100	135	138	24.20
100	270	0	24.20
100	1	1	24.20
100	1	137	24.20
100	1	271	24.20
100	135	0	24.20
100	135	69	24.20
100	135	138	24.20
100	270	0	24.20
100	16QAM	1	24.20
100	64QAM	1	23.00
100	256QAM	1	21.00
Channel	648668	650000	650332
Frequency (MHz)	3745.02	3750	3754.98
90	22.43	22.66	22.54
Channel	648334	650000	650666
Frequency (MHz)	3740.01	3750	3759.99
80	22.40	22.68	22.61
Channel	649000	650000	651000
Frequency (MHz)	3735	3750	3765
70	22.51	22.66	22.62
Channel	648668	650000	651332
Frequency (MHz)	3730.02	3750	3769.98
60	22.49	22.61	22.67
Channel	648334	650000	651666
Frequency (MHz)	3725.01	3750	3774.99
50	22.38	22.61	22.64
Channel	649000	650000	652000
Frequency (MHz)	3720	3750	3760
40	22.38	22.75	22.60
Channel	647668	650000	652332
Frequency (MHz)	3715.02	3750	3784.98
30	22.46	22.64	22.63
Channel	647500	650000	652500
Frequency (MHz)	3712.5	3750	3787.5
25	22.47	22.72	22.57
Channel	647334	650000	652666
Frequency (MHz)	3710.01	3750	3789.99
20	22.43	22.66	22.58
Channel	647166	650000	652832
Frequency (MHz)	3707.52	3750	3792.48
15	22.44	22.64	22.61
Channel	647000	650000	653000
Frequency (MHz)	3705	3750	3795
10	22.53	22.71	22.67

<FR1 n77 (270)&FR1 n77 (270)_HPUE_Ant 4_DS14>				Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up Limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset				
Channel				650000	650000	650000	
Frequency (MHz)				3750	3840	3930	
100	Pi/2 BPSK	1	1	22.55	22.70	22.68	24.00
100		1	137	22.53	22.61	22.45	24.00
100		1	271	22.44	22.55	22.55	24.00
100		135	0	21.93	22.18	21.92	23.50
100		135	69	22.43	22.64	22.52	24.00
100		135	138	21.88	22.13	21.95	23.50
100		270	0	22.00	22.09	22.03	23.50
100		1	1	22.49	22.59	22.39	24.00
100		1	137	22.41	22.36	22.46	24.00
100		1	271	22.48	22.65	22.40	24.00
100	QPSK	135	0	21.82	21.72	21.64	23.00
100		135	69	22.34	22.61	22.45	24.00
100		135	138	21.45	21.61	21.50	23.00
100		270	0	21.80	21.62	21.59	23.00
100	16QAM	1	1	21.56	21.67	21.43	23.00
100	64QAM	1	1	20.15	20.26	20.13	21.50
100	256QAM	1	1	17.98	18.21	18.14	19.50
Channel				648668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3743.02	3840	3934.98	
80	Pi/2 BPSK	1	1	22.55	22.62	22.60	24.00
Channel				648334	650000	652666	
Frequency (MHz)				3740.01	3840	3939.99	Tune-up Limit (dBm)
80	Pi/2 BPSK	1	1	22.51	22.61	22.53	24.00
Channel				649000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	Pi/2 BPSK	1	1	22.42	22.57	22.61	24.00
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	Pi/2 BPSK	1	1	22.43	22.59	22.54	24.00
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	Pi/2 BPSK	1	1	22.45	22.60	22.58	24.00
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	Pi/2 BPSK	1	1	22.43	22.61	22.61	24.00
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	Pi/2 BPSK	1	1	22.41	22.66	22.62	24.00
Channel				647000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	Pi/2 BPSK	1	1	22.44	22.63	22.58	24.00
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	Pi/2 BPSK	1	1	22.54	22.69	22.57	24.00
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	Pi/2 BPSK	1	1	22.43	22.65	22.57	24.00
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	Pi/2 BPSK	1	1	22.43	22.55	22.66	24.00

<FR1 n78 (270)&FR1 n78 (270)_HPUE_Ant 4_DS14>				Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up Limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset				
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	Pi/2 BPSK	1	1		22.55		24.00
100		1	137		22.54		24.00
100		1	271		22.48		24.00
100		135	0		22.04		23.50
100		135	69		22.54		24.00
100		135	138		22.06		23.50
100		270	0		21.99		23.50
100		1	1		22.69		24.00
100		1	137		22.54		24.00
100		1	271		22.52		24.00
100	QPSK	135	0		21.58		23.00
100		135	69		22.58		24.00
100		135	138		21.49		23.00
100		270	0		21.56		23.00
100	16QAM	1	1		21.52		23.00
100	64QAM	1	1		20.25		21.50
100	256QAM	1	1		18.10		19.50
Channel				648668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3743.02	3750	3754.98	
80	Pi/2 BPSK	1	1		22.48	22.53	24.00
Channel				648334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		22.42	22.62	24.00
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		22.48	22.56	24.00
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		22.51	22.62	24.00
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		22.45	22.52	24.00
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3760	
40	Pi/2 BPSK	1	1		22.43	22.52	24.00
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		22.47	22.55	24.00
Channel				647000	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		22.41	22.61	24.00
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		22.52	22.47	24.00
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		22.53	22.59	24.00
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		22.52	22.63	24.00

Reduced Power Mode for PA (Reference Designator) DSI 6

FR1 n41_Ant 0_DSI6								
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	Tune-up Limit (dBm)	
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	22.10	22.19	22.12	23.00	
100		1	137	22.02	22.16	22.08	23.00	
100		1	271	21.95	22.01	21.91	23.00	
100		135	0	21.52	21.61	21.61	22.50	
100		135	69	22.00	22.06	21.94	23.00	
100		135	138	21.48	21.56	21.56	22.50	
100		270	0	21.56	21.63	21.57	22.50	
100		1	1	22.00	22.10	21.80	23.00	
100		1	137	21.93	22.03	21.85	23.00	
100		1	271	21.90	22.06	21.87	23.00	
100	QPSK	135	0	21.02	21.14	20.97	22.00	
100		135	69	21.86	21.95	21.94	23.00	
100		135	138	20.88	21.09	20.97	22.00	
100		270	0	20.97	21.11	20.87	22.00	
100		16QAM	1	1	20.86	21.07	20.87	22.00
100		64QAM	1	1	19.65	19.74	19.46	20.50
100		256QAM	1	1	17.49	17.59	17.55	18.50
Channel				508200	518598	528996	Tune-up Limit (dBm)	
Frequency (MHz)				2541	2592.99	2644.98		
90		PI2 BPSK	1	1	22.00	22.14	22.09	23.00
Channel				507204	518598	529998	Tune-up Limit (dBm)	
Frequency (MHz)				2538.02	2592.99	2649.99		
80	PI2 BPSK	1	1	21.95	22.07	22.00	23.00	
Channel				506202	518598	531000	Tune-up Limit (dBm)	
Frequency (MHz)				2531.01	2592.99	2655		
70	PI2 BPSK	1	1	21.99	22.04	22.11	23.00	
Channel				505200	518598	531996	Tune-up Limit (dBm)	
Frequency (MHz)				2526	2592.99	2659.98		
60	PI2 BPSK	1	1	21.96	22.08	21.99	23.00	
Channel				504204	518598	532998	Tune-up Limit (dBm)	
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI2 BPSK	1	1	22.01	22.08	22.07	23.00	
Channel				503700	518598	533496	Tune-up Limit (dBm)	
Frequency (MHz)				2518.5	2592.99	2667.48		
45	PI2 BPSK	1	1	21.97	22.08	22.06	23.00	
Channel				503202	518598	534000	Tune-up Limit (dBm)	
Frequency (MHz)				2516.01	2592.99	2670		
40	PI2 BPSK	1	1	21.98	22.04	22.06	23.00	
Channel				502704	518598	534498	Tune-up Limit (dBm)	
Frequency (MHz)				2513.52	2592.99	2672.49		
35	PI2 BPSK	1	1	22.00	22.05	22.07	23.00	
Channel				502200	518598	534996	Tune-up Limit (dBm)	
Frequency (MHz)				2511	2592.99	2674.98		
30	PI2 BPSK	1	1	22.10	22.19	22.09	23.00	
Channel				501702	518598	535500	Tune-up Limit (dBm)	
Frequency (MHz)				2508.51	2592.99	2677.5		
25	PI2 BPSK	1	1	21.97	22.13	21.97	23.00	
Channel				501204	518598	535998	Tune-up Limit (dBm)	
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI2 BPSK	1	1	22.02	22.11	22.02	23.00	
Channel				500700	518598	536496	Tune-up Limit (dBm)	
Frequency (MHz)				2503.5	2592.99	2682.48		
15	PI2 BPSK	1	1	21.96	22.17	21.99	23.00	
Channel				500202	518598	537000	Tune-up Limit (dBm)	
Frequency (MHz)				2501.01	2592.99	2685		
10	PI2 BPSK	1	1	22.10	22.09	22.03	23.00	



<FR1 n7_Ant 1_DS16>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up Limit (dBm)
Channel				504000	507000	510000	
Frequency (MHz)				2525	2535	2550	
40	Pi2 BPSK	1	1	19.80	20.03	19.96	21.60
40		1	108	19.64	19.86	19.89	21.60
40		1	214	19.78	19.86	19.79	21.60
40		108	0	19.72	19.99	19.80	21.60
40		108	54	19.89	20.02	19.97	21.60
40		108	108	19.77	19.91	19.93	21.60
40		216	0	19.79	19.96	19.88	21.60
40		1	1	19.79	20.00	19.90	21.60
40		1	108	19.68	19.88	19.90	21.60
40		1	214	19.79	19.84	19.91	21.60
40	QPSK	108	0	19.70	19.83	19.91	21.60
40		108	54	19.71	19.98	19.82	21.60
40		108	108	19.68	19.95	19.83	21.60
40		216	0	19.63	19.99	19.92	21.60
40	16QAM	1	1	19.70	19.95	19.92	21.60
40	64QAM	1	1	18.63	18.69	18.73	20.30
40	256QAM	1	1	16.61	16.75	16.61	18.30
Channel				503000	507000	510000	Tune-up Limit (dBm)
Frequency (MHz)				2517.5	2535	2552.5	
35	Pi2 BPSK	1	1	19.69	19.83	19.82	21.60
Channel				502000	507000	511000	Tune-up Limit (dBm)
Frequency (MHz)				2515	2533	2551	
30	Pi2 BPSK	1	1	19.68	20.02	19.85	21.60
Channel				502000	507000	511500	Tune-up Limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	Pi2 BPSK	1	1	19.77	19.97	19.88	21.60
Channel				502000	507000	512000	Tune-up Limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	Pi2 BPSK	1	1	19.69	19.99	19.80	21.60
Channel				501000	507000	512500	Tune-up Limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	Pi2 BPSK	1	1	19.71	19.80	19.85	21.60
Channel				501000	507000	513000	Tune-up Limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	Pi2 BPSK	1	1	19.63	19.92	19.94	21.60
Channel				500000	507000	513500	Tune-up Limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	Pi2 BPSK	1	1	19.78	19.95	19.89	21.60



<FR1 nM1_Ant 1_DSi6>							
BW (MHz)	Modulation	Channel	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq
		Channel			509202	518598	528000
		Frequency (MHz)			2546.01	2592.99	2644.98
100	Pi/2 BPSK	1	1		19.68	19.63	19.60
100		1	137		19.61	19.72	19.76
100		1	271		19.51	19.67	19.73
100		135	0		19.53	19.65	19.72
100		135	69		19.68	19.80	19.72
100		135	138		19.55	19.75	19.76
100		270	0		19.61	19.71	19.74
100		1	1		19.61	19.65	19.69
100		1	137		19.54	19.78	19.71
100		1	271		19.52	19.77	19.82
100	QPSK	135	0		19.65	19.79	19.72
100		135	69		19.68	19.73	19.74
100		135	138		19.66	19.77	19.77
100		270	0		19.54	19.80	19.64
100	16QAM	1	1		19.58	19.71	19.71
100	64QAM	1	1		19.58	19.56	19.52
100	256QAM	1	1		17.35	17.55	17.43
		Channel			508200	518598	528996
		Frequency (MHz)			2541	2592.99	2644.98
90	Pi/2 BPSK	1	1		19.51	19.71	19.69
		Channel			507204	518598	529996
		Frequency (MHz)			2536.02	2592.99	2649.98
80	Pi/2 BPSK	1	1		19.52	19.80	19.72
		Channel			506202	518598	531000
		Frequency (MHz)			2531.01	2592.99	2655
70	Pi/2 BPSK	1	1		19.65	19.72	19.72
		Channel			505200	518598	531996
		Frequency (MHz)			2526	2592.99	2659.98
60	Pi/2 BPSK	1	1		19.51	19.76	19.69
		Channel			504204	518598	532998
		Frequency (MHz)			2521.02	2592.99	2664.99
50	Pi/2 BPSK	1	1		19.61	19.67	19.76
		Channel			503700	518598	533996
		Frequency (MHz)			2516.5	2592.99	2667.48
45	Pi/2 BPSK	1	1		19.55	19.77	19.75
		Channel			503202	518598	534000
		Frequency (MHz)			2516.01	2592.99	2670
40	Pi/2 BPSK	1	1		19.63	19.76	19.70
		Channel			502704	518598	534498
		Frequency (MHz)			2513.52	2592.99	2672.49
35	Pi/2 BPSK	1	1		19.50	19.73	19.77
		Channel			502200	518598	534996
		Frequency (MHz)			2511	2592.99	2674.98
30	Pi/2 BPSK	1	1		19.62	19.65	19.71
		Channel			501702	518598	535500
		Frequency (MHz)			2508.51	2592.99	2677.5
25	Pi/2 BPSK	1	1		19.56	19.79	19.75
		Channel			501204	518598	535998
		Frequency (MHz)			2506.02	2592.99	2679.99
20	Pi/2 BPSK	1	1		19.62	19.79	19.73
		Channel			500700	518598	536496
		Frequency (MHz)			2503.5	2592.99	2682.48
15	Pi/2 BPSK	1	1		19.64	19.72	19.78
		Channel			500202	518598	537000
		Frequency (MHz)			2501.01	2592.99	2685
10	Pi/2 BPSK	1	1		19.53	19.74	19.67

<FR1 nM1_HPUE_Ant 1_DSi6>							
BW (MHz)	Modulation	Channel	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq
		Channel			509202	518598	528000
		Frequency (MHz)			2546.01	2592.99	2644.98
100	Pi/2 BPSK	1	1		22.69	22.77	22.66
100		1	137		22.54	22.59	22.60
100		1	271		22.57	22.70	22.58
100		135	0		22.60	22.60	22.63
100		135	69		22.68	22.70	22.63
100		135	138		22.63	22.66	22.59
100		270	0		22.55	22.66	22.63
100		1	1		22.52	22.66	22.63
100		1	137		22.51	22.60	22.55
100		1	271		22.49	22.76	22.52
100	QPSK	135	0		22.64	22.66	22.58
100		135	69		22.63	22.62	22.53
100		135	138		22.64	22.65	22.63
100		270	0		22.59	22.69	22.51
100	16QAM	1	1		22.68	22.67	22.51
100	64QAM	1	1		22.48	22.57	22.48
100	256QAM	1	1		20.26	20.52	20.51
		Channel			508200	518598	528996
		Frequency (MHz)			2541	2592.99	2644.98
90	Pi/2 BPSK	1	1		22.60	22.68	22.52
		Channel			507204	518598	529996
		Frequency (MHz)			2536.02	2592.99	2649.98
80	Pi/2 BPSK	1	1		22.54	22.61	22.58
		Channel			506202	518598	531000
		Frequency (MHz)			2531.01	2592.99	2655
70	Pi/2 BPSK	1	1		22.67	22.64	22.51
		Channel			505200	518598	531996
		Frequency (MHz)			2526	2592.99	2659.98
60	Pi/2 BPSK	1	1		22.64	22.71	22.61
		Channel			504204	518598	532998
		Frequency (MHz)			2521.02	2592.99	2664.99
50	Pi/2 BPSK	1	1		22.56	22.62	22.61
		Channel			503700	518598	533996
		Frequency (MHz)			2516.5	2592.99	2667.48
45	Pi/2 BPSK	1	1		22.63	22.72	22.58
		Channel			503202	518598	534000
		Frequency (MHz)			2516.01	2592.99	2670
40	Pi/2 BPSK	1	1		22.56	22.59	22.56
		Channel			502704	518598	534498
		Frequency (MHz)			2513.52	2592.99	2672.49
35	Pi/2 BPSK	1	1		22.66	22.61	22.49
		Channel			502200	518598	534996
		Frequency (MHz)			2511	2592.99	2674.98
30	Pi/2 BPSK	1	1		22.63	22.72	22.59
		Channel			501702	518598	535500
		Frequency (MHz)			2508.51	2592.99	2677.5
25	Pi/2 BPSK	1	1		22.52	22.75	22.60
		Channel			501204	518598	535998
		Frequency (MHz)			2506.02	2592.99	2679.99
20	Pi/2 BPSK	1	1		22.62	22.73	22.49
		Channel			500700	518598	536496
		Frequency (MHz)			2503.5	2592.99	2682.48
15	Pi/2 BPSK	1	1		22.61	22.76	22.49
		Channel			500202	518598	537000
		Frequency (MHz)			2501.01	2592.99	2685
10	Pi/2 BPSK	1	1		22.57	22.61	22.57



<FR1 n25_Ant 2_DS16>							
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	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	21.31	21.40	21.34	23.00
40		1	108	21.35	21.44	21.31	23.00
40		1	214	21.30	21.36	21.33	23.00
40		108	0	20.89	21.00	20.68	22.50
40		108	54	21.11	21.25	21.23	23.00
40		108	108	20.63	20.78	20.91	22.50
40		216	0	20.90	20.72	20.69	22.50
40		1	1	21.34	21.33	21.33	23.00
40		1	108	21.32	21.30	21.23	23.00
40		1	214	21.08	21.28	21.33	23.00
40	QPSK	108	0	20.40	20.53	20.39	22.00
40		108	54	21.31	21.32	21.21	23.00
40		108	108	20.21	20.46	20.34	22.00
40		216	0	20.27	20.48	20.38	22.00
40	16QAM	1	1	20.30	20.48	20.36	22.00
40	64QAM	1	1	18.95	18.90	18.73	20.50
40	256QAM	1	1	16.69	16.88	16.70	18.50
Channel				373500	376500	379500	
Frequency (MHz)				1867.5	1882.5	1897.5	
35	PI/2 BPSK	1	1	21.27	21.37	21.24	23.00
Channel				373000	376500	380000	
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	21.26	21.38	21.31	23.00
Channel				372500	376500	380500	
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	21.28	21.44	21.29	23.00
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	21.17	21.42	21.28	23.00
Channel				371500	376500	381500	
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	21.31	21.40	21.24	23.00
Channel				371000	376500	382000	
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	21.24	21.38	21.23	23.00
Channel				370500	376500	382500	
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	21.27	21.36	21.18	23.00

<FR1 n66_Ant 2_DS16>							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up Limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1722.5	1745	1767.5	
45	PI/2 BPSK	1	1	21.87	22.00	21.96	23.00
45		1	120	21.85	21.80	21.78	23.00
45		1	240	21.74	21.85	21.68	23.00
45		120	0	21.14	21.28	20.99	22.50
45		120	60	21.74	21.78	21.66	23.00
45		120	120	21.12	21.19	21.22	22.50
45		240	0	21.19	21.25	21.21	22.50
45		1	1	21.85	21.88	21.64	23.00
45		1	120	21.84	21.86	21.88	23.00
45		1	240	21.72	21.81	21.76	23.00
45	QPSK	120	0	20.72	20.91	20.77	22.00
45		120	60	21.77	21.93	21.79	23.00
45		120	120	20.69	20.69	20.72	22.00
45		240	0	20.67	20.92	20.80	22.00
45	16QAM	1	1	20.76	20.85	20.83	22.00
45	64QAM	1	1	19.16	19.38	19.22	20.50
45	256QAM	1	1	17.00	17.09	17.07	18.50
Channel				346000	349000	352000	
Frequency (MHz)				1720	1745	1760	
40	PI/2 BPSK	1	1	21.74	21.87	21.96	23.00
Channel				345500	349000	352500	
Frequency (MHz)				1722.5	1745	1762.5	
35	PI/2 BPSK	1	1	21.85	21.90	21.87	23.00
Channel				345000	349000	353000	
Frequency (MHz)				1720	1745	1765	
30	PI/2 BPSK	1	1	21.86	21.99	21.86	23.00
Channel				344500	349000	353500	
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	21.76	21.97	21.82	23.00
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	21.79	21.87	21.94	23.00
Channel				343500	349000	354500	
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.79	21.97	21.93	23.00
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	21.86	21.98	21.92	23.00
Channel				342500	349000	355500	
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.76	21.89	21.93	23.00



<FR1 n77 (270)_Ant 7_DS16>							
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	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3790	3840	3940	
100	Pi2 BPSK	1	1	19.84	19.96	19.89	20.50
100		1	137	19.81	19.94	19.83	20.50
100		1	271	19.81	19.89	19.78	20.50
100		135	0	19.83	19.91	19.86	20.50
100		135	69	19.92	19.95	19.94	20.50
100		135	138	19.76	19.81	19.83	20.50
100		270	0	19.68	19.87	19.74	20.50
100		1	1	19.75	19.86	19.79	20.50
100		1	137	19.76	19.88	19.81	20.50
100		1	271	19.76	19.95	19.85	20.50
100	QPSK	135	0	19.75	19.92	19.85	20.50
100		135	69	19.81	19.92	19.79	20.50
100		135	138	19.73	19.83	19.85	20.50
100		270	0	19.74	19.88	19.82	20.50
100	16QAM	1	1	19.78	19.93	19.82	20.50
100	64QAM	1	1	19.73	19.90	19.78	20.50
100	256QAM	1	1	17.81	18.03	17.92	18.50
Channel				649668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	Tune-up Limit (dBm)
90	Pi2 BPSK	1	1	19.77	19.92	19.86	
Channel				648334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	Tune-up Limit (dBm)
80	Pi2 BPSK	1	1	19.83	19.81	19.77	
Channel				649000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	Tune-up Limit (dBm)
70	Pi2 BPSK	1	1	19.78	19.94	19.74	
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	Tune-up Limit (dBm)
60	Pi2 BPSK	1	1	19.75	19.92	19.79	
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	Tune-up Limit (dBm)
50	Pi2 BPSK	1	1	19.76	19.92	19.84	
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	Tune-up Limit (dBm)
40	Pi2 BPSK	1	1	19.73	19.87	19.73	
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	Tune-up Limit (dBm)
30	Pi2 BPSK	1	1	19.77	19.90	19.83	
Channel				647500	650000	654500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	Tune-up Limit (dBm)
25	Pi2 BPSK	1	1	19.82	19.81	19.76	
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	Tune-up Limit (dBm)
20	Pi2 BPSK	1	1	19.76	19.96	19.86	
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	Tune-up Limit (dBm)
15	Pi2 BPSK	1	1	19.76	19.87	19.83	
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	Tune-up Limit (dBm)
10	Pi2 BPSK	1	1	19.73	19.83	19.88	

<FR1 n77 (270)_HPUE_Ant 7_DS16>							
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	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3790	3840	3940	
100	Pi2 BPSK	1	1	22.87	22.99	22.92	23.50
100		1	137	22.85	22.90	22.89	23.50
100		1	271	22.78	22.87	22.74	23.50
100		135	0	22.86	22.93	22.89	23.50
100		135	69	22.95	22.97	22.95	23.50
100		135	138	22.81	22.74	22.82	23.50
100		270	0	22.76	22.85	22.75	23.50
100		1	1	22.79	22.84	22.72	23.50
100		1	137	22.78	22.83	22.88	23.50
100		1	271	22.85	22.98	22.88	23.50
100	QPSK	135	0	22.68	22.92	22.87	23.50
100		135	69	22.86	22.88	22.72	23.50
100		135	138	22.73	22.77	22.82	23.50
100		270	0	22.77	22.85	22.80	23.50
100	16QAM	1	1	22.86	22.87	22.80	23.50
100	64QAM	1	1	21.61	21.86	21.74	22.85
100	256QAM	1	1	19.86	19.87	19.97	20.50
Channel				649668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	Tune-up Limit (dBm)
90	Pi2 BPSK	1	1	22.83	22.84	22.79	
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	Tune-up Limit (dBm)
80	Pi2 BPSK	1	1	22.83	22.89	22.91	
Channel				649000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	Tune-up Limit (dBm)
70	Pi2 BPSK	1	1	22.81	22.89	22.86	
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	Tune-up Limit (dBm)
60	Pi2 BPSK	1	1	22.76	22.92	22.78	
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	Tune-up Limit (dBm)
50	Pi2 BPSK	1	1	22.76	22.95	22.86	
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	Tune-up Limit (dBm)
40	Pi2 BPSK	1	1	22.80	22.88	22.88	
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	Tune-up Limit (dBm)
30	Pi2 BPSK	1	1	22.83	22.98	22.90	
Channel				647500	650000	654500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	Tune-up Limit (dBm)
25	Pi2 BPSK	1	1	22.74	22.94	22.77	
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	Tune-up Limit (dBm)
20	Pi2 BPSK	1	1	22.78	22.90	22.87	
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	Tune-up Limit (dBm)
15	Pi2 BPSK	1	1	22.86	22.88	22.77	
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	Tune-up Limit (dBm)
10	Pi2 BPSK	1	1	22.72	22.89	22.87	



<FR1 n78 (270)_Ant 7_DS16>				Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
BW (MHz)	Modulation	RB Size	RB Offset				
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
100	Pi/2 BPSK	1	1	19.87	19.88	19.79	20.50
100		1	137	19.90			20.50
100		1	271	19.78			20.50
100		135	0	19.79			20.50
100		135	69	19.77			20.50
100		135	138	19.77			20.50
100		270	0	19.77			20.50
100		1	1	19.70			20.50
100		1	137	19.72			20.50
100		1	271	19.79			20.50
100	QPSK	135	0	19.84			20.50
100		135	69	19.79			20.50
100		135	138	19.76			20.50
100		270	0	19.78			20.50
100	16QAM	1	1	19.84			20.50
100	64QAM	1	1	19.83			20.50
100	256QAM	1	1	17.85			19.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	19.87	19.88	19.79	20.50
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	19.84	19.85	19.77	20.50
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	19.81	19.80	19.79	20.50
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1	19.70	19.79	19.83	20.50
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	19.87	19.83	19.79	20.50
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	19.81	19.82	19.80	20.50
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	19.71	19.79	19.81	20.50
Channel				647300	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	19.85	19.82	19.81	20.50
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	19.82	19.81	19.83	20.50
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	19.74	19.89	19.80	20.50
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	19.68	19.86	19.77	20.50

<FR1 n78 (270)_HPUE_Ant 7_DS16>				Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
BW (MHz)	Modulation	RB Size	RB Offset				
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
100	Pi/2 BPSK	1	1	22.72	22.76	22.69	23.50
100		1	137	22.80			23.50
100		1	271	22.71			23.50
100		135	0	22.76			23.50
100		135	69	22.88			23.50
100		135	138	22.64			23.50
100		270	0	22.80			23.50
100		1	1	22.66			23.50
100		1	137	22.65			23.50
100		1	271	22.67			23.50
100	QPSK	135	0	22.80			23.50
100		135	69	22.75			23.50
100		135	138	22.64			23.50
100		270	0	22.79			23.50
100	16QAM	1	1	22.81			23.50
100	64QAM	1	1	21.77			22.50
100	256QAM	1	1	19.74			20.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	22.72	22.76	22.69	23.50
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	22.69	22.78	22.66	23.50
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	22.77	22.70	22.67	23.50
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1	22.67	22.78	22.73	23.50
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	22.79	22.79	22.71	23.50
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1	22.78	22.74	22.65	23.50
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	22.66	22.77	22.61	23.50
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	22.70	22.70	22.66	23.50
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	22.72	22.69	22.70	23.50
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	22.65	22.76	22.70	23.50
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	22.68	22.77	22.64	23.50



FR1 n77 (270)&FR1 n77 (270)_HPUE_Ant 5_DS16>							
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	650000	650000	
Frequency (MHz)				3750	3840	3930	
100	Pi/2 BPSK	1	1	21.49	21.51	21.45	22.90
100		1	137	21.45	21.40	21.35	22.90
100		1	271	21.42	21.42	21.37	22.90
100		135	0	21.37	21.41	21.36	22.90
100		135	69	21.45	21.50	21.43	22.90
100		135	138	21.35	21.36	21.42	22.90
100		270	0	21.32	21.38	21.32	22.90
100		1	1	21.41	21.46	21.35	22.90
100		1	137	21.42	21.39	21.36	22.90
100		1	271	21.35	21.41	21.39	22.90
100	QPSK	135	0	21.32	21.35	21.38	22.90
100		135	69	21.47	21.41	21.41	22.90
100		135	138	21.44	21.42	21.39	22.90
100		270	0	21.45	21.47	21.36	22.90
100	16QAM	1	1	21.36	21.33	21.29	22.90
100	64QAM	1	1	20.08	20.27	20.08	21.50
100	256QAM	1	1	18.04	18.16	17.97	19.50
Channel				649668	650000	652332	
Frequency (MHz)				3745.02	3840	3949.98	Tune-up Limit (dBm)
90	Pi/2 BPSK	1	1	21.36	21.43	21.34	22.90
Channel				648334	650000	652666	
Frequency (MHz)				3740.01	3840	3939.99	Tune-up Limit (dBm)
80	Pi/2 BPSK	1	1	21.35	21.37	21.41	22.90
Channel				649000	650000	653000	
Frequency (MHz)				3735	3840	3945	Tune-up Limit (dBm)
70	Pi/2 BPSK	1	1	21.36	21.48	21.35	22.90
Channel				648668	650000	653332	
Frequency (MHz)				3730.02	3840	3949.98	Tune-up Limit (dBm)
60	Pi/2 BPSK	1	1	21.36	21.35	21.36	22.90
Channel				648334	650000	653666	
Frequency (MHz)				3725.01	3840	3954.99	Tune-up Limit (dBm)
50	Pi/2 BPSK	1	1	21.44	21.37	21.42	22.90
Channel				649000	650000	654000	
Frequency (MHz)				3720	3840	3960	Tune-up Limit (dBm)
40	Pi/2 BPSK	1	1	21.46	21.43	21.29	22.90
Channel				647668	650000	654332	
Frequency (MHz)				3715.02	3840	3964.98	Tune-up Limit (dBm)
30	Pi/2 BPSK	1	1	21.35	21.47	21.42	22.90
Channel				647000	650000	654000	
Frequency (MHz)				3712.5	3840	3967.5	Tune-up Limit (dBm)
25	Pi/2 BPSK	1	1	21.45	21.43	21.33	22.90
Channel				647334	650000	654666	
Frequency (MHz)				3710.01	3840	3969.99	Tune-up Limit (dBm)
20	Pi/2 BPSK	1	1	21.32	21.43	21.36	22.90
Channel				647166	650000	654832	
Frequency (MHz)				3707.52	3840	3972.48	Tune-up Limit (dBm)
15	Pi/2 BPSK	1	1	21.34	21.35	21.31	22.90
Channel				647000	650000	655000	
Frequency (MHz)				3705	3840	3975	Tune-up Limit (dBm)
10	Pi/2 BPSK	1	1	21.42	21.36	21.37	22.90

FR1 n78 (270)&FR1 n78 (270)_HPUE_Ant 5_DS16>							
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	PI2 BPSK	1	1		21.46		22.90
100		1	137		21.33		22.90
100		1	271		21.34		22.90
100		135	0		21.31		22.90
100		135	69		21.45		22.90
100		135	138		21.26		22.90
100		270	0		21.30		22.90
100		1	1		21.34		22.90
100		1	137		21.32		22.90
100		1	271		21.37		22.90
100	QPSK	135	0		21.27		22.90
100		135	69		21.32		22.90
100		135	138		21.30		22.90
100		270	0		21.33		22.90
100	16QAM	1	1		21.36		22.90
100	64QAM	1	1		20.18		21.50
100	256QAM	1	1		18.02		19.50
Channel				648668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02		3754.98	
90	PI2 BPSK	1	1	21.27	21.26	21.25	22.90
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI2 BPSK	1	1	21.29	21.39	21.19	22.90
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI2 BPSK	1	1	21.28	21.28	21.24	22.90
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI2 BPSK	1	1	21.29	21.36	21.30	22.90
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI2 BPSK	1	1	21.25	21.31	21.19	22.90
Channel				649000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI2 BPSK	1	1	21.28	21.36	21.22	22.90
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	PI2 BPSK	1	1	21.23	21.34	21.20	22.90
Channel				647000	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	PI2 BPSK	1	1	21.28	21.34	21.19	22.90
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI2 BPSK	1	1	21.21	21.27	21.24	22.90
Channel				647166	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI2 BPSK	1	1	21.21	21.40	21.19	22.90
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI2 BPSK	1	1	21.30	21.35	21.16	22.90



<FR1 n77 (270)_Ant 8_DS16>							
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	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	Pi2 BPSK	1	1	19.71	19.58	19.73	21.20
100		1	137	19.66	19.87	19.67	21.20
100		1	271	19.61	19.75	19.72	21.20
100		135	0	19.67	19.83	19.68	21.20
100		135	69	19.71	19.85	19.65	21.20
100		135	138	19.68	19.86	19.64	21.20
100		270	0	19.68	19.80	19.70	21.20
100		1	1	19.58	19.86	19.59	21.20
100		1	137	19.58	19.72	19.67	21.20
100		1	271	19.57	19.75	19.65	21.20
100	QPSK	135	0	19.66	19.87	19.58	21.20
100		135	69	19.64	19.76	19.61	21.20
100		135	138	19.62	19.81	19.67	21.20
100		270	0	19.61	19.77	19.68	21.20
100	16QAM	1	1	19.56	19.80	19.60	21.20
100	64QAM	1	1	18.35	18.63	18.57	20.00
100	256QAM	1	1	16.55	16.63	16.44	18.00
Channel				649668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	Tune-up Limit (dBm)
90	Pi2 BPSK	1	1	19.64	19.87	19.71	
Channel				648334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	Tune-up Limit (dBm)
80	Pi2 BPSK	1	1	19.65	19.79	19.70	
Channel				649000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	Tune-up Limit (dBm)
70	Pi2 BPSK	1	1	19.66	19.88	19.66	
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	Tune-up Limit (dBm)
60	Pi2 BPSK	1	1	19.66	19.78	19.59	
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	Tune-up Limit (dBm)
50	Pi2 BPSK	1	1	19.63	19.86	19.59	
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	Tune-up Limit (dBm)
40	Pi2 BPSK	1	1	19.71	19.88	19.58	
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	Tune-up Limit (dBm)
30	Pi2 BPSK	1	1	19.58	19.80	19.58	
Channel				647500	650000	654500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	Tune-up Limit (dBm)
25	Pi2 BPSK	1	1	19.63	19.84	19.68	
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	Tune-up Limit (dBm)
20	Pi2 BPSK	1	1	19.66	19.87	19.72	
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	Tune-up Limit (dBm)
15	Pi2 BPSK	1	1	19.71	19.74	19.71	
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	Tune-up Limit (dBm)
10	Pi2 BPSK	1	1	19.63	19.73	19.71	

<FR1 n77 (270)_HPUE_Ant 8_DS16>							
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	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	Pi2 BPSK	1	1	22.55	22.51	22.82	24.20
100		1	137	22.48	22.88	22.74	24.20
100		1	271	22.63	22.77	22.79	24.20
100		135	0	22.53	22.78	22.80	24.20
100		135	69	22.73	22.88	22.75	24.20
100		135	138	22.52	22.76	22.66	24.20
100		270	0	22.60	22.76	22.67	24.20
100		1	1	22.62	22.86	22.71	24.20
100		1	137	22.58	22.87	22.66	24.20
100		1	271	22.59	22.76	22.77	24.20
100	QPSK	135	0	22.58	22.81	22.69	24.20
100		135	69	22.54	22.79	22.78	24.20
100		135	138	22.57	22.78	22.72	24.20
100		270	0	22.59	22.79	22.73	24.20
100	16QAM	1	1	22.97	22.88	22.69	24.20
100	64QAM	1	1	21.46	21.59	21.49	23.00
100	256QAM	1	1	19.54	19.74	19.47	21.00
Channel				649668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	Tune-up Limit (dBm)
90	Pi2 BPSK	1	1	22.56	22.79	22.71	
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	Tune-up Limit (dBm)
80	Pi2 BPSK	1	1	22.63	22.79	22.68	
Channel				649000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	Tune-up Limit (dBm)
70	Pi2 BPSK	1	1	22.52	22.80	22.75	
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	Tune-up Limit (dBm)
60	Pi2 BPSK	1	1	22.62	22.81	22.74	
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	Tune-up Limit (dBm)
50	Pi2 BPSK	1	1	22.56	22.86	22.67	
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	Tune-up Limit (dBm)
40	Pi2 BPSK	1	1	22.58	22.87	22.79	
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	Tune-up Limit (dBm)
30	Pi2 BPSK	1	1	22.62	22.77	22.73	
Channel				647500	650000	654500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	Tune-up Limit (dBm)
25	Pi2 BPSK	1	1	22.56	22.76	22.81	
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	Tune-up Limit (dBm)
20	Pi2 BPSK	1	1	22.53	22.77	22.73	
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	Tune-up Limit (dBm)
15	Pi2 BPSK	1	1	22.63	22.83	22.78	
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	Tune-up Limit (dBm)
10	Pi2 BPSK	1	1	22.48	22.86	22.79	



<FR1 n78 (270)_Ant 8_DS16>				Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
BW (MHz)	Modulation	RB Size	RB Offset				
Channel					650000		
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		19.82		21.20
100		1	137		19.72		21.20
100		1	271		19.62		21.20
100		135	0		19.75		21.20
100		135	69		19.71		21.20
100		135	138		19.76		21.20
100		270	0		19.63		21.20
100		1	1		19.79		21.20
100		1	137		19.56		21.20
100		1	271		19.64		21.20
100	QPSK	135	0		19.74		21.20
100		135	69		19.68		21.20
100		135	138		19.71		21.20
100		270	0		19.72		21.20
100	16QAM	1	1		19.76		21.20
100	64QAM	1	1		18.49		20.00
100	256QAM	1	1		16.59		18.00
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1		19.52	19.79	21.20
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		19.61	19.81	21.20
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		19.49	19.72	21.20
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		19.47	19.78	21.20
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		19.35	19.71	21.20
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1		19.56	19.72	21.20
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		19.48	19.77	21.20
Channel				647300	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		19.38	19.78	21.20
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		19.61	19.72	21.20
Channel				647168	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		19.90	19.82	21.20
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		19.48	19.73	21.20

<FR1 n78 (270)_HPUE_Ant 8_DS16>				Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up Limit (dBm)
BW (MHz)	Modulation	RB Size	RB Offset				
Channel					650000		
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		22.89		24.20
100		1	137		22.83		24.20
100		1	271		22.61		24.20
100		135	0		22.76		24.20
100		135	69		22.75		24.20
100		135	138		22.71		24.20
100		270	0		22.61		24.20
100		1	1		22.74		24.20
100		1	137		22.72		24.20
100		1	271		22.61		24.20
100	QPSK	135	0		22.70		24.20
100		135	69		22.75		24.20
100		135	138		22.74		24.20
100		270	0		22.69		24.20
100	16QAM	1	1		22.73		24.20
100	64QAM	1	1		21.41		23.00
100	256QAM	1	1		19.66		21.00
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1		22.43	22.66	24.20
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		22.49	22.68	24.20
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		22.51	22.66	24.20
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		22.49	22.61	24.20
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		22.38	22.61	24.20
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi/2 BPSK	1	1		22.38	22.73	24.20
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		22.46	22.64	24.20
Channel				647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		22.47	22.72	24.20
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		22.40	22.66	24.20
Channel				647168	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		22.44	22.64	24.20
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		22.53	22.71	24.20



<FR1 n77 (270)&FR1 n77 (270)_HPUE_Ant 4_DS16>							
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	650000	652000	
Frequency (MHz)				3745.02	3840	3934.98	
100	Pi2 BPSK	1	1	20.24	20.38	20.34	21.70
100		1	137	20.13	20.32	20.27	21.70
100		1	271	20.11	20.31	20.22	21.70
100		135	0	20.10	20.33	20.26	21.70
100		135	69	20.28	20.36	20.43	21.70
100		135	138	20.19	20.32	20.21	21.70
100		270	0	20.10	20.31	20.24	21.70
100		1	1	20.09	20.25	20.24	21.70
100		1	137	20.15	20.35	20.30	21.70
100		1	271	20.07	20.35	20.29	21.70
100	QPSK	135	0	20.21	20.25	20.29	21.70
100		135	69	20.12	20.30	20.21	21.70
100		135	138	20.18	20.21	20.27	21.70
100		270	0	20.15	20.25	20.24	21.70
100		1	1	20.10	20.25	20.22	21.70
100		1	1	20.15	20.26	20.13	21.50
100	16QAM	1	1	17.98	18.21	18.14	19.50
Channel				649668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	Pi2 BPSK	1	1	20.12	20.32	20.23	21.70
Channel				648334	650000	650996	Tune-up Limit (dBm)
Frequency (MHz)				3745.01	3840	3939.99	
80	Pi2 BPSK	1	1	20.15	20.25	20.18	21.70
Channel				649000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	Pi2 BPSK	1	1	20.16	20.24	20.20	21.70
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	Pi2 BPSK	1	1	20.18	20.29	20.17	21.70
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	Pi2 BPSK	1	1	20.20	20.32	20.29	21.70
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	Pi2 BPSK	1	1	20.12	20.25	20.25	21.70
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3954.98	
30	Pi2 BPSK	1	1	20.18	20.35	20.19	21.70
Channel				647800	650000	654500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	Pi2 BPSK	1	1	20.13	20.31	20.25	21.70
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	Pi2 BPSK	1	1	20.16	20.33	20.24	21.70
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	Pi2 BPSK	1	1	20.21	20.30	20.22	21.70
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	Pi2 BPSK	1	1	20.15	20.29	20.22	21.70

<FR1 n78 (270)&FR1 n78 (270)_HPUE_Ant 4_DS16>							
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	Pi2 BPSK	1	1		20.32		21.70
100		1	137		20.21		21.70
100		1	271		20.24		21.70
100		135	0		20.30		21.70
100		135	69		20.24		21.70
100		135	138		20.17		21.70
100		270	0		20.15		21.70
100		1	1		20.19		21.70
100		1	137		20.32		21.70
100		1	271		20.25		21.70
100	QPSK	135	0		20.14		21.70
100		135	69		20.24		21.70
100		135	138		20.07		21.70
100		270	0		20.13		21.70
100		1	1		20.13		21.70
100		1	1		20.18		21.50
100	16QAM	1	1		18.14		19.50
Channel				648668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	Pi2 BPSK	1	1		20.08	20.22	20.14
Channel				648334	650000	650996	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi2 BPSK	1	1		19.97	20.15	20.05
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi2 BPSK	1	1		20.07	20.23	20.20
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi2 BPSK	1	1		19.98	20.27	20.11
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi2 BPSK	1	1		19.97	20.30	20.10
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	Pi2 BPSK	1	1		20.04	20.20	20.13
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi2 BPSK	1	1		19.96	20.23	20.06
Channel				647800	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi2 BPSK	1	1		19.96	20.25	20.18
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi2 BPSK	1	1		20.09	20.28	20.08
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi2 BPSK	1	1		20.00	20.19	20.12
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi2 BPSK	1	1		20.05	20.21	20.13



Reduced Power Mode for PA (Reference Designator) DSI 7

<FR1 n41_Ant 0_DSI7>							
BR [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mode Ch./Freq.	Power High Ch./Freq.	Tune-up Limit (dBm)
Channel				509202	518598	528000	Tune-up Limit (dBm)
Frequency (MHz)				2548.01	2592.99	2640	
100	Pi2 BPSK	1	1	21.43	21.38	21.44	22.30
100		1	137	21.38	21.39	21.44	22.30
100		1	271	21.39	21.45	21.41	22.30
100		135	0	21.38	21.44	21.42	22.30
100		135	69	21.47	21.50	21.42	22.30
100		135	138	21.42	21.43	21.37	22.30
100		270	0	21.42	21.43	21.46	22.30
100		1	1	21.33	21.46	21.46	22.30
100	QPSK	1	137	21.30	21.50	21.43	22.30
100		1	271	21.39	21.51	21.45	22.30
100		135	0	21.02	21.14	20.97	22.00
100		135	69	21.31	21.50	21.48	22.30
100		135	138	20.98	21.09	20.97	22.00
100		270	0	20.97	21.11	20.87	22.00
100	16QAM	1	1	20.86	21.07	20.87	22.00
100	64QAM	1	1	19.65	19.74	19.46	20.50
100	256QAM	1	1	17.49	17.59	17.54	18.50
Channel				508200	518598	528996	Tune-up Limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	Pi2 BPSK	1	1	21.27	21.37	21.38	22.30
Channel				507204	518598	529996	Tune-up Limit (dBm)
Frequency (MHz)				2534.02	2592.99	2649.99	
80	Pi2 BPSK	1	1	21.37	21.43	21.37	22.30
Channel				506202	518598	531000	Tune-up Limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	Pi2 BPSK	1	1	21.31	21.39	21.33	22.30
Channel				505200	518598	531996	Tune-up Limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	Pi2 BPSK	1	1	21.37	21.45	21.33	22.30
Channel				504204	518598	532998	Tune-up Limit (dBm)
Frequency (MHz)				2521.02	2592.99	2654.99	
50	Pi2 BPSK	1	1	21.36	21.37	21.34	22.30
Channel				503700	518598	533496	Tune-up Limit (dBm)
Frequency (MHz)				2516.5	2592.99	2657.46	
45	Pi2 BPSK	1	1	21.34	21.43	21.44	22.30
Channel				503202	518598	534000	Tune-up Limit (dBm)
Frequency (MHz)				2515.01	2592.99	2670	
40	Pi2 BPSK	1	1	21.28	21.40	21.35	22.30
Channel				502704	518598	534498	Tune-up Limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	Pi2 BPSK	1	1	21.36	21.41	21.36	22.30
Channel				502200	518598	534996	Tune-up Limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	Pi2 BPSK	1	1	21.31	21.42	21.37	22.30
Channel				501702	518598	535500	Tune-up Limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	Pi2 BPSK	1	1	21.35	21.50	21.40	22.30
Channel				501204	518598	535998	Tune-up Limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	Pi2 BPSK	1	1	21.31	21.39	21.46	22.30
Channel				500700	518598	536496	Tune-up Limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	Pi2 BPSK	1	1	21.37	21.42	21.37	22.30
Channel				500202	518598	537000	Tune-up Limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	Pi2 BPSK	1	1	21.38	21.50	21.37	22.30

<FR1 n7_Ant 1_DS17>								
BW [MHz]	Modulation	RB Size	RB Offset	Power		Power		Tune-up Limit (dBm)
				Low Ch. / Freq.	High Ch. / Freq.	Low Ch. / Freq.	High Ch. / Freq.	
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	P12 BPSK	1	1	17.93	18.06	17.94	19.70	
40		1	108	17.78	17.93	17.79	19.70	
40		1	214	17.88	18.02	17.93	19.70	
40		108	0	17.88	17.95	17.85	19.70	
40		108	54	17.90	18.05	17.93	19.70	
40		108	108	17.81	18.01	17.84	19.70	
40		216	0	17.84	17.98	17.84	19.70	
40		1	1	17.84	17.88	17.79	19.70	
40		1	108	17.84	18.02	17.90	19.70	
40		1	214	17.81	18.09	17.88	19.70	
40	QPSK	108	0	17.93	18.02	17.93	19.70	
40		108	54	17.84	18.05	17.93	19.70	
40		108	108	17.85	18.06	17.83	19.70	
40		216	0	17.85	18.07	17.92	19.70	
40		16QAM	1	1	17.90	18.01	17.79	19.70
40		64QAM	1	1	17.86	18.05	17.79	19.70
40	256QAM	1	1	16.61	16.75	16.61	18.50	
Channel				503500	507000	510500		
Frequency (MHz)				2517.5	2535	2552.5	Tune-up Limit (dBm)	
35	P12 BPSK	1	1	17.78	18.08	17.89	19.70	
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	P12 BPSK	1	1	17.81	18.08	17.92	19.70	
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5	Tune-up Limit (dBm)	
25	P12 BPSK	1	1	17.83	18.05	17.92	19.70	
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560	Tune-up Limit (dBm)	
20	P12 BPSK	1	1	17.88	17.99	17.83	19.70	
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	Tune-up Limit (dBm)	
15	P12 BPSK	1	1	17.92	18.05	17.89	19.70	
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565	Tune-up Limit (dBm)	
10	P12 BPSK	1	1	17.88	18.07	17.79	19.70	
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5	Tune-up Limit (dBm)	
5	P12 BPSK	1	1	17.83	18.05	17.78	19.70	

<FR1 n41_Ant 1_DS17>				Power	Power	Power	
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./Freq	Mid-High Ch./Freq	High Ch./Freq	Tune-up Limit (dBm)
Channel				509202	518598	525500	
Frequency (MHz)				2546.01	2592.99	2649	
100	Pi/2 BPSK	1	1	16.74	16.50	16.76	18.60
100		1	137	16.57	16.66	16.68	18.60
100		1	271	16.56	16.72	16.61	18.60
100		135	0	16.61	16.73	16.67	18.60
100		135	69	16.65	16.78	16.79	18.60
100		135	138	16.65	16.72	16.59	18.60
100		270	0	16.58	16.71	16.59	18.60
100		1	1	16.66	16.63	16.61	18.60
100		1	137	16.66	16.67	16.58	18.60
100		1	271	16.64	16.77	16.59	18.60
100	QPSK	135	0	16.61	16.72	16.65	18.60
100		135	69	16.71	16.77	16.62	18.60
100		135	138	16.70	16.65	16.68	18.60
100		270	0	16.58	16.73	16.68	18.60
100	16QAM	1	1	16.64	16.78	16.59	18.60
100	64QAM	1	1	16.59	16.73	16.69	18.60
100	256QAM	1	1	16.67	16.78	16.59	18.60
Channel				508200	518598	525996	Tune-up Limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
80	Pi/2 BPSK	1	1	16.58	16.67	16.63	18.60
Channel				507204	518598	525998	Tune-up Limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	Pi/2 BPSK	1	1	16.58	16.65	16.63	18.60
Channel				506202	518598	531000	Tune-up Limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	Pi/2 BPSK	1	1	16.65	16.62	16.62	18.60
Channel				505200	518598	531996	Tune-up Limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	Pi/2 BPSK	1	1	16.58	16.72	16.66	18.60
Channel				504204	518598	532998	Tune-up Limit (dBm)
Frequency (MHz)				2511.02	2592.99	2644.99	
50	Pi/2 BPSK	1	1	16.61	16.64	16.59	18.60
Channel				503700	518598	533496	Tune-up Limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	Pi/2 BPSK	1	1	16.67	16.76	16.65	18.60
Channel				503202	518598	534000	Tune-up Limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	Pi/2 BPSK	1	1	16.70	16.77	16.73	18.60
Channel				502704	518598	534498	Tune-up Limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	Pi/2 BPSK	1	1	16.68	16.67	16.64	18.60
Channel				502200	518598	535096	Tune-up Limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	Pi/2 BPSK	1	1	16.71	16.63	16.67	18.60
Channel				501702	518598	535500	Tune-up Limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	Pi/2 BPSK	1	1	16.62	16.65	16.61	18.60
Channel				501204	518598	535998	Tune-up Limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	Pi/2 BPSK	1	1	16.70	16.63	16.73	18.60
Channel				500700	518598	536496	Tune-up Limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	Pi/2 BPSK	1	1	16.66	16.70	16.65	18.60
Channel				500202	518598	537000	Tune-up Limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	Pi/2 BPSK	1	1	16.64	16.76	16.74	18.60

<FR1 n41_HPUE_Ant 1_DS17>				Power	Power	Power	
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch./Freq	Mid-High Ch./Freq	High Ch./Freq	Tune-up Limit (dBm)
Channel				509202	518598	525500	
Frequency (MHz)				2546.01	2592.99	2649	
100	Pi/2 BPSK	1	1	19.75	19.95	19.76	21.60
100		1	137	19.53	19.71	19.69	21.60
100		1	271	19.61	19.70	19.54	21.60
100		135	0	19.55	19.75	19.74	21.60
100		135	69	19.71	19.80	19.74	21.60
100		135	138	19.70	19.75	19.58	21.60
100		270	0	19.55	19.76	19.55	21.60
100		1	1	19.71	19.57	19.54	21.60
100		1	137	19.72	19.76	19.61	21.60
100		1	271	19.57	19.76	19.66	21.60
100	QPSK	135	0	19.67	19.72	19.57	21.60
100		135	69	19.66	19.72	19.56	21.60
100		135	138	19.70	19.64	19.73	21.60
100		270	0	19.61	19.74	19.72	21.60
100	16QAM	1	1	19.65	19.76	19.57	21.60
100	64QAM	1	1	19.51	19.72	19.74	21.60
100	256QAM	1	1	19.61	19.73	19.61	21.60
Channel				508200	518598	525996	Tune-up Limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
80	Pi/2 BPSK	1	1	19.75	19.80	19.61	21.60
Channel				507204	518598	525998	Tune-up Limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	Pi/2 BPSK	1	1	19.74	19.82	19.69	21.60
Channel				506202	518598	531000	Tune-up Limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	Pi/2 BPSK	1	1	19.60	19.75	19.63	21.60
Channel				505200	518598	531996	Tune-up Limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	Pi/2 BPSK	1	1	19.73	19.75	19.68	21.60
Channel				504204	518598	532998	Tune-up Limit (dBm)
Frequency (MHz)				2511.02	2592.99	2644.99	
50	Pi/2 BPSK	1	1	19.63	19.70	19.60	21.60
Channel				503700	518598	533496	Tune-up Limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	
45	Pi/2 BPSK	1	1	19.68	19.77	19.61	21.60
Channel				503202	518598	534000	Tune-up Limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	Pi/2 BPSK	1	1	19.66	19.70	19.73	21.60
Channel				502704	518598	534498	Tune-up Limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	Pi/2 BPSK	1	1	19.74	19.71	19.71	21.60
Channel				502200	518598	535096	Tune-up Limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	Pi/2 BPSK	1	1	19.60	19.84	19.64	21.60
Channel				501702	518598	535500	Tune-up Limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	Pi/2 BPSK	1	1	19.60	19.77	19.61	21.60
Channel				501204	518598	535998	Tune-up Limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	Pi/2 BPSK	1	1	19.62	19.77	19.74	21.60
Channel				500700	518598	536496	Tune-up Limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	Pi/2 BPSK	1	1	19.65	19.81	19.65	21.60
Channel				500202	518598	537000	Tune-up Limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	Pi/2 BPSK	1	1	19.64	19.78	19.72	21.60

<FR1 n25_Ant 2_DS17>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up Limit (dBm)
Channel				1690	1682.5	1690	
Frequency (MHz)							
40	Pi/2 BPSK	1	1	17.93	18.13	18.01	19.60
40		1	108	17.90	18.10	17.96	19.60
40		1	214	17.85	18.04	17.97	19.60
40		108	0	17.79	18.00	17.82	19.60
40		108	54	17.98	18.11	17.98	19.60
40		108	108	17.86	18.07	17.89	19.60
40		216	0	17.81	18.12	17.95	19.60
40		1	1	17.86	18.10	17.88	19.60
40		1	108	17.79	18.03	17.89	19.60
40		1	214	17.86	18.02	17.89	19.60
40	QPSK	108	0	17.79	18.03	17.86	19.60
40		108	54	17.79	18.02	18.00	19.60
40		108	108	17.88	18.10	17.88	19.60
40		216	0	17.86	17.99	17.85	19.60
40	16QAM	1	1	17.85	18.04	17.87	19.60
40	64QAM	1	1	17.93	18.04	18.00	19.60
40	256QAM	1	1	16.69	16.68	16.70	18.50
Channel				373500	373500		Tune-up Limit (dBm)
Frequency (MHz)				1697.5	1682.5	1697.5	
38	Pi/2 BPSK	1	1	17.87	18.08	17.84	19.60
Channel				373500	376500	380500	Tune-up Limit (dBm)
Frequency (MHz)				1686	1682.5	1900	
30	Pi/2 BPSK	1	1	17.81	18.19	17.86	19.60
Channel				373500	376500	380500	Tune-up Limit (dBm)
Frequency (MHz)				1682.5	1682.5	1902.5	
25	Pi/2 BPSK	1	1	17.90	18.11	17.90	19.60
Channel				372000	376500	381000	Tune-up Limit (dBm)
Frequency (MHz)				1680	1682.5	1905	
20	Pi/2 BPSK	1	1	17.87	18.07	17.87	19.60
Channel				371500	376500	381500	Tune-up Limit (dBm)
Frequency (MHz)				1687.5	1682.5	1907.5	
15	Pi/2 BPSK	1	1	17.87	18.12	17.83	19.60
Channel				371000	376500	382000	Tune-up Limit (dBm)
Frequency (MHz)				1686	1682.5	1910	
10	Pi/2 BPSK	1	1	17.86	18.07	17.89	19.60
Channel				370500	376500	382500	Tune-up Limit (dBm)
Frequency (MHz)				1682.5	1682.5	1912.5	
5	Pi/2 BPSK	1	1	17.86	18.00	17.89	19.60

<FR1 n66_Ant 2_DS17>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up Limit (dBm)
Channel				1722.5	1742	1722.5	
Frequency (MHz)							
45	Pi/2 BPSK	1	1	18.71	18.91	18.90	19.90
45		1	120	18.56	18.82	18.74	19.90
45		1	240	18.64	18.79	18.75	19.90
45		120	0	18.64	18.83	18.64	19.90
45		120	60	18.73	18.90	18.89	19.90
45		120	120	18.59	18.78	18.70	19.90
45		240	0	18.55	18.89	18.65	19.90
45		1	1	18.64	18.73	18.68	19.90
45		1	120	18.69	18.76	18.66	19.90
45		1	240	18.65	18.80	18.76	19.90
45	QPSK	120	0	18.69	18.77	18.68	19.90
45		120	60	18.69	18.89	18.76	19.90
45		120	120	18.61	18.78	18.67	19.90
45		240	0	18.68	18.78	18.70	19.90
45	16QAM	1	1	18.62	18.83	18.72	19.90
45	64QAM	1	1	18.61	18.73	18.70	19.90
45	256QAM	1	1	17.00	17.09	17.07	18.50
Channel				346000	349000	352000	Tune-up Limit (dBm)
Frequency (MHz)				1720	1742	1740	
40	Pi/2 BPSK	1	1	18.69	18.83	18.75	19.90
Channel				345500	349000	352500	Tune-up Limit (dBm)
Frequency (MHz)				1727.5	1745	1762.5	
35	Pi/2 BPSK	1	1	18.68	18.86	18.84	19.90
Channel				345000	349000	353000	Tune-up Limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	Pi/2 BPSK	1	1	18.67	18.81	18.65	19.90
Channel				344500	349000	353500	Tune-up Limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	Pi/2 BPSK	1	1	18.53	18.85	18.75	19.90
Channel				344000	349000	354000	Tune-up Limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	Pi/2 BPSK	1	1	18.65	18.86	18.66	19.90
Channel				343500	349000	354500	Tune-up Limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	Pi/2 BPSK	1	1	18.68	18.74	18.62	19.90
Channel				343000	349000	355000	Tune-up Limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	Pi/2 BPSK	1	1	18.66	18.81	18.72	19.90
Channel				342500	349000	355500	Tune-up Limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	Pi/2 BPSK	1	1	18.62	18.80	18.66	19.90



<FR1 n77 (270)_Ant 7_DS17>							
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	650000	650000	Tune-up Limit (dBm)
Frequency (MHz)				3792	3840	3936	
100	Pi2 BPSK	1	1	17.82	17.88	17.81	18.40
100		1	137	17.73	17.80	17.74	18.40
100		1	271	17.79	17.78	17.77	18.40
100		135	0	17.74	17.86	17.80	18.40
100		135	69	17.74	17.87	17.79	18.40
100		135	138	17.80	17.79	17.71	18.40
100		270	0	17.78	17.75	17.73	18.40
100		1	1	17.81	17.74	17.76	18.40
100		1	137	17.86	17.74	17.80	18.40
100		1	271	17.78	17.73	17.76	18.40
100	QPSK	135	0	17.75	17.76	17.74	18.40
100		135	69	17.80	17.79	17.67	18.40
100		135	138	17.80	17.86	17.72	18.40
100		270	0	17.78	17.83	17.78	18.40
100	16QAM	1	1	17.77	17.83	17.81	18.40
100	64QAM	1	1	17.80	17.79	17.67	18.40
100	256QAM	1	1	17.66	17.75	17.80	18.40
Channel				648668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
80	Pi2 BPSK	1	1	17.74	17.77	17.70	18.40
Channel				648334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	Pi2 BPSK	1	1	17.77	17.84	17.71	18.40
Channel				648000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	Pi2 BPSK	1	1	17.80	17.80	17.68	18.40
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3735.02	3840	3949.98	
60	Pi2 BPSK	1	1	17.81	17.84	17.71	18.40
Channel				648334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	Pi2 BPSK	1	1	17.71	17.87	17.75	18.40
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	Pi2 BPSK	1	1	17.73	17.76	17.67	18.40
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3954.98	
30	Pi2 BPSK	1	1	17.69	17.76	17.67	18.40
Channel				647668	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3957.5	
25	Pi2 BPSK	1	1	17.66	17.84	17.78	18.40
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3959.99	
20	Pi2 BPSK	1	1	17.71	17.86	17.68	18.40
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	Pi2 BPSK	1	1	17.72	17.87	17.81	18.40
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	Pi2 BPSK	1	1	17.70	17.74	17.80	18.40

<FR1 n77 (270)_HPUE_Ant 7_DS17>							
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	650000	650000	Tune-up Limit (dBm)
Frequency (MHz)				3792	3840	3936	
100	Pi2 BPSK	1	1	20.84	20.92	20.90	21.40
100		1	137	20.82	20.81	20.77	21.40
100		1	271	20.74	20.78	20.88	21.40
100		135	0	20.72	20.90	20.87	21.40
100		135	69	20.80	20.90	20.83	21.40
100		135	138	20.73	20.79	20.85	21.40
100		270	0	20.75	20.87	20.84	21.40
100		1	1	20.75	20.82	20.84	21.40
100		1	137	20.76	20.80	20.89	21.40
100		1	271	20.70	20.81	20.85	21.40
100	QPSK	135	0	20.82	20.79	20.85	21.40
100		135	69	20.72	20.76	20.79	21.40
100		135	138	20.70	20.88	20.88	21.40
100		270	0	20.80	20.77	20.77	21.40
100	16QAM	1	1	20.69	20.81	20.79	21.40
100	64QAM	1	1	20.79	20.88	20.76	21.40
100	256QAM	1	1	19.86	19.87	19.97	20.55
Channel				648668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
80	Pi2 BPSK	1	1	20.79	20.82	20.78	21.40
Channel				648334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	Pi2 BPSK	1	1	20.68	20.80	20.90	21.40
Channel				648000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	Pi2 BPSK	1	1	20.71	20.86	20.89	21.40
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3735.02	3840	3949.98	
60	Pi2 BPSK	1	1	20.69	20.87	20.88	21.40
Channel				648334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	Pi2 BPSK	1	1	20.69	20.88	20.76	21.40
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	Pi2 BPSK	1	1	20.74	20.89	20.78	21.40
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3954.98	
30	Pi2 BPSK	1	1	20.84	20.84	20.83	21.40
Channel				647000	650000	654500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3957.5	
25	Pi2 BPSK	1	1	20.80	20.87	20.82	21.40
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3959.99	
20	Pi2 BPSK	1	1	20.82	20.78	20.88	21.40
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	Pi2 BPSK	1	1	20.78	20.86	20.78	21.40
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	Pi2 BPSK	1	1	20.84	20.81	20.88	21.40



FR1 n78 (270)_Ant 7_DS17s				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up Limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset				
Channel				650000			
Frequency (MHz)				3750			
100	P2 BPSK	1	1	17.85	17.85	17.85	18.40
100		1	137	17.76	17.76	17.76	18.40
100		1	271	17.76	17.76	17.76	18.40
100		135	0	17.79	17.79	17.79	18.40
100		135	69	17.79	17.79	17.79	18.40
100		135	138	17.76	17.76	17.76	18.40
100		270	0	17.65	17.65	17.65	18.40
100		1	1	17.71	17.71	17.71	18.40
100		1	137	17.59	17.59	17.59	18.40
100		1	271	17.60	17.60	17.60	18.40
100	QPSK	135	0	17.66	17.66	17.66	18.40
100		135	69	17.72	17.72	17.72	18.40
100		135	138	17.82	17.82	17.82	18.40
100		270	0	17.80	17.80	17.80	18.40
150	16QAM	1	1	17.69	17.69	17.69	18.40
150	64QAM	1	1	17.67	17.67	17.67	18.40
100	256QAM	1	1	17.59	17.59	17.59	18.40
Channel				648668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	18.40
90	P2 BPSK	1	1	17.73	17.74	17.65	18.40
Channel				649334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	18.40
80	P2 BPSK	1	1	17.74	17.62	17.67	18.40
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	18.40
70	P2 BPSK	1	1	17.72	17.63	17.61	18.40
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3720.02	3750	3769.98	18.40
60	P2 BPSK	1	1	17.73	17.72	17.68	18.40
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	18.40
50	P2 BPSK	1	1	17.61	17.69	17.69	18.40
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3780	18.40
40	P2 BPSK	1	1	17.65	17.64	17.65	18.40
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3764.98	18.40
30	P2 BPSK	1	1	17.68	17.70	17.64	18.40
Channel				647000	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3767.5	18.40
25	P2 BPSK	1	1	17.63	17.73	17.67	18.40
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3769.99	18.40
20	P2 BPSK	1	1	17.68	17.71	17.61	18.40
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3762.48	18.40
15	P2 BPSK	1	1	17.58	17.64	17.54	18.40
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	18.40
10	P2 BPSK	1	1	17.61	17.70	17.62	18.40

FR1 n78 (270)_HPUE_Ant 7_DS17s				Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
BW (MHz)	Modulation	RB Size	RB Offset					
Channel								
Frequency (MHz)					3750			
100	PI2 BPSK	1	1	20.90	20.90	20.90	21.40	
100			1	137	20.69	20.69	20.69	21.40
100			1	271	20.78	20.78	20.78	21.40
100			135	0	20.88	20.88	20.88	21.40
100			135	69	20.86	20.86	20.86	21.40
100			135	138	20.71	20.71	20.71	21.40
100			270	0	20.75	20.75	20.75	21.40
100			1	1	20.71	20.71	20.71	21.40
100			1	137	20.70	20.70	20.70	21.40
100			1	271	20.75	20.75	20.75	21.40
100	QPSK	135	0	20.67	20.67	20.67	21.40	
100			135	69	20.62	20.62	20.62	21.40
100			135	138	20.83	20.83	20.83	21.40
100			270	0	20.63	20.63	20.63	21.40
100			1	1	20.74	20.74	20.74	21.40
100			1	1	20.79	20.79	20.79	21.40
100			270	0	20.75	20.75	20.75	21.40
100			1	1	20.79	20.79	20.79	21.40
100			1	1	20.79	20.79	20.79	21.40
100			1	1	20.79	20.79	20.79	21.40
Channel				649668	650000	650332	Tune-up Limit (dBm)	
Frequency (MHz)				3745.02	3750	3754.98	21.40	
90	PI2 BPSK	1	1	20.69	20.70	20.68	21.40	
Channel				649334	650000	650666	Tune-up Limit (dBm)	
Frequency (MHz)				3740.01	3750	3759.99	21.40	
80	PI2 BPSK	1	1	20.65	20.78	20.78	21.40	
Channel				649000	650000	651000	Tune-up Limit (dBm)	
Frequency (MHz)				3735	3750	3765	21.40	
70	PI2 BPSK	1	1	20.76	20.73	20.69	21.40	
Channel				648668	650000	651332	Tune-up Limit (dBm)	
Frequency (MHz)				3730.02	3750	3769.98	21.40	
60	PI2 BPSK	1	1	20.78	20.70	20.64	21.40	
Channel				648334	650000	651666	Tune-up Limit (dBm)	
Frequency (MHz)				3725.01	3750	3774.99	21.40	
50	PI2 BPSK	1	1	20.78	20.79	20.71	21.40	
Channel				648000	650000	652000	Tune-up Limit (dBm)	
Frequency (MHz)				3720	3750	3780	21.40	
40	PI2 BPSK	1	1	20.70	20.75	20.76	21.40	
Channel				647668	650000	652332	Tune-up Limit (dBm)	
Frequency (MHz)				3715.02	3750	3764.98	21.40	
30	PI2 BPSK	1	1	20.72	20.79	20.68	21.40	
Channel				647000	650000	652500	Tune-up Limit (dBm)	
Frequency (MHz)				3712.5	3750	3767.5	21.40	
25	PI2 BPSK	1	1	20.70	20.67	20.70	21.40	
Channel				647334	650000	652666	Tune-up Limit (dBm)	
Frequency (MHz)				3710.01	3750	3769.99	21.40	
20	PI2 BPSK	1	1	20.74	20.71	20.62	21.40	
Channel				647168	650000	652832	Tune-up Limit (dBm)	
Frequency (MHz)				3707.52	3750	3762.48	21.40	
15	PI2 BPSK	1	1	20.77	20.66	20.67	21.40	
Channel				647000	650000	653000	Tune-up Limit (dBm)	
Frequency (MHz)				3705	3750	3795	21.40	
10	PI2 BPSK	1	1	20.75	20.67	20.77	21.40	
Channel				647000	650000	653000	Tune-up Limit (dBm)	
Frequency (MHz)				3705	3750	3795	21.40	

<FR1 n77 (270)&FR1 n77 (270)_HPUE_Ant 5_DS17>				Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up Limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset				
Channel				650000	650000	650000	
Frequency (MHz)				3750	3840	3930	
100	Pi/2 BPSK	1	1	18.22	18.30	18.20	19.60
100		1	137	18.14	18.25	18.04	19.60
100		1	271	18.14	18.18	18.16	19.60
100		135	0	18.18	18.19	18.05	19.60
100		135	69	18.31	18.26	18.22	19.60
100		135	138	18.04	18.16	18.17	19.60
100		270	0	18.13	18.25	18.04	19.60
100		1	1	18.17	18.13	18.03	19.60
100		1	137	18.13	18.18	18.04	19.60
100		1	271	18.17	18.27	18.10	19.60
100	QPSK	135	0	18.16	18.22	18.16	19.60
100		135	69	18.17	18.28	18.15	19.60
100		135	138	18.14	18.14	18.10	19.60
100		270	0	18.15	18.23	18.03	19.60
100		1	1	18.13	18.18	18.10	19.60
100	64QAM	1	1	18.12	18.21	18.12	19.60
100	256QAM	1	1	18.04	18.18	17.97	19.50
Channel				648668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3743.02	3840	3934.98	
80	Pi/2 BPSK	1	1	18.15	18.25	18.14	19.60
Channel				648334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	Pi/2 BPSK	1	1	18.06	18.17	18.03	19.60
Channel				649000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	Pi/2 BPSK	1	1	18.16	18.13	18.05	19.60
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	Pi/2 BPSK	1	1	18.05	18.24	18.04	19.60
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	Pi/2 BPSK	1	1	18.14	18.17	18.15	19.60
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	Pi/2 BPSK	1	1	18.05	18.23	18.10	19.60
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	
30	Pi/2 BPSK	1	1	18.09	18.13	18.17	19.60
Channel				647000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	Pi/2 BPSK	1	1	18.06	18.20	18.15	19.60
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	Pi/2 BPSK	1	1	18.18	18.17	18.12	19.60
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	Pi/2 BPSK	1	1	18.10	18.27	18.18	19.60
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	Pi/2 BPSK	1	1	18.04	18.26	18.09	19.60

<FR1 n78 (270)&FR1 n78 (270)_HPUE_Ant 5_DS17>				Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up Limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset				
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	Pi/2 BPSK	1	1	18.23			19.60
100		1	137	18.08			19.60
100		1	271	18.14			19.60
100		135	0	18.17			19.60
100		135	69	18.15			19.60
100		135	138	18.03			19.60
100		270	0	18.15			19.60
100		1	1	18.05			19.60
100		1	137	18.02			19.60
100		1	271	18.15			19.60
100	QPSK	135	0	18.06			19.60
100		135	69	18.21			19.60
100		135	138	18.00			19.60
100		270	0	18.07			19.60
100		1	1	18.08			19.60
100	64QAM	1	1	18.18			19.60
100	256QAM	1	1	18.02			19.50
Channel				648668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)				3743.02	3750	3752.98	
80	Pi/2 BPSK	1	1	18.07	18.20	18.03	19.60
Channel				648334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	18.08	18.21	18.08	19.60
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1	17.88	18.20	18.10	19.60
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1	18.11	18.15	18.07	19.60
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	18.07	18.14	18.04	19.60
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3760	
40	Pi/2 BPSK	1	1	17.99	18.17	18.08	19.60
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	18.06	18.15	18.01	19.60
Channel				647000	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	18.13	18.15	18.04	19.60
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	17.88	18.15	17.97	19.60
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	18.04	18.08	18.00	19.60
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1	18.02	18.08	18.04	19.60



<FR1 n77 (Z70)_Ant 8_DS17>								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel Frequency (MHz)				3792	3840	3900		
100	Pi2 BPSK	1	1	15.98	15.93	15.94	17.40	
100		1	137	15.85	15.94	15.82	17.40	
100		1	271	15.84	15.92	15.89	17.40	
100		135	0	15.93	15.89	15.94	17.40	
100		135	69	15.98	15.99	15.85	17.40	
100		135	138	15.91	15.97	15.84	17.40	
100		270	0	15.88	15.89	15.92	17.40	
100		1	1	15.89	15.88	15.94	17.40	
100	QPSK	1	137	15.86	15.96	15.91	17.40	
100		1	271	15.94	15.96	15.90	17.40	
100		135	0	15.94	15.88	15.89	17.40	
100		135	69	15.90	15.91	15.88	17.40	
100		135	138	15.85	15.96	15.89	17.40	
100		270	0	15.88	15.93	15.93	17.40	
100		1	1	15.92	15.94	15.93	17.40	
100		1	1	15.82	15.90	15.91	17.40	
100	25GQAM	1	1	15.98	15.92	15.79	17.40	
Channel				649668	656000	662332	Tune-up Limit (dBm)	
Frequency (MHz)				3745.02	3840	3934.98	17.40	
90	Pi2 BPSK	1	1	15.88	15.85	15.94	17.40	
Channel				649334	656000	662666	Tune-up Limit (dBm)	
Frequency (MHz)				3740.01	3840	3939.99	17.40	
80	Pi2 BPSK	1	1	15.91	15.91	15.94	17.40	
Channel				649000	656000	663000	Tune-up Limit (dBm)	
Frequency (MHz)				3735	3840	3945	17.40	
70	Pi2 BPSK	1	1	15.90	15.93	15.91	17.40	
Channel				648668	656000	663332	Tune-up Limit (dBm)	
Frequency (MHz)				3730.02	3840	3949.98	17.40	
60	Pi2 BPSK	1	1	15.94	15.85	15.79	17.40	
Channel				648334	656000	663666	Tune-up Limit (dBm)	
Frequency (MHz)				3725.01	3840	3944.99	17.40	
50	Pi2 BPSK	1	1	15.98	15.85	15.83	17.40	
Channel				648000	656000	664000	Tune-up Limit (dBm)	
Frequency (MHz)				3720	3840	3960	17.40	
40	Pi2 BPSK	1	1	15.96	15.90	15.91	17.40	
Channel				647668	656000	664332	Tune-up Limit (dBm)	
Frequency (MHz)				3715.02	3840	3964.98	17.40	
30	Pi2 BPSK	1	1	15.88	15.90	15.90	17.40	
Channel				647500	656000	664500	Tune-up Limit (dBm)	
Frequency (MHz)				3712.5	3840	3967.5	17.40	
25	Pi2 BPSK	1	1	15.83	15.89	15.86	17.40	
Channel				647334	656000	664666	Tune-up Limit (dBm)	
Frequency (MHz)				3710.01	3840	3969.99	17.40	
20	Pi2 BPSK	1	1	15.93	15.99	15.98	17.40	
Channel				647168	656000	664832	Tune-up Limit (dBm)	
Frequency (MHz)				3707.52	3840	3972.48	17.40	
15	Pi2 BPSK	1	1	15.98	15.92	15.91	17.40	
Channel				647000	656000	665000	Tune-up Limit (dBm)	
Frequency (MHz)				3705	3840	3975	17.40	
10	Pi2 BPSK	1	1	15.96	15.93	15.85	17.40	

<FR1 n77 (Z70)_HPUE_Ant 8_DS17>								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Limit (dBm)	
Channel Frequency (MHz)				3760	3840	3930		
100	Pi2 BPSK	1	1	19.01	19.04	18.99	20.40	
100		1	137	18.82	19.00	18.84	20.40	
100		1	271	18.77	18.84	18.87	20.40	
100		135	0	18.91	18.82	18.88	20.40	
100		135	69	18.99	18.96	18.77	20.40	
100		135	138	18.93	19.03	18.79	20.40	
100		270	0	18.82	18.88	18.90	20.40	
100		1	1	18.90	18.92	18.96	20.40	
100	QPSK	1	137	18.91	18.92	18.89	20.40	
100		1	271	19.02	18.93	18.95	20.40	
100		135	0	18.88	18.82	18.93	20.40	
100		135	69	18.85	18.86	18.91	20.40	
100		135	138	18.93	19.04	18.96	20.40	
100		270	0	18.87	18.87	18.82	20.40	
100		1	1	18.91	18.90	18.86	20.40	
100		1	1	18.76	18.88	18.96	20.40	
100	25GQAM	1	1	18.97	18.99	18.86	20.40	
Channel				648668	656000	662332	Tune-up Limit (dBm)	
Frequency (MHz)				3745.02	3840	3934.98	20.40	
90	Pi2 BPSK	1	1	18.89	18.97	18.83	20.40	
Channel				648334	656000	662666	Tune-up Limit (dBm)	
Frequency (MHz)				3740.01	3840	3939.99	20.40	
80	Pi2 BPSK	1	1	18.97	18.96	18.84	20.40	
Channel				648000	656000	663000	Tune-up Limit (dBm)	
Frequency (MHz)				3735	3840	3945	20.40	
70	Pi2 BPSK	1	1	18.93	18.89	18.74	20.40	
Channel				648668	656000	663332	Tune-up Limit (dBm)	
Frequency (MHz)				3730.02	3840	3949.98	20.40	
60	Pi2 BPSK	1	1	18.96	19.02	18.81	20.40	
Channel				648334	656000	663666	Tune-up Limit (dBm)	
Frequency (MHz)				3725.01	3840	3944.99	20.40	
50	Pi2 BPSK	1	1	18.98	18.97	18.83	20.40	
Channel				648000	656000	664000	Tune-up Limit (dBm)	
Frequency (MHz)				3720	3840	3960	20.40	
40	Pi2 BPSK	1	1	18.94	18.94	18.77	20.40	
Channel				647668	656000	664332	Tune-up Limit (dBm)	
Frequency (MHz)				3715.02	3840	3964.98	20.40	
30	Pi2 BPSK	1	1	18.97	18.91	18.84	20.40	
Channel				647500	656000	664500	Tune-up Limit (dBm)	
Frequency (MHz)				3712.5	3840	3967.5	20.40	
25	Pi2 BPSK	1	1	18.88	18.97	18.74	20.40	
Channel				647334	656000	664666	Tune-up Limit (dBm)	
Frequency (MHz)				3710.01	3840	3969.99	20.40	
20	Pi2 BPSK	1	1	18.91	18.92	18.75	20.40	
Channel				647168	656000	664832	Tune-up Limit (dBm)	
Frequency (MHz)				3707.52	3840	3972.48	20.40	
15	Pi2 BPSK	1	1	18.89	18.91	18.84	20.40	
Channel				647000	656000	665000	Tune-up Limit (dBm)	
Frequency (MHz)				3705	3840	3975	20.40	
10	Pi2 BPSK	1	1	18.97	19.01	18.79	20.40	

<FR1 n78 (270_Ant 8_DS17>

Power Line (200 MHz) - 6.5817					Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
BW (MHz)	Modulation	RB Size	RB Offset					
Channel					650000			Tune-up Limit (dBm)
Frequency (MHz)					3750			
100	Pi/2 BPSK	1	1		15.99			17.40
100		1	137		15.83			17.40
100		1	271		15.89			17.40
100		135	0		15.76			17.40
100		135	69		15.89			17.40
100		135	138		15.82			17.40
100		270	0		15.78			17.40
100		1	1		15.77			17.40
100		1	137		15.88			17.40
100		1	271		15.87			17.40
100	QPSK	135	0		15.82			17.40
100		135	69		15.82			17.40
100		135	138		15.94			17.40
100		270	0		15.90			17.40
100		16QAM	1	1	15.84			17.40
100		64QAM	1	1	15.79			17.40
100	256QAM	1	1	1	15.81		17.40	
Channel					648668	650000	650332	Tune-up Limit (dBm)
Frequency (MHz)					3745.02	3750	3754.98	
90	Pi/2 BPSK	1	1	15.82	15.83	15.92	17.40	
Channel					648334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)					3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1	15.86	15.77	15.86	17.40	
Channel					649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)					3735	3750	3765	
70	Pi/2 BPSK	1	1	15.76	15.71	15.79	17.40	
Channel					648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)					3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1	15.75	15.73	15.92	17.40	
Channel					648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)					3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1	15.73	15.77	15.90	17.40	
Channel					649000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)					3720	3750	3780	
40	Pi/2 BPSK	1	1	15.80	15.83	15.84	17.40	
Channel					647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)					3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1	15.74	15.79	15.87	17.40	
Channel					647500	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)					3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1	15.85	15.83	15.86	17.40	
Channel					647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)					3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1	15.79	15.79	15.77	17.40	
Channel					647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)					3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1	15.87	15.74	15.80	17.40	
Channel					647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)					3705	3750	3795	
10	Pi/2 BPSK	1	1	15.86	15.70	15.81	17.40	

<FR1 n78 (270_HPUE_Ant 8_DS17>

Part 15E (20 MHz Channels)				Power Low Ch. / Freq		Power Middle Ch. / Freq		Power High Ch. / Freq		Tune-up Limit (dBm)	
Bandwidth (MHz)	Modulation	RB Size	RB Offset								
Channel				650000						20.40	
Frequency (MHz)				3750							
100	Pi/2 BPSK	1	1			15.96				20.40	
150		1	137			15.95				20.40	
150		1	271			15.71				20.40	
100		135	0			15.77				20.40	
100		135	69			15.80				20.40	
100		135	138			15.87				20.40	
100	QPSK	270	0			15.75				20.40	
100		1	1			15.88				20.40	
100		1	137			15.82				20.40	
150		1	271			15.77				20.40	
100		135	0			15.85				20.40	
100		135	69			15.77				20.40	
100	16QAM	135	138			15.89				20.40	
100		270	0			15.81				20.40	
100		16QAM	1	1			15.77				20.40
100		64QAM	1	1			15.85				20.40
100		256QAM	1	1			15.86				20.40
Channel				649968		650000		650032		Tune-up Limit (dBm)	
Frequency (MHz)				3749.02		3750		3750.98			
90	Pi/2 BPSK	1	1	15.79		15.84		15.85		20.40	
Channel				649334		650000		650666		Tune-up Limit (dBm)	
Frequency (MHz)				3740.01		3750		3759.99			
80	Pi/2 BPSK	1	1	15.75		15.86		15.71		20.40	
Channel				648000		650000		651000		Tune-up Limit (dBm)	
Frequency (MHz)				3735		3750		3765			
70	Pi/2 BPSK	1	1	15.76		15.89		15.79		20.40	
Channel				648668		650000		651332		Tune-up Limit (dBm)	
Frequency (MHz)				3730.02		3750		3769.98			
60	Pi/2 BPSK	1	1	15.75		15.82		15.80		20.40	
Channel				648334		650000		651666		Tune-up Limit (dBm)	
Frequency (MHz)				3725.01		3750		3774.99			
50	Pi/2 BPSK	1	1	15.72		15.80		15.78		20.40	
Channel				648000		650000		652000		Tune-up Limit (dBm)	
Frequency (MHz)				3720		3750		3780			
40	Pi/2 BPSK	1	1	15.84		15.83		15.87		20.40	
Channel				647668		650000		652332		Tune-up Limit (dBm)	
Frequency (MHz)				3715.02		3750		3784.98			
30	Pi/2 BPSK	1	1	15.75		15.86		15.73		20.40	
Channel				647000		650000		652500		Tune-up Limit (dBm)	
Frequency (MHz)				3712.5		3750		3787.5			
25	Pi/2 BPSK	1	1	15.86		15.80		15.84		20.40	
Channel				647334		650000		652666		Tune-up Limit (dBm)	
Frequency (MHz)				3710.01		3750		3789.99			
20	Pi/2 BPSK	1	1	15.81		15.83		15.74		20.40	
Channel				647168		650000		652832		Tune-up Limit (dBm)	
Frequency (MHz)				3707.52		3750		3792.48			
15	Pi/2 BPSK	1	1	15.78		15.84		15.82		20.40	
Channel				647000		650000		653000		Tune-up Limit (dBm)	
Frequency (MHz)				3705		3750		3795			
10	Pi/2 BPSK	1	1	15.75		15.89		15.72		20.40	

<FR1 n77 (270)&FR1 n77 (270)_HPUE_Ant 4_DS17>							
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	650000	650000	
Frequency (MHz)				3750	3840	3930	
100	Pi/2 BPSK	1	1	18.92	18.73	18.61	20.00
100		1	137	18.42	18.59	18.58	20.00
100		1	271	18.45	18.61	18.57	20.00
100		135	0	18.47	18.71	18.57	20.00
100		135	69	18.58	18.70	18.74	20.00
100		135	138	18.47	18.69	18.60	20.00
100		270	0	18.47	18.58	18.55	20.00
100		1	1	18.35	18.64	18.57	20.00
100		1	137	18.40	18.61	18.59	20.00
100		1	271	18.35	18.70	18.55	20.00
100	QPSK	135	0	18.39	18.54	18.57	20.00
100		135	69	18.48	18.68	18.56	20.00
100		135	138	18.44	18.66	18.60	20.00
100		270	0	18.47	18.57	18.50	20.00
100	16QAM	1	1	18.45	18.59	18.58	20.00
100	64QAM	1	1	18.00	18.58	18.45	20.00
100	256QAM	1	1	17.98	18.21	18.14	19.50
Channel				648668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3725.02	3840	3934.98	
80	Pi/2 BPSK	1	1	18.44	18.50	18.50	20.00
Channel				648334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	Pi/2 BPSK	1	1	18.42	18.62	18.58	20.00
Channel				649000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	Pi/2 BPSK	1	1	18.41	18.58	18.51	20.00
Channel				648668	650000	653332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	Pi/2 BPSK	1	1	18.90	18.56	18.45	20.00
Channel				648334	650000	653666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3840	3944.99	
50	Pi/2 BPSK	1	1	18.40	18.71	18.47	20.00
Channel				648000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	Pi/2 BPSK	1	1	18.51	18.69	18.46	20.00
Channel				647668	650000	654332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3840	3954.98	
30	Pi/2 BPSK	1	1	18.40	18.71	18.45	20.00
Channel				647000	650000	654000	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	
25	Pi/2 BPSK	1	1	18.37	18.66	18.54	20.00
Channel				647334	650000	654666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	Pi/2 BPSK	1	1	18.49	18.62	18.45	20.00
Channel				647168	650000	654832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	Pi/2 BPSK	1	1	18.48	18.70	18.53	20.00
Channel				647000	650000	655000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	Pi/2 BPSK	1	1	18.45	18.58	18.49	20.00

<FR1 n78 (270)&FR1 n78 (270)_HPUE_Ant 4_DS17>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up Limit (dBm)
Channel					3750	650000	
Frequency (MHz)					3750		
100	Pi/2 BPSK	1	1		18.72		20.00
100		1	137		18.47		20.00
100		1	271		18.50		20.00
100		135	0		18.57		20.00
100		135	69		18.67		20.00
100		135	138		18.53		20.00
100		270	0		18.52		20.00
100		1	1		18.48		20.00
100		1	137		18.48		20.00
100		1	271		18.50		20.00
100	QPSK	135	0		18.57		20.00
100		135	69		18.66		20.00
100		135	138		18.54		20.00
100		270	0		18.51		20.00
100	16QAM	1	1		18.45		20.00
100	64QAM	1	1		18.57		20.00
100	256QAM	1	1		18.07		19.50
Channel				648668		650332	Tune-up Limit (dBm)
Frequency (MHz)				3745.02		3750.98	
80	Pi/2 BPSK	1	1		18.31	18.54	18.44
Channel				648334	650000	650666	Tune-up Limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	Pi/2 BPSK	1	1		18.32	18.56	18.35
Channel				649000	650000	651000	Tune-up Limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	Pi/2 BPSK	1	1		18.30	18.56	18.48
Channel				648668	650000	651332	Tune-up Limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	Pi/2 BPSK	1	1		18.38	18.59	18.34
Channel				648334	650000	651666	Tune-up Limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	Pi/2 BPSK	1	1		18.42	18.56	18.47
Channel				648000	650000	652000	Tune-up Limit (dBm)
Frequency (MHz)				3720	3750	3760	
40	Pi/2 BPSK	1	1		18.28	18.51	18.48
Channel				647668	650000	652332	Tune-up Limit (dBm)
Frequency (MHz)				3715.02	3750	3784.98	
30	Pi/2 BPSK	1	1		18.37	18.51	18.44
Channel				647000	650000	652500	Tune-up Limit (dBm)
Frequency (MHz)				3712.5	3750	3787.5	
25	Pi/2 BPSK	1	1		18.42	18.44	18.48
Channel				647334	650000	652666	Tune-up Limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	Pi/2 BPSK	1	1		18.39	18.53	18.37
Channel				647168	650000	652832	Tune-up Limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	Pi/2 BPSK	1	1		18.41	18.57	18.40
Channel				647000	650000	653000	Tune-up Limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	Pi/2 BPSK	1	1		18.29	18.50	18.34



Full&Default Power Mode and DSI4_UL CA MIMO

Part270 n77 PC2				Ant7			Ant5			Ant7+5			Tune-up limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	
Channel													
Frequency (MHz)				3750	3840	3930	3750	3840	3930	3750	3840	3930	
100	PI2 BPSK	1	1	23.32	23.48	23.36	22.81	22.85	22.78	26.08	26.18	26.09	27.00
100	PI2 BPSK	1	137	23.11	23.38	23.18	22.63	22.81	22.60	25.89	26.11	25.92	27.00
100	PI2 BPSK	1	271	23.05	23.33	23.15	22.61	22.78	22.63	25.85	26.07	25.91	27.00
100	PI2 BPSK	135	0	22.74	22.98	22.76	22.28	22.36	22.22	25.53	25.69	25.51	26.50
100	PI2 BPSK	135	69	23.16	23.43	23.19	22.74	22.89	22.62	25.97	26.14	25.92	27.00
100	PI2 BPSK	135	135	22.76	22.91	22.89	22.17	22.33	22.17	25.49	25.64	25.45	26.50
100	PI2 BPSK	270	0	22.74	22.95	22.82	22.12	22.31	22.13	25.45	25.65	25.50	26.50
100	QPSK	1	1	23.21	23.38	23.15	22.62	22.76	22.62	25.94	26.09	25.90	27.00
100	QPSK	1	137	23.19	23.35	23.23	22.66	22.71	22.62	25.94	26.05	25.95	27.00
100	QPSK	1	271	23.20	23.26	23.13	22.58	22.73	22.57	25.91	26.07	25.87	27.00
100	QPSK	135	0	22.22	22.49	22.25	21.76	21.68	21.67	25.01	25.21	24.98	26.00
100	QPSK	135	69	23.06	23.31	23.07	22.61	22.74	22.66	25.85	26.04	25.88	27.00
100	QPSK	135	138	22.30	22.45	22.22	21.71	21.83	21.62	25.03	25.16	24.94	26.00
100	QPSK	270	0	22.18	22.43	22.31	21.71	21.81	21.66	24.96	25.14	25.01	26.00
100	16QAM	1	1	22.31	22.46	22.30	21.66	21.76	21.57	25.01	25.13	24.96	26.00
100	64QAM	1	1	20.75	20.95	20.72	20.27	20.39	20.21	23.53	23.69	23.48	24.50
100	256QAM	1	1	18.81	18.88	18.88	18.27	18.35	18.23	21.56	21.69	21.58	22.50

Part270 n77 PC1.5				Ant7			Ant5			Ant7+5			Tune-up limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	
Channel													
Frequency (MHz)				3750	3840	3930	3750	3840	3930	3750	3840	3930	
100	PI2 BPSK	1	1	26.35	26.50	26.43	25.80	25.89	25.88	29.09	29.09	29.22	30.00
100	PI2 BPSK	1	137	26.18	26.33	26.16	25.67	25.85	25.55	28.94	29.11	28.89	30.00
100	PI2 BPSK	1	271	26.08	26.32	26.10	25.61	25.85	25.57	28.85	29.10	28.85	30.00
100	PI2 BPSK	135	0	25.66	26.01	25.72	25.25	25.29	25.23	28.47	28.68	28.49	29.50
100	PI2 BPSK	135	69	26.19	26.48	26.25	25.69	25.80	25.64	28.96	29.16	28.97	30.00
100	PI2 BPSK	135	138	25.79	25.92	25.86	25.24	25.41	25.17	28.33	28.66	28.43	29.50
100	PI2 BPSK	270	0	25.79	25.97	25.88	25.09	25.37	25.18	28.46	28.64	28.55	29.50
100	QPSK	1	1	26.23	26.43	26.11	25.61	25.71	25.57	28.94	29.10	28.86	30.00
100	QPSK	1	137	26.25	26.27	26.25	25.61	25.65	25.62	28.95	28.98	28.96	30.00
100	QPSK	1	271	26.26	26.31	26.12	25.64	25.72	25.58	28.97	29.04	28.96	30.00
100	QPSK	135	0	25.26	25.47	25.25	24.76	24.90	24.67	28.04	28.20	27.98	29.00
100	QPSK	135	69	26.13	26.37	26.02	25.66	25.82	25.60	28.91	29.11	28.83	30.00
100	QPSK	135	138	25.26	25.40	25.16	24.75	24.82	24.64	28.02	28.13	27.92	29.00
100	QPSK	270	0	25.14	25.48	25.23	24.78	24.79	24.63	27.87	28.16	27.95	29.00
100	16QAM	1	1	23.38	23.43	23.31	24.69	24.73	24.61	26.01	26.10	25.96	26.00
100	64QAM	1	1	23.67	23.89	23.72	23.24	23.45	23.18	26.47	26.69	26.47	27.50
100	256QAM	1	1	21.79	21.94	21.95	21.29	21.27	21.31	24.56	24.63	24.65	25.50



Part270 n78 PC2				Ant7			Ant5			Ant7+5			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.		
Channel														
Frequency (MHz)					3750			3750			3750			
100	PV2 BPSK	1	1		23.17			22.73			25.97		27.00	0.0
100	PV2 BPSK	1	137		23.01			22.66			25.85		27.00	
100	PV2 BPSK	1	271		23.08			22.68			25.89		27.00	
100	PV2 BPSK	135	0		22.81			22.27			25.45		26.50	0.5
100	PV2 BPSK	135	69		23.14			22.71			25.94		27.00	0.0
100	PV2 BPSK	135	138		22.61			22.16			25.41		26.50	0.5
100	PV2 BPSK	270	0		22.62			22.25			25.45		26.50	
100	QPSK	1	1		23.01			22.68			25.86		27.00	
100	QPSK	1	137		23.04			22.63			25.85		27.00	0.0
100	QPSK	1	271		23.10			22.63			25.88		27.00	1.0
100	QPSK	135	0		22.17			21.73			24.97		26.00	
100	QPSK	135	69		23.02			22.58			25.82		27.00	
100	QPSK	135	138		22.19			21.81			25.01		26.00	1.0
100	QPSK	270	0		22.07			21.73			24.91		26.00	1.0
100	16QAM	1	1		22.18			21.64			24.93		26.00	
100	64QAM	1	1		20.83			20.34			23.50		24.50	2.5
100	256QAM	1	1		18.72			18.21			21.48		22.50	4.5

Part270 n78 PC1.5				Ant7			Ant5			Ant7+5			Tune-up limit (dBm)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.		
Channel														
Frequency (MHz)						3750			3750			3750		
100	PV2 BPSK	1	1			26.24			25.85			29.06		30.00
100	PV2 BPSK	1	137			26.10			25.77			28.95		30.00
100	PV2 BPSK	1	271			26.10			25.80			28.96		30.00
100	PV2 BPSK	135	0			25.65			25.29			28.48		29.50
100	PV2 BPSK	135	69			26.14			25.65			28.91		30.00
100	PV2 BPSK	135	138			25.58			25.32			28.46		29.50
100	PV2 BPSK	270	0			25.59			25.30			28.46		29.50
100	QPSK	1	1			26.19			25.80			28.92		30.00
100	QPSK	1	137			26.02			25.61			28.83		30.00
100	QPSK	1	271			26.02			25.65			28.85		30.00
100	QPSK	135	0			25.14			24.78			27.88		29.00
100	QPSK	135	69			26.01			25.71			28.87		30.00
100	QPSK	135	138			25.03			24.76			27.91		29.00
100	QPSK	270	0			25.15			24.70			27.94		29.00
100	16QAM	1	1			25.06			24.64			27.87		29.00
100	64QAM	1	1			23.57			23.41			26.50		27.50
100	256QAM	1	1			21.60			21.16			24.40		25.50

Reduced Power Mode for DSI 2_UL CA MIMO

Par1270 n77 PC2				Ant7			Ant5			Ant7+5			Tune-up limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 662000	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	
Channel Frequency (MHz)				3750	3840	3930	3750	3840	3930	3750	3840	3930	
100	PI/2 BPSK	1	1	16.91	16.99	16.95	16.79	16.87	16.84	19.86	19.94	19.91	21.10
100	PI/2 BPSK	1	137	16.74	16.91	16.76	16.63	16.86	16.71	19.70	19.90	19.75	21.10
100	PI/2 BPSK	1	271	16.77	16.88	16.79	16.71	16.76	16.73	19.75	19.83	19.77	21.10
100	PI/2 BPSK	135	0	16.78	16.93	16.75	16.71	16.85	16.87	19.76	19.90	19.72	21.10
100	PI/2 BPSK	135	69	16.81	16.95	16.84	16.68	16.86	16.77	19.76	19.92	19.82	21.10
100	PI/2 BPSK	135	138	16.80	16.92	16.82	16.66	16.81	16.71	19.74	19.88	19.78	21.10
100	PI/2 BPSK	270	0	16.76	16.87	16.71	16.65	16.79	16.80	19.72	19.84	19.67	21.10
100	QPSK	1	1	16.71	16.83	16.76	16.60	16.72	16.64	19.67	19.79	19.71	21.10
100	QPSK	1	137	16.74	16.85	16.68	16.64	16.71	16.62	19.70	19.79	19.68	21.10
100	QPSK	1	271	16.78	16.89	16.72	16.64	16.77	16.58	19.72	19.84	19.66	21.10
100	QPSK	135	0	16.71	16.87	16.81	16.65	16.75	16.74	19.69	19.82	19.79	21.10
100	QPSK	135	69	16.66	16.83	16.66	16.57	16.74	16.58	19.63	19.80	19.63	21.10
100	QPSK	135	138	16.68	16.85	16.74	16.58	16.72	16.64	19.63	19.80	19.70	21.10
100	QPSK	270	0	16.61	16.83	16.67	16.55	16.72	16.58	19.59	19.79	19.64	21.10
100	16QAM	1	1	16.72	16.98	16.69	16.61	16.75	16.56	19.68	19.82	19.64	21.10
100	64QAM	1	1	16.64	16.91	16.65	16.56	16.70	16.51	19.61	19.77	19.59	21.10
100	256QAM	1	1	16.62	16.80	16.71	16.49	16.72	16.59	19.57	19.77	19.66	21.10

Par1270 n77 PC1.5				Ant7			Ant5			Ant7+5			Tune-up limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 662000	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 662000	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 662000	
Channel Frequency (MHz)				3750	3840	3930	3750	3840	3930	3750	3840	3930	
100	PI/2 BPSK	1	1	19.97	20.03	19.95	19.92	19.91	19.88	22.96	22.98	22.93	24.10
100	PI/2 BPSK	1	137	19.81	20.00	19.92	19.68	19.86	19.71	22.76	22.94	22.78	24.10
100	PI/2 BPSK	1	271	19.73	19.89	19.74	19.64	19.83	19.63	22.70	22.87	22.70	24.10
100	PI/2 BPSK	135	0	19.84	19.96	19.79	19.75	19.82	19.72	22.81	22.90	22.77	24.10
100	PI/2 BPSK	135	69	19.84	19.97	19.85	19.79	19.87	19.71	22.83	22.93	22.79	24.10
100	PI/2 BPSK	135	138	19.80	19.91	19.77	19.68	19.79	19.71	22.75	22.86	22.75	24.10
100	PI/2 BPSK	270	0	19.78	19.93	19.72	19.64	19.83	19.67	22.72	22.89	22.71	24.10
100	QPSK	1	1	19.71	19.86	19.63	19.60	19.73	19.50	22.67	22.81	22.58	24.10
100	QPSK	1	137	19.72	19.83	19.72	19.60	19.75	19.65	22.67	22.80	22.70	24.10
100	QPSK	1	271	19.72	19.84	19.73	19.66	19.72	19.59	22.70	22.79	22.67	24.10
100	QPSK	135	0	19.80	19.98	19.76	19.69	19.76	19.73	22.76	22.83	22.77	24.10
100	QPSK	135	69	19.69	19.86	19.76	19.57	19.81	19.64	22.54	22.85	22.71	24.10
100	QPSK	135	138	19.63	19.82	19.68	19.49	19.75	19.57	22.57	22.80	22.64	24.10
100	QPSK	270	0	19.72	19.83	19.70	19.65	19.70	19.62	22.70	22.78	22.67	24.10
100	16QAM	1	1	19.73	19.81	19.60	19.65	19.74	19.53	22.70	22.79	22.58	24.10
100	64QAM	1	1	19.71	19.85	19.65	19.62	19.75	19.52	22.68	22.81	22.60	24.10
100	256QAM	1	1	19.65	19.82	19.71	19.54	19.70	19.61	22.61	22.77	22.67	24.10



Part270 n78 PC2				Ant7			Ant5			Ant7+5			Tune-up limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	
Channel				Frequency (MHz)			3750			3750			
100	PI2 BPSK	1	1		16.92			16.77			19.86		21.10
100	PI2 BPSK	1	137		16.93			16.74			19.80		21.10
100	PI2 BPSK	1	271		16.80			16.74			19.76		21.10
100	PI2 BPSK	135	0		16.89			16.73			19.81		21.10
100	PI2 BPSK	135	69		16.90			16.77			19.85		21.10
100	PI2 BPSK	135	138		16.79			16.71			19.76		21.10
100	PI2 BPSK	270	0		16.76			16.63			19.72		21.10
100	QPSK	1	1		16.76			16.65			19.72		21.10
100	QPSK	1	137		16.73			16.59			19.67		21.10
100	QPSK	1	271		16.75			16.67			19.73		21.10
100	QPSK	135	0		16.76			16.66			19.73		21.10
100	QPSK	135	69		16.78			16.65			19.73		21.10
100	QPSK	135	138		16.85			16.73			19.80		21.10
100	QPSK	270	0		16.74			16.63			19.70		21.10
100	16QAM	1	1		16.79			16.66			19.74		21.10
100	64QAM	1	1		16.73			16.67			19.71		21.10
100	256QAM	1	1		16.65			16.57			19.62		21.10

Part270 n78 PC1.5				Ant7			Ant5			Ant7+5			Tune-up limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	
Channel				Frequency (MHz)			3750			3750			
100	PI2 BPSK	1	1		19.93			19.83			22.89		24.10
100	PI2 BPSK	1	137		19.92			19.77			22.86		24.10
100	PI2 BPSK	1	271		19.74			19.64			22.70		24.10
100	PI2 BPSK	135	0		19.89			19.79			22.85		24.10
100	PI2 BPSK	135	69		19.91			19.78			22.86		24.10
100	PI2 BPSK	135	138		19.85			19.75			22.81		24.10
100	PI2 BPSK	270	0		19.82			19.68			22.76		24.10
100	QPSK	1	1		19.78			19.67			22.74		24.10
100	QPSK	1	137		19.68			19.53			22.62		24.10
100	QPSK	1	271		19.76			19.68			22.73		24.10
100	QPSK	135	0		19.74			19.66			22.71		24.10
100	QPSK	135	69		19.75			19.67			22.72		24.10
100	QPSK	135	138		19.71			19.60			22.67		24.10
100	QPSK	270	0		19.79			19.71			22.76		24.10
100	16QAM	1	1		19.69			19.63			22.67		24.10
100	64QAM	1	1		19.71			19.59			22.68		24.10
100	256QAM	1	1		19.75			19.62			22.70		24.10



Reduced Power Mode for DSI 7_UL CA MIMO

Part270 n77 PC2				Ant7			Ant5			Ant7+5			Tune-up limit (dbm)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel				65000	65000	65000	65000	65000	65000	65000	65000	65000	
Frequency (MHz)				3750	3840	3930	3750	3840	3930	3750	3840	3930	
100	Pl2 BPSK	1	1	16.91	16.99	16.95	16.79	16.87	16.84	19.86	19.94	19.91	21.40
100	Pl2 BPSK	1	137	16.74	16.91	16.76	16.63	16.86	16.71	19.70	19.90	19.75	21.40
100	Pl2 BPSK	1	271	16.77	16.88	16.79	16.71	16.76	16.73	19.75	19.83	19.77	21.40
100	Pl2 BPSK	135	0	16.76	16.93	16.75	16.71	16.85	16.67	19.76	19.90	19.72	21.40
100	Pl2 BPSK	135	69	16.81	16.95	16.84	16.68	16.86	16.77	19.76	19.92	19.82	21.40
100	Pl2 BPSK	135	138	16.80	16.92	16.82	16.66	16.81	16.71	19.74	19.88	19.78	21.40
100	Pl2 BPSK	270	0	16.76	16.87	16.71	16.65	16.79	16.60	19.72	19.84	19.67	21.40
100	QPSK	1	1	16.71	16.83	16.76	16.60	16.72	16.64	19.67	19.79	19.71	21.40
100	QPSK	1	137	16.74	16.85	16.68	16.64	16.71	16.62	19.70	19.79	19.66	21.40
100	QPSK	1	271	16.76	16.89	16.72	16.64	16.77	16.58	19.72	19.84	19.66	21.40
100	QPSK	135	0	16.71	16.87	16.81	16.65	16.75	16.74	19.69	19.82	19.79	21.40
100	QPSK	135	69	16.66	16.83	16.66	16.57	16.74	16.58	19.63	19.80	19.63	21.40
100	QPSK	135	138	16.68	16.85	16.74	16.56	16.72	16.64	19.63	19.80	19.70	21.40
100	QPSK	270	0	16.61	16.83	16.67	16.55	16.72	16.58	19.59	19.79	19.64	21.40
100	16QAM	1	1	16.72	16.86	16.69	16.61	16.75	16.58	19.68	19.82	19.64	21.40
100	64QAM	1	1	16.64	16.81	16.65	16.56	16.70	16.51	19.61	19.77	19.59	21.40
100	256QAM	1	1	16.62	16.80	16.71	16.49	16.72	16.59	19.57	19.77	19.66	21.40

Part270 n77 PC1.5				Ant7			Ant5			Ant7+5			Tune-up limit (dbm)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel				65000	65000	65000	65000	65000	65000	65000	65000	65000	
Frequency (MHz)				3750	3840	3930	3750	3840	3930	3750	3840	3930	
100	Pl2 BPSK	1	1	19.97	20.03	19.95	19.92	19.91	19.88	22.96	22.98	22.93	24.40
100	Pl2 BPSK	1	137	19.81	20.00	19.82	19.68	19.86	19.71	22.75	22.94	22.78	24.40
100	Pl2 BPSK	1	271	19.73	19.89	19.74	19.64	19.83	19.63	22.70	22.87	22.76	24.40
100	Pl2 BPSK	135	0	19.84	19.96	19.79	19.75	19.82	19.72	22.81	22.90	22.77	24.40
100	Pl2 BPSK	135	69	19.84	19.97	19.85	19.79	19.87	19.71	22.83	22.93	22.79	24.40
100	Pl2 BPSK	135	138	19.80	19.91	19.77	19.68	19.79	19.71	22.75	22.86	22.75	24.40
100	Pl2 BPSK	270	0	19.76	19.93	19.72	19.64	19.83	19.67	22.72	22.89	22.71	24.40
100	QPSK	1	1	19.71	19.86	19.63	19.60	19.73	19.50	22.67	22.81	22.58	24.40
100	QPSK	1	137	19.72	19.83	19.72	19.60	19.75	19.65	22.67	22.80	22.70	24.40
100	QPSK	1	271	19.72	19.84	19.73	19.66	19.72	19.59	22.70	22.79	22.67	24.40
100	QPSK	135	0	19.80	19.88	19.78	19.69	19.76	19.73	22.75	22.83	22.77	24.40
100	QPSK	135	69	19.69	19.86	19.76	19.57	19.81	19.64	22.64	22.85	22.71	24.40
100	QPSK	135	138	19.63	19.82	19.68	19.49	19.75	19.57	22.57	22.80	22.64	24.40
100	QPSK	270	0	19.72	19.83	19.70	19.65	19.70	19.62	22.70	22.78	22.67	24.40
100	16QAM	1	1	19.73	19.81	19.60	19.65	19.74	19.53	22.70	22.79	22.58	24.40
100	64QAM	1	1	19.71	19.85	19.65	19.62	19.75	19.52	22.68	22.81	22.60	24.40
100	256QAM	1	1	19.65	19.82	19.71	19.64	19.76	19.61	22.61	22.77	22.67	24.40



Part270 n78 PC2				Ant7			Ant5			Ant7+5			Tune-up limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				650000			650000			650000			
Frequency (MHz)				3750			3750			3750			
100	PI2 BPSK	1	1	16.92			16.77			19.86			21.40
100	PI2 BPSK	1	137	16.83			16.74			19.80			21.40
100	PI2 BPSK	1	271	16.80			16.74			19.78			21.40
100	PI2 BPSK	135	0	16.86			16.73			19.81			21.40
100	PI2 BPSK	135	69	16.90			16.77			19.85			21.40
100	PI2 BPSK	135	138	16.79			16.71			19.76			21.40
100	PI2 BPSK	270	0	16.76			16.63			19.72			21.40
100	QPSK	1	1	16.76			16.65			19.72			21.40
100	QPSK	1	137	16.73			16.59			19.67			21.40
100	QPSK	1	271	16.76			16.67			19.73			21.40
100	QPSK	135	0	16.78			16.65			19.73			21.40
100	QPSK	135	69	16.76			16.65			19.73			21.40
100	QPSK	135	138	16.85			16.73			19.80			21.40
100	QPSK	270	0	16.74			16.63			19.70			21.40
100	16QAM	1	1	16.79			16.66			19.74			21.40
100	64QAM	1	1	16.73			16.67			19.71			21.40
100	256QAM	1	1	16.65			16.57			19.62			21.40

Part270 n78 PC1.5				Ant7			Ant5			Ant7+5			Tune-up limit (dbm)	MPR (db)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.		
Channel				650000			650000			650000				
Frequency (MHz)				3750			3750			3750				
100	PI2 BPSK	1	1	19.93			19.83			22.89			24.40	0.0
100	PI2 BPSK	1	137	19.92			19.77			22.86			24.40	
100	PI2 BPSK	1	271	19.74			19.64			22.70			24.40	
100	PI2 BPSK	135	0	19.89			19.79			22.85			24.40	0.5
100	PI2 BPSK	135	69	19.91			19.78			22.88			24.40	0.0
100	PI2 BPSK	135	138	19.85			19.75			22.81			24.40	0.5
100	PI2 BPSK	270	0	19.92			19.68			22.76			24.40	
100	QPSK	1	1	19.78			19.67			22.74			24.40	
100	QPSK	1	137	19.68			19.53			22.62			24.40	0.0
100	QPSK	1	271	19.76			19.68			22.73			24.40	
100	QPSK	135	0	19.74			19.66			22.71			24.40	
100	QPSK	135	69	19.75			19.67			22.72			24.40	0.0
100	QPSK	135	138	19.71			19.60			22.67			24.40	1.0
100	QPSK	270	0	19.79			19.71			22.76			24.40	
100	16QAM	1	1	19.69			19.63			22.67			24.40	
100	64QAM	1	1	19.71			19.59			22.66			24.40	2.5
100	256QAM	1	1	19.75			19.62			22.70			24.40	4.5



Reduced Power Mode for DSI 3&6_UL CA MIMO

Part270 n77 PC2				Ant7			Ant5			Ant7+5			Tune-up limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel				650000	656000	662000	650000	656000	662000	650000	656000	662000	
Frequency (MHz)				3760	3840	3920	3760	3840	3920	3760	3840	3920	
100	Pi2 BPSK	1	1	19.42	19.49	19.44	19.29	19.36	19.33	22.37	22.44	22.40	23.50
100	Pi2 BPSK	1	137	19.25	19.41	19.25	19.16	19.32	19.18	22.22	22.38	22.23	23.50
100	Pi2 BPSK	1	271	19.31	19.45	19.29	19.24	19.36	19.19	22.29	22.42	22.25	23.50
100	Pi2 BPSK	135	0	19.25	19.40	19.31	19.17	19.30	19.24	22.22	22.36	22.29	23.50
100	Pi2 BPSK	135	69	19.38	19.46	19.32	19.31	19.37	19.25	22.36	22.43	22.30	23.50
100	Pi2 BPSK	135	138	19.33	19.43	19.30	19.22	19.33	19.17	22.29	22.39	22.25	23.50
100	Pi2 BPSK	270	0	19.19	19.38	19.32	19.14	19.27	19.27	22.18	22.34	22.31	23.50
100	QPSK	1	1	19.21	19.38	19.24	19.14	19.29	19.17	22.19	22.34	22.22	23.50
100	QPSK	1	137	19.23	19.31	19.11	19.18	19.21	18.99	22.23	22.27	22.06	23.50
100	QPSK	1	271	19.19	19.33	19.26	19.06	19.16	19.18	22.14	22.27	22.23	23.50
100	QPSK	135	0	19.17	19.34	19.20	19.06	19.25	19.10	22.13	22.31	22.16	23.50
100	QPSK	135	69	19.22	19.37	19.22	19.10	19.24	19.10	22.17	22.32	22.17	23.50
100	QPSK	135	138	19.21	19.32	19.16	19.13	19.26	19.09	22.18	22.30	22.14	23.50
100	QPSK	270	0	19.14	19.30	19.14	19.08	19.22	19.03	22.12	22.27	22.10	23.50
100	16QAM	1	1	19.09	19.29	19.16	19.04	19.16	19.11	22.06	22.24	22.16	23.50
100	64QAM	1	1	19.17	19.36	19.17	19.03	19.28	19.05	22.11	22.33	22.12	23.50
100	256QAM	1	1	18.32	18.48	18.32	18.19	18.37	18.26	21.27	21.44	21.30	22.50

Part270 n77 PC1.5				Ant7			Ant5			Ant7+5			Tune-up limit (dBm)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel				650000	656000	662000	650000	656000	662000	650000	656000	662000	
Frequency (MHz)				3760	3840	3920	3760	3840	3920	3760	3840	3920	
100	Pi2 BPSK	1	1	22.48	22.53	22.46	22.40	22.47	22.32	25.45	25.51	25.40	26.50
100	Pi2 BPSK	1	137	22.31	22.44	22.23	22.17	22.33	22.17	25.25	25.40	25.21	26.50
100	Pi2 BPSK	1	271	22.34	22.48	22.34	22.22	22.40	22.20	25.29	25.45	25.28	26.50
100	Pi2 BPSK	135	0	22.33	22.46	22.35	22.18	22.37	22.27	25.27	25.43	25.32	26.50
100	Pi2 BPSK	135	69	22.37	22.50	22.36	22.30	22.41	22.26	25.35	25.47	25.32	26.50
100	Pi2 BPSK	135	138	22.35	22.41	22.27	22.15	22.34	22.13	25.21	25.39	25.21	26.50
100	Pi2 BPSK	270	0	22.32	22.46	22.38	22.20	22.37	22.29	25.27	25.43	25.35	26.50
100	QPSK	1	1	22.33	22.43	22.26	22.23	22.33	22.13	25.29	25.39	25.21	26.50
100	QPSK	1	137	22.38	22.47	22.37	22.24	22.36	22.32	25.32	25.42	25.36	26.50
100	QPSK	1	271	22.27	22.41	22.31	22.16	22.35	22.18	25.23	25.39	25.26	26.50
100	QPSK	135	0	22.25	22.38	22.17	22.15	22.27	22.07	25.21	25.34	25.13	26.50
100	QPSK	135	69	22.24	22.34	22.22	22.11	22.22	22.08	25.19	25.29	25.16	26.50
100	QPSK	135	138	22.17	22.36	22.20	22.07	22.29	22.08	25.13	25.34	25.15	26.50
100	QPSK	270	0	22.24	22.39	22.21	22.16	22.30	22.10	25.21	25.36	25.17	26.50
100	16QAM	1	1	22.19	22.34	22.14	22.13	22.25	21.99	25.17	25.31	25.08	26.50
100	64QAM	1	1	22.34	22.42	22.23	22.26	22.35	22.13	25.31	25.40	25.19	26.50
100	256QAM	1	1	21.41	21.55	21.43	21.31	21.47	21.30	24.37	24.52	24.38	25.50



Part270 n78 PC2				Ant7			Ant5			Ant7+5			
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	Tune-up (dBm)
Channel				3750			3750			3750			
Frequency (MHz)													
100	PI2 BPSK	1	1	19.45			19.31			22.39			23.50
100	PI2 BPSK	1	137	19.29			19.21			22.26			23.50
100	PI2 BPSK	1	271	19.40			19.31			22.37			23.50
100	PI2 BPSK	135	0	19.25			19.19			22.23			23.50
100	PI2 BPSK	135	69	19.39			19.32			22.37			23.50
100	PI2 BPSK	135	138	19.37			19.29			22.34			23.50
100	PI2 BPSK	270	0	19.36			19.21			22.30			23.50
100	QPSK	1	1	19.20			19.06			22.14			23.50
100	QPSK	1	137	19.19			19.06			22.14			23.50
100	QPSK	1	271	19.25			19.17			22.22			23.50
100	QPSK	135	0	19.17			19.11			22.15			23.50
100	QPSK	135	69	19.22			19.09			22.17			23.50
100	QPSK	135	138	19.22			19.13			22.19			23.50
100	QPSK	270	0	19.27			19.19			22.24			23.50
100	16QAM	1	1	19.18			19.07			22.14			23.50
100	64QAM	1	1	19.23			19.11			22.18			23.50
100	256QAM	1	1	18.46			18.41			21.45			22.50

Part270 n78 PC1.5				Ant7			Ant5			Ant7+5			
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq.	Tune-up (dBm)
Channel				3750			3750			3750			
Frequency (MHz)													
100	PI2 BPSK	1	1	22.49			22.40			25.46			26.50
100	PI2 BPSK	1	137	22.36			22.18			25.23			26.50
100	PI2 BPSK	1	271	22.38			22.29			25.34			26.50
100	PI2 BPSK	135	0	22.35			22.26			25.32			26.50
100	PI2 BPSK	135	69	22.46			22.32			25.40			26.50
100	PI2 BPSK	135	138	22.32			22.20			25.27			26.50
100	PI2 BPSK	270	0	22.43			22.28			25.37			26.50
100	QPSK	1	1	22.31			22.24			25.29			26.50
100	QPSK	1	137	22.40			22.30			25.36			26.50
100	QPSK	1	271	22.33			22.24			25.30			26.50
100	QPSK	135	0	22.25			22.12			25.20			26.50
100	QPSK	135	69	22.31			22.21			25.27			26.50
100	QPSK	135	138	22.28			22.16			25.23			26.50
100	QPSK	270	0	22.24			22.13			25.20			26.50
100	16QAM	1	1	22.16			22.08			25.13			26.50
100	64QAM	1	1	22.32			22.17			25.26			26.50
100	256QAM	1	1	21.41			21.29			24.36			25.50



<5.2GHz WLAN_Ant 5+4_Full Power>

Mode	Channel	Frequency (MHz)	Ant 5+4(S)		Ant 5+4(E)		Ant 5+4		Data Cycle %
			Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	
802.11a 80Mbps	36	5180	17.07	18.50	16.59	18.50	19.85	21.50	98.83
	40	5200	17.19	18.50	16.87	18.50	20.04	21.50	98.83
	44	5220	17.28	18.50	16.90	18.50	20.10	21.50	98.83
802.11a+HT20 MCS0	48	5240	17.27	18.50	16.88	18.50	20.14	21.50	98.83
	36	5180	17.76	19.00	17.18	18.50	20.49	22.00	100.00
	40	5200	17.44	19.00	16.97	18.50	20.22	22.00	100.00
802.11a+HT40 MCS0	44	5200	17.51	19.00	17.12	18.50	20.33	22.00	100.00
	48	5240	17.52	19.00	17.15	18.50	20.35	22.00	100.00
	36	5180	17.07	18.50	16.51	18.50	19.81	21.50	100.00
802.11a+VHT20 MCS0	40	5200	19.36	21.00	19.71	21.00	22.08	24.00	100.00
	36	5180	17.84	19.50	17.26	18.00	20.57	22.50	100.00
	40	5200	17.50	19.00	17.04	18.50	20.29	22.00	100.00
802.11a+VHT40 MCS0	44	5200	17.58	19.00	17.20	18.50	20.40	22.00	100.00
	48	5240	17.59	19.00	17.23	18.50	20.42	22.00	100.00
	36	5180	17.14	18.50	16.58	18.50	19.88	21.50	100.00
802.11a+HE20 MCS0	48	5200	19.43	21.00	19.75	21.00	22.05	24.00	100.00
	42	5210	17.79	19.50	17.27	19.00	20.55	22.50	100.00
	36	5180	17.62	19.50	17.34	19.00	20.65	22.50	100.00
802.11a+HE40 MCS0	40	5200	17.56	19.00	17.12	18.50	20.36	22.00	100.00
	44	5220	17.66	19.00	17.28	18.50	20.48	22.00	100.00
	48	5240	17.66	19.00	17.31	18.50	20.50	22.00	100.00
802.11a+HE80 MCS0	38	5190	17.20	18.50	16.65	18.50	19.94	21.50	100.00
	46	5230	16.46	21.00	16.78	21.00	22.62	24.00	100.00
	42	5210	17.85	19.50	17.33	18.50	20.61	22.50	100.00
802.11a+EH20 MCS0	36	5180	17.88	19.00	17.41	19.00	20.71	22.50	100.00
	40	5200	17.84	19.00	17.18	18.00	20.43	22.00	100.00
	44	5220	17.74	19.50	17.36	19.00	20.56	22.50	100.00
802.11a+EH40 MCS0	48	5240	17.73	19.50	17.38	19.00	20.57	22.50	100.00
	36	5180	17.28	18.50	16.71	18.50	20.01	21.50	100.00
	46	5230	18.53	21.00	18.81	21.00	22.68	24.00	100.00
802.11a+EH80 MCS0	42	5210	17.91	19.50	17.41	19.00	20.68	22.50	100.00

<5.3GHz WLAN_Ant 5+4_Full Power>

Mode	Channel	Frequency (MHz)	Ant 5+4(S)		Ant 5+4(E)		Ant 5+4		Data Cycle %
			Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	
802.11a 80Mbps	82	5260	17.13	18.50	16.92	18.50	20.04	21.50	98.83
	86	5280	17.24	18.50	16.87	18.50	20.07	21.50	98.83
	90	5300	17.17	18.50	16.94	18.50	19.88	21.50	98.83
802.11a+HT20 MCS0	84	5320	17.60	19.00	16.91	18.50	20.28	22.00	100.00
	82	5260	17.33	19.00	17.07	18.50	20.21	22.00	100.00
	86	5280	17.43	19.00	16.94	18.50	20.20	22.00	100.00
802.11a+HT40 MCS0	80	5300	17.42	19.00	16.83	18.50	20.15	22.00	100.00
	84	5320	17.87	19.50	17.31	19.00	20.61	22.50	100.00
	84	5316	16.37	21.00	16.51	21.00	22.45	24.00	100.00
802.11a+VHT20 MCS0	82	5260	17.13	18.50	16.46	18.00	19.83	21.00	100.00
	82	5260	17.40	19.00	17.15	19.00	20.29	22.00	100.00
	86	5280	17.50	19.00	17.02	19.00	20.28	22.00	100.00
802.11a+VHT40 MCS0	80	5300	17.40	19.00	16.89	18.50	20.21	22.00	100.00
	84	5320	17.85	19.50	17.37	19.00	20.68	22.50	100.00
	84	5316	16.41	21.00	16.55	21.00	22.49	24.00	100.00
802.11a+HE20 MCS0	86	5310	17.19	18.50	16.54	18.00	19.89	21.50	100.00
	86	5290	16.12	19.50	17.43	19.00	20.80	22.50	100.00
	86	5290	16.62	19.50	16.42	19.00	19.63	21.50	100.00
802.11a+HE40 MCS0	82	5260	17.48	19.00	17.23	19.00	20.37	22.00	100.00
	86	5280	17.56	19.00	17.08	19.00	20.34	22.00	100.00
	80	5300	17.55	19.00	16.96	18.50	20.28	22.00	100.00
802.11a+HE80 MCS0	84	5320	18.00	19.50	17.45	19.00	20.75	22.50	100.00
	84	5270	16.45	21.00	16.62	21.00	22.55	24.00	100.00
	82	5310	17.25	18.50	16.60	18.50	19.95	21.50	100.00
802.11a+EH20 MCS0	88	5390	18.19	19.50	17.49	19.00	20.86	22.50	100.00
	88	5390	16.86	18.50	16.48	18.00	19.69	21.50	100.00
	82	5260	17.06	19.00	17.20	18.00	20.43	22.00	100.00
802.11a+EH40 MCS0	86	5280	17.62	19.00	17.14	19.00	20.40	22.00	100.00
	80	5300	17.62	19.00	17.03	19.00	20.35	22.00	100.00
	84	5320	18.00	19.50	17.52	19.00	20.82	22.50	100.00
802.11a+EH80 MCS0	84	5270	16.51	21.00	16.66	21.00	22.60	24.00	100.00
	82	5310	17.32	18.50	16.66	18.50	20.61	21.50	100.00
	86	5290	18.25	19.50	17.56	19.50	20.93	22.50	100.00
802.11a+EH160 MCS0	80	5300	16.06	18.50	16.55	18.00	19.78	21.00	100.00



<5GHz WLAN_Ant 5+4_Full Power>

Mode	Channel	Frequency (MHz)	Ant 5+4(S)		Ant 5+4(E)		Ant 5+4		Data Crate %
			Average Power (dBm)	Trans-Up Limit	Average Power (dBm)	Trans-Up Limit	Average Power (dBm)	Trans-Up Limit	
802.11a 6Mbps	100	5500	17.92	19.00	16.69	18.50	20.36	22.00	98.63
	116	5580	17.45	19.00	16.53	18.50	20.02	22.00	98.63
	124	5620	17.40	19.00	16.80	18.50	20.12	22.00	98.63
	132	5660	17.39	19.00	17.11	19.00	20.26	22.00	98.63
	140	5700	17.32	19.00	17.06	19.00	20.22	22.00	98.63
802.11a+HT20 MCS0	144	5720	17.43	19.00	16.90	18.50	20.19	22.00	98.63
	160	5800	16.60	19.00	16.95	18.50	20.52	22.00	100.00
	116	5580	17.53	19.50	17.20	19.00	20.59	22.50	100.00
	124	5620	17.62	19.50	17.26	19.50	20.70	22.50	100.00
	132	5660	17.62	19.50	17.60	19.00	20.93	22.50	100.00
802.11a+HT40 MCS0	140	5700	17.62	19.00	17.23	19.00	20.49	22.00	100.00
	144	5720	17.57	19.00	17.23	19.00	20.41	22.00	100.00
	160	5800	16.63	19.50	16.90	18.50	20.51	22.50	100.00
	110	5550	16.58	21.00	19.21	21.00	22.41	24.00	100.00
	126	5640	16.47	21.00	19.67	21.50	22.08	24.50	100.00
802.11a+VHT20 MCS0	134	5670	16.94	20.50	18.67	20.50	21.92	23.50	100.00
	142	5710	16.64	21.50	20.06	21.50	22.67	24.50	100.00
	160	5800	16.66	19.50	17.02	19.00	20.58	22.50	100.00
	116	5580	17.89	19.50	17.28	19.00	20.66	22.50	100.00
	124	5620	17.88	19.50	17.63	19.50	20.77	22.50	100.00
802.11a+VHT30 MCS0	132	5660	17.66	19.50	17.76	19.00	20.88	22.50	100.00
	140	5700	17.68	19.00	17.29	19.00	20.50	22.00	100.00
	144	5720	17.64	19.00	17.30	19.00	20.46	22.00	100.00
	160	5800	16.10	19.50	16.98	18.50	20.59	22.50	100.00
	110	5550	16.63	21.00	19.23	21.00	22.44	24.00	100.00
802.11a+VHT40 MCS0	126	5640	16.90	21.00	19.68	21.50	22.71	24.50	100.00
	134	5680	16.92	20.50	18.94	20.50	21.99	23.50	100.00
	142	5710	16.69	21.50	20.09	21.50	22.90	24.50	100.00
	160	5800	16.99	18.50	16.05	18.00	19.56	21.50	100.00
	122	5610	16.18	20.50	18.70	20.50	21.96	23.50	100.00
802.11a+VHT60 MCS0	138	5690	16.66	21.00	20.01	21.50	22.86	24.50	100.00
	114	5560	17.36	19.00	16.90	18.50	20.01	22.00	100.00
802.11a+HE20 MCS0	160	5800	16.14	19.50	17.08	18.50	20.65	22.50	100.00
	116	5580	16.07	19.50	17.34	19.00	20.73	22.50	100.00
	124	5620	17.65	19.50	17.76	19.50	20.84	22.50	100.00
	132	5660	16.05	19.50	17.63	19.50	20.95	22.50	100.00
	140	5700	17.74	19.00	17.67	19.00	20.67	22.00	100.00
802.11a+HE40 MCS0	144	5720	17.70	19.50	17.37	19.00	20.55	22.50	100.00
	160	5800	16.18	19.50	17.06	18.50	20.67	22.50	100.00
	110	5550	16.68	21.00	18.26	21.00	22.49	24.00	100.00
	126	5630	16.52	21.50	19.97	21.50	22.76	24.50	100.00
	134	5670	16.09	21.00	19.62	21.00	22.07	24.00	100.00
802.11a+HE80 MCS0	142	5710	16.70	21.50	20.74	21.00	22.95	24.50	100.00
	160	5800	17.67	18.50	16.98	18.00	19.59	21.50	100.00
	122	5610	16.26	21.00	18.78	20.50	22.04	24.00	100.00
	138	5690	16.70	21.50	20.05	21.50	22.89	24.50	100.00
	114	5570	17.42	19.00	16.55	18.50	20.63	22.00	100.00
802.11a+EH40 MCS0	160	5800	16.22	19.50	17.46	19.00	20.78	22.50	100.00
	116	5580	16.15	19.50	17.41	19.00	20.81	22.50	100.00
	124	5620	16.02	19.50	17.77	19.50	20.91	22.50	100.00
	132	5660	16.12	19.50	17.91	19.50	21.03	22.50	100.00
	140	5700	17.81	18.50	17.43	18.50	20.63	22.00	100.00
802.11a+EH80 MCS0	144	5720	17.78	19.50	17.45	19.00	20.62	22.50	100.00
	160	5800	16.24	19.00	17.14	18.50	20.74	22.50	100.00
	110	5550	16.71	21.50	19.33	21.00	22.63	24.50	100.00
	126	5630	16.64	21.50	20.03	21.50	22.86	24.50	100.00
	134	5670	16.16	21.00	19.08	21.00	22.13	24.00	100.00
802.11a+EH160 MCS0	142	5710	16.75	21.50	20.19	21.50	22.90	24.50	100.00
	160	5800	17.69	18.50	16.12	18.00	19.61	21.50	100.00
	122	5610	16.32	21.00	18.86	20.50	22.11	24.00	100.00
	138	5690	16.72	21.50	20.07	21.50	22.91	24.50	100.00
	114	5570	17.47	19.00	16.61	18.50	20.67	22.00	100.00

<5GHz WLAN_Ant 5+4_Full Power>

Mode	Channel	Frequency (MHz)	Ant 5+4(S)		Ant 5+4(E)		Ant 5+4		Data Crate %
			Average Power (dBm)	Trans-Up Limit	Average Power (dBm)	Trans-Up Limit	Average Power (dBm)	Trans-Up Limit	
802.11a 6Mbps	146	5745	20.27	21.50	19.65	21.50	22.98	24.50	98.63
	167	5795	20.29	21.50	19.84	21.50	23.08	24.50	98.63
	165	5805	20.29	21.50	19.91	21.50	23.07	24.50	98.63
	145	5745	20.68	21.50	19.52	21.50	22.81	24.50	100.00
	137	5795	20.65	21.50	19.65	21.50	22.86	24.50	100.00
802.11a+HT20 MCS0	145	5805	20.01	21.50	19.61	21.00	22.82	24.50	100.00
	151	5755	19.65	21.50	19.45	21.00	22.66	24.50	100.00
	159	5795	19.92	21.50	19.52	21.00	22.73	24.50	100.00
	149	5745	20.16	21.50	19.57	21.50	22.89	24.50	100.00
	157	5795	20.12	21.50	19.71	21.50	22.93	24.50	100.00
802.11a+VHT20 MCS0	145	5805	20.07	21.50	19.69	21.50	22.89	24.50	100.00
	151	5755	19.97	21.50	19.48	21.00	22.74	24.50	100.00
	159	5795	20.00	21.50	19.56	21.00	22.81	24.50	100.00
	149	5745	19.34	21.00	18.76	20.50	22.07	24.00	100.00
	145	5745	20.23	21.50	19.61	21.00	22.94	24.50	100.00
802.11a+VHT30 MCS0	137	5795	20.18	21.50	19.75	21.50	22.99	24.50	100.00
	145	5805	20.16	21.50	19.74	21.00	22.97	24.50	100.00
	151	5755	20.05	21.50	19.52	21.00	22.80	24.50	100.00
	159	5795	20.04	21.50	19.68	21.50	22.87	24.50	100.00
	155	5775	19.98	21.00	19.77	20.50	22.09	24.00	100.00
802.11a+HE20 MCS0	145	5745	20.35	21.50	19.64	21.50	22.92	24.50	100.00
	137	5795	20.26	21.50	19.61	21.50	23.05	24.50	100.00
	145	5805	20.23	21.50	19.83	21.00	23.04	24.50	100.00
	151	5755	20.13	21.50	19.57	21.00	22.87	24.50	100.00
	159	5795	20.14	21.00	19.76	21.50	22.96	24.50	100.00
802.11a+EH40 MCS0	145	5775	19.97	21.00	19.79	20.50	22.10	24.00	100.00

<8GHz WLAN_Ant 5x4_Full Power>

Mode	Channel	Frequency (MHz)	Ant 5x4(S)		Ant 5x4(L)		Ant 5x4		Duty Cycle %
			Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	
802.11a (Mbps)	1	5955	5.61	7.00	5.19	7.00	6.42	10.00	98.97
	57	6235	5.11	6.00	4.98	6.00	6.06	9.50	98.97
	113	6515	4.93	6.00	4.75	6.00	7.86	9.50	98.97
	179	6815	5.01	6.00	4.42	6.00	7.74	9.50	98.97
	233	7115	5.86	7.00	5.75	7.00	8.82	10.00	98.97
802.11a+HE(2) MCS9	1	5955	6.05	7.00	5.72	7.00	6.90	10.00	100.00
	57	6235	5.61	7.00	5.42	7.00	6.53	10.00	100.00
	113	6515	5.30	7.00	5.35	7.00	6.34	10.00	100.00
	179	6815	5.35	7.00	4.91	6.00	6.15	10.00	100.00
	233	7115	4.95	3.50	4.96	3.50	5.96	6.50	100.00
802.11a+HE(4) MCS9	3	5965	8.59	10.00	8.51	10.00	11.74	13.00	100.00
	59	6245	9.02	10.00	8.34	10.00	11.70	13.00	100.00
	107	6465	8.42	10.00	6.30	10.00	11.37	13.00	100.00
	171	6805	8.20	9.50	7.80	9.50	11.01	12.00	100.00
	227	7025	9.75	11.00	9.15	11.00	12.46	14.00	100.00
802.11a+HE(8) MCS9	7	5985	12.01	13.00	11.75	13.00	14.89	16.00	100.00
	71	6305	11.72	13.00	11.33	13.00	14.54	16.00	100.00
	119	6545	10.86	12.00	11.29	13.00	14.10	16.00	100.00
	167	6785	11.05	13.00	11.32	13.00	14.45	16.00	100.00
	215	7025	11.94	13.00	11.04	12.00	14.52	16.00	100.00
802.11a+HE(16) MCS9	15	6025	14.39	16.00	14.37	16.00	17.29	19.00	100.00
	47	6165	13.91	15.00	13.49	15.00	16.66	18.00	100.00
	111	6605	13.62	15.00	13.86	15.00	16.75	18.00	100.00
	143	6665	14.00	15.00	14.07	15.00	17.05	18.00	100.00
	207	6885	14.37	15.00	13.39	15.00	16.92	18.00	100.00
802.11a+EHT(2) MCS9	1	6045	6.07	7.00	5.76	7.00	6.93	10.00	100.00
	57	6235	5.65	7.00	5.45	7.00	6.56	10.00	100.00
	113	6515	5.33	7.00	5.39	7.00	6.37	10.00	100.00
	173	6815	5.38	7.00	4.94	6.00	6.18	10.00	100.00
	233	7115	-4.93	-3.50	-4.97	-3.50	-1.94	-6.50	100.00
802.11a+EHT(4) MCS9	3	6065	8.96	10.00	8.53	10.00	11.76	13.00	100.00
	59	6245	9.05	10.00	8.37	10.00	11.73	13.00	100.00
	107	6465	8.47	10.00	6.33	10.00	11.41	13.00	100.00
	171	6805	8.26	9.50	7.82	9.50	11.06	12.00	100.00
	227	7065	9.62	11.00	9.19	11.00	12.53	14.00	100.00
802.11a+EHT(8) MCS9	7	6085	12.04	13.00	11.78	13.00	14.92	16.00	100.00
	71	6305	11.76	13.00	11.37	13.00	14.57	16.00	100.00
	119	6545	10.94	12.00	11.31	13.00	14.14	16.00	100.00
	167	6785	11.08	13.00	11.37	13.00	14.49	16.00	100.00
	215	7025	12.01	13.00	11.07	13.00	14.56	16.00	100.00
802.11a+EHT(16) MCS9	15	6025	14.42	16.00	14.39	16.00	17.42	19.00	100.00
	47	6165	13.94	15.00	13.53	15.00	16.70	18.00	100.00
	111	6605	13.65	15.00	13.60	15.00	16.80	18.00	100.00
	143	6665	14.03	15.00	14.09	15.00	17.07	18.00	100.00
	207	6885	14.44	15.00	13.41	15.00	16.97	18.00	100.00
802.11a+EHT(32) MCS9	31	6105	17.17	18.00	16.89	18.00	20.04	21.00	100.00
	63	6205	16.77	18.00	16.03	17.00	19.43	21.00	100.00
	95	6425	16.89	17.00	15.86	17.00	18.95	20.00	100.00
	127	6645	16.23	17.00	15.94	17.00	19.10	20.00	100.00
	159	6745	17.06	18.00	15.93	17.00	19.54	21.00	100.00
802.11a+EHT(64) MCS9	191	6905	16.27	17.00	15.48	17.00	18.90	20.00	100.00

<2.4GHz WLAN_Ant 6+3_Full Power>

Mode	Channel	Frequency 9000	Ant 6+3(6)		Ant 6+3(3)		Ant 6+3		Data Cnvs %
			Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	
802.11b-1Mbps	1	2412	20.21	21.50	20.35	21.50	22.29	24.50	97.63
	6	2437	19.84	21.50	20.01	21.50	22.84	24.50	97.63
	11	2462	20.09	21.50	19.89	21.50	23.00	24.50	97.63
802.11g-6Mbps	1	2412	19.17	20.50	18.89	20.50	22.34	23.50	98.63
	6	2437	19.55	21.50	20.12	21.50	22.08	24.50	98.63
	11	2462	18.21	19.50	17.94	19.50	21.09	22.50	98.63
802.11n-HT20 MCS0	1	2412	17.96	19.50	17.62	19.50	20.80	22.50	100.00
	6	2437	19.67	21.50	19.91	21.50	22.90	24.50	100.00
	11	2462	17.68	19.50	17.35	19.50	20.53	22.00	100.00
802.11n-HT40 MCS0	3	2422	18.89	20.50	18.78	20.50	21.90	23.50	100.00
	6	2437	19.45	21.00	19.38	21.00	22.43	24.00	100.00
	9	2452	17.40	19.00	16.85	19.00	19.94	21.50	100.00
802.11n-HE20 MCS0	1	2412	16.03	19.50	17.69	19.50	20.87	22.50	100.00
	6	2437	19.92	21.50	19.96	21.50	22.95	24.50	100.00
	11	2462	17.75	19.50	17.42	19.50	20.60	22.00	100.00
802.11n-HE40 MCS0	3	2422	19.05	20.50	18.94	20.50	21.98	23.50	100.00
	6	2437	19.61	21.00	19.45	21.00	22.49	24.00	100.00
	9	2452	17.28	19.00	16.71	19.00	20.01	21.50	100.00
802.11n-EXT20 MCS0	1	2412	18.11	19.50	17.75	19.50	20.94	22.50	100.00
	6	2437	19.98	21.50	20.03	21.50	23.02	24.50	100.00
	11	2462	17.82	19.50	17.48	19.50	20.66	22.00	100.00
802.11n-EXT40 MCS0	3	2422	19.14	20.50	18.92	20.50	22.04	23.50	100.00
	6	2437	19.69	21.00	19.51	21.00	22.56	24.00	100.00
	9	2452	17.34	19.00	16.79	19.00	20.08	21.50	100.00

<Bluetooth_Ant 6_Full Power>

Mode	Channel	Frequency (MHz)	Ant 6		
			Average Power (dBm)	Turn-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	17.59	19.00	77.33
	39	2441	19.11	21.00	77.33
	76	2480	17.46	19.00	77.33
BR / EDR 2Mbps	0	2402	16.33	16.50	30.79
	39	2441	16.51	18.00	30.79
	76	2480	14.84	16.50	30.79
BR / EDR 3Mbps	0	2402	15.06	16.50	30.94
	39	2441	16.50	18.00	30.94
	76	2480	14.92	16.50	30.94
LE 102Mbps	0	2402	11.19	13.00	62.95
	19	2440	12.94	13.00	62.95
	39	2480	11.96	13.00	62.95
LE 50Mbps	0	2402	11.26	13.00	56.92
	19	2440	12.00	13.00	56.92
	39	2480	11.83	13.00	56.92
LE 1Mbps	0	2402	11.36	13.00	62.50
	19	2440	12.12	14.00	62.50
	39	2480	12.03	14.00	62.50
LE 2Mbps	0	2402	11.41	13.00	32.87
	19	2440	12.21	14.00	32.87
	39	2480	12.16	14.00	32.87
BTLE 0 GFSK 1Mbps	2	2404	13.96	15.00	100.00
	38	2440	15.05	16.50	100.00
	76	2478	13.88	15.00	100.00
BTLE 0 GFSK 2Mbps	2	2404	13.98	15.00	100.00
	38	2440	15.10	16.50	100.00
	76	2478	13.71	15.00	100.00
BTLE 0 ASK 1Mbps	2	2404	18.12	20.00	100.00
	38	2440	19.88	21.00	100.00
	76	2478	18.49	20.00	100.00

<Bluetooth_Ant 3_Full Power>

Mode	Channel	Frequency (MHz)	Ant.3		
			Average Power (dBm)	Turn-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	14.98	16.00	77.23
	39	2441	16.14	16.00	77.23
	76	2480	16.19	17.00	77.23
BR / EDR 2Mbps	0	2402	11.87	13.50	30.79
	39	2441	12.59	14.50	30.79
	76	2480	11.77	13.50	30.79
BR / EDR 3Mbps	0	2402	11.85	13.50	30.79
	39	2441	12.97	14.50	30.79
	76	2480	11.95	13.50	30.79
LE 102Mbps	0	2402	11.42	13.00	62.95
	39	2440	12.49	14.00	62.95
	76	2480	11.78	13.50	62.95
LE 50Mbps	0	2402	11.59	13.00	56.98
	39	2440	12.50	14.00	56.98
	76	2480	11.82	13.50	56.98
LE 1Mbps	0	2402	11.51	13.50	62.04
	39	2440	12.52	14.00	62.04
	76	2480	11.85	13.50	62.04
LE 2Mbps	0	2402	11.55	13.00	32.87
	39	2440	12.58	14.00	32.87
	76	2480	11.87	13.50	32.87
BTLE 0 GFSK 1Mbps	2	2404	15.02	16.00	100.00
	38	2440	15.48	17.00	100.00
	76	2478	15.45	17.00	100.00
BTLE 0 GFSK 2Mbps	2	2404	15.05	16.00	100.00
	38	2440	15.49	17.00	100.00
	76	2478	15.41	17.00	100.00
BTLE 0 ASK 1Mbps	2	2404	16.00	17.80	100.00
	38	2440	16.71	18.00	100.00
	76	2478	15.43	17.00	100.00

[illegible]

<30GHz WLAN_Ant #4+ Head Standalone>									
Mode	Channel	Frequency (MHz)	Ant #4(dB)		Ant #5(dB)		Ant #6		Only Cmk %
			Average Power / Limit	Time-Up / Limit	Average Power / Limit	Time-Up / Limit	Average Power / Limit	Time-Up / Limit	
802.11a-WiGig	52	52600	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	56	53760	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	60	54920	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	64	56080	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	68	57240	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
802.11a+HT20 MCS0	56	53760	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	60	54920	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	64	56080	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	68	57240	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	72	58400	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
802.11a+HT40 MCS0	54	52710	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	62	53710	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	70	54710	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	78	55710	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	86	56710	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
802.11a+HT20 MCS0	56	53760	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	60	54920	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	64	56080	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	68	57240	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	72	58400	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
802.11a+HT40 MCS0	54	52710	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	62	53710	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	70	54710	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	78	55710	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	86	56710	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
802.11a+HT80 MCS0	52	52600	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	60	54920	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	68	57240	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	76	59560	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	84	61880	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
802.11a+HE40 MCS0	54	52710	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	62	53710	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	70	54710	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	78	55710	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	86	56710	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
802.11a+HE80 MCS0	52	52600	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	60	54920	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	68	57240	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	76	59560	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	84	61880	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
802.11a+HT20 MCS0	56	53760	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	60	54920	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	64	56080	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	68	57240	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	72	58400	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required

<5.5GHz WLAN_Ant 5+4_Head Standalone>

[illegible]

<5.8GHz WLAN_Ant 5+4_Head Standalone>

[illegible]

<6GHz WLAN_Ant 6+4_Head Standalone>

Mode	Channel	Frequency (MHz)	Ant 6+60		Ant 6+60		Ant 6+4		Duty Cycle %
			Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	
802.11a-6Mbps	1	5955	Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required
	67	6135	Not Required	6.50	Not Required	6.50	Not Required	9.50	Not Required
	113	6515	Not Required	6.00	Not Required	6.50	Not Required	9.50	Not Required
	173	6815	Not Required	6.50	Not Required	6.50	Not Required	9.50	Not Required
	233	7115	Not Required	7.50	Not Required	7.50	Not Required	10.50	Not Required
	3	5955	Not Required	7.50	Not Required	7.50	Not Required	10.50	Not Required
802.11a+HE20 MCS0	67	6135	Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required
	113	6515	Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required
	173	6815	Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required
	233	7115	Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required
	3	5955	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
	99	6435	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
802.11a+HE40 MCS0	107	6465	Not Required	10.00	Not Required	10.00	Not Required	13.00	Not Required
	171	6805	Not Required	9.50	Not Required	9.50	Not Required	12.50	Not Required
	227	7055	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required
	3	5955	Not Required	13.50	Not Required	13.50	Not Required	16.50	Not Required
	119	6545	Not Required	12.50	Not Required	13.00	Not Required	16.00	Not Required
	207	6755	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a+HE80 MCS0	235	7025	Not Required	13.00	Not Required	12.50	Not Required	16.00	Not Required
	15	6025	Not Required	16.00	Not Required	16.00	Not Required	19.00	Not Required
	47	6185	Not Required	15.50	Not Required	15.00	Not Required	18.50	Not Required
	111	6505	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
	143	6665	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
	207	6985	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
802.11a-4x120 MCS0	11	5945	Not Required	7.50	Not Required	7.50	Not Required	10.50	Not Required
	67	6125	Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required
	113	6515	Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required
	173	6815	Not Required	7.00	Not Required	6.50	Not Required	10.00	Not Required
	233	7115	Not Required	7.50	Not Required	7.50	Not Required	10.50	Not Required
	3	5955	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
802.11a-4x180 MCS0	99	6245	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
	167	6485	Not Required	10.00	Not Required	10.00	Not Required	13.00	Not Required
	181	6495	Not Required	9.50	Not Required	9.50	Not Required	12.50	Not Required
	227	7085	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required
	7	5985	Not Required	13.50	Not Required	13.50	Not Required	16.50	Not Required
	71	6365	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-4x180 MCS0	119	6545	Not Required	12.50	Not Required	13.00	Not Required	16.00	Not Required
	187	6785	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	215	7025	Not Required	13.50	Not Required	13.00	Not Required	16.00	Not Required
	15	6025	Not Required	16.00	Not Required	16.00	Not Required	19.00	Not Required
	47	6185	Not Required	15.50	Not Required	15.00	Not Required	18.50	Not Required
	111	6505	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
802.11a-4x1160 MCS0	207	6985	Not Required	15.50	Not Required	15.00	Not Required	18.50	Not Required
	143	6665	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
	31	6105	14.34	16.50	13.68	15.50	17.03	18.50	100.00
	65	6295	13.99	15.50	15.35	15.50	16.98	16.50	100.00
	99	6425	14.87	16.50	14.49	16.50	17.75	19.50	100.00
	127	6565	15.41	15.00	15.25	15.50	16.98	16.00	100.00
802.11a-4x1200 MCS0	159	6745	17.06	16.00	15.95	17.50	19.54	21.00	100.00
	191	6925	16.07	17.50	15.48	17.00	18.95	20.50	100.00



<2.4GHz WLAN_Ant 6+3_Head Standalone>									
Mode	Channel	Frequency (MHz)	Ant 61/2/3/4		Ant 6+3/3/1		Ant 6/2		Duty Cycle %
			Average Power (mW)	Time Up Limit	Average Power (mW)	Time Up Limit	Average Power (mW)	Time Up Limit	
802.11b-1Mbps	1	2412	17.21	18.50	17.38	18.50	20.21	21.50	97.03
	6	2437	16.76	18.50	16.98	18.50	18.87	21.50	97.03
	11	2462	17.08	18.50	16.91	18.50	20.01	21.50	97.03
802.11g-18Mbps	1	2412	Not Required	18.50	Not Required	18.50	Not Required	21.50	Not Required
	6	2437	Not Required	18.50	Not Required	18.50	Not Required	21.50	Not Required
	11	2462	Not Required	18.50	Not Required	18.50	Not Required	21.50	Not Required
802.11n-HT20 MCS0	1	2412	Not Required	18.50	Not Required	18.50	Not Required	21.50	Not Required
	6	2437	Not Required	18.50	Not Required	18.50	Not Required	21.50	Not Required
	11	2462	Not Required	18.50	Not Required	18.50	Not Required	21.50	Not Required
802.11n-HT40 MCS0	3	2422	17.03	18.50	16.85	18.50	18.95	21.50	100.00
	6	2437	17.08	18.50	16.98	18.50	20.03	21.50	100.00
	9	2452	17.28	18.50	16.68	18.50	19.94	21.50	100.00
802.11n-HE20 MCS0	1	2412	Not Required	18.50	Not Required	18.50	Not Required	21.50	Not Required
	6	2437	Not Required	18.50	Not Required	18.50	Not Required	21.50	Not Required
	11	2462	Not Required	18.50	Not Required	18.50	Not Required	21.50	Not Required
802.11n-HE40 MCS0	3	2422	Not Required	18.50	Not Required	18.50	Not Required	21.50	Not Required
	6	2437	Not Required	18.50	Not Required	18.50	Not Required	21.50	Not Required
	9	2452	Not Required	18.50	Not Required	18.50	Not Required	21.50	Not Required
802.11n-DHT20 MCS0	1	2412	Not Required	18.50	Not Required	18.50	Not Required	21.50	Not Required
	6	2437	Not Required	18.50	Not Required	18.50	Not Required	21.50	Not Required
	11	2462	Not Required	18.50	Not Required	18.50	Not Required	21.50	Not Required
802.11n-DHT40 MCS0	3	2422	Not Required	18.50	Not Required	18.50	Not Required	21.50	Not Required
	6	2437	Not Required	18.50	Not Required	18.50	Not Required	21.50	Not Required
	9	2452	Not Required	18.50	Not Required	18.50	Not Required	21.50	Not Required

<5.2GHz WLAN_Ant 5+4_Body-worn Standalone>

Mode	Channel	Frequency (MHz)	Ant 5+4(H)		Ant 5+4(V)		Ant 5+4		Duty Cycle %
			Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	
R02.11a-Mbps	36	5180	17.07	18.50	16.58	18.50	19.85	21.50	98.83
	40	5200	17.15	18.50	16.37	18.50	20.04	21.50	98.83
	44	5220	17.28	18.50	16.96	18.50	20.19	21.50	98.83
R02.11a-VHT20 MCS0	48	5240	17.27	18.50	16.98	18.50	20.14	21.50	98.83
	36	5180	17.76	19.00	17.18	19.00	20.49	22.00	100.00
	40	5200	17.44	19.00	16.97	19.00	20.22	22.00	100.00
R02.11a-VHT40 MCS0	44	5220	17.51	19.00	17.12	19.00	20.33	22.00	100.00
	48	5240	17.52	19.00	17.15	19.00	20.35	22.00	100.00
	36	5180	17.07	18.50	16.51	18.50	19.81	21.50	100.00
R02.11a-RT40 MCS0	40	5200	19.38	21.00	19.71	21.00	22.58	24.00	100.00
	36	5180	17.84	19.50	17.36	19.50	20.57	22.50	100.00
	40	5200	17.56	19.00	17.34	19.00	20.49	22.00	100.00
R02.11a-VHT20 MCS0	44	5220	17.58	19.00	17.25	19.00	20.45	22.00	100.00
	48	5240	17.56	19.00	17.23	19.00	20.42	22.00	100.00
	36	5180	17.04	18.50	16.58	18.50	19.88	21.50	100.00
R02.11a-VHT40 MCS0	40	5200	19.43	21.00	19.76	21.00	22.60	24.00	100.00
	42	5210	17.73	19.50	17.27	19.50	20.55	22.50	100.00
	36	5180	17.82	19.50	17.34	19.50	20.65	22.50	100.00
R02.11a-HE20 MCS0	42	5210	17.56	19.00	17.12	19.00	20.48	22.00	100.00
	44	5220	17.88	19.00	17.26	19.00	20.46	22.00	100.00
	48	5240	17.66	19.00	17.31	19.00	20.59	22.00	100.00
R02.11a-HE40 MCS0	36	5180	17.20	18.50	16.65	18.50	19.94	21.50	100.00
	40	5200	19.46	21.00	19.78	21.00	22.62	24.00	100.00
	42	5210	17.85	19.50	17.33	19.50	20.61	22.50	100.00
R02.11a-HE80 MCS0	36	5180	17.88	19.50	17.41	19.50	20.71	22.50	100.00
	40	5200	17.84	19.50	17.19	19.50	20.43	22.00	100.00
	44	5220	17.74	19.50	17.36	19.50	20.56	22.50	100.00
R02.11a-EXT20 MCS0	48	5240	17.73	19.50	17.38	19.50	20.57	22.50	100.00
	36	5180	17.28	18.50	16.71	18.50	20.01	21.50	100.00
	40	5200	19.53	21.00	19.81	21.00	22.68	24.00	100.00
R02.11a-EXT40 MCS0	42	5210	17.91	19.00	17.41	19.00	20.68	22.50	100.00

<5.3GHz WLAN_Ant 5+4_Body-worn Standalone>

Mode	Channel	Frequency (MHz)	Ant 5+4(H)		Ant 5+4(V)		Ant 5+4		Duty Cycle %
			Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	
R02.11a-Mbps	52	5290	17.13	18.50	16.92	18.50	20.04	21.50	98.83
	56	5300	17.24	18.50	16.87	18.50	20.07	21.50	98.83
	60	5310	17.17	18.50	16.54	18.50	19.88	21.50	98.83
R02.11a-VHT20 MCS0	64	5320	17.60	19.00	16.91	18.50	20.28	22.00	98.83
	56	5300	17.53	19.00	17.07	18.50	20.21	22.00	100.00
	58	5290	17.43	19.00	16.84	18.50	20.20	22.00	100.00
R02.11a-VHT40 MCS0	60	5310	17.42	19.00	16.83	18.50	20.15	22.00	100.00
	64	5320	17.87	19.50	17.31	19.00	20.81	22.50	100.00
	54	5290	16.37	21.00	16.51	21.00	22.45	24.00	100.00
R02.11a-RT40 MCS0	62	5310	17.13	18.50	16.48	18.50	19.83	21.50	100.00
	52	5290	17.40	19.00	17.15	19.00	20.20	22.00	100.00
	56	5300	17.50	19.00	17.62	19.00	20.28	22.00	100.00
R02.11a-VHT20 MCS0	60	5310	17.49	19.00	16.89	18.50	20.21	22.00	100.00
	64	5320	17.95	19.50	17.37	19.00	20.68	22.50	100.00
	54	5290	16.41	21.00	16.55	21.00	22.46	24.00	100.00
R02.11a-VHT40 MCS0	62	5310	17.16	18.50	16.54	18.50	19.86	21.50	100.00
	58	5290	16.12	19.50	17.43	19.50	20.80	22.50	100.00
	50	5250	16.82	18.50	16.42	18.50	19.83	21.50	100.00
R02.11a-HE160 MCS0	52	5290	17.46	19.00	17.23	19.00	20.37	22.00	100.00
	56	5300	17.56	19.00	17.08	19.00	20.34	22.00	100.00
	60	5310	17.35	19.00	16.96	18.50	20.28	22.00	100.00
R02.11a-HE20 MCS0	64	5320	18.02	19.50	17.45	19.00	20.95	22.50	100.00
	54	5290	16.45	21.00	16.62	21.00	22.50	24.00	100.00
	62	5310	17.25	18.50	16.60	18.50	19.95	21.50	100.00
R02.11a-HE40 MCS0	58	5290	18.19	19.50	17.49	19.50	20.86	22.50	100.00
	50	5250	16.88	18.50	16.48	18.50	19.89	21.50	100.00
	52	5260	17.55	19.00	17.29	19.00	20.43	22.00	100.00
R02.11a-EXT20 MCS0	56	5300	17.82	19.00	17.14	19.00	20.40	22.00	100.00
	60	5310	17.62	19.00	17.03	19.00	20.38	22.00	100.00
	64	5320	18.00	19.50	17.52	19.50	20.92	22.50	100.00
R02.11a-EXT40 MCS0	54	5290	16.51	21.00	16.66	21.00	22.60	24.00	100.00
	62	5310	17.32	18.50	16.66	18.50	20.01	21.50	100.00
	58	5290	18.20	19.50	17.56	19.50	20.93	22.50	100.00
R02.11a-EXT160 MCS0	50	5250	16.95	18.50	16.55	18.50	19.78	21.50	100.00

6GHz WLAN_Ant_54_4_Bodyworn Standonale									
Model	Channel	Frequency (MHz)	Ant 54(4)S			Ant 54(4)A			Ant 54(4)
			Power/Power Spectral Density (dBm)	Turn-Up Level	Turn-Up Level	Power/Power Spectral Density (dBm)	Turn-Up Level	Turn-Up Level	
				Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
802.11a-B80a	1	5805	Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required
	57	6035	Not Required	8.50	Not Required	8.50	Not Required	9.50	Not Required
	113	6065	Not Required	8.50	Not Required	8.50	Not Required	9.50	Not Required
	119	6015	Not Required	8.50	Not Required	8.50	Not Required	9.50	Not Required
	233	7115	Not Required	7.50	Not Required	7.50	Not Required	10.50	Not Required
	1	5805	Not Required	7.50	Not Required	7.50	Not Required	10.50	Not Required
802.11a+HE20 MCS0	57	6035	Not Required	7.50	Not Required	7.50	Not Required	10.50	Not Required
	113	6015	Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required
	173	6015	Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required
	233	7115	Not Required	7.50	Not Required	7.50	Not Required	10.50	Not Required
	57	6035	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
	5	6240	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
802.11a+HE40 MCS0	107	6045	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
	173	6045	Not Required	8.50	Not Required	8.50	Not Required	11.50	Not Required
	227	7090	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required
	7	5805	Not Required	13.50	Not Required	13.50	Not Required	16.50	Not Required
	113	6065	Not Required	13.50	Not Required	13.50	Not Required	16.50	Not Required
	167	6160	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a+HE80 MCS0	215	7025	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	16	6160	Not Required	14.50	Not Required	14.50	Not Required	17.50	Not Required
	47	6160	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
	111	6065	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
	143	6065	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
	207	7090	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
802.11a+HE160 MCS0	1	5805	Not Required	7.50	Not Required	7.50	Not Required	10.50	Not Required
	57	6035	Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required
	113	6015	Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required
	173	6015	Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required
	233	7115	Not Required	-3.50	Not Required	-3.50	Not Required	-0.50	Not Required
	8	5805	Not Required	10.50	Not Required	10.50	Not Required	13.50	Not Required
802.11a-DHT20 MCS0	86	6160	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	107	6040	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	173	6065	Not Required	9.50	Not Required	9.50	Not Required	12.50	Not Required
	227	7090	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required
	7	5805	Not Required	13.50	Not Required	13.50	Not Required	16.50	Not Required
	11	6200	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-DHT40 MCS0	118	6045	Not Required	13.50	Not Required	13.50	Not Required	16.50	Not Required
	173	6065	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	215	7025	Not Required	12.50	Not Required	12.50	Not Required	15.50	Not Required
	15	6025	Not Required	16.00	Not Required	16.00	Not Required	19.00	Not Required
	47	6160	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
	143	6065	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
802.11a-DHT80 MCS0	207	6085	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
	51	5835	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	63	6205	Not Required	16.00	Not Required	16.00	Not Required	19.00	Not Required
	95	6425	Not Required	15.86	Not Required	15.86	Not Required	18.86	Not Required
	127	6505	Not Required	15.23	Not Required	15.24	Not Required	18.20	Not Required
	159	6585	Not Required	14.60	Not Required	14.54	Not Required	17.50	Not Required
802.11a-DHT160 MCS0	193	6665	Not Required	15.27	Not Required	15.48	Not Required	18.20	Not Required

<2.4GHz WLAN_Ant 6+3, Body-worn Standalone>

Mode	Channel	Frequency (MHz)	Ant 6+3(0)		Ant 6+3(R)		Ant 6+3		Data Crate-%
			Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	
802.11b 1Mbps	1	2412	20.21	21.00	20.26	21.00	22.24	24.00	97.03
	6	2437	19.84	21.00	20.01	21.00	22.04	24.00	97.03
	11	2462	20.09	21.00	19.89	21.00	23.00	24.00	97.03
	1	2412	19.17	20.00	18.89	20.00	22.04	23.00	98.63
802.11g 6Mbps	6	2437	19.98	21.00	20.13	21.00	23.06	24.00	98.63
	11	2462	19.21	19.00	17.04	19.00	21.00	22.00	98.63
	1	2412	17.96	19.00	17.62	19.00	20.60	22.00	100.00
	6	2437	19.87	21.00	19.91	21.00	22.90	24.00	100.00
802.11n HT20 MCS0	11	2460	17.08	19.00	17.35	19.00	20.53	22.00	100.00
	3	2420	18.99	20.00	18.78	20.00	21.90	23.00	100.00
802.11n HT40 MCS0	6	2437	19.45	21.00	19.38	21.00	22.43	24.00	100.00
	9	2452	17.26	19.00	16.89	19.00	19.94	21.00	100.00
	1	2412	18.05	19.00	17.09	19.00	19.87	20.00	100.00
	6	2437	19.92	21.00	19.96	21.00	22.95	24.00	100.00
802.11n HE20 MCS0	11	2460	17.75	19.00	17.62	19.00	20.60	22.00	100.00
	3	2420	19.09	20.00	18.84	20.00	21.90	23.00	100.00
802.11n HE40 MCS0	6	2437	19.51	21.00	19.45	21.00	22.48	24.00	100.00
	9	2452	17.28	19.00	16.71	19.00	19.91	21.00	100.00
	1	2412	18.11	19.00	17.78	19.00	20.94	22.00	100.00
	6	2437	19.98	21.00	20.05	21.00	23.02	24.00	100.00
802.11n EHT20 MCS0	11	2460	17.82	19.00	17.48	19.00	20.66	22.00	100.00
	3	2420	19.14	20.00	18.82	20.00	22.04	23.00	100.00
802.11n EHT40 MCS0	6	2437	19.58	21.00	19.51	21.00	22.56	24.00	100.00
	9	2452	17.34	19.00	16.79	19.00	20.08	21.00	100.00

<5.2GHz WLAN_Ant 5+4_Hotspot>

[illegible]

<5.8GHz WLAN_Ant 5+4_Hotspot>

Mode	Channel	Frequency (MHz)	Ant-B (GHz)		Ant-B (GHz)		Ant-B (GHz)		Only Carriers
			Average Power	Time-Up Loss	Average Power	Time-Up Loss	Average Power	Time-Up Loss	
802.11a-MHSS	149	5745	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	157	5795	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	158	5795	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	159	5745	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
802.11n-70MHz MCS0	157	5795	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	165	5825	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	151	5735	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	159	5795	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
802.11n-40MHz MCS0	149	5745	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	157	5795	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	158	5795	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	159	5745	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
802.11n-80MHz MCS0	149	5745	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	156	5820	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	151	5735	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	158	5795	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
802.11n-VHT40 MCS0	151	5735	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	158	5795	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
802.11n-VHT80 MCS0	156	5820	15.85	17.00	15.85	17.00	15.85	20.00	100.00
	149	5745	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
802.11n-80MHz MCS0	151	5735	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	156	5820	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	158	5795	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
802.11n-40MHz MCS0	151	5735	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	159	5795	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
802.11n-80MHz MCS0	151	5735	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	157	5795	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
802.11n-80MHz MCS0	149	5745	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	157	5795	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
802.11n-80MHz MCS0	156	5820	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	151	5735	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
802.11n-VHT40 MCS0	151	5735	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	158	5795	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
802.11n-VHT80 MCS0	156	5820	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
	151	5735	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required

<2.4GHz WLAN_Ant 6+3_Hotspot>

Mode	Channel	Frequency (MHz)	Ant 6 (70%)		Ant 6+3 (3)		Ant 6+2		Duty Cycle %
			Average Power (mW)	Time Up Limit	Average Power (mW)	Time Up Limit	Average Power (mW)	Time Up Limit	
802.11b-1Mbps	1	2412	17.75	19.00	17.80	19.00	20.79	22.00	97.03
	6	2437	17.48	19.00	17.51	19.00	20.51	22.00	97.03
	11	2462	17.56	19.00	17.39	19.00	20.49	22.00	97.03
802.11g-1Mbps	1	2412	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required
	6	2437	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required
	11	2462	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required
802.11n-HT20 MCS0	1	2412	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required
	6	2437	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required
	11	2462	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required
802.11n-HT40 MCS0	3	2422	17.53	19.00	17.48	19.00	20.52	22.00	100.00
	6	2437	17.48	19.00	17.42	19.00	20.45	22.00	100.00
	9	2452	17.28	19.00	18.68	19.50	19.94	21.00	100.00
802.11n-HE20 MCS0	1	2412	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required
	6	2437	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required
	11	2462	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required
802.11n-HE40 MCS0	3	2422	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required
	6	2437	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required
	9	2452	Not Required	19.00	Not Required	19.50	Not Required	21.00	Not Required
802.11n-DHT20 MCS0	1	2412	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required
	6	2437	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required
	11	2462	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required
802.11n-DHT40 MCS0	3	2422	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required
	6	2437	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required
	9	2452	Not Required	19.00	Not Required	19.50	Not Required	21.00	Not Required

<8.2GHz WLAN_Ant 5+4_Extremity Standalone>

Mode	Channel	Frequency (MHz)	Ant 5+4(E)		Ant 5+4(W)		Ant 5+4		Duty Cycle %
			Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	
802.11a Mbps	36	5180	17.07	18.50	16.58	18.50	19.85	21.50	98.83
	40	5200	17.15	18.50	16.57	18.50	20.04	21.50	98.83
	44	5220	17.28	18.50	16.96	18.50	20.19	21.50	98.83
802.11a-VHT20 MCS0	48	5240	17.27	18.50	16.98	18.50	20.14	21.50	98.83
	36	5180	17.76	19.00	17.18	19.00	20.49	22.00	100.00
	40	5200	17.44	19.00	16.97	19.00	20.22	22.00	100.00
802.11a-VHT40 MCS0	44	5220	17.51	19.00	17.12	19.00	20.33	22.00	100.00
	48	5240	17.52	19.00	17.15	19.00	20.35	22.00	100.00
	36	5180	17.07	18.50	16.51	18.50	19.81	21.50	100.00
802.11a-VHT80 MCS0	40	5200	19.26	21.00	19.71	21.00	22.58	24.00	100.00
	36	5180	17.84	19.50	17.26	19.50	20.57	22.50	100.00
	40	5200	17.56	19.00	17.34	19.00	20.29	22.00	100.00
802.11ac-VHT20 MCS0	44	5200	17.58	19.00	17.25	19.00	20.45	22.00	100.00
	48	5240	17.56	19.00	17.23	19.00	20.42	22.00	100.00
	36	5180	17.04	18.50	16.56	18.50	19.85	21.50	100.00
802.11ac-VHT40 MCS0	40	5200	19.43	21.00	19.76	21.00	22.60	24.00	100.00
	42	5210	17.73	19.50	17.27	19.50	20.55	22.50	100.00
	36	5180	17.82	19.50	17.34	19.50	20.65	22.50	100.00
802.11ac-HE20 MCS0	42	5210	17.56	19.00	17.12	19.00	20.28	22.00	100.00
	44	5220	17.88	19.00	17.26	19.00	20.46	22.00	100.00
	48	5240	17.66	19.00	17.31	19.00	20.59	22.00	100.00
802.11ac-HE40 MCS0	36	5180	17.20	18.50	16.65	18.50	19.94	21.50	100.00
	40	5200	19.46	21.00	19.78	21.00	22.62	24.00	100.00
	42	5210	17.85	19.50	17.33	19.50	20.61	22.50	100.00
802.11ac-HE80 MCS0	36	5180	17.68	19.50	17.41	19.50	20.71	22.50	100.00
	40	5200	17.84	19.50	17.19	19.50	20.43	22.50	100.00
	44	5200	17.74	19.50	17.36	19.50	20.56	22.50	100.00
802.11ac-EXT20 MCS0	48	5240	17.73	19.50	17.38	19.50	20.57	22.50	100.00
	36	5180	17.28	19.50	16.71	19.50	20.01	21.50	100.00
	40	5200	19.53	21.00	19.81	21.00	22.63	24.00	100.00
802.11ac-EXT80 MCS0	42	5210	17.91	19.00	17.41	19.00	20.68	22.00	100.00

<8.3GHz WLAN_Ant 5+4_Extremity Standalone>

Mode	Channel	Frequency (MHz)	Ant 5+4(E)		Ant 5+4(W)		Ant 5+4		Duty Cycle %
			Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	
802.11a Mbps	52	5290	17.13	18.50	16.92	18.50	20.04	21.50	98.83
	56	5360	17.24	18.50	16.87	18.50	20.07	21.50	98.83
	60	5330	17.17	18.50	16.54	18.50	19.88	21.50	98.83
802.11a-VHT20 MCS0	64	5320	17.60	19.00	16.91	18.50	20.28	22.00	98.83
	56	5360	17.53	19.00	17.07	18.50	20.21	22.00	100.00
	58	5350	17.43	19.00	16.94	18.50	20.20	22.00	100.00
802.11a-VHT40 MCS0	60	5330	17.42	19.00	16.83	18.50	20.15	22.00	100.00
	64	5350	17.87	19.50	17.31	19.00	20.81	22.50	100.00
	54	5340	16.37	21.00	16.51	21.00	22.45	24.00	100.00
802.11ac-VHT20 MCS0	62	5310	17.13	18.50	16.48	18.50	19.83	21.50	100.00
	52	5290	17.40	19.00	17.15	19.00	20.20	22.00	100.00
	56	5300	17.50	19.00	17.62	19.00	20.26	22.00	100.00
802.11ac-VHT40 MCS0	60	5330	17.49	19.00	16.89	18.50	20.21	22.00	100.00
	64	5320	17.95	19.50	17.37	19.00	20.68	22.50	100.00
	54	5370	16.41	21.00	16.55	21.00	22.46	24.00	100.00
802.11ac-VHT80 MCS0	62	5330	17.16	18.50	16.54	18.50	19.86	21.50	100.00
	58	5300	16.12	19.50	17.43	19.50	20.80	22.50	100.00
	50	5250	16.82	18.50	16.42	18.50	19.83	21.50	100.00
802.11ac-HE20 MCS0	52	5290	17.46	19.00	17.23	19.00	20.37	22.00	100.00
	56	5300	17.56	19.00	17.08	19.00	20.34	22.00	100.00
	60	5330	17.35	19.00	16.96	18.50	20.28	22.00	100.00
802.11ac-HE40 MCS0	64	5350	18.02	19.50	17.45	19.00	20.95	22.50	100.00
	54	5340	16.45	21.00	16.62	21.00	22.50	24.00	100.00
	62	5310	17.25	18.50	16.60	18.50	19.95	21.50	100.00
802.11ac-HE80 MCS0	58	5290	18.19	19.50	17.49	19.50	20.86	22.50	100.00
	50	5250	16.88	18.50	16.48	18.50	19.89	21.50	100.00
	52	5260	17.55	19.00	17.29	19.00	20.43	22.00	100.00
802.11ac-EXT20 MCS0	56	5280	17.82	19.00	17.14	19.00	20.40	22.00	100.00
	60	5300	17.62	19.00	17.03	19.00	20.35	22.00	100.00
	64	5340	18.00	19.50	17.52	19.50	20.92	22.50	100.00
802.11ac-EXT40 MCS0	54	5270	16.51	21.00	16.66	21.00	22.60	24.00	100.00
	62	5310	17.32	18.50	16.66	18.50	20.01	21.50	100.00
	58	5290	18.20	19.50	17.56	19.50	20.93	22.50	100.00
802.11ac-EXT80 MCS0	50	5250	16.95	19.50	16.55	18.50	19.79	21.50	100.00

<5.5GHz WLAN_Ant 5+4_Extremity Standalone>

ID	Site	Channel	Frequency (MHz)	Ant-A (MHz)		Ant-B (MHz)		Ant-C (MHz)		Only Core 1
				Average Power Level	Time Up / Down	Average Power Level	Time Up / Down	Average Power Level	Time Up / Down	
B02.1-a-MK3a		100	5650	Not Required	19:00	Not Required	18:50	Not Required	22:00	Not Required
		110	5550	Not Required	19:00	Not Required	18:50	Not Required	22:00	Not Required
		124	5650	Not Required	19:00	Not Required	18:50	Not Required	22:00	Not Required
		132	5650	Not Required	19:00	Not Required	18:50	Not Required	22:00	Not Required
		140	5650	Not Required	19:00	Not Required	18:50	Not Required	22:00	Not Required
		144	5720	Not Required	19:00	Not Required	18:50	Not Required	22:00	Not Required
B02.1-a-H20-MC30		100	5650	Not Required	19:00	Not Required	18:50	Not Required	22:00	Not Required
		110	5550	Not Required	19:00	Not Required	18:50	Not Required	22:00	Not Required
		124	5620	Not Required	19:50	Not Required	19:50	Not Required	22:00	Not Required
		132	5650	Not Required	19:50	Not Required	19:50	Not Required	22:00	Not Required
		140	5650	Not Required	19:50	Not Required	19:50	Not Required	22:00	Not Required
		144	5720	Not Required	19:50	Not Required	19:50	Not Required	22:00	Not Required
B02.1-a-H54-MC30		100	5610	18.03	19:50	16.90	19:50	20.51	24:50	100:00
		110	5550	10.58	21:00	19.21	20:50	21.41	24:00	100:00
		124	5610	18.47	19:45	18.41	20:50	20.48	24:00	100:00
		132	5610	18.44	20:50	19.77	20:50	22.02	25:00	100:00
		140	5710	18.18	21:00	10.52	21:00	22.38	24:00	100:00
		142	5550	Not Required	19:50	Not Required	19:50	Not Required	22:00	Not Required
B02.1-a-VH70-MC30		110	5550	Not Required	19:50	Not Required	19:50	Not Required	22:00	Not Required
		124	5620	Not Required	19:50	Not Required	19:50	Not Required	22:00	Not Required
		132	5650	Not Required	19:50	Not Required	19:50	Not Required	22:00	Not Required
		140	5650	Not Required	19:50	Not Required	19:50	Not Required	22:00	Not Required
		144	5720	Not Required	19:00	Not Required	18:50	Not Required	22:00	Not Required
		146	5610	Not Required	19:50	Not Required	18:50	Not Required	22:00	Not Required
B02.1-a-VH74-MC30		100	5610	Not Required	19:50	Not Required	18:50	Not Required	22:00	Not Required
		110	5550	Not Required	21:00	Not Required	21:00	Not Required	24:00	Not Required
		124	5610	Not Required	21:00	Not Required	21:00	Not Required	24:00	Not Required
		134	5610	Not Required	20:50	Not Required	20:50	Not Required	23:00	Not Required
		142	5710	Not Required	21:00	Not Required	21:00	Not Required	24:00	Not Required
		146	5530	18.89	18:00	18.05	18:00	19.08	17:00	100:00
B02.1-a-VH76-MC30		100	5610	19.18	20:50	19.75	20:50	21.96	23:00	100:00
		110	5550	19.22	21:00	19.53	21:00	22.30	24:00	100:00
		114	5610	Not Required	19:00	Not Required	18:50	Not Required	22:00	Not Required
		120	5550	Not Required	19:50	Not Required	19:50	Not Required	22:00	Not Required
		116	5540	Not Required	19:50	Not Required	19:50	Not Required	22:00	Not Required
		124	5620	Not Required	19:50	Not Required	19:50	Not Required	22:00	Not Required
B02.1-a-H20-MC30		132	5650	Not Required	19:50	Not Required	19:50	Not Required	22:00	Not Required
		140	5650	Not Required	19:50	Not Required	19:50	Not Required	22:00	Not Required
B02.1-a-H40-MC30		100	5720	Not Required	19:00	Not Required	18:50	Not Required	22:00	Not Required
		110	5550	Not Required	19:50	Not Required	18:50	Not Required	22:00	Not Required
		120	5550	Not Required	21:00	Not Required	21:00	Not Required	24:00	Not Required
		134	5610	Not Required	21:00	Not Required	21:00	Not Required	24:00	Not Required
		142	5710	Not Required	21:00	Not Required	21:00	Not Required	24:00	Not Required
		146	5530	Not Required	18:00	Not Required	18:00	Not Required	17:00	Not Required
B02.1-a-H50-MC30		100	5610	19.08	20:50	19.08	20:50	20.48	24:00	Not Required
		110	5550	Not Required	21:00	Not Required	21:00	Not Required	24:00	Not Required
		120	5550	Not Required	21:00	Not Required	21:00	Not Required	24:00	Not Required
		134	5610	Not Required	21:00	Not Required	21:00	Not Required	24:00	Not Required
		140	5610	Not Required	19:00	Not Required	18:50	Not Required	22:00	Not Required
		150	5550	Not Required	19:50	Not Required	19:50	Not Required	22:00	Not Required
B02.1-a-H70-MC30		100	5610	Not Required	19:00	Not Required	18:50	Not Required	22:00	Not Required
		110	5550	Not Required	19:50	Not Required	19:50	Not Required	22:00	Not Required
		120	5550	Not Required	21:00	Not Required	21:00	Not Required	24:00	Not Required
		130	5610	Not Required	21:00	Not Required	21:00	Not Required	24:00	Not Required
		134	5610	Not Required	21:00	Not Required	21:00	Not Required	24:00	Not Required
		142	5710	Not Required	21:00	Not Required	21:00	Not Required	24:00	Not Required
B02.1-a-H74-MC30		100	5530	Not Required	18:00	Not Required	18:00	Not Required	21:00	Not Required
		102	5610	Not Required	21:00	Not Required	21:00	Not Required	24:00	Not Required
		110	5550	Not Required	21:00	Not Required	21:00	Not Required	24:00	Not Required
		114	5610	Not Required	21:00	Not Required	21:00	Not Required	24:00	Not Required
		116	5530	Not Required	18:00	Not Required	18:00	Not Required	21:00	Not Required
		118	5530	Not Required	21:00	Not Required	21:00	Not Required	24:00	Not Required
B02.1-a-H76-MC30		114	5610	Not Required	18:00	Not Required	18:00	Not Required	21:00	Not Required
		116	5610	Not Required	18:00	Not Required	18:00	Not Required	21:00	Not Required

<5.8GHz WLAN_Ant 5+4_Extremity Standalone>

Mode	Channel	Ant-A (Hz)			Ant-B (Hz)			Ant-C (Hz)		
		Frequency (MHz)	Average Power (dBm)	Time-Up (hrs)	Frequency (MHz)	Average Power (dBm)	Time-Up (hrs)	Frequency (MHz)	Average Power (dBm)	Time-Up (hrs)
802.11a-MHSS	144	5745	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	146	5796	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	148	5847	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	150	5898	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	152	5949	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
802.11a-H2H-MCS0	144	5745	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	146	5796	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	148	5847	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	150	5898	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	152	5949	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
802.11a-H2H-MCS0	154	6000	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	156	6051	18.88	25.50	18.88	25.50	21.78	25.50	100.00	25.50
	158	6102	18.96	25.50	18.96	25.50	21.77	25.50	100.00	25.50
	160	6153	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	162	6204	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
802.11a-VHT20-MCS0	164	6255	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	166	6306	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	168	6357	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	170	6408	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	172	6459	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
802.11a-VHT20-MCS0	174	6510	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	176	6561	18.88	25.50	18.78	25.50	21.83	25.50	100.00	25.50
	178	6612	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	180	6663	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	182	6714	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
802.11a-H2H-MCS0	184	6765	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	186	6816	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	188	6867	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	190	6918	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	192	6969	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
802.11a-H2H-MCS0	194	7020	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	196	7071	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	198	7122	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	200	7173	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	202	7224	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
802.11a-BVHT20-MCS0	204	7275	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	206	7326	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50
	208	7377	Not Required	25.50	Not Required	25.50	Not Required	25.50	Not Required	25.50

<6GHz WLAN_Ant 6+4_Extremly Standalone>									
Mode	Channel	Frequency (MHz)	Ant 6 (MHz)		Ant 6 (MHz)		Ant 6+4		Only Cycle %
			Average Power (mW)	Time-Up Limit	Average Power (mW)	Time-Up Limit	Average Power (mW)	Time-Up Limit	
802.11a-MRps	1	5955	Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required
	37	6235	Not Required	6.00	Not Required	6.00	Not Required	9.00	Not Required
	113	6515	Not Required	6.00	Not Required	6.00	Not Required	9.00	Not Required
	233	7135	Not Required	7.50	Not Required	7.50	Not Required	10.50	Not Required
	397	7695	Not Required	7.50	Not Required	7.50	Not Required	10.50	Not Required
802.11a-HE30 MCS0	1	5955	Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required
	113	6515	Not Required	7.00	Not Required	6.50	Not Required	10.00	Not Required
	233	7135	Not Required	7.50	Not Required	7.00	Not Required	10.50	Not Required
	3	5955	Not Required	10.50	Not Required	10.00	Not Required	13.50	Not Required
	5	6045	Not Required	10.50	Not Required	10.00	Not Required	13.50	Not Required
802.11a-HE40 MCS0	107	6445	Not Required	10.50	Not Required	10.00	Not Required	13.50	Not Required
	107	6445	Not Required	10.50	Not Required	10.00	Not Required	13.50	Not Required
	107	6445	Not Required	10.50	Not Required	10.00	Not Required	13.50	Not Required
	107	6445	Not Required	10.50	Not Required	10.00	Not Required	13.50	Not Required
	107	6445	Not Required	10.50	Not Required	10.00	Not Required	13.50	Not Required
802.11a-HE80 MCS0	207	6845	Not Required	11.00	Not Required	11.00	Not Required	14.00	Not Required
	7	5955	Not Required	13.50	Not Required	13.00	Not Required	16.50	Not Required
	11	6045	Not Required	13.50	Not Required	13.00	Not Required	16.50	Not Required
	119	6545	Not Required	13.50	Not Required	13.00	Not Required	16.50	Not Required
	167	6945	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE160 MCS0	167	6945	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	15	6045	Not Required	14.00	Not Required	14.00	Not Required	17.00	Not Required
	15	6045	Not Required	14.00	Not Required	14.00	Not Required	17.00	Not Required
	47	6145	Not Required	15.50	Not Required	15.00	Not Required	18.50	Not Required
	111	6505	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
802.11a-HE320 MCS0	143	6605	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
	207	6845	Not Required	15.50	Not Required	15.00	Not Required	18.50	Not Required
	1	5955	Not Required	7.50	Not Required	7.50	Not Required	10.50	Not Required
	37	6235	Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required
	113	6515	Not Required	7.00	Not Required	7.00	Not Required	10.00	Not Required
802.11a-HE640 MCS0	233	7135	Not Required	7.50	Not Required	7.50	Not Required	10.50	Not Required
	397	7695	Not Required	7.50	Not Required	7.50	Not Required	10.50	Not Required
	113	6515	Not Required	7.00	Not Required	6.50	Not Required	10.00	Not Required
	233	7135	Not Required	7.50	Not Required	7.00	Not Required	10.50	Not Required
	397	7695	Not Required	7.50	Not Required	7.00	Not Required	10.50	Not Required
802.11a-HE1280 MCS0	119	6505	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
	143	6605	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
	143	6605	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
	143	6605	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
	143	6605	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
802.11a-HE2560 MCS0	207	6845	Not Required	15.50	Not Required	15.50	Not Required	18.50	Not Required
	171	6685	Not Required	9.00	Not Required	9.00	Not Required	12.00	Not Required
	207	6845	Not Required	13.00	Not Required	11.00	Not Required	14.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE5120 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE10240 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE20480 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE40960 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE81920 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE163840 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE327680 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE655360 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE1310720 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE2621440 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE5242880 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE10485760 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE20971520 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE41943040 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE83886080 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE167772160 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE335544320 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE671088640 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE1342177280 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE2684354560 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.00	Not Required
802.11a-HE5368709120 MCS0	207	6845	Not Required	13.00	Not Required	13.00	Not Required	16.	

<2.4GHz WLAN_Ant 6+3, Extremity Standalone>

Mode	Channel	Frequency (MHz)	Ant 6+3(20)		Ant 6+3(5)		Ant 6+3		Data Crate-%
			Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	Average Power (dBm)	Time-Up Limit	
802.11b 1Mbps	1	2412	20.21	21.50	20.26	21.50	22.24	24.50	97.03
	6	2437	19.84	21.50	20.51	21.50	22.84	24.50	97.03
	11	2462	20.09	21.50	19.89	21.50	23.00	24.50	97.03
	1	2412	19.17	20.50	18.89	20.50	22.04	23.50	98.63
802.11g 6Mbps	6	2437	19.98	21.50	20.13	21.50	23.06	24.50	98.63
	11	2462	18.21	19.50	17.04	19.50	21.00	22.00	98.63
	1	2412	17.96	19.50	17.62	19.50	20.80	22.00	100.00
	6	2437	19.87	21.50	19.51	21.50	22.90	24.50	100.00
802.11n HT20 MCS0	11	2460	17.08	19.50	17.35	19.50	20.53	22.00	100.00
	3	2420	18.99	20.50	18.78	20.50	21.90	23.00	100.00
802.11n HT40 MCS0	6	2437	19.45	21.00	19.38	21.00	22.43	24.00	100.00
	9	2452	17.26	19.00	16.89	19.50	19.94	21.50	100.00
	1	2412	18.55	19.50	17.89	19.50	19.87	22.50	100.00
	6	2437	19.92	21.50	19.96	21.50	22.65	24.50	100.00
802.11ac HE20 MCS0	11	2452	17.75	19.50	17.42	19.50	20.60	22.00	100.00
	3	2420	19.09	20.50	18.84	20.50	21.90	23.00	100.00
802.11ac HE40 MCS0	6	2437	19.51	21.00	19.45	21.00	22.48	24.00	100.00
	9	2452	17.28	19.00	16.71	19.50	20.01	21.50	100.00
	1	2412	16.11	19.50	17.78	19.50	20.94	22.50	100.00
	6	2437	19.98	21.50	20.05	21.50	23.02	24.50	100.00
802.11ac Ext720 MCS0	11	2460	17.82	19.50	17.48	19.50	20.66	22.00	100.00
	3	2420	19.14	20.50	18.82	20.50	22.04	23.50	100.00
802.11ac Ext740 MCS0	6	2437	19.18	21.00	19.51	21.00	22.56	24.00	100.00
	9	2452	17.34	19.00	16.79	19.50	20.08	21.50	100.00



<Bluetooth_Ant 6_Head Standalone>					
Mode	Channel	Frequency (MHz)	Ant 6		
			Average Power (mW)	Time-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	17.59	19.50	77.33
	39	2441	19.11	21.00	77.33
	78	2480	17.45	19.00	77.33
BR / EDR 2Mbps	0	2402	15.03	16.50	30.79
	39	2441	16.51	18.00	30.79
	78	2480	14.84	16.50	30.79
BR / EDR 3Mbps	0	2402	15.06	16.50	30.94
	39	2441	16.50	18.00	30.94
	78	2480	14.82	16.50	30.94
LE 125kpps	0	2402	11.19	13.00	62.50
	19	2440	12.04	13.00	62.50
	39	2480	11.59	13.00	62.50
LE 500kpps	0	2402	11.26	13.00	66.92
	19	2440	12.00	13.00	66.92
	39	2480	11.83	13.00	66.92
LE 1Mbps	0	2402	11.36	13.00	62.50
	19	2440	12.12	14.00	62.50
	39	2480	12.03	14.00	62.50
LE 2Mbps	0	2402	11.81	13.00	32.87
	19	2440	12.21	14.00	32.87
	39	2480	12.16	14.00	32.87
BT6.0 GFSK 1Mbps	2	2404	13.98	15.50	100.00
	38	2440	15.00	16.50	100.00
	76	2476	13.68	15.50	100.00
BT6.0 GFSK 2Mbps	2	2404	13.98	15.50	100.00
	38	2440	15.10	16.50	100.00
	76	2476	13.71	15.50	100.00
BT6.0 ASK 1Mbps	2	2404	18.12	20.00	100.00
	38	2440	19.58	21.00	100.00
	76	2476	18.49	20.00	100.00



<Bluetooth_Ant 3_Head Standalone>					
Mode	Channel	Frequency (MHz)	Ant 3		
			Average Power (mW)	Time-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	14.99	16.50	77.23
	39	2441	16.14	18.00	77.23
	78	2480	15.19	17.00	77.23
BR / EDR 2Mbps	0	2402	11.87	13.50	30.79
	39	2441	12.99	14.50	30.79
	78	2480	11.77	13.50	30.79
BR / EDR 3Mbps	0	2402	11.85	13.50	30.79
	39	2441	12.97	14.50	30.79
	78	2480	11.95	13.50	30.79
LE 125kpps	0	2402	11.45	13.00	62.96
	19	2440	12.49	14.00	62.95
	39	2480	11.78	13.50	62.95
LE 500kpps	0	2402	11.56	13.00	66.98
	19	2440	12.50	14.00	66.98
	39	2480	11.62	13.50	66.98
LE 1Mbps	0	2402	11.61	13.50	62.04
	19	2440	12.52	14.00	62.04
	39	2480	11.85	13.50	62.04
LE 2Mbps	0	2402	11.55	13.00	32.87
	19	2440	12.58	14.00	32.87
	39	2480	11.87	13.50	32.87
BT6.0 GFSK 1Mbps	2	2404	15.02	16.50	100.00
	38	2440	15.48	17.00	100.00
	76	2476	15.45	17.00	100.00
BT6.0 GFSK 2Mbps	2	2404	15.05	16.50	100.00
	38	2440	15.49	17.00	100.00
	76	2476	15.41	17.00	100.00
BT6.0 ASK 1Mbps	2	2404	16.00	17.50	100.00
	38	2440	16.71	18.00	100.00
	76	2476	15.43	17.00	100.00



<Bluetooth_Ant 6_Body-worn Standalone>					
Mode	Channel	Frequency (MHz)	Ant 6		
			Average Power (mW)	Time-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	17.59	19.50	77.33
	39	2441	19.11	21.00	77.33
	78	2480	17.45	19.00	77.33
BR / EDR 2Mbps	0	2402	15.03	16.50	30.79
	39	2441	16.51	18.00	30.79
	78	2480	14.84	16.50	30.79
BR / EDR 3Mbps	0	2402	15.06	16.50	30.94
	39	2441	16.50	18.00	30.94
	78	2480	14.82	16.50	30.94
LE 125kpps	0	2402	11.19	13.00	62.50
	19	2440	12.04	13.00	62.50
	39	2480	11.59	13.00	62.50
LE 500kpps	0	2402	11.26	13.00	66.92
	19	2440	12.00	13.00	66.92
	39	2480	11.83	13.00	66.92
LE 1Mbps	0	2402	11.36	13.00	62.50
	19	2440	12.12	14.00	62.50
	39	2480	12.03	14.00	62.50
LE 2Mbps	0	2402	11.81	13.00	32.87
	19	2440	12.21	14.00	32.87
	39	2480	12.16	14.00	32.87
BT6.0 GFSK 1Mbps	2	2404	13.98	15.50	100.00
	38	2440	15.00	16.50	100.00
	76	2476	13.68	15.50	100.00
BT6.0 GFSK 2Mbps	2	2404	13.98	15.50	100.00
	38	2440	15.10	16.50	100.00
	76	2476	13.71	15.50	100.00
BT6.0 ASK 1Mbps	2	2404	18.12	20.00	100.00
	38	2440	19.58	21.00	100.00
	76	2476	18.49	20.00	100.00



<Bluetooth_Ant 3_Body-worn Standalone>					
Mode	Channel	Frequency (MHz)	Ant 3		
			Average Power (mW)	Time-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	14.99	16.50	77.23
	39	2441	16.14	18.00	77.23
	78	2480	15.19	17.00	77.23
BR / EDR 2Mbps	0	2402	11.87	13.50	30.79
	39	2441	12.99	14.50	30.79
	78	2480	11.77	13.50	30.79
BR / EDR 3Mbps	0	2402	11.85	13.50	30.79
	39	2441	12.97	14.50	30.79
	78	2480	11.95	13.50	30.79
LE 125kpps	0	2402	11.45	13.00	62.96
	19	2440	12.49	14.00	62.95
	39	2480	11.78	13.50	62.95
LE 500kpps	0	2402	11.56	13.00	66.98
	19	2440	12.50	14.00	66.98
	39	2480	11.62	13.50	66.98
LE 1Mbps	0	2402	11.61	13.50	62.04
	19	2440	12.52	14.00	62.04
	39	2480	11.85	13.50	62.04
LE 2Mbps	0	2402	11.55	13.00	32.87
	19	2440	12.58	14.00	32.87
	39	2480	11.87	13.50	32.87
BT6.0 GFSK 1Mbps	2	2404	15.02	16.50	100.00
	38	2440	15.48	17.00	100.00
	76	2476	15.45	17.00	100.00
BT6.0 GFSK 2Mbps	2	2404	15.05	16.50	100.00
	38	2440	15.49	17.00	100.00
	76	2476	15.41	17.00	100.00
BT6.0 ASK 1Mbps	2	2404	16.00	17.50	100.00
	38	2440	16.71	18.00	100.00
	76	2476	16.43	17.00	100.00



<Bluetooth_Ant 6_Hotspot>					
Mode	Channel	Frequency (MHz)	Ant 6		
			Average Power (mW)	Time-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	17.59	19.50	77.33
	39	2441	19.11	21.00	77.33
	78	2480	17.45	19.00	77.33
BR / EDR 2Mbps	0	2402	15.03	16.50	30.79
	39	2441	16.51	18.00	30.79
	78	2480	14.84	16.50	30.79
BR / EDR 3Mbps	0	2402	15.06	16.50	30.94
	39	2441	16.50	18.00	30.94
	78	2480	14.82	16.50	30.94
LE 125kpps	0	2402	11.19	13.00	62.50
	19	2440	12.04	13.00	62.50
	39	2480	11.59	13.00	62.50
LE 500kpps	0	2402	11.26	13.00	66.92
	19	2440	12.00	13.00	66.92
	39	2480	11.83	13.00	66.92
LE 1Mbps	0	2402	11.36	13.00	62.50
	19	2440	12.12	14.00	62.50
	39	2480	12.03	14.00	62.50
LE 2Mbps	0	2402	11.81	13.00	32.87
	19	2440	12.21	14.00	32.87
	39	2480	12.16	14.00	32.87
BT6.0 GFSK 1Mbps	2	2404	13.98	15.50	100.00
	38	2440	15.00	16.50	100.00
	76	2476	13.68	15.50	100.00
BT6.0 GFSK 2Mbps	2	2404	13.98	15.50	100.00
	38	2440	15.10	16.50	100.00
	76	2476	13.71	15.50	100.00
BT6.0 ASK 1Mbps	2	2404	18.12	20.00	100.00
	38	2440	19.58	21.00	100.00
	76	2476	18.49	20.00	100.00



<Bluetooth_Ant 3_Hotspot>					
Mode	Channel	Frequency (MHz)	Ant 3		
			Average Power (mW)	Time-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	14.99	16.50	77.23
	39	2441	16.14	18.00	77.23
	78	2480	15.19	17.00	77.23
BR / EDR 2Mbps	0	2402	11.87	13.50	30.79
	39	2441	12.99	14.50	30.79
	78	2480	11.77	13.50	30.79
BR / EDR 3Mbps	0	2402	11.85	13.50	30.79
	39	2441	12.97	14.50	30.79
	78	2480	11.95	13.50	30.79
LE 125kpps	0	2402	11.45	13.00	62.96
	19	2440	12.49	14.00	62.95
	39	2480	11.78	13.50	62.95
LE 500kpps	0	2402	11.56	13.00	66.98
	19	2440	12.50	14.00	66.98
	39	2480	11.62	13.50	66.98
LE 1Mbps	0	2402	11.61	13.50	62.04
	19	2440	12.52	14.00	62.04
	39	2480	11.85	13.50	62.04
LE 2Mbps	0	2402	11.55	13.00	32.87
	19	2440	12.58	14.00	32.87
	39	2480	11.87	13.50	32.87
BT6.0 GFSK 1Mbps	2	2404	15.02	16.50	100.00
	38	2440	15.48	17.00	100.00
	76	2476	15.45	17.00	100.00
BT6.0 GFSK 2Mbps	2	2404	15.05	16.50	100.00
	38	2440	15.49	17.00	100.00
	76	2476	15.41	17.00	100.00
BT6.0 ASK 1Mbps	2	2404	16.00	17.50	100.00
	38	2440	16.71	18.00	100.00
	76	2476	15.43	17.00	100.00



<Bluetooth_Ant 6_Extremity Standalone>					
Mode	Channel	Frequency (MHz)	Ant 6		
			Average Power (mW)	Time-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	17.59	19.50	77.33
	39	2441	19.11	21.00	77.33
	78	2480	17.45	19.00	77.33
BR / EDR 2Mbps	0	2402	15.03	16.50	30.79
	39	2441	16.51	18.00	30.79
	78	2480	14.84	16.50	30.79
BR / EDR 3Mbps	0	2402	15.06	16.50	30.94
	39	2441	16.50	18.00	30.94
	78	2480	14.82	16.50	30.94
LE 125kpps	0	2402	11.19	13.00	62.50
	19	2440	12.04	13.00	62.50
	39	2480	11.59	13.00	62.50
LE 500kpps	0	2402	11.26	13.00	66.92
	19	2440	12.00	13.00	66.92
	39	2480	11.83	13.00	66.92
LE 1Mbps	0	2402	11.36	13.00	62.50
	19	2440	12.12	14.00	62.50
	39	2480	12.03	14.00	62.50
LE 2Mbps	0	2402	11.81	13.00	32.87
	19	2440	12.21	14.00	32.87
	39	2480	12.16	14.00	32.87
BT6.0 GFSK 1Mbps	2	2404	13.98	15.50	100.00
	38	2440	15.00	16.50	100.00
	76	2476	13.68	15.50	100.00
BT6.0 GFSK 2Mbps	2	2404	13.98	15.50	100.00
	38	2440	15.10	16.50	100.00
	76	2476	13.71	15.50	100.00
BT6.0 ASK 1Mbps	2	2404	18.12	20.00	100.00
	38	2440	19.58	21.00	100.00
	76	2476	18.49	20.00	100.00



<Bluetooth_Ant 3_Extremity Standalone>					
Mode	Channel	Frequency (MHz)	Ant 3		
			Average Power (mW)	Time-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	14.99	16.50	77.23
	39	2441	16.14	18.00	77.23
	78	2480	15.19	17.00	77.23
BR / EDR 2Mbps	0	2402	11.87	13.50	30.79
	39	2441	12.99	14.50	30.79
	78	2480	11.77	13.50	30.79
BR / EDR 3Mbps	0	2402	11.85	13.50	30.79
	39	2441	12.97	14.50	30.79
	78	2480	11.95	13.50	30.79
LE 125kpps	0	2402	11.45	13.00	62.96
	19	2440	12.49	14.00	62.95
	39	2480	11.78	13.50	62.95
LE 500kpps	0	2402	11.56	13.00	66.98
	19	2440	12.50	14.00	66.98
	39	2480	11.62	13.50	66.98
LE 1Mbps	0	2402	11.61	13.50	62.04
	19	2440	12.52	14.00	62.04
	39	2480	11.85	13.50	62.04
LE 2Mbps	0	2402	11.55	13.00	32.87
	19	2440	12.58	14.00	32.87
	39	2480	11.87	13.50	32.87
BT6.0 GFSK 1Mbps	2	2404	15.02	16.50	100.00
	38	2440	15.48	17.00	100.00
	76	2476	15.45	17.00	100.00
BT6.0 GFSK 2Mbps	2	2404	15.05	16.50	100.00
	38	2440	15.49	17.00	100.00
	76	2476	15.41	17.00	100.00
BT6.0 ASK 1Mbps	2	2404	16.00	17.50	100.00
	38	2440	16.71	18.00	100.00
	76	2476	15.43	17.00	100.00



Bluetooth_MIMO_Full Power

Mode	Channel	Frequency (MHz)	Ant 6			Ant 3			Ant 6+3		
			Average Power (mW)	Tune-Up Limit	Duty Cycle %	Average Power (mW)	Tune-Up Limit	Duty Cycle %	Average Power (mW)	Tune-Up Limit	Duty Cycle %
BR / EDR 1Mbps	0	2402	13.27	15.0	77.33	13.07	15.0	77.23	16.18	18.0	77.23
	39	2441	14.46	16.0	77.33	13.90	15.5	77.23	17.20	19.0	77.23
	76	2480	13.67	15.5	77.33	12.38	14.0	77.23	16.08	18.0	77.23
BR / EDR 2Mbps	0	2402	7.98	9.5	76.70	8.53	10.0	76.75	11.27	13.0	76.75
	39	2441	9.12	11.0	76.70	9.67	11.5	76.75	12.41	14.0	76.75
	76	2480	7.76	9.5	76.70	7.77	9.5	76.75	10.75	12.5	76.75
BR / EDR 3Mbps	0	2402	7.93	9.5	76.87	8.38	10.0	77.25	11.17	13.0	77.25
	39	2441	9.20	11.0	76.87	9.51	11.0	77.25	12.37	14.0	77.25
	76	2480	7.76	9.5	76.87	7.67	9.5	77.25	10.73	12.5	77.25
LE 125kpps	0	2402	5.59	7.50	62.50	5.53	7.00	62.04	8.57	10.50	62.94
	19	2440	7.46	9.00	62.50	6.56	8.00	62.04	10.05	12.00	62.94
	39	2480	7.00	8.50	62.50	5.82	7.50	62.04	9.46	11.00	62.94
LE 500kpps	0	2402	5.57	7.50	32.87	5.53	7.00	32.87	8.56	10.50	32.87
	19	2440	7.46	9.00	32.87	6.53	8.00	32.87	10.03	11.50	32.87
	39	2480	6.94	8.50	32.87	5.82	7.50	32.87	9.43	11.00	32.87
LE 1Mbps	0	2402	5.62	7.50	62.50	5.52	7.00	62.07	8.58	10.50	62.97
	19	2440	7.51	9.00	62.50	6.64	8.50	62.07	10.11	12.00	62.97
	39	2480	7.03	8.50	62.50	5.85	7.50	62.07	9.49	11.00	62.97
LE 2Mbps	0	2402	5.96	7.50	32.87	5.67	7.50	32.87	8.78	10.50	32.87
	19	2440	7.58	9.50	32.87	6.71	8.50	32.87	10.18	12.00	32.87
	39	2480	7.08	9.00	32.87	5.87	7.50	32.87	9.52	11.00	32.87
BTLE 0 GF-SK 1Mbps	2	2404	5.76	7.50	100.00	5.33	7.00	100.00	8.66	10.50	100.00
	38	2440	8.00	9.50	100.00	6.14	8.00	100.00	10.18	12.00	100.00
	76	2478	6.45	8.00	100.00	5.11	7.00	100.00	8.84	10.50	100.00
BTLE 0 GF-SK 2Mbps	2	2404	6.62	8.50	100.00	5.90	7.50	100.00	9.29	11.00	100.00
	38	2440	8.09	10.00	100.00	6.25	8.00	100.00	10.28	12.00	100.00
	76	2478	6.55	8.50	100.00	5.21	7.00	100.00	8.94	10.50	100.00
BTLE 0 ASK 1Mbps	2	2404	11.98	13.50	100.00	11.99	13.50	100.00	15.00	16.50	100.00
	38	2440	13.25	15.00	100.00	12.38	14.00	100.00	15.85	17.50	100.00
	76	2478	11.52	13.00	100.00	11.41	13.00	100.00	14.48	16.00	100.00