



Full&Default Power Mode

Ant 0						
GSM850 Ant 0			Burst Average Power (dBm)		Frame-Average Power (dBm)	
TX Channel			128	189	251	Limit
Frequency (MHz)			824.2	836.4	848.6	848.6
QPSK 3 Tx slots			27.21	27.22	27.06	26.90
						24.21
						24.22
						24.06
						25.50
Band			WCDMA V Ant 0		Tune-up	
TX Channel			4132	4182	4232	Limit
Rx Channel			4357	4407	4458	4458
Frequency (MHz)			826.4	836.4	846.4	846.4
SCPP Ref 9a			RMC 12.26bps	22.51	22.53	24.90

Band 5 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				629	636.5	644		
10	QPSK	1	0	22.33	22.43	22.31	24	0
10	QPSK	25	0	21.36	21.39	21.28	23	1
10	QPSK	50	0	21.36	21.41	21.32	24	1

Band 2 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Mode Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				15700	15800	15100		
Frequency (MHz)				1560	1580	1500		
20	QPSK	1	0	22.89	22.79	22.61	24	0
20	QPSK	50	0	21.85	21.87	21.72	23	1
20	QPSK	100	0	21.78	21.84	21.63	23	1

Band 2 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	22.30	22.52	22.80	24	0
20	QPSK	50	0	21.61	21.74	21.58	23	1
20	QPSK	100	0	21.63	21.71	21.52		

Band 26 for FCC Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency [MHz]				821.5	831.5	841.5		
15	QPSK	1	0	22.30	22.48	22.45	24	0
15	QPSK	36	0	21.37	21.57	21.45	23	1
15	QPSK	75	0	21.37	21.47	21.38	24	0

Band 42 FCC Part27Q Ant5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	22.82	22.82	22.70	24
20	QPSK	50	0	21.78	21.78	21.70	23
20	QPSK	100	0	21.78	21.80	21.87	

Ant 1						
GSM1900 Ant1			Burst Average Power (dBm)		Frame-Average Power (dBm)	
TX Channel			512	661	810	Limit
Frequency (MHz)			1850.2	1862.2	1874.2	1874.2
QPSK 3 Tx slots			25.26	25.33	25.26	26.50
						21.02
						21.07
						21.00
						22.24
Band			WCDMA II Ant1		Tune-up	
TX Channel			9262	9302	9342	Limit
Rx Channel			9602	9600	9598	9598
Frequency (MHz)			1852.4	1860	1867.6	1867.6
SCPP Ref 9a			RMC 12.26bps	22.57	22.65	24.90

Band 26 for FCC Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq		Power Middle Ch. Freq		Power High Ch. Freq	
				28765	28865	28965			
Channel Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.53	22.54	22.45	24	0	
15	QPSK	36	0	21.48	21.53	21.48	23	1	
15	QPSK	75	0	21.56	21.61	21.36	24	1	

Band 7 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.68	22.72	22.70	24	0
20	QPSK	50	0	21.73	21.86	21.88	23	1
20	QPSK	100	0	21.71	21.82	21.52	23	1

Band 5 Ant4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.35	22.49	22.41	24
10	QPSK	25	0	21.41	21.48	21.35	0
10	QPSK	50	0	21.37	21.43	21.28	23

Band 38 Ant4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150	24	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.68	22.86	22.80		
20	QPSK	50	0	21.76	21.85	21.80		
20	QPSK	100	0	21.62	21.82	21.73	23	1

Band 38 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [dBm]	Power Middle Ch. [dBm]	Power High Ch. [dBm]	Time-up limit (s)	MPR (dB)
Channel Frequency [MHz]				37850	38000	38150		
				2580	2596	2610		
20	QPSK	1	0	22.90	22.93	22.73	24	0
20	QPSK	50	0	21.89	21.97	21.70	23	1
20	QPSK	100	0	21.82	21.85	21.68	23	1

Band 7 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.57	22.87	22.53		0
20	QPSK	50	0	21.50	21.87	21.56		
20	QPSK	100	0	21.48	21.50	21.48	23	1

Band 71											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med. Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.63	22.82	22.66	24	0			
20	QPSK	1	49	22.70	22.69	22.57					
20	QPSK	1	99	22.59	22.63	22.65					
20	QPSK	50	0	21.81	21.87	21.68					
20	QPSK	50	24	21.76	21.80	21.79	23	1			
20	QPSK	50	50	21.75	21.77	21.78					
20	QPSK	100	0	21.70	21.79	21.65					
20	16QAM	1	0	21.97	22.12	22.05					
20	16QAM	1	49	22.09	22.15	22.21	23	1			
20	16QAM	1	99	21.99	22.02	22.21					
20	16QAM	50	0	20.66	20.85	20.77					
20	16QAM	50	24	20.56	20.79	20.74					
20	16QAM	50	50	20.65	20.71	20.77	22	2			
20	16QAM	100	0	20.89	20.82	20.84					
20	64QAM	1	0	20.53	20.71	20.66					
20	64QAM	1	49	20.76	20.88	20.55					
20	64QAM	1	99	20.53	20.72	20.93	21	3			
20	64QAM	50	0	19.70	19.75	19.76					
20	64QAM	50	24	19.61	19.90	19.87					
20	64QAM	50	50	19.74	19.67	19.85					
20	64QAM	100	0	19.78	19.69	19.93	19	5			
20	256QAM	1	0	17.72	17.84	17.88					
20	256QAM	1	49	17.65	17.74	17.56					
20	256QAM	1	99	17.86	17.73	17.91					
20	256QAM	50	0	17.68	17.81	17.84	19	5			
20	256QAM	50	24	17.81	17.69	17.72					
20	256QAM	50	50	17.71	17.86	17.69					
20	256QAM	100	0	17.88	17.70	17.90					
Channel							Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)							670.5			680.5	690.5
15	QPSK	1	0	22.48	22.73	22.52	24	0			
15	QPSK	1	37	22.35	22.62	22.49					
15	QPSK	1	74	22.32	22.54	22.60					
15	QPSK	36	0	21.65	21.82	21.60					
15	QPSK	36	20	21.64	21.67	21.74	23	1			
15	QPSK	36	39	21.65	21.70	21.71					
15	QPSK	75	0	21.62	21.63	21.50					
15	16QAM	1	0	21.86	22.04	21.99					
15	16QAM	1	37	21.97	22.04	21.99	23	1			
15	16QAM	1	74	21.95	21.88	22.08					
15	16QAM	36	0	20.60	20.77	20.89					
15	16QAM	36	20	20.48	20.72	20.69					
15	16QAM	36	39	20.49	20.48	20.59	22	2			
15	16QAM	75	0	20.73	20.76	20.76					
15	64QAM	1	0	20.45	20.62	20.55					
15	64QAM	1	37	20.69	20.78	20.44					
15	64QAM	1	74	20.46	20.65	20.79	22	2			
15	64QAM	36	0	19.81	19.64	19.69					
15	64QAM	36	20	19.47	19.78	19.75					
15	64QAM	36	39	19.63	19.52	19.73					
15	64QAM	75	0	19.68	19.55	19.86	21	3			
15	256QAM	1	0	17.62	17.78	17.75					
15	256QAM	1	37	17.60	17.64	17.39					
15	256QAM	1	74	17.60	17.60	17.67					
15	256QAM	36	0	17.55	17.76	17.51	19	5			
15	256QAM	36	20	17.67	17.60	17.58					
15	256QAM	36	39	17.59	17.81	17.61					
15	256QAM	75	0	17.76	17.59	17.77					
Channel							133172			133272	133422
Frequency (MHz)							668			678	685
10	QPSK	1	0	22.53	22.71	22.61	24	0			
10	QPSK	1	25	22.58	22.57	22.52					
10	QPSK	1	49	22.48	22.53	22.52					
10	QPSK	25	0	21.75	21.82	21.62					
10	QPSK	25	12	21.69	21.66	21.74	23	1			
10	QPSK	25	25	21.61	21.68	21.65					
10	QPSK	50	0	21.59	21.67	21.61					
10	16QAM	1	0	21.83	22.01	21.92					
10	16QAM	1	25	22.03	22.02	22.06	23	1			
10	16QAM	1	49	21.89	21.97	22.06					
10	16QAM	25	0	20.61	20.78	20.66					
10	16QAM	25	12	20.46	20.64	20.66					
10	16QAM	25	25	20.51	20.57	20.66	22	2			
10	16QAM	50	0	20.76	20.75	20.72					
10	64QAM	1	0	20.43	20.63	20.54					
10	64QAM	1	25	20.62	20.76	20.49					
10	64QAM	1	49	20.44	20.58	20.63	22	2			
10	64QAM	25	0	19.63	19.68	19.60					
10	64QAM	25	12	19.55	19.81	19.82					
10	64QAM	25	25	19.60	19.54	19.75					
10	64QAM	50	0	19.72	19.54	19.82	21	3			
10	256QAM	1	0	17.62	17.77	17.74					
10	256QAM	1	25	17.57	17.69	17.49					
10	256QAM	1	49	17.50	17.62	17.63					
10	256QAM	25	0	17.58	17.65	17.51	19	5			
10	256QAM	25	12	17.73	17.55	17.62					
10	256QAM	25	25	17.64	17.79	17.65					
10	256QAM	50	0	17.63	17.65	17.77					
Channel							133147			133247	133447
Frequency (MHz)							665.5			675.5	695.5
5	QPSK	1	0	22.56	22.69	22.57	24	0			
5	QPSK	1	12	22.55	22.55	22.47					
5	QPSK	1	24	22.46	22.50	22.58					
5	QPSK	12	0	21.77	21.73	21.58					
5	QPSK	12	7	21.72	21.73	21.75	23	1			
5	QPSK	12	13	21.69	21.84	21.63					
5	QPSK	25	0	21.55	21.65	21.60					
5	16QAM	1	0	21.81	22.08	21.96					
5	16QAM	1	12	22.01	22.04	22.02	23	1			
5	16QAM	1	24	21.90	21.96	22.09					
5	16QAM	12	0	20.56	20.78	20.64					
5	16QAM	12	7	20.41	20.70	20.60					
5	16QAM	12	13	20.51	20.56	20.66	22	2			
5	16QAM	25	0	20.84	20.77	20.75					
5	64QAM	1	0	20.46	20.67	20.53					
5	64QAM	1	12	20.68	20.84	20.45					
5	64QAM	1	24	20.46	20.59	20.84	22	2			
5	64QAM	12	0	19.60	19.68	19.71					
5	64QAM	12	7	19.55	19.80	19.80					
5	64QAM	12	13	19.64	19.56	19.77					
5	64QAM	25	0	19.69	19.65	19.85	21	3			
5	256QAM	1	0	17.61	17.79	17.77					
5	256QAM	1	12	17.60	17.69	17.47					
5	256QAM	1	24	17.60	17.69	17.85					
5	256QAM	12	0	17.54	17.76	17.54					
5	256QAM	12	7	17.67	17.62	17.67	19	5			
5	256QAM	12	13	17.58	17.71	17.61					
5	256QAM	25	0	17.73	17.64	17.84					

Band 41 Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq		
Channel										
Frequency [MHz]										
20	QPSK	1	0	22.74	22.63	22.63	22.68	22.63	24	
20	QPSK	1	49	22.78	22.47	22.69	22.68	22.49		
20	QPSK	1	99	22.70	22.65	22.64	22.48	22.48		
20	QPSK	50	0	21.79	21.78	21.93	21.62	21.69		
20	QPSK	50	24	21.76	21.55	21.85	21.54	21.57		
20	QPSK	50	50	21.82	21.64	21.67	21.59	21.58	23	
20	QPSK	100	0	21.68	21.47	21.77	21.70	21.48		
20	16QAM	1	0	21.79	21.55	21.74	21.69	21.47		
20	16QAM	1	49	21.83	21.57	21.62	21.57	21.45		
20	16QAM	1	99	21.78	21.64	21.66	21.56	21.33		
20	16QAM	50	0	20.86	20.58	20.70	20.63	20.54	22	
20	16QAM	50	24	20.73	20.57	20.76	20.59	20.59		
20	16QAM	50	50	20.70	20.53	20.68	20.48	20.60		
20	16QAM	100	0	20.56	20.56	20.71	20.61	20.54		
20	64QAM	1	0	20.72	20.43	20.62	20.35	20.51		
20	64QAM	1	49	20.63	20.45	20.72	20.41	20.49	21	
20	64QAM	1	99	20.65	20.45	20.70	20.41	20.43		
20	64QAM	50	0	19.68	19.76	19.82	19.65	19.64		
20	64QAM	50	24	19.84	19.59	19.88	19.60	19.65		
20	64QAM	50	50	19.87	19.58	19.79	19.54	19.44		
20	256QAM	1	0	17.73	17.52	17.72	17.48	19.51	19	
20	256QAM	1	0	17.86	17.59	17.64	17.65	17.57		
20	256QAM	1	49	17.73	17.53	17.74	17.66	17.48		
20	256QAM	1	99	17.52	17.60	17.68	17.45	17.45		
20	256QAM	50	0	17.73	17.70	17.72	17.59	17.50		
20	256QAM	50	24	17.91	17.46	17.63	17.63	17.55	19	
20	256QAM	50	50	17.72	17.71	17.62	17.59	17.50		
20	256QAM	100	0	17.58	17.66	17.72	17.51	17.51		
Channel										
Frequency [MHz]										
15	QPSK	1	0	22.75	22.63	22.63	22.54	22.65	24	
15	QPSK	1	37	22.80	22.60	22.72	22.54	22.47		
15	QPSK	1	74	22.84	22.72	22.86	22.56	22.47		
15	QPSK	36	0	21.70	21.73	21.84	21.61	21.62		
15	QPSK	36	20	21.82	21.69	21.79	21.66	21.65		
15	QPSK	36	39	21.80	21.65	21.76	21.67	21.50	23	
15	QPSK	75	0	21.59	21.47	21.62	21.59	21.49		
15	16QAM	1	0	21.93	21.53	21.75	21.66	21.48		
15	16QAM	1	37	21.87	21.58	21.63	21.44	21.46		
15	16QAM	1	74	21.67	21.74	21.63	21.46	21.45		
15	16QAM	36	0	20.92	20.50	20.62	20.58	20.49	22	
15	16QAM	36	20	20.74	20.54	20.65	20.59	20.56		
15	16QAM	36	39	20.68	20.51	20.60	20.56	20.53		
15	16QAM	75	0	20.58	20.59	20.69	20.56	20.55		
15	64QAM	1	0	20.78	20.36	20.73	20.35	20.44		
15	64QAM	1	37	20.69	20.48	20.61	20.31	20.49	22	
15	64QAM	1	74	20.75	20.48	20.55	20.52	20.41		
15	64QAM	36	0	19.68	19.72	19.77	19.76	19.64		
15	64QAM	36	20	19.65	19.58	19.66	19.73	19.61		
15	64QAM	36	39	19.78	19.49	19.65	19.67	19.49		
15	64QAM	75	0	19.74	19.50	19.72	19.67	19.51	21	
15	256QAM	1	0	17.81	17.59	17.70	17.63	17.49		
15	256QAM	1	37	17.69	17.45	17.85	17.55	17.49		
15	256QAM	1	74	17.58	17.64	17.76	17.53	17.48		
15	256QAM	36	0	17.84	17.57	17.67	17.79	17.69		
15	256QAM	36	20	17.90	17.58	17.81	17.69	17.46	19	
15	256QAM	36	39	17.63	17.76	17.48	17.67	17.43		
15	256QAM	75	0	17.58	17.70	17.59	17.60	17.41		
Channel										
Frequency [MHz]										
10	QPSK	1	0	22.84	22.77	22.74	22.69	22.54	24	
10	QPSK	1	25	22.86	22.56	22.63	22.73	22.50		
10	QPSK	1	49	22.58	22.67	22.72	22.46	22.46		
10	QPSK	25	0	21.68	21.65	21.91	21.55	21.58		
10	QPSK	25	12	21.83	21.54	21.81	21.58	21.67		
10	QPSK	25	25	21.69	21.54	21.76	21.67	21.45	23	
10	QPSK	50	0	21.68	21.53	21.66	21.54	21.48		
10	16QAM	1	0	21.82	21.51	21.75	21.70	21.36		
10	16QAM	1	25	21.76	21.56	21.66	21.45	21.45		
10	16QAM	1	49	21.79	21.59	21.65	21.53	21.37		
10	16QAM	25	0	20.80	20.56	20.74	20.66	20.47	22	
10	16QAM	25	12	20.65	20.62	20.81	20.52	20.62		
10	16QAM	25	25	20.76	20.63	20.62	20.60	20.54		
10	16QAM	50	0	20.61	20.46	20.72	20.64	20.42		
10	64QAM	1	0	20.76	20.35	20.65	20.47	20.52		
10	64QAM	1	25	20.59	20.53	20.65	20.41	20.41	22	
10	64QAM	1	49	20.72	20.57	20.66	20.49	20.29		
10	64QAM	25	0	19.81	19.70	19.86	19.67	19.67		
10	64QAM	25	12	19.71	19.58	19.67	19.55	19.70		
10	64QAM	25	25	19.78	19.55	19.74	19.46	19.50		
10	64QAM	50	0	19.69	19.55	19.77	19.45	19.48	21	
10	256QAM	1	0	17.74	17.65	17.79	17.72	17.56		
10	256QAM	1	25	17.74	17.43	17.84	17.66	17.50		
10	256QAM	1	49	17.63	17.68	17.67	17.49	17.54		
10	256QAM	25	0	17.69	17.72	17.81	17.63	17.61		
10	256QAM	25	12	17.92	17.50	17.70	17.58	17.57	19	
10	256QAM	25	25	17.74	17.79	17.68	17.51	17.55		
10	256QAM	50	0	17.68	17.77	17.73	17.60	17.56		
Channel										
Frequency [MHz]										
5	QPSK	1	0	22.77	22.58	22.66	22.74	22.54	24	
5	QPSK	1	12	22.84	22.47	22.63	22.56	22.45		
5	QPSK	1	24	22.72	22.59	22.61	22.52	22.54		
5	QPSK	12	0	21.68	21.86	21.83	21.64	21.74		
5	QPSK	12	7	21.74	21.53	21.91	21.65	21.56		
5	QPSK	12	13	21.73	21.57	21.69	21.61	21.51	23	
5	QPSK	25	0	21.63	21.59	21.67	21.60	21.39		
5	16QAM	1	0	21.87	21.55	21.59	21.80	21.47		
5	16QAM	1	12	21.78	21.48	21.57	21.48	21.44		
5	16QAM	1	24	21.71	21.66	21.59	21.67	21.46		
5	16QAM	12	0	20.94	20.58	20.77	20.69	20.55	22	
5	16QAM	12	7	20.86	20.57	20.71	20.57	20.51		
5	16QAM	12	13	20.63	20.46	20.77	20.56	20.61		
5	16QAM	25	0	20.54	20.58	20.73	20.58	20.51		
5	64QAM	1	0	20.61	20.32	20.70	20.41	20.46		
5	64QAM	1	12	20.66	20.51	20.77	20.43	20.42	22	
5	64QAM	1	24	20.73	20.44	20.60	20.42	20.37		
5	64QAM	12	0	19.61	19.73	19.69	19.76	19.54		
5	64QAM	12	7	19.71	19.68	19.76	19.76	19.71		
5	64QAM	12	13	19.74	19.53	19.70	19.53	19.32		
5	64QAM	25	0	19.79	19.60	19.76	19.53	19.48	21	
5	256QAM	1	0	17.85	17.59	17.69	17.64	17.52		
5	256QAM	1	12	17.66	17.56	17.67	17.64	17.42		
5	256QAM	1	24	17.55	17.58	17.78	17.56	17.41		
5	256QAM	12	0	17.76	17.73	17.74	17.69	17.65		
5	256QAM	12	7	17.80	17.48	17.64	17.75	17.45	19	
5	256QAM	12	13	17.73	17.59	17.57	17.53	17.57		
5	256QAM	25	0	17.64	17.71	17.79	17.49	17.56		

Band 41 HPUE										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Turn-on limit (dBm)	MPR (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	25.81	25.69	25.59	25.62	25.58	27	0
20	QPSK	1	49	25.81	25.53	25.73	25.63	25.47		
20	QPSK	1	99	25.62	25.58	25.58	25.43	25.45		
20	QPSK	50	0	24.73	24.78	24.86	24.57	24.59		
20	QPSK	50	24	24.74	24.57	24.75	24.54	24.58	26	1
20	QPSK	100	0	24.61	24.52	24.52	24.38	24.39		
20	16QAM	1	0	24.76	24.48	24.65	24.59	24.42		
20	16QAM	1	49	24.71	24.44	24.64	24.52	24.48		
20	16QAM	1	99	24.64	24.64	24.65	24.50	24.36	25	2
20	16QAM	50	0	23.84	23.52	23.67	23.51	23.51		
20	16QAM	50	24	23.71	23.67	23.73	23.53	23.58		
20	16QAM	50	50	23.74	23.54	23.63	23.44	23.59		
20	16QAM	100	0	23.53	23.47	23.67	23.54	23.50	25	2
20	64QAM	1	0	23.58	23.34	23.62	23.48	23.55		
20	64QAM	1	49	23.55	23.43	23.72	23.51	23.36		
20	64QAM	1	99	23.71	23.50	23.65	23.35	23.26		
20	64QAM	50	0	22.63	22.76	22.88	22.60	22.52	24	3
20	64QAM	50	24	22.71	22.47	22.90	22.60	22.47		
20	64QAM	50	50	22.80	22.46	22.63	22.33	22.47		
20	64QAM	100	0	22.68	22.52	22.61	22.47	22.47		
20	256QAM	1	0	20.77	20.59	20.68	20.57	20.52	22	5
20	256QAM	1	49	20.76	20.45	20.69	20.46	20.37		
20	256QAM	1	99	20.54	20.56	20.74	20.56	20.34		
20	256QAM	50	0	20.74	20.61	20.75	20.49	20.54		
20	256QAM	50	24	20.86	20.53	20.80	20.57	20.47	22	5
20	256QAM	50	50	20.61	20.69	20.53	20.49	20.51		
20	256QAM	100	0	20.57	20.63	20.71	20.53	20.43		
Channel										
Frequency (MHz)										
15	QPSK	1	0	25.66	25.47	25.77	25.48	25.54	27	0
15	QPSK	1	37	25.73	25.49	25.64	25.49	25.36		
15	QPSK	1	74	25.54	25.61	25.60	25.50	25.37		
15	QPSK	36	0	24.62	24.52	24.63	24.52	24.52		
15	QPSK	36	20	24.73	24.53	24.72	24.52	24.56	26	1
15	QPSK	36	39	24.66	24.46	24.58	24.62	24.42		
15	QPSK	75	0	24.52	24.40	24.71	24.53	24.45		
15	16QAM	1	0	24.82	24.37	24.67	24.42	24.35		
15	16QAM	1	37	24.72	24.54	24.80	24.34	24.38	26	1
15	16QAM	1	74	24.61	24.65	24.48	24.40	24.37		
15	16QAM	36	0	23.83	23.40	23.74	23.49	23.40		
15	16QAM	36	20	23.65	23.65	23.64	23.49	23.50		
15	16QAM	36	39	23.57	23.47	23.54	23.45	23.45	25	2
15	16QAM	75	0	23.47	23.51	23.68	23.52	23.43		
15	64QAM	1	0	23.65	23.33	23.61	23.42	23.31		
15	64QAM	1	37	23.54	23.53	23.68	23.16	23.45		
15	64QAM	1	74	23.55	23.48	23.65	23.31	23.36	25	2
15	64QAM	36	0	22.59	22.68	22.68	22.25	22.47		
15	64QAM	36	20	22.60	22.40	22.84	22.62	22.55		
15	64QAM	36	39	22.68	22.53	22.59	22.47	22.51		
15	64QAM	75	0	22.67	22.46	22.65	22.48	22.46	24	3
15	256QAM	1	0	20.70	20.44	20.68	20.46	20.32		
15	256QAM	1	37	20.63	20.41	20.69	20.45	20.44		
15	256QAM	1	74	20.50	20.53	20.70	20.38	20.35		
15	256QAM	36	0	20.53	20.57	20.59	20.67	20.55	22	5
15	256QAM	36	20	20.62	20.48	20.68	20.42	20.42		
15	256QAM	36	39	20.53	20.69	20.49	20.52	20.38		
15	256QAM	75	0	20.56	20.61	20.57	20.50	20.32		
Channel										
Frequency (MHz)										
10	QPSK	1	0	25.75	25.67	25.67	25.62	25.39	27	0
10	QPSK	1	25	25.68	25.47	25.49	25.69	25.45		
10	QPSK	1	49	25.58	25.58	25.64	25.42	25.38		
10	QPSK	1	99	25.64	24.78	24.87	24.64	24.51		
10	QPSK	25	12	24.75	24.46	24.77	24.50	24.59	26	1
10	QPSK	25	25	24.57	24.47	24.62	24.63	24.55		
10	QPSK	50	0	24.60	24.48	24.58	24.43	24.43		
10	16QAM	1	0	24.76	24.57	24.65	24.58	24.33		
10	16QAM	1	0	24.75	24.45	24.57	24.49	24.38	26	1
10	16QAM	1	49	24.67	24.55	24.49	24.41	24.30		
10	16QAM	25	0	23.70	23.45	23.61	23.56	23.44		
10	16QAM	25	12	23.59	23.51	23.73	23.37	23.59		
10	16QAM	25	25	23.84	23.56	23.68	23.49	23.47	25	2
10	16QAM	50	0	23.53	23.41	23.61	23.52	23.30		
10	64QAM	1	0	23.64	23.26	23.62	23.33	23.45		
10	64QAM	1	25	23.62	23.50	23.51	23.30	23.30		
10	64QAM	1	49	23.62	23.54	23.55	23.43	23.24	25	2
10	64QAM	25	12	22.68	22.66	22.67	22.59	22.60		
10	64QAM	25	12	22.58	22.49	22.73	22.52	22.59		
10	64QAM	25	25	22.77	22.48	22.59	22.38	22.38		
10	64QAM	50	0	22.66	22.44	22.65	22.35	22.41	24	3
10	256QAM	1	0	20.64	20.59	20.67	20.50	20.47		
10	256QAM	1	25	20.69	20.40	20.67	20.51	20.48		
10	256QAM	1	49	20.49	20.54	20.59	20.40	20.45		
10	256QAM	25	0	20.57	20.67	20.72	20.57	20.50	22	5
10	256QAM	25	13	20.79	20.33	20.75	20.30	20.49		
10	256QAM	25	25	20.65	20.71	20.59	20.38	20.47		
10	256QAM	50	0	20.59	20.72	20.68	20.57	20.45		
Channel										
Frequency (MHz)										
5	QPSK	1	0	25.65	25.44	25.73	25.43	25.47	27	0
5	QPSK	1	12	25.78	25.43	25.58	25.52	25.34		
5	QPSK	1	24	25.58	25.48	25.54	25.41	25.43		
5	QPSK	12	0	24.66	24.70	24.67	24.52	24.43		
5	QPSK	12	7	24.70	24.42	24.75	24.49	24.50	26	1
5	QPSK	12	13	24.60	24.51	24.65	24.57	24.36		
5	QPSK	25	0	24.48	24.52	24.61	24.44	24.31		
5	16QAM	1	0	24.76	24.50	24.49	24.48	24.42		
5	16QAM	1	12	24.61	24.36	24.65	24.41	24.34	26	1
5	16QAM	1	24	24.67	24.53	24.54	24.39	24.30		
5	16QAM	12	0	23.91	23.51	23.74	23.62	23.53		
5	16QAM	12	7	23.74	23.46	23.64	23.41	23.59		
5	16QAM	12	13	23.53	23.59	23.65	23.48	23.52	25	2
5	16QAM	25	0	23.44	23.40	23.68	23.49	23.45		
5	64QAM	1	0	23.44	23.20	23.65	23.35	23.45		
5	64QAM	1	12	23.62	23.41	23.69	23.34	23.31		
5	64QAM	1	24	23.67	23.33	23.56	23.28	23.37	25	2
5	64QAM	12	0	22.48	22.72	22.70	22.73	22.70		
5	64QAM	12	7	22.59	22.58	22.61	22.70	22.66		
5	64QAM	12	13	22.70	22.43	22.67	22.45	22.26		
5	256QAM	25	0	20.69	22.49	22.70	22.46	22.32	22	5
5	256QAM	1	0	22.71	20.57	20.55	20.52	20.35		
5	256QAM	1	12	20.55	20.55	20.75	20.40	20.42		
5	256QAM	1	24	20.46	20.46	20.70	20.47	20.31		
5	256QAM	12	0	20.63	20.64	20.68	20.58	20.54	22	5
5	256QAM	12	7	20.74	20.44	20.54	20.60	20.35		
5	256QAM	12	13	20.68	20.51	20.65	20.43	20.47		
5	256QAM	25	0	20.53	20.63	20.68	20.43	20.52		

Band 71									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133322	133372	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				673	683	688			
20	QPSK	1	0	22.50	22.75	22.57	24	0	
20	QPSK	1	49	22.59	22.59	22.44			
20	QPSK	1	99	22.52	22.52	22.56			
20	QPSK	50	0	21.68	21.76	21.55			
20	QPSK	50	24	21.71	21.69	21.73	23	1	
20	QPSK	50	50	21.61	21.67	21.68			
20	QPSK	100	0	21.54	21.75	21.51			
20	16QAM	1	0	21.86	22.05	21.96			
20	16QAM	1	49	22.01	22.06	22.05	23	1	
20	16QAM	1	99	21.90	21.89	22.15			
20	16QAM	50	0	20.55	20.80	20.70			
20	16QAM	50	24	20.44	20.72	20.67			
20	16QAM	50	50	20.56	20.61	20.86	22	2	
20	16QAM	100	0	20.84	20.69	20.76			
20	64QAM	1	0	20.48	20.64	20.57			
20	64QAM	1	49	20.69	20.74	20.48			
20	64QAM	1	99	20.43	20.57	20.85	22	2	
20	64QAM	50	0	19.56	19.61	19.63			
20	64QAM	50	24	19.48	19.77	19.73			
20	64QAM	50	50	19.62	19.59	19.76			
20	64QAM	100	0	19.62	19.58	19.81	21	3	
20	256QAM	1	0	17.62	17.69	17.82			
20	256QAM	1	49	17.55	17.64	17.47			
20	256QAM	1	99	17.57	17.63	17.84			
20	256QAM	50	0	17.60	17.69	17.59	19	5	
20	256QAM	50	24	17.69	17.58	17.57			
20	256QAM	50	50	17.62	17.81	17.64			
20	256QAM	100	0	17.79	17.64	17.81			
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	22.37	22.63	22.42	24	0	
15	QPSK	1	37	22.44	22.54	22.31			
15	QPSK	1	74	22.39	22.40	22.42			
15	QPSK	36	0	21.53	21.70	21.50			
15	QPSK	36	20	21.57	21.59	21.64	23	1	
15	QPSK	36	39	21.51	21.56	21.62			
15	QPSK	75	0	21.49	21.67	21.45			
15	16QAM	1	0	21.76	21.59	21.84			
15	16QAM	1	37	21.94	22.00	21.98	23	1	
15	16QAM	1	74	21.79	21.78	22.04			
15	16QAM	36	0	20.48	20.68	20.59			
15	16QAM	36	20	20.34	20.60	20.66			
15	16QAM	36	39	20.43	20.51	20.59	22	2	
15	16QAM	75	0	20.73	20.55	20.63			
15	64QAM	1	0	20.38	20.55	20.52			
15	64QAM	1	37	20.61	20.64	20.40			
15	64QAM	1	74	20.31	20.43	20.75	22	2	
15	64QAM	36	0	19.51	19.49	19.56			
15	64QAM	36	20	19.40	19.65	19.64			
15	64QAM	36	39	19.47	19.44	19.65			
15	64QAM	75	0	19.56	19.52	19.74	21	3	
15	256QAM	1	0	17.49	17.55	17.67			
15	256QAM	1	37	17.40	17.57	17.35			
15	256QAM	1	74	17.47	17.55	17.70			
15	256QAM	36	0	17.48	17.56	17.45	19	5	
15	256QAM	36	20	17.65	17.52	17.52			
15	256QAM	36	39	17.47	17.76	17.56			
15	256QAM	75	0	17.64	17.56	17.72			
Channel				133172	133272	133372	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				686	676	693			
10	QPSK	1	0	22.37	22.68	22.47	24	0	
10	QPSK	1	25	22.48	22.46	22.29			
10	QPSK	1	49	22.47	22.40	22.42			
10	QPSK	25	0	21.59	21.66	21.41			
10	QPSK	25	12	21.65	21.59	21.66	23	1	
10	QPSK	25	25	21.46	21.59	21.56			
10	QPSK	50	0	21.41	21.68	21.38			
10	16QAM	1	0	21.71	21.97	21.80			
10	16QAM	1	25	21.92	21.94	21.98	23	1	
10	16QAM	1	49	21.85	21.80	22.07			
10	16QAM	25	0	20.40	20.70	20.66			
10	16QAM	25	12	20.37	20.63	20.60			
10	16QAM	25	25	20.48	20.48	20.51	22	2	
10	16QAM	50	0	20.72	20.62	20.73			
10	64QAM	1	0	20.44	20.51	20.44			
10	64QAM	1	25	20.59	20.68	20.44			
10	64QAM	1	49	20.32	20.47	20.70	22	2	
10	64QAM	25	0	19.47	19.50	19.54			
10	64QAM	25	12	19.43	19.68	19.61			
10	64QAM	25	25	19.55	19.49	19.64			
10	64QAM	50	0	19.46	19.48	19.68	21	3	
10	256QAM	1	0	17.51	17.59	17.76			
10	256QAM	1	25	17.41	17.59	17.38			
10	256QAM	1	49	17.53	17.58	17.77			
10	256QAM	25	0	17.54	17.60	17.37	19	5	
10	256QAM	25	12	17.62	17.54	17.47			
10	256QAM	25	25	17.48	17.72	17.52			
10	256QAM	50	0	17.54	17.51	17.66			
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				695.5	675.5	695.5			
5	QPSK	1	0	22.45	22.69	22.51	24	0	
5	QPSK	1	12	22.47	22.52	22.32			
5	QPSK	1	24	22.48	22.41	22.51			
5	QPSK	12	0	21.61	21.63	21.39			
5	QPSK	12	7	21.64	21.57	21.57	23	1	
5	QPSK	12	13	21.56	21.52	21.61			
5	QPSK	25	0	21.39	21.61	21.45			
5	16QAM	1	0	21.78	21.92	21.81			
5	16QAM	1	12	21.86	21.99	21.91	23	1	
5	16QAM	1	24	21.83	21.78	22.06			
5	16QAM	12	0	20.48	20.67	20.59			
5	16QAM	12	7	20.37	20.64	20.58			
5	16QAM	12	13	20.42	20.48	20.62	22	2	
5	16QAM	25	0	20.76	20.59	20.86			
5	64QAM	1	0	20.43	20.51	20.47			
5	64QAM	1	12	20.57	20.64	20.44			
5	64QAM	1	24	20.38	20.46	20.80	21	3	
5	64QAM	12	0	19.49	19.56	19.47			
5	64QAM	12	7	19.41	19.66	19.62			
5	64QAM	12	13	19.47	19.49	19.69			
5	64QAM	25	0	19.56	19.54	19.69	19	5	
5	256QAM	1	0	17.48	17.55	17.68			
5	256QAM	1	12	17.44	17.55	17.40			
5	256QAM	1	24	17.49	17.49	17.73			
5	256QAM	12	0	17.53	17.60	17.37	19	5	
5	256QAM	12	7	17.56	17.48	17.43			
5	256QAM	12	13	17.51	17.68	17.56			
5	256QAM	25	0	17.73	17.54	17.68			

Band 41 Ant4												
BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Low Middle Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Middle Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel												
Frequency (MHz)												
20	QPSK	1	0	2510	2506	2549.5	2593	2636.5	2680	24	0	
20	QPSK	1	49	22.73	22.87	22.74	22.99	22.74	22.85			
20	QPSK	1	99	22.81	22.87	22.98	22.79	22.70	22.59			
20	QPSK	1	99	22.53	22.73	22.68	22.70	22.59	22.53			
20	QPSK	50	0	21.63	21.84	21.85	21.98	21.84	21.71	23	1	
20	QPSK	50	24	21.64	21.82	21.84	21.87	21.84	21.66			
20	QPSK	50	50	21.64	21.76	21.69	21.77	21.71	21.61			
20	QPSK	100	0	21.81	21.73	21.58	21.82	21.71	21.52			
20	16QAM	1	0	21.77	21.90	21.64	21.77	21.71	21.54	23	1	
20	16QAM	1	49	21.52	21.88	21.60	21.77	21.65	21.54			
20	16QAM	1	99	21.57	21.80	21.75	21.79	21.62	21.45			
20	16QAM	50	0	20.73	20.95	20.82	20.81	20.62	20.65			
20	16QAM	50	24	20.73	20.83	20.65	20.81	20.62	20.65	22	2	
20	16QAM	50	50	20.64	20.80	20.64	20.73	20.59	20.66			
20	16QAM	100	0	20.49	20.64	20.58	20.77	20.62	20.58			
20	64QAM	1	0	20.51	20.74	20.48	20.70	20.80	20.60			
20	64QAM	1	49	20.57	20.70	20.57	20.79	20.45	20.52	22	2	
20	64QAM	1	99	20.54	20.78	20.56	20.71	20.50	20.44			
20	64QAM	50	0	19.65	19.77	19.86	19.94	19.76	19.66			
20	64QAM	50	24	19.71	19.85	19.84	19.95	19.70	19.74			
20	64QAM	50	50	19.69	19.89	19.58	19.79	19.62	19.45	21	3	
20	64QAM	100	0	19.43	19.80	19.58	19.76	19.61	19.56			
20	256QAM	1	0	17.65	17.88	17.68	17.75	17.70	17.59			
20	256QAM	1	49	17.60	17.86	17.81	17.85	17.70	17.51			
20	256QAM	1	99	17.64	17.63	17.67	17.81	17.61	17.50	19	5	
20	256QAM	50	0	17.69	17.82	17.75	17.88	17.79	17.67			
20	256QAM	50	24	17.54	17.96	17.58	17.75	17.74	17.56			
20	256QAM	50	50	17.62	17.77	17.76	17.68	17.61	17.61			
20	256QAM	100	0	17.57	17.69	17.78	17.73	17.63	17.54		19	5
20	256QAM	100	0	17.52	17.65	17.73	17.67	17.60	17.50			
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.85	22.80	22.61	22.87	22.62	22.69	24	0	
15	QPSK	1	37	22.60	22.82	22.83	22.79	22.55	22.48			
15	QPSK	1	74	22.56	22.87	22.68	22.71	22.62	22.49			
15	QPSK	36	0	21.50	21.71	21.77	21.91	21.67	21.68			
15	QPSK	36	20	21.52	21.83	21.68	21.81	21.64	21.67	23	1	
15	QPSK	36	39	21.58	21.79	21.62	21.72	21.74	21.56			
15	QPSK	75	0	21.68	21.65	21.50	21.79	21.63	21.51			
15	16QAM	1	0	21.79	21.91	21.52	21.75	21.72	21.48			
15	16QAM	1	37	21.52	21.87	21.64	21.71	21.50	21.48	23	1	
15	16QAM	1	74	21.43	21.72	21.78	21.69	21.48	21.41			
15	16QAM	36	0	20.62	20.95	20.55	20.62	20.62	20.55			
15	16QAM	36	20	20.75	20.71	20.62	20.72	20.58	20.66			
15	16QAM	36	39	20.85	20.66	20.58	20.63	20.57	20.58	22	2	
15	16QAM	75	0	20.44	20.80	20.57	20.75	20.58	20.58			
15	64QAM	1	0	20.64	20.74	20.39	20.70	20.53	20.47			
15	64QAM	1	37	20.60	20.63	20.45	20.77	20.32	20.56			
15	64QAM	1	74	20.54	20.72	20.51	20.63	20.49	20.42	22	2	
15	64QAM	36	0	19.66	19.68	19.75	19.79	19.78	19.61			
15	64QAM	36	20	19.74	19.72	19.55	19.92	19.72	19.65			
15	64QAM	36	39	19.70	19.84	19.45	19.68	19.56	19.49			
15	64QAM	75	0	19.48	19.82	19.48	19.79	19.54	19.53	21	3	
15	256QAM	1	0	17.63	17.82	17.57	17.75	17.60	17.46			
15	256QAM	1	37	17.45	17.74	17.52	17.85	17.59	17.53			
15	256QAM	1	74	17.55	17.57	17.62	17.79	17.52	17.51			
15	256QAM	36	0	17.61	17.68	17.65	17.73	17.79	17.67	19	5	
15	256QAM	36	20	17.55	17.56	17.60	17.77	17.71	17.48			
15	256QAM	36	39	17.54	17.68	17.79	17.55	17.63	17.57			
15	256QAM	75	0	17.39	17.65	17.74	17.65	17.63	17.47			
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.76	22.89	22.77	22.76	22.69	22.54	24	0	
10	QPSK	1	25	22.51	22.85	22.57	22.65	22.74	22.54			
10	QPSK	1	49	22.53	22.63	22.71	22.71	22.50	22.46			
10	QPSK	25	0	21.63	21.71	21.67	21.62	21.57	21.57			
10	QPSK	25	12	21.52	21.87	21.58	21.83	21.60	21.69	23	1	
10	QPSK	25	25	21.49	21.69	21.55	21.76	21.70	21.49			
10	QPSK	50	0	21.72	21.67	21.57	21.71	21.56	21.52			
10	16QAM	1	0	21.70	21.83	21.51	21.76	21.74	21.40			
10	16QAM	1	25	21.45	21.82	21.58	21.78	21.42	21.47	23	1	
10	16QAM	1	49	21.44	21.79	21.62	21.65	21.56	21.39			
10	16QAM	25	0	20.78	20.80	20.60	20.78	20.70	20.51			
10	16QAM	25	12	20.72	20.69	20.64	20.82	20.51	20.64			
10	16QAM	25	25	20.66	20.77	20.65	20.84	20.59	20.58	22	2	
10	16QAM	50	0	20.43	20.64	20.49	20.73	20.66	20.45			
10	64QAM	1	0	20.50	20.75	20.38	20.70	20.47	20.57			
10	64QAM	1	25	20.61	20.58	20.56	20.65	20.46	20.45			
10	64QAM	1	49	20.40	20.76	20.60	20.66	20.54	20.34	22	2	
10	64QAM	25	0	19.62	19.80	19.74	19.82	19.66	19.69			
10	64QAM	25	12	19.57	19.71	19.59	19.87	19.59	19.71			
10	64QAM	25	25	19.62	19.83	19.58	19.74	19.50	19.49			
10	64QAM	50	0	19.44	19.74	19.54	19.77	19.47	19.52	19	5	
10	256QAM	1	0	17.57	17.76	17.66	17.78	17.72	17.57			
10	256QAM	1	25	17.64	17.78	17.47	17.84	17.68	17.54			
10	256QAM	1	49	17.57	17.64	17.68	17.68	17.52	17.55			
10	256QAM	25	0	17.56	17.71	17.76	17.82	17.66	17.63	19	5	
10	256QAM	25	12	17.56	17.65	17.50	17.71	17.61	17.59			
10	256QAM	25	25	17.66	17.74	17.81	17.68	17.51	17.55			
10	256QAM	50	0	17.56	17.69	17.77	17.78	17.65	17.57			
Channel												
Frequency (MHz)												
5	QPSK	1	0	2502.5	2498.5	2545.5	2593	2640.30	2687.5	24	0	
5	QPSK	1	12	22.70	22.76	22.61	22.88	22.74	22.54			
5	QPSK	1	24	22.48	22.71	22.59	22.62	22.53	22.54			
5	QPSK	12	0	21.61	21.73	21.86	21.84	21.65	21.75			
5	QPSK	12	7	21.58	21.78	21.53	21.91	21.65	21.58	23	1	
5	QPSK	12	13	21.55	21.75	21.60	21.72	21.66	21.51			
5	QPSK	25	0	21.85	21.64	21.60	21.69	21.61	21.43			
5	16QAM	1	0	21.67	21.89	21.57	21.63	21.81	21.48			
5	16QAM	1	12	21.47	21.78	21.47	21.62	21.53	21.47	23	1	
5	16QAM	1	24	21.58	21.75	21.69	21.61	21.66	21.41			
5	16QAM	12	0	20.60	20.98	20.58	20.60	20.71	20.59			
5	16QAM	12	7	20.70	20.86	20.62	20.71	20.57	20.52			
5	16QAM	12	13	20.53	20.65	20.49	20.77	20.61	20.66	22	2	
5	16QAM	25	0	20.37	20.56	20.62	20.74	20.61				
5	64QAM	1	0	20.64	20.62	20.34	20.72	20.45	20.45	22	2	
5	64QAM	1	12	20.57	20.70	20.54	20.79	20.45	20.42			
5	64QAM	1	24	20.43	20.74	20.47	20.61	20.44	20.39			
5	64QAM	12	0	19.56	19.84	19.78	19.73	19.76	19.57			
5	64QAM	12	7	19.70	19.74	19.68	19.76	19.75	19.73	21	3	
5	64QAM	12	13	19.72	19.76	19.52	19.75	19.75	19.54			
5	64QAM	25	0	19.54	19.82	19.60	19.79	19.67	19.48			
5	256QAM	1	0	17.63	17.86	17.63	17.71	17.68	17.51			
5	256QAM	12	0	17.48	17.71	17.60	17.81	17.65	17.47	19	5	
5	256QAM	1	24	17.39	17.57	17.60	17.82	17.58	17.45			
5	256QAM	12	0	17.71	17.77	17.77	17.76	17.70	17.67			
5	256QAM	12	7	17.57	17.84	17.52	17.84	17.75	17.47			
5	256QAM	12	13	17.62	17.78	17.62	17.84	17.57	17.49			
5	256QAM	25	0	17.47	17.67	17.74	17.79	17.49	17.58			

Reduced Power Mode for ECI 2

Ant 0								
GSM850 Ant0			Burst Average Power (dbm)		Frame-Average Power (dbm)		Tune-up	
TX Channel	128	189	251	Limit (dbm)	128	189	251	Limit (dbm)
Frequency (MHz)	824.2	836.4	848.6	(dbm)	824.2	836.4	848.6	(dbm)
GPRS 4 Tx slots	27.21	27.22	27.06	28.50	24.21	24.22	24.08	25.50

Band				WCDMA V Ant0		Tune-up Limit (dBm)
TX Channel	4132	4182	4233	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	
Rx Channel	4307	4407	4458	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)
Frequency (MHz)	824.4	837.4	847.6	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)
3GPP Rel 9	22.51	22.53	22.58	24.00		

Ant 1									
GSM1900 Ant1		Burst Average Power (dbm)			Frame Average Power (dbm)			Tune-up Limit (dbm)	
TX Channel		512	661	810	Tune-up Limit (dbm)	512	661	810	Tune-up Limit (dbm)
Frequency (MHz)		1650.2	1680	1699.8		1650.2	1680	1699.8	
GPRS 3 Tx slots		25.28	25.33	25.26	26.50	21.02	21.07	21.00	22.24

Band				WCDMA U Ant1		Tune-up Limit (dBm)
TX Channel	9262	9400	9538	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	
Rx Channel	9662	9800	9938	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)
Frequency (MHz)	1822.4	1852.4	1877.6	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)
3GPP Rel 9	22.57	22.65	22.59	24.00		

Band 5 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				20460	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.53	22.53	22.51	24	0
10	QPSK	25	0	21.55	21.58	21.58	23	1
10	QPSK	50	0	21.36	21.61	21.32		

Band 2 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	22.69	22.79	22.61	24	0
20	QPSK	50	0	21.85	21.87	21.72	23	1
20	QPSK	100	0	21.79	21.84	21.63		

Band 2 Ant4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	18.69	18.73	18.64	19.5	0
20	QPSK	50	0	18.38	18.56	18.37	19.5	0
20	QPSK	100	0	18.25	18.44	18.10		

Band 26 for FCC Ant4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	21.98	22.14	22.03	23	0
15	QPSK	36	0	21.53	21.58	21.57	23	0
15	QPSK	75	0	21.05	21.30	21.09		

Band 42 FCC Part27Q Ant5								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				42180	42580	42980		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	16.90	17.73	18.90	18.1	0
20	QPSK	50	0	16.81	16.98	16.94	18.1	0
20	QPSK	100	0	16.73	16.81	16.71		

Band 26 for FCC Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.53	22.54	22.43	23	0
15	QPSK	36	0	21.48	21.53	21.48	23	1
15	QPSK	75	0	21.56	21.61	21.36		

Band 7 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				20800	21100	21500		
Frequency (MHz)				2010	2035	2060		
20	QPSK	1	0	22.68	22.72	22.70	24	0
20	QPSK	50	0	21.73	21.86	21.69	23	1
20	QPSK	100	0	21.71	21.82	21.52		

Band 5 Ant4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				20460	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	21.78	22.59	21.53	23.6	0
10	QPSK	25	0	21.53	21.59	21.43	23	0.6
10	QPSK	50	0	21.51	21.62	21.39		

Band 38 Ant4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK		0	21.09	21.28	21.23	22.5	0
20	QPSK	50	0	21.00	21.18	21.06	22.5	0
20	QPSK	100	0	20.90	21.00	20.84		

Band 38 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)				2506	2506	2510		
20	QPSK	1	0	22.90	22.93	22.73	24	0
20	QPSK	50	0	21.89	21.97	21.70	23	1
20	QPSK	100	0	21.82	21.85	21.68		

Band 7 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel				20800	21100	21500		
Frequency (MHz)				2010	2035	2060		
20	QPSK	1	0	18.63	18.78	18.77	19.5	0
20	QPSK	50	0	18.53	18.68	18.66	19.5	0
20	QPSK	100	0	18.51	18.68	18.27		

Band 71											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				133222	133322	133372					
Frequency (MHz)				673	685	688					
20	QPSK	1	0	22.63	22.82	22.66	24	0			
20	QPSK	1	49	22.70	22.69	22.57					
20	QPSK	1	99	22.69	22.63	22.65					
20	QPSK	50	0	21.81	21.87	21.68					
20	QPSK	50	24	21.76	21.80	21.79	23	1			
20	QPSK	50	50	21.75	21.77	21.78					
20	QPSK	100	0	21.70	21.75	21.65					
20	16QAM	1	0	21.97	22.12	22.05					
20	16QAM	1	49	22.09	22.15	22.21	23	1			
20	16QAM	1	99	21.99	22.02	22.11					
20	16QAM	50	0	20.85	20.85	20.77					
20	16QAM	50	24	20.56	20.79	20.74					
20	16QAM	50	50	20.85	20.71	20.77	22	2			
20	16QAM	100	0	20.89	20.82	20.84					
20	64QAM	1	0	20.53	20.71	20.66					
20	64QAM	1	49	20.76	20.88	20.55					
20	64QAM	1	99	20.53	20.72	20.93	22	2			
20	64QAM	50	0	19.70	19.75	19.76					
20	64QAM	50	24	19.61	19.90	19.87					
20	64QAM	50	50	19.74	19.67	19.85					
20	64QAM	100	0	19.78	19.69	19.93	21	3			
20	256QAM	1	0	17.72	17.84	17.88					
20	256QAM	1	49	17.65	17.74	17.55					
20	256QAM	1	99	17.66	17.73	17.91					
20	256QAM	50	0	17.68	17.81	17.64	19	5			
20	256QAM	50	24	17.81	17.69	17.72					
20	256QAM	50	50	17.71	17.86	17.69					
20	256QAM	100	0	17.88	17.70	17.90					
Channel				133197	133297	133359	Tune-up limit (dBm) MPR (dB)				
Frequency (MHz)				670.5	680.5	690.5					
15	QPSK	1	0	22.48	22.73	22.52	24	0			
15	QPSK	1	37	22.55	22.62	22.49					
15	QPSK	1	74	22.52	22.52	22.60					
15	QPSK	36	0	21.65	21.82	21.60					
15	QPSK	36	20	21.64	21.67	21.74	23	1			
15	QPSK	36	39	21.65	21.70	21.71					
15	QPSK	75	0	21.62	21.63	21.50					
15	16QAM	1	0	21.86	22.04	21.99					
15	16QAM	1	37	21.97	22.04	21.99	23	1			
15	16QAM	1	74	21.95	21.88	22.08					
15	16QAM	36	0	20.80	20.77	20.69					
15	16QAM	36	20	20.48	20.72	20.69					
15	16QAM	36	39	20.49	20.59	20.73	22	2			
15	16QAM	75	0	20.73	20.70	20.76					
15	64QAM	1	0	20.45	20.62	20.55					
15	64QAM	1	37	20.89	20.78	20.44					
15	64QAM	1	74	20.46	20.65	20.65	22	2			
15	64QAM	36	0	19.61	19.64	19.69					
15	64QAM	36	20	19.47	19.78	19.78					
15	64QAM	36	39	19.63	19.52	19.73					
15	64QAM	75	0	19.68	19.55	19.86	21	3			
15	256QAM	1	0	17.62	17.70	17.75					
15	256QAM	1	37	17.60	17.64	17.30					
15	256QAM	1	74	17.60	17.60	17.87					
15	256QAM	36	0	17.55	17.76	17.51	19	5			
15	256QAM	36	20	17.67	17.60	17.59					
15	256QAM	36	39	17.59	17.81	17.61					
15	256QAM	75	0	17.76	17.59	17.77					
Channel				133172	133272	133422	Tune-up limit (dBm) MPR (dB)				
Frequency (MHz)				668	678	693					
10	QPSK	1	0	22.53	22.71	22.61	24	0			
10	QPSK	1	25	22.58	22.57	22.52					
10	QPSK	1	49	22.48	22.53	22.52					
10	QPSK	25	0	21.75	21.82	21.62					
10	QPSK	25	12	21.69	21.66	21.74	23	1			
10	QPSK	25	25	21.81	21.69	21.65					
10	QPSK	50	0	21.59	21.67	21.61					
10	16QAM	1	0	21.83	22.01	21.92					
10	16QAM	1	25	22.03	22.02	22.08	23	1			
10	16QAM	1	49	21.89	21.97	22.06					
10	16QAM	25	0	20.61	20.76	20.66					
10	16QAM	25	12	20.46	20.64	20.66					
10	16QAM	25	25	20.51	20.57	20.66	22	2			
10	16QAM	50	0	20.76	20.75	20.72					
10	64QAM	1	0	20.43	20.63	20.54					
10	64QAM	1	25	20.62	20.76	20.49					
10	64QAM	1	49	20.44	20.58	20.63	22	2			
10	64QAM	25	0	19.63	19.68	19.60					
10	64QAM	25	12	19.55	19.81	19.62					
10	64QAM	25	25	19.60	19.54	19.75					
10	64QAM	50	0	19.72	19.54	19.62	21	3			
10	256QAM	1	0	17.62	17.77	17.74					
10	256QAM	1	25	17.57	17.69	17.49					
10	256QAM	1	49	17.50	17.62	17.83					
10	256QAM	25	0	17.58	17.65	17.51	19	5			
10	256QAM	25	12	17.73	17.55	17.62					
10	256QAM	25	25	17.64	17.79	17.65					
10	256QAM	50	0	17.83	17.65	17.77					
Channel				133147	133247	133447	Tune-up limit (dBm) MPR (dB)				
Frequency (MHz)				665.5	675.5	695.5					
5	QPSK	1	0	22.56	22.69	22.57	24	0			
5	QPSK	1	12	22.55	22.55	22.47					
5	QPSK	1	24	22.46	22.50	22.58					
5	QPSK	12	0	21.77	21.73	21.58					
5	QPSK	12	7	21.72	21.73	21.75	23	1			
5	QPSK	12	13	21.69	21.64	21.63					
5	QPSK	25	0	21.55	21.65	21.60					
5	16QAM	1	0	21.81	22.08	21.96					
5	16QAM	1	12	22.01	22.04	22.02	23	1			
5	16QAM	1	24	21.90	21.96	22.09					
5	16QAM	12	0	20.56	20.78	20.64					
5	16QAM	12	7	20.41	20.70	20.60					
5	16QAM	12	13	20.51	20.50	20.66	22	2			
5	16QAM	25	0	20.84	20.77	20.75					
5	64QAM	1	0	20.46	20.67	20.53					
5	64QAM	1	12	20.68	20.64	20.48					
5	64QAM	1	24	20.46	20.59	20.84	22	2			
5	64QAM	12	0	19.60	19.68	19.71					
5	64QAM	12	7	19.55	19.60	19.80					
5	64QAM	12	13	19.64	19.56	19.77					
5	256QAM	25	0	19.69	19.65	19.85	21	3			
5	256QAM	1	0	17.61	17.79	17.77					
5	256QAM	1	12	17.60	17.69	17.47					
5	256QAM	1	24	17.60	17.69	17.85					
5	256QAM	12	0	17.54	17.76	17.54	19	5			
5	256QAM	12	7	17.67	17.62	17.67					
5	256QAM	12	13	17.58	17.71	17.61					
5	256QAM	25	0	17.73	17.64	17.84					

Band 41 Ant1												
BW (MHz)	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel												
Frequency (MHz)	39790	39750	40185	40620	41005	41490						
20	QPSK	1	0	22.69	22.74	22.63	22.93	22.68	22.63			
20	QPSK	1	49	22.49	22.79	22.47	22.89	22.68	22.49	24	0	
20	QPSK	1	99	22.43	22.70	22.65	22.64	22.49	22.48			
20	QPSK	50	0	21.60	21.79	21.78	21.82	21.62	21.69			
20	QPSK	50	24	21.52	21.76	21.50	21.85	21.54	21.57	23	1	
20	QPSK	50	50	21.56	21.67	21.64	21.67	21.59	21.58			
20	QPSK	100	0	21.74	21.68	21.47	21.77	21.70	21.48			
20	16QAM	1	0	21.69	21.79	21.55	21.74	21.69	21.47			
20	16QAM	1	49	21.43	21.83	21.57	21.62	21.57	21.45	23	1	
20	16QAM	1	99	21.55	21.78	21.64	21.66	21.56	21.33			
20	16QAM	50	0	20.68	20.86	20.56	20.70	20.63	20.54			
20	16QAM	50	24	20.70	20.73	20.57	20.75	20.59	20.59			
20	16QAM	50	50	20.62	20.70	20.53	20.68	20.48	20.60	22	2	
20	16QAM	100	0	20.42	20.56	20.56	20.71	20.61	20.54			
20	64QAM	1	0	20.59	20.72	20.43	20.62	20.55	20.51			
20	64QAM	1	49	20.51	20.63	20.54	20.72	20.41	20.49	22	2	
20	64QAM	1	99	20.47	20.65	20.45	20.70	20.41	20.43			
20	64QAM	50	0	19.58	19.68	19.76	19.82	19.65	19.64			
20	64QAM	50	24	19.62	19.84	19.88	19.60	19.60	19.65			
20	64QAM	50	50	19.65	19.87	19.56	19.70	19.54	19.44	21	3	
20	64QAM	100	0	19.31	19.73	19.52	19.72	19.48	19.51			
20	256QAM	1	0	17.52	17.86	17.59	17.64	17.65	17.57			
20	256QAM	1	49	17.67	17.47	17.53	17.61	17.66	17.48	19	5	
20	256QAM	1	99	17.49	17.52	17.60	17.68	17.58	17.45			
20	256QAM	50	0	17.66	17.73	17.70	17.79	17.72	17.59			
20	256QAM	50	24	17.51	17.91	17.48	17.63	17.63	17.48			
20	256QAM	50	50	17.56	17.72	17.71	17.62	17.59	17.50			
20	256QAM	100	0	17.39	17.58	17.66	17.72	17.51	17.51			
Channel												
Frequency (MHz)	39765	39725	40173	40620	41006	41515				Tune-up limit (dbm)	MPR (db)	
15	QPSK	1	0	22.67	22.75	22.63	22.93	22.64	22.65			
15	QPSK	1	37	22.52	22.80	22.60	22.72	22.54	22.47	24	0	
15	QPSK	1	74	22.57	22.64	22.72	22.68	22.56	22.47			
15	QPSK	36	0	21.45	21.70	21.73	21.84	21.61	21.62			
15	QPSK	36	20	21.53	21.82	21.69	21.79	21.68	21.65	23	1	
15	QPSK	36	39	21.52	21.80	21.65	21.76	21.67	21.50			
15	QPSK	75	0	21.73	21.59	21.47	21.62	21.59	21.49			
15	16QAM	1	0	21.60	21.70	21.53	21.75	21.62	21.49			
15	16QAM	1	37	21.49	21.87	21.58	21.63	21.44	21.48	23	1	
15	16QAM	1	74	21.49	21.67	21.74	21.63	21.46	21.45			
15	16QAM	36	0	20.63	20.92	20.50	20.62	20.58	20.49			
15	16QAM	36	20	20.67	20.74	20.54	20.66	20.50	20.49			
15	16QAM	36	39	20.67	20.68	20.51	20.60	20.56	20.53	22	2	
15	16QAM	75	0	20.40	20.58	20.59	20.69	20.56	20.55			
15	16QAM	1	0	20.65	20.78	20.56	20.71	20.55	20.44			
15	64QAM	1	0	20.62	20.59	20.48	20.61	20.51	20.49	22	2	
15	64QAM	1	74	20.51	20.75	20.48	20.55	20.52	20.41			
15	64QAM	36	0	19.70	19.68	19.72	19.77	19.76	19.64			
15	64QAM	36	20	19.74	19.85	19.76	19.83	19.61		21	3	
15	64QAM	36	39	19.67	19.78	19.49	19.65	19.69				
15	64QAM	75	0	19.43	19.64	19.50	19.72	19.57	19.51			
15	256QAM	1	0	17.63	17.81	17.59	17.70	17.63	17.49			
15	256QAM	1	37	17.59	17.67	17.68	17.68	17.68	17.49	19	5	
15	256QAM	1	74	17.51	17.58	17.64	17.76	17.53	17.48			
15	256QAM	36	0	17.55	17.64	17.57	17.67	17.79	17.69			
15	256QAM	36	20	17.55	17.80	17.58	17.81	17.69	17.46			
15	256QAM	36	39	17.61	17.63	17.78	17.63	17.43		19	5	
15	256QAM	75	0	17.42	17.58	17.70	17.59	17.60	17.41			
Channel												
Frequency (MHz)	39760	39700	40160	40620	41080	41540				Tune-up limit (dbm)	MPR (db)	
10	QPSK	1	0	22.72	22.84	22.77	22.74	22.69	22.54			
10	QPSK	1	25	22.52	22.80	22.56	22.63	22.73	22.50	24	0	
10	QPSK	1	49	22.49	22.58	22.67	22.72	22.46	22.46			
10	QPSK	25	0	21.59	21.68	21.85	21.91	21.55	21.58			
10	QPSK	25	12	21.52	21.83	21.54	21.81	21.58	21.47	23	1	
10	QPSK	25	25	21.47	21.69	21.54	21.76	21.67	21.45			
10	QPSK	50	0	21.73	21.68	21.53	21.66	21.54	21.48			
10	16QAM	1	0	21.70	21.62	21.51	21.75	21.70	21.36	23	1	
10	16QAM	1	25	21.41	21.78	21.59	21.66	21.45	21.47			
10	16QAM	1	49	21.42	21.79	21.59	21.65	21.53	21.37			
10	16QAM	25	0	20.74	20.80	20.58	20.74	20.66	20.47			
10	16QAM	25	12	20.67	20.66	20.50	20.62	20.48	20.42	22	2	
10	16QAM	25	25	20.62	20.78	20.63	20.62	20.60	20.54			
10	16QAM	50	0	20.39	20.61	20.46	20.72	20.64	20.42			
10	64QAM	1	0	20.47	20.78	20.35	20.65	20.47	20.52			
10	64QAM	1	25	20.58	20.59	20.53	20.65	20.41	20.41	22	2	
10	64QAM	1	49	20.36	20.72	20.57	20.68	20.49	20.29			
10	64QAM	25	0	19.48	19.81	19.70	19.80	19.62	19.67			
10	64QAM	25	12	19.55	19.71	19.58	19.67	19.55	19.70			
10	64QAM	25	25	19.60	19.78	19.55	19.74	19.46	19.50			
10	64QAM	50	0	19.41	19.69	19.55	19.77	19.45	19.48			
10	256QAM	1	0	17.52	17.74	17.65	17.79	17.72	17.56			
10	256QAM	1	25	17.64	17.74	17.43	17.84	17.66	17.50	19	5	
10	256QAM	1	49	17.54	17.63	17.68	17.67	17.49	17.54			
10	256QAM	25	0	17.55	17.69	17.72	17.71	17.63	17.61			
10	256QAM	25	12	17.54	17.92	17.50	17.70	17.58	17.57			
10	256QAM	25	25	17.66	17.74	17.79	17.68	17.51	17.55	19	5	
10	256QAM	50	0	17.55	17.68	17.77	17.73	17.60	17.56			
Channel												
Frequency (MHz)	39715	39675	40148	40620	41080	41506				Tune-up limit (dbm)	MPR (db)	
5	QPSK	1	0	22.66	22.77	22.54	22.86	22.74	22.54			
5	QPSK	1	12	22.55	22.84	22.47	22.63	22.58	22.45	24	0	
5	QPSK	1	24	22.48	22.72	22.59	22.61	22.52	22.54			
5	QPSK	12	0	21.60	21.68	21.88	21.83	21.64	21.74			
5	QPSK	12	7	21.54	21.74	21.53	21.91	21.65	21.56	23	1	
5	QPSK	12	13	21.55	21.73	21.57	21.69	21.61	21.51			
5	QPSK	25	0	21.61	21.63	21.59	21.67	21.60	21.39			
5	16QAM	1	0	21.65	21.87	21.55	21.59	21.60	21.47	23	1	
5	16QAM	1	12	21.43	21.78	21.48	21.57	21.48	21.44			
5	16QAM	1	24	21.57	21.71	21.68	21.59	21.67	21.46			
5	16QAM	12	0	20.60	20.94	20.58	20.77	20.69	20.55			
5	16QAM	12	7	20.68	20.86	20.57	20.71	20.57	20.51	22	2	
5	16QAM	12	13	20.50	20.63	20.46	20.77	20.56	20.51			
5	16QAM	25	0	20.34	20.54	20.58	20.73	20.58	20.42			
5	64QAM	1	0	20.61	20.61	20.52	20.70	20.41	20.46			
5	64QAM	1	12	20.56	20.66	20.51	20.77	20.43	20.42	22	2	
5	64QAM	1	24	20.38	20.70	20.44	20.60	20.42	20.37			
5	64QAM	12	0	19.55	19.61	19.73	19.69	19.76	19.54			
5	64QAM	12	7	19.70	19.71	19.66	19.76	19.76	19.71	21	3	
5	64QAM	12	13	19.68	19.74	19.53	19.70	19.53	19.52			
5	64QAM	25	0	19.54	19.79	19.60	19.75	19.53	19.48			
5	256QAM	1	0	17.62	17.86	17.59	17.69	17.64	17.52			
5	256QAM	1	12	17.49	17.66	17.57						

Band 71											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				133222	133322	133372	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				673	683	688					
20	QPSK	1	0	22.50	22.75	22.57	24	0	1	23	
20	QPSK	1	49	22.59	22.59	22.44					
20	QPSK	1	99	22.52	22.52	22.56					
20	QPSK	50	0	21.88	21.78	21.55					
20	QPSK	50	24	21.71	21.69	21.73					
20	QPSK	50	50	21.61	21.67	21.66	23	1	1	23	
20	QPSK	100	0	21.54	21.75	21.51					
20	16QAM	1	0	21.86	22.05	21.96					
20	16QAM	1	49	22.01	22.06	22.05					
20	16QAM	1	99	21.90	21.98	22.15					
20	16QAM	50	0	20.55	20.80	20.70	22	2	2	22	
20	16QAM	50	24	20.44	20.72	20.67					
20	16QAM	50	50	20.56	20.61	20.66					
20	16QAM	100	0	20.34	20.65	20.76					
20	64QAM	1	0	20.48	20.64	20.57					
20	64QAM	1	49	20.69	20.74	20.48	22	2	2	22	
20	64QAM	1	99	20.43	20.57	20.85					
20	64QAM	50	0	19.56	19.61	19.63					
20	64QAM	50	24	19.48	19.77	19.73					
20	64QAM	50	50	19.62	19.59	19.76					
20	64QAM	100	0	19.62	19.58	19.81	21	3	3	21	
20	256QAM	1	0	17.62	17.69	17.82					
20	256QAM	1	49	17.55	17.64	17.47					
20	256QAM	1	99	17.57	17.63	17.84					
20	256QAM	50	0	17.60	17.69	17.50					
20	256QAM	50	24	17.69	17.58	17.57	19	5	5	19	
20	256QAM	50	50	17.62	17.81	17.64					
20	256QAM	100	0	17.79	17.64	17.81					
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				670.5	680.5	690.5					
15	QPSK	1	0	22.37	22.63	22.42	24	0	1	23	
15	QPSK	1	37	22.44	22.54	22.31					
15	QPSK	1	74	22.39	22.42	22.42					
15	QPSK	36	0	21.53	21.70	21.50					
15	QPSK	36	20	21.57	21.59	21.64					
15	QPSK	36	39	21.51	21.56	21.62	23	1	1	23	
15	QPSK	75	0	21.49	21.67	21.45					
15	16QAM	1	0	21.76	21.99	21.84					
15	16QAM	1	37	21.94	22.06	21.98					
15	16QAM	1	74	21.79	21.79	22.04					
15	16QAM	36	0	20.48	20.68	20.59	22	2	2	22	
15	16QAM	36	20	20.34	20.60	20.60					
15	16QAM	36	39	20.43	20.51	20.59					
15	16QAM	75	0	20.73	20.55	20.63					
15	64QAM	1	0	20.38	20.55	20.52					
15	64QAM	1	37	20.61	20.64	20.40	22	2	2	22	
15	64QAM	1	74	20.31	20.43	20.75					
15	64QAM	36	0	19.51	19.49	19.56					
15	64QAM	36	20	19.40	19.65	19.64					
15	64QAM	36	39	19.47	19.44	19.65					
15	64QAM	75	0	19.56	19.52	19.74	21	3	3	21	
15	256QAM	1	0	17.49	17.55	17.67					
15	256QAM	1	37	17.40	17.57	17.35					
15	256QAM	1	74	17.47	17.55	17.70					
15	256QAM	36	0	17.48	17.56	17.45					
15	256QAM	36	20	17.65	17.52	17.52	19	5	5	19	
15	256QAM	36	39	17.47	17.76	17.56					
15	256QAM	75	0	17.64	17.56	17.72					
Channel				133172	133272	133422	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				668	678	693					
10	QPSK	1	0	22.37	22.68	22.47	24	0	1	23	
10	QPSK	1	25	22.48	22.48	22.29					
10	QPSK	1	49	22.47	22.42	22.42					
10	QPSK	25	0	21.59	21.66	21.41					
10	QPSK	25	12	21.65	21.59	21.66					
10	QPSK	25	25	21.46	21.59	21.56	23	1	1	23	
10	QPSK	50	0	21.41	21.66	21.38					
10	16QAM	1	0	21.71	21.97	21.80					
10	16QAM	1	25	21.92	21.94	21.98					
10	16QAM	1	49	21.85	21.80	22.07					
10	16QAM	25	0	20.40	20.70	20.66	22	2	2	22	
10	16QAM	25	12	20.37	20.63	20.60					
10	16QAM	25	25	20.48	20.48	20.51					
10	16QAM	50	0	20.72	20.62	20.73					
10	64QAM	1	0	20.44	20.51	20.44					
10	64QAM	1	25	20.59	20.68	20.44	22	2	2	22	
10	64QAM	1	49	20.32	20.47	20.70					
10	64QAM	25	0	19.47	19.50	19.54					
10	64QAM	25	12	19.43	19.68	19.61					
10	64QAM	25	25	19.55	19.49	19.64					
10	64QAM	50	0	19.46	19.48	19.68	21	3	3	21	
10	256QAM	1	0	17.51	17.59	17.78					
10	256QAM	1	25	17.41	17.59	17.38					
10	256QAM	1	49	17.53	17.58	17.77					
10	256QAM	25	0	17.54	17.60	17.57					
10	256QAM	25	12	17.62	17.54	17.47	19	5	5	19	
10	256QAM	25	25	17.48	17.72	17.62					
10	256QAM	50	0	17.64	17.51	17.66					
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				665.5	675.5	695.5					
5	QPSK	1	0	22.45	22.69	22.51	24	0	1	23	
5	QPSK	1	12	22.47	22.52	22.32					
5	QPSK	1	24	22.48	22.41	22.51					
5	QPSK	12	0	21.61	21.63	21.39					
5	QPSK	12	7	21.64	21.57	21.57					
5	QPSK	12	13	21.66	21.52	21.61	23	1	1	23	
5	QPSK	25	0	21.39	21.61	21.45					
5	16QAM	1	0	21.78	21.92	21.81					
5	16QAM	1	12	21.86	21.99	21.91					
5	16QAM	1	24	21.83	21.76	22.00					
5	16QAM	12	0	20.48	20.67	20.59	22	2	2	22	
5	16QAM	12	7	20.37	20.64	20.58					
5	16QAM	12	13	20.42	20.49	20.62					
5	16QAM	25	0	20.76	20.59	20.66					
5	64QAM	1	0	20.43	20.51	20.47					
5	64QAM	1	12	20.57	20.64	20.44	22	2	2	22	
5	64QAM	1	24	20.38	20.46	20.60					
5	64QAM	12	0	19.49	19.56	19.47					
5	64QAM	12	7	19.41	19.66	19.62					
5	64QAM	12	13	19.47	19.49	19.69					
5	64QAM	25	0	19.56	19.54	19.69	21	3	3	21	
5	256QAM	1	0	17.48	17.60	17.68					
5	256QAM	1	12	17.44	17.55	17.40					
5	256QAM	1	24	17.49	17.49	17.73					

Band 41 Ant4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)				39750	40188	40620	41056	41490				
20	QPSK	1	0	21.15	21.06	21.24	21.18	21.01	21.8	0		
20	QPSK	1	49	20.98	21.19	21.19	21.15	21.04				
20	QPSK	1	99	20.98	21.13	21.08	21.01	20.91				
20	QPSK	50	0	20.98	20.94	21.03	20.96	20.91				
20	QPSK	60	24	20.81	20.91	20.96	20.92	20.82				
20	QPSK	50	50	20.87	20.99	21.00	20.84	20.80	21.8	0		
20	QPSK	100	0	20.88	20.78	20.93	20.78	20.61				
20	16QAM	1	0	20.95	20.92	20.97	20.98	20.97				
20	16QAM	1	49	20.75	20.95	20.97	20.95	20.82				
20	16QAM	1	99	20.72	20.77	20.81	20.84	20.77				
20	16QAM	50	0	20.90	20.46	20.77	20.53	20.46	21.8	0		
20	16QAM	50	24	20.71	20.50	20.71	20.44	20.58				
20	16QAM	50	50	20.60	20.53	20.61	20.47	20.56				
20	16QAM	100	0	20.55	20.48	20.70	20.51	20.41				
20	64QAM	1	0	20.63	20.31	20.56	20.45	20.51				
20	64QAM	1	49	20.57	20.45	20.71	20.28	20.45	21.8	0		
20	64QAM	1	99	20.66	20.49	20.66	20.37	20.29				
20	64QAM	50	0	19.63	19.76	19.82	19.67	19.61				
20	64QAM	50	24	19.75	19.47	19.67	19.51	19.67				
20	64QAM	50	50	19.85	19.49	19.62	19.56	19.41				
20	256QAM	100	0	19.67	19.51	19.62	19.46	19.38	19	2.8		
20	256QAM	1	0	17.82	17.59	17.61	17.52	17.45				
20	256QAM	1	49	17.84	17.46	17.50	17.50	17.40				
20	256QAM	1	99	17.49	17.60	17.68	17.47	17.42				
20	256QAM	50	0	17.68	17.66	17.71	17.70	17.57				
20	256QAM	50	24	17.85	17.49	17.67	17.67	17.40	19	2.8		
20	256QAM	50	50	17.65	17.70	17.55	17.49	17.54				
20	256QAM	100	0	17.60	17.64	17.62	17.44	17.37				
Channel Frequency (MHz)				39725	40174	40620	41066	41515				
15	QPSK	1	0	21.02	20.90	21.12	21.12	20.97	22	0		
15	QPSK	1	37	20.91	20.99	21.03	21.01	20.94				
15	QPSK	1	74	20.90	21.01	21.10	20.99	20.82				
15	QPSK	36	0	20.86	20.92	20.98	20.84	20.89				
15	QPSK	36	20	20.67	20.87	20.88	20.91	20.73				
15	QPSK	36	39	20.59	20.81	20.94	20.81	20.81	21.8	0		
15	QPSK	75	0	20.83	20.64	20.78	20.74	20.54				
15	16QAM	1	0	20.94	20.61	20.95	20.45	20.75				
15	16QAM	1	37	20.61	20.87	20.75	20.85	20.68				
15	16QAM	1	74	20.59	20.71	20.75	20.80	20.68				
15	16QAM	36	0	20.85	20.47	20.79	20.52	20.46	21.8	0		
15	16QAM	36	20	20.52	20.54	20.61	20.49	20.58				
15	16QAM	36	39	20.58	20.52	20.48	20.40	20.53				
15	16QAM	75	0	20.51	20.49	20.66	20.47	20.49				
15	64QAM	1	0	20.60	20.32	20.65	20.35	20.43				
15	64QAM	1	37	20.32	20.36	20.63	20.22	20.49	21.8	0		
15	64QAM	1	74	20.63	20.39	20.54	20.33	20.23				
15	64QAM	36	0	19.51	19.70	19.63	19.66	19.56				
15	64QAM	36	20	19.56	19.39	19.63	19.61	19.40				
15	64QAM	36	39	19.69	19.33	19.56	19.52	19.39				
15	256QAM	1	0	17.72	17.52	17.66	17.50	17.31	19	2.8		
15	256QAM	1	37	17.68	17.43	17.57	17.52	17.44				
15	256QAM	1	74	17.53	17.58	17.65	17.46	17.36				
15	256QAM	36	0	17.56	17.50	17.58	17.65	17.62				
15	256QAM	36	20	17.88	17.54	17.62	17.61	17.46				
15	256QAM	36	39	17.68	17.44	17.56	17.44	17.36	19	2.8		
15	256QAM	75	0	17.51	17.60	17.55	17.55	17.42				
Channel Frequency (MHz)				40051	40500	40950	41395	41845				
10	QPSK	1	0	20.93	21.02	21.06	20.99	20.97			22	0
10	QPSK	1	25	20.93	21.04	21.10	21.03	20.87				
10	QPSK	1	49	20.90	20.93	20.88	20.95	20.87				
10	QPSK	25	0	20.90	20.87	20.94	20.93	20.82				
10	QPSK	25	12	20.82	20.71	20.93	20.89	20.74				
10	QPSK	25	25	20.65	20.88	20.86	20.71	20.74	21.8	0		
10	QPSK	50	0	20.69	20.70	20.80	20.70	20.56				
10	16QAM	1	0	20.81	20.86	20.93	20.83	20.93				
10	16QAM	1	25	20.80	20.83	20.83	20.89	20.78				
10	16QAM	1	49	20.57	20.85	20.75	20.77	20.79				
10	16QAM	25	0	20.69	20.54	20.69	20.67	20.43	21.8	0		
10	16QAM	25	12	20.50	20.51	20.76	20.36	20.58				
10	16QAM	25	25	20.67	20.55	20.53	20.42	20.47				
10	16QAM	50	0	20.51	20.38	20.61	20.54	20.40				
10	64QAM	1	0	20.58	20.39	20.55	20.39	20.48				
10	64QAM	1	25	20.52	20.49	20.55	20.31	20.35	21.8	0		
10	64QAM	1	49	20.74	20.50	20.55	20.49	20.29				
10	64QAM	25	0	19.71	19.58	19.65	19.59	19.52				
10	64QAM	25	12	19.58	19.51	19.77	19.55	19.57				
10	64QAM	25	25	19.71	19.35	19.65	19.38	19.40				
10	256QAM	1	0	17.64	17.49	17.66	17.67	17.46	19	2.8		
10	256QAM	1	25	17.74	17.29	17.71	17.51	17.38				
10	256QAM	1	49	17.56	17.58	17.60	17.35	17.38				
10	256QAM	25	0	17.66	17.71	17.78	17.52	17.50				
10	256QAM	25	12	17.87	17.39	17.60	17.50	17.52				
10	256QAM	25	25	17.67	17.71	17.60	17.46	17.42	19	2.8		
10	256QAM	50	0	17.61	17.75	17.67	17.55	17.43				
Channel Frequency (MHz)				40026	40474	40920	41365	41815				
5	QPSK	1	0	21.06	20.92	21.17	21.00	20.94	22	0		
5	QPSK	1	12	20.93	21.05	21.12	21.17	20.93				
5	QPSK	1	24	20.80	21.05	20.91	20.93	20.86				
5	QPSK	12	0	20.89	20.82	20.95	20.93	20.87				
5	QPSK	12	7	20.76	20.98	20.97	20.83	20.73				
5	QPSK	12	13	20.76	20.86	20.87	20.80	20.73	21.8	0		
5	QPSK	25	0	20.77	20.59	20.89	20.76	20.53				
5	16QAM	1	0	20.91	20.78	20.86	20.88	20.89				
5	16QAM	1	12	20.64	20.98	20.85	20.82	20.80				
5	16QAM	1	24	20.59	20.67	20.84	20.72	20.75	21.8	0		
5	16QAM	12	0	20.89	20.46	20.70	20.57	20.45				
5	16QAM	12	7	20.76	20.53	20.61	20.48	20.43				
5	16QAM	12	13	20.48	20.45	20.68	20.53	20.53				
5	16QAM	25	0	20.53	20.27	20.55	20.44	20.50				
5	64QAM	1	0	20.49	20.25	20.62	20.31	20.35	21.8	0		
5	64QAM	1	12	20.56	20.42	20.75	20.39	20.32				
5	64QAM	1	24	20.62	20.39	20.65	20.36	20.36				
5	64QAM	12	0	19.54	19.65	19.54	19.57	19.57				
5	64QAM	12	7	19.64	19.61	19.65	19.65	19.67				
5	64QAM	13	13	19.63	19.48	19.66	19.62	19.37	21	0.8		
5	64QAM	25	0	19.71	19.54	19.71	19.47	19.43				
5	256QAM	1	0	17.81	17.52	17.59	17.61	17.48				
5	256QAM	1	12	17.52	17.43	17.81	17.61	17.38				
5	256QAM	1	24	17.49	17.56	17.75	17.75	17.37	19	2.8		
5	256QAM	12	0	17.61	17.67	17.66	17.57	17.59				
5	256QAM	12	7	17.74	17.58	17.56	17.61	17.38				
5	256QAM	12	13	17.51	17.58	17.48	17.61	17.38				
5	256QAM	12	24	17.54	17.81	17.84	17.37	17.48				

Reduced Power Mode for ECI 3

Ant 0

GSM450 Ant0				Frame-Average Power (dBm)				Tune-up Limit (dBm)			
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)			
Channel				128	189	251	251				
Frequency (MHz)				824.2	836.4	848.8	848.8				
GPRS 4 Tx slots				27.21	27.22	27.06	28.50	24.21	24.22	24.06	25.50

Band				WCDMA V Ant0				Tune-up Limit (dBm)			
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)			
Channel				4132	4162	4233	4233				
Frequency (MHz)				4357	4407	4458	4458				
3GPP Ref 59				22.42	22.53	22.46	23.40				

Band 5 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600	20600	
Frequency (MHz)				1920	1930	1940	1940	
20	QPSK	1	0	22.53	22.43	22.31	24	0
20	QPSK	25	0	21.35	21.38	21.28	23	1
20	QPSK	50	0	21.38	21.41	21.32	23	1

Band 2 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18800	19100	19100	
Frequency (MHz)				1920	1930	1940	1940	
20	QPSK	1	0	20.68	20.61	20.62	21.8	0
20	QPSK	50	0	20.54	20.68	20.55	21.8	0
20	QPSK	100	0	20.56	20.63	20.53	21.8	0

Band 2 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18800	19100	19100	
Frequency (MHz)				1860	1869	1880	1880	
20	QPSK	1	0	18.59	18.76	18.63	19.2	0
20	QPSK	50	0	18.61	18.63	18.55	19.2	0
20	QPSK	100	0	18.58	18.67	18.59	19.2	0

Band 26 for FCC Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965	26965	
Frequency (MHz)				821.5	831.5	841.5	841.5	
15	QPSK	1	0	22.38	22.56	22.48	23.6	0
15	QPSK	36	0	21.38	21.57	21.39	23	0.6
15	QPSK	75	0	21.48	21.52	21.32	23	0.6

Band 42 FCC Part27Q Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990	42990	
Frequency (MHz)				3450	3500	3550	3550	
20	QPSK	1	0	17.95	18.08	18.00	19.5	0
20	QPSK	50	0	17.98	18.05	18.02	19.5	0
20	QPSK	100	0	17.93	17.94	17.90	19.5	0

Ant 1

GSM1800 Ant1				Frame-Average Power (dBm)				Tune-up Limit (dBm)			
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)			
Channel				512	881	810	810				
Frequency (MHz)				1850.2	1860	1869.8	1869.8				
GPRS 3 Tx slots				25.28	25.33	25.26	26.50	21.02	21.07	21.00	22.24

Band				WCDMA B Ant1				Tune-up Limit (dBm)			
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)			
Channel				9282	9400	9538	9538				
Frequency (MHz)				1852.4	1860	1867.6	1867.6				
3GPP Ref 59 RMC 12.2Kbps				19.92	20.04	19.98	21.00				

Band 26 for FCC Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965	26965	
Frequency (MHz)				821.5	831.5	841.5	841.5	
15	QPSK	1	0	22.53	22.54	22.45	24	0
15	QPSK	36	0	21.48	21.53	21.48	23	1
15	QPSK	75	0	21.56	21.61	21.36	23	1

Band 7 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	21350	
Frequency (MHz)				2310	2335	2360	2360	
20	QPSK	1	0	19.27	19.52	19.25	19.6	0
20	QPSK	50	0	18.40	18.49	18.35	19.6	0
20	QPSK	100	0	18.29	18.30	18.25	19.6	0

Band 5 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600	20600	
Frequency (MHz)				820	836.5	844	844	
10	QPSK	1	0	22.52	22.59	22.52	23.6	0
10	QPSK	25	0	21.52	21.64	21.45	23	0.6
10	QPSK	50	0	21.52	21.60	21.49	23	0.6

Band 38 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150	38150	
Frequency (MHz)				2660	2666	2670	2670	
20	QPSK	1	0	20.04	20.23	20.04	21.2	0
20	QPSK	50	0	20.03	20.17	20.02	21.2	0
20	QPSK	100	0	20.03	20.08	20.05	21.2	0

Band 38 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150	38150	
Frequency (MHz)				2660	2666	2670	2670	
20	QPSK	1	0	22.98	23.04	22.95	24	0
20	QPSK	50	0	21.93	22.07	21.75	23	1
20	QPSK	100	0	21.87	21.93	21.76	23	1

Band 7 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (dBm)	Power Middle Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	21350	
Frequency (MHz)				2310	2335	2360	2360	
20	QPSK	1	0	18.06	18.22	18.10	19	0
20	QPSK	50	0	18.10	18.17	18.13	19	0
20	QPSK	100	0	18.04	18.22	18.09	19	0

Band 71									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133322	133322	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				673	683	688			
20	QPSK	1	0	22.63	22.82	22.66	24	0	
20	QPSK	1	49	22.70	22.69	22.57			
20	QPSK	1	99	22.59	22.63	22.65			
20	QPSK	50	0	21.81	21.67	21.68			
20	QPSK	50	24	21.76	21.80	21.79	23	1	
20	QPSK	50	50	21.75	21.77	21.78			
20	QPSK	100	0	21.70	21.79	21.65			
20	16QAM	1	0	21.87	22.12	22.05			
20	16QAM	1	49	22.09	22.15	22.11	23	1	
20	16QAM	1	99	21.99	22.02	22.21			
20	16QAM	50	0	20.06	20.85	20.77			
20	16QAM	50	24	20.56	20.79	20.74			
20	16QAM	50	50	20.65	20.71	20.77	22	2	
20	16QAM	100	0	20.89	20.82	20.84			
20	64QAM	1	0	20.53	20.71	20.66			
20	64QAM	1	49	20.76	20.88	20.55			
20	64QAM	1	99	20.53	20.72	20.93	21	3	
20	64QAM	50	0	19.70	19.75	19.76			
20	64QAM	50	24	19.61	19.90	19.87			
20	64QAM	50	50	19.74	19.67	19.65			
20	256QAM	1	0	17.72	17.84	17.88	19	5	
20	256QAM	1	49	17.65	17.74	17.56			
20	256QAM	1	99	17.86	17.73	17.91			
20	256QAM	50	0	17.68	17.81	17.84			
20	256QAM	50	24	17.81	17.69	17.72	19	5	
20	256QAM	50	50	17.71	17.86	17.69			
20	256QAM	100	0	17.88	17.70	17.90			
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	22.48	22.73	22.52	24	0	
15	QPSK	1	37	22.35	22.62	22.49			
15	QPSK	1	74	22.32	22.54	22.60			
15	QPSK	36	0	21.65	21.82	21.60			
15	QPSK	36	20	21.64	21.67	21.74	23	1	
15	QPSK	36	39	21.65	21.70	21.71			
15	QPSK	75	0	21.62	21.63	21.50			
15	16QAM	1	0	21.86	22.04	21.98			
15	16QAM	1	37	21.97	22.04	21.99	23	1	
15	16QAM	1	74	21.95	21.88	22.08			
15	16QAM	36	0	20.60	20.77	20.89			
15	16QAM	36	20	20.48	20.72	20.69			
15	16QAM	36	39	20.49	20.59	20.73	22	2	
15	16QAM	75	0	20.73	20.76	20.76			
15	64QAM	1	0	20.45	20.62	20.55			
15	64QAM	1	37	20.69	20.78	20.44			
15	64QAM	1	74	20.46	20.65	20.79	21	3	
15	64QAM	36	0	19.81	19.64	19.69			
15	64QAM	36	20	19.47	19.78	19.75			
15	64QAM	36	39	19.63	19.52	19.73			
15	256QAM	1	0	17.62	17.78	17.75	19	5	
15	256QAM	1	37	17.60	17.64	17.39			
15	256QAM	1	74	17.60	17.60	17.67			
15	256QAM	36	0	17.55	17.76	17.51			
15	256QAM	36	20	17.67	17.60	17.58	19	5	
15	256QAM	36	39	17.59	17.81	17.61			
15	256QAM	75	0	17.76	17.59	17.77			
Channel				133172	133272	133372	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				688	678	682			
10	QPSK	1	0	22.53	22.71	22.81	24	0	
10	QPSK	1	25	22.58	22.57	22.52			
10	QPSK	1	49	22.48	22.53	22.52			
10	QPSK	25	0	21.75	21.82	21.62			
10	QPSK	25	12	21.69	21.66	21.74	23	1	
10	QPSK	25	25	21.61	21.68	21.66			
10	QPSK	50	0	21.59	21.67	21.61			
10	16QAM	1	0	21.83	22.01	21.92			
10	16QAM	1	25	22.03	22.02	22.06	23	1	
10	16QAM	1	49	21.89	21.97	22.06			
10	16QAM	25	0	20.81	20.78	20.66			
10	16QAM	25	12	20.46	20.64	20.66			
10	16QAM	25	25	20.51	20.57	20.66	22	2	
10	16QAM	50	0	20.76	20.75	20.72			
10	64QAM	1	0	20.43	20.63	20.54			
10	64QAM	1	25	20.62	20.76	20.49			
10	64QAM	1	49	20.44	20.58	20.63	21	3	
10	64QAM	25	0	19.63	19.68	19.60			
10	64QAM	25	12	19.05	19.81	19.82			
10	64QAM	25	25	19.60	19.54	19.75			
10	256QAM	1	0	19.72	19.54	19.82	19	5	
10	256QAM	1	25	17.62	17.77	17.74			
10	256QAM	1	49	17.57	17.69	17.49			
10	256QAM	1	99	17.50	17.62	17.83			
10	256QAM	25	0	17.58	17.65	17.51	19	5	
10	256QAM	25	12	17.73	17.55	17.62			
10	256QAM	25	25	17.64	17.79	17.65			
10	256QAM	50	0	17.63	17.65	17.77			
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				695.5	675.5	695.5			
5	QPSK	1	0	22.56	22.69	22.57	24	0	
5	QPSK	1	12	22.55	22.55	22.47			
5	QPSK	1	24	22.46	22.50	22.58			
5	QPSK	12	0	21.77	21.73	21.58			
5	QPSK	12	7	21.72	21.73	21.75	23	1	
5	QPSK	12	13	21.99	21.84	21.63			
5	QPSK	25	0	21.55	21.65	21.60			
5	16QAM	1	0	21.81	22.08	21.96			
5	16QAM	1	12	22.01	22.04	22.02	23	1	
5	16QAM	1	24	21.90	21.96	22.09			
5	16QAM	12	0	20.56	20.78	20.64			
5	16QAM	12	7	20.41	20.70	20.60			
5	16QAM	12	13	20.51	20.56	20.66	22	2	
5	16QAM	25	0	20.84	20.77	20.75			
5	64QAM	1	0	20.46	20.67	20.53			
5	64QAM	1	12	20.68	20.84	20.45			
5	64QAM	1	24	20.46	20.59	20.84	21	3	
5	64QAM	12	0	19.60	19.68	19.71			
5	64QAM	12	7	19.05	19.80	19.80			
5	64QAM	12	13	19.64	19.56	19.77			
5	256QAM	1	0	17.61	17.79	17.77	19	5	
5	256QAM	1	12	17.60	17.69	17.47			
5	256QAM	1	24	17.60	17.69	17.85			
5	256QAM	12	0	17.54	17.76	17.54			
5	256QAM	12	7	17.67	17.62	17.67	19	5	
5	256QAM	12	13	17.58	17.71	17.61			
5	256QAM	25	0	17.73	17.84	17.84			

Band 41 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Low Middle Ch / Freq
Channel				39750	40165	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.74	22.63	22.63	22.68	22.63	24
20	QPSK	1	49	22.78	22.47	22.59	22.48	22.48	
20	QPSK	1	99	22.70	22.65	22.64	22.49	22.48	23
20	QPSK	50	0	21.79	21.78	21.93	21.62	21.69	
20	QPSK	50	24	21.76	21.55	21.65	21.54	21.57	23
20	QPSK	50	50	21.75	21.64	21.67	21.59	21.58	
20	QPSK	100	0	21.68	21.47	21.77	21.70	21.48	23
20	16QAM	1	0	21.79	21.55	21.74	21.69	21.47	
20	16QAM	1	49	21.83	21.57	21.62	21.57	21.45	23
20	16QAM	50	24	21.84	21.64	21.66	21.36	21.33	
20	16QAM	50	0	20.86	20.58	20.70	20.63	20.54	22
20	16QAM	50	24	20.73	20.57	20.76	20.59	20.59	
20	16QAM	50	50	20.70	20.53	20.68	20.48	20.60	22
20	15QAM	100	0	20.56	20.36	20.71	20.61	20.54	
20	64QAM	1	0	17.58	17.66	17.72	17.51	17.51	22
20	64QAM	1	49	20.63	20.54	20.72	20.41	20.49	
20	64QAM	1	99	20.65	20.45	20.70	20.41	20.43	21
20	64QAM	50	0	19.68	19.76	19.82	19.65	19.64	
20	64QAM	50	24	19.84	19.59	19.88	19.60	19.65	21
20	64QAM	50	50	19.87	19.58	19.79	19.54	19.44	
20	64QAM	100	0	19.73	19.52	19.72	19.48	19.51	19
20	256QAM	1	0	17.86	17.59	17.64	17.65	17.57	
20	256QAM	1	49	17.73	17.53	17.74	17.66	17.48	19
20	256QAM	1	99	17.52	17.60	17.68	17.45	17.45	
20	256QAM	50	0	17.73	17.70	17.79	17.72	17.59	19
20	256QAM	50	24	17.91	17.46	17.63	17.63	17.55	
20	256QAM	50	50	17.72	17.71	17.62	17.59	17.50	20
20	256QAM	100	0	17.58	17.66	17.72	17.51	17.51	
Channel				39725	41121	40520	41058	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.75	22.63	22.63	22.54	22.65	24
15	QPSK	1	37	22.80	22.60	22.72	22.54	22.47	
15	QPSK	1	74	22.84	22.72	22.86	22.56	22.47	23
15	QPSK	36	0	21.70	21.73	21.84	21.61	21.62	
15	QPSK	36	20	21.82	21.69	21.79	21.66	21.65	23
15	QPSK	36	39	21.80	21.65	21.76	21.67	21.50	
15	16QAM	75	0	21.69	21.47	21.62	21.59	21.49	23
15	16QAM	1	0	21.93	21.53	21.75	21.66	21.48	
15	16QAM	1	37	21.87	21.58	21.63	21.44	21.46	22
15	16QAM	1	74	21.67	21.74	21.63	21.44	21.45	
15	16QAM	36	0	20.92	20.50	20.62	20.58	20.49	22
15	16QAM	36	20	20.74	20.54	20.65	20.59	20.56	
15	16QAM	36	39	20.68	20.51	20.60	20.56	20.53	22
15	16QAM	75	0	20.58	20.59	20.69	20.56	20.55	
15	64QAM	1	0	20.78	20.36	20.73	20.35	20.44	22
15	64QAM	1	37	20.69	20.48	20.61	20.31	20.49	
15	64QAM	1	74	20.75	20.48	20.55	20.52	20.41	21
15	64QAM	36	0	19.68	19.72	19.77	19.76	19.64	
15	64QAM	36	20	19.65	19.58	19.66	19.73	19.61	19
15	64QAM	36	39	19.78	19.49	19.65	19.67	19.49	
15	64QAM	75	0	19.74	19.64	19.72	19.67	19.51	19
15	256QAM	1	0	17.81	17.59	17.70	17.63	17.49	
15	256QAM	1	37	17.69	17.45	17.85	17.55	17.49	19
15	256QAM	1	74	17.67	17.64	17.76	17.53	17.48	
15	256QAM	36	0	17.84	17.57	17.67	17.79	17.69	19
15	256QAM	36	20	17.90	17.58	17.81	17.69	17.46	
15	256QAM	36	39	17.63	17.76	17.48	17.67	17.43	19
15	256QAM	75	0	17.58	17.57	17.59	17.60	17.41	
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2499	2542	2591	2634	2678	
10	QPSK	1	0	22.84	22.77	22.74	22.69	22.54	24
10	QPSK	1	25	22.86	22.56	22.63	22.73	22.50	
10	QPSK	1	49	22.58	22.67	22.72	22.46	22.46	23
10	QPSK	25	0	21.68	21.65	21.91	21.55	21.58	
10	QPSK	25	12	21.83	21.54	21.81	21.58	21.67	23
10	QPSK	50	0	21.69	21.54	21.76	21.67	21.45	
10	QPSK	50	0	21.68	21.53	21.66	21.54	21.48	23
10	16QAM	1	0	21.82	21.51	21.75	21.70	21.36	
10	16QAM	1	25	21.76	21.56	21.66	21.65	21.45	23
10	16QAM	1	49	21.79	21.59	21.65	21.53	21.37	
10	16QAM	25	0	20.80	20.56	20.74	20.66	20.47	22
10	16QAM	25	12	20.65	20.62	20.81	20.52	20.62	
10	16QAM	25	25	20.76	20.63	20.62	20.60	20.54	22
10	16QAM	50	0	20.61	20.46	20.72	20.64	20.42	
10	64QAM	1	0	20.76	20.35	20.65	20.47	20.52	22
10	64QAM	1	25	20.59	20.53	20.65	20.41	20.41	
10	64QAM	1	49	20.72	20.57	20.66	20.49	20.29	21
10	64QAM	25	0	19.81	19.70	19.86	19.67	19.67	
10	64QAM	25	12	19.71	19.58	19.67	19.55	19.70	21
10	64QAM	25	25	19.78	19.55	19.74	19.46	19.50	
10	64QAM	50	0	19.69	19.55	19.77	19.45	19.48	19
10	256QAM	1	0	17.74	17.65	17.79	17.72	17.56	
10	256QAM	1	25	17.74	17.43	17.84	17.66	17.50	19
10	256QAM	1	49	17.63	17.68	17.67	17.49	17.54	
10	256QAM	25	0	17.69	17.72	17.81	17.63	17.61	19
10	256QAM	25	12	17.92	17.50	17.70	17.58	17.57	
10	256QAM	25	25	17.74	17.79	17.68	17.51	17.55	19
10	256QAM	50	0	17.68	17.77	17.73	17.60	17.56	
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2488.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	22.77	22.58	22.66	22.74	22.54	24
5	QPSK	1	12	22.84	22.47	22.63	22.56	22.45	
5	QPSK	1	24	22.72	22.59	22.61	22.52	22.54	23
5	QPSK	12	0	21.68	21.86	21.83	21.64	21.74	
5	QPSK	12	7	21.74	21.53	21.91	21.65	21.56	23
5	QPSK	12	19	21.73	21.57	21.69	21.61	21.51	
5	QPSK	25	0	21.63	21.59	21.67	21.60	21.39	23
5	16QAM	1	0	21.87	21.55	21.59	21.80	21.47	
5	16QAM	1	12	21.78	21.48	21.57	21.48	21.44	23
5	16QAM	1	24	21.71	21.66	21.59	21.67	21.46	
5	16QAM	12	0	20.94	20.58	20.77	20.69	20.55	22
5	16QAM	12	7	20.86	20.57	20.71	20.57	20.51	
5	16QAM	12	13	20.63	20.46	20.77	20.56	20.61	22
5	16QAM	25	0	20.54	20.58	20.73	20.58	20.51	
5	64QAM	1	0	20.61	20.32	20.70	20.41	20.46	22
5	64QAM	1	12	20.66	20.51	20.77	20.43	20.42	
5	64QAM	1	24	20.73	20.44	20.60	20.42	20.37	21
5	64QAM	12	0	19.61	19.73	19.69	19.76	19.54	
5	64QAM	12	7	19.71	19.68	19.76	19.76	19.71	21
5	64QAM	12	13	19.74	19.53	19.70	19.53	19.32	
5	64QAM	25	0	19.79	19.60	19.76	19.53	19.48	19
5	256QAM	1	0	17.85	17.59	17.69	17.64	17.52	
5	256QAM	1	12	17.66	17.56	17.67	17.64	17.42	19
5	256QAM	1	24	17.55	17.58	17.78	17.56	17.41	
5	256QAM	12	0	17.76	17.73	17.74	17.69	17.65	19
5	256QAM	12	7	17.80	17.48	17.64	17.75	17.45	
5	256QAM	12	13	17.73	17.59	17.57	17.53	17.57	19
5	256QAM	25	0	17.64	17.71	17.79	17.49	17.56	

Band 41 HPUE										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Turn-on limit (dBm)	MPR (dB)	
Channel				39750	40165	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.81	25.69	25.59	25.62	25.58	27	0
20	QPSK	1	49	25.81	25.53	25.73	25.63	25.47		
20	QPSK	50	0	25.62	25.58	25.58	25.56	25.45		
20	QPSK	50	0	24.73	24.78	24.86	24.57	24.59		
20	QPSK	50	24	24.74	24.57	24.75	24.54	24.58	26	1
20	QPSK	100	0	24.61	24.52	24.62	24.52	24.38		
20	16QAM	1	0	24.76	24.48	24.65	24.59	24.42		
20	16QAM	1	49	24.71	24.44	24.64	24.52	24.48		
20	16QAM	1	99	24.64	24.64	24.65	24.50	24.36	25	2
20	16QAM	50	0	23.84	23.52	23.67	23.51	23.51		
20	16QAM	50	24	23.71	23.67	23.73	23.53	23.58		
20	16QAM	50	50	23.74	23.54	23.63	23.44	23.59		
20	16QAM	100	0	23.53	23.47	23.67	23.54	23.50	25	2
20	64QAM	1	0	23.58	23.34	23.62	23.48	23.55		
20	64QAM	1	49	23.55	23.43	23.72	23.51	23.36		
20	64QAM	1	99	23.71	23.50	23.65	23.35	23.26		
20	64QAM	50	0	22.63	22.76	22.88	22.60	22.52	24	3
20	64QAM	50	24	22.71	22.47	22.90	22.60	22.52		
20	64QAM	50	50	22.80	22.46	22.63	22.33	22.47		
20	64QAM	100	0	22.68	22.52	22.61	22.47	22.47		
20	256QAM	1	0	20.77	20.59	20.68	20.57	20.52	22	5
20	256QAM	1	49	20.76	20.45	20.69	20.44	20.37		
20	256QAM	1	99	20.54	20.56	20.74	20.56	20.34		
20	256QAM	1	0	20.74	20.61	20.75	20.50	20.54		
20	256QAM	50	24	20.86	20.53	20.80	20.57	20.47	22	5
20	256QAM	50	50	20.61	20.69	20.53	20.49	20.51		
20	256QAM	100	0	20.57	20.63	20.71	20.53	20.43		
Channel				39750	40165	40620	41055	41490		
Frequency (MHz)				2503.5	2549.3	2593	2637.8	2682.5		
15	QPSK	1	0	25.66	25.47	25.77	25.48	25.54	27	0
15	QPSK	1	37	25.73	25.49	25.84	25.49	25.36		
15	QPSK	1	74	25.54	25.61	25.60	25.50	25.37		
15	QPSK	36	0	24.62	24.52	24.63	24.52	24.52		
15	QPSK	36	20	24.73	24.53	24.72	24.52	24.58	26	1
15	QPSK	36	39	24.66	24.46	24.58	24.62	24.42		
15	QPSK	75	0	24.52	24.40	24.71	24.53	24.45		
15	16QAM	1	0	24.82	24.37	24.67	24.42	24.35		
15	16QAM	1	37	24.72	24.54	24.80	24.34	24.38	26	1
15	16QAM	1	74	24.61	24.65	24.48	24.40	24.37		
15	16QAM	36	0	23.83	23.40	23.74	23.49	23.40		
15	16QAM	36	20	23.65	23.40	23.64	23.49	23.50		
15	16QAM	36	39	23.57	23.47	23.54	23.45	23.45	25	2
15	16QAM	75	0	23.47	23.51	23.68	23.52	23.43		
15	64QAM	1	0	23.65	23.33	23.61	23.42	23.31		
15	64QAM	1	37	23.54	23.53	23.68	23.16	23.45		
15	64QAM	1	74	23.55	23.48	23.65	23.31	23.36	25	2
15	64QAM	36	0	22.59	22.68	22.68	22.65	22.47		
15	64QAM	36	20	22.60	22.40	22.84	22.62	22.55		
15	64QAM	36	39	22.68	22.53	22.59	22.47	22.51		
15	64QAM	75	0	22.67	22.40	22.63	22.48	22.46	24	3
15	256QAM	1	0	20.70	20.44	20.68	20.46	20.32		
15	256QAM	1	37	20.63	20.41	20.69	20.45	20.44		
15	256QAM	1	74	20.50	20.53	20.70	20.38	20.35		
15	256QAM	36	0	20.53	20.57	20.59	20.67	20.55	22	5
15	256QAM	36	20	20.62	20.48	20.68	20.52	20.42		
15	256QAM	36	39	20.53	20.69	20.49	20.52	20.38		
15	256QAM	75	0	20.56	20.61	20.57	20.50	20.32		
Channel				39700	40100	40620	41080	41540		
Frequency (MHz)				2501	2545.8	2591.3	2635.3	2679.5		
10	QPSK	1	0	25.75	25.67	25.67	25.62	25.39	27	0
10	QPSK	1	25	25.68	25.47	25.49	25.69	25.45		
10	QPSK	1	49	25.58	25.58	25.64	25.42	25.38		
10	QPSK	1	0	24.64	24.78	24.67	24.64	24.51		
10	QPSK	25	12	24.75	24.46	24.77	24.50	24.59	26	1
10	QPSK	25	25	24.57	24.47	24.62	24.63	24.55		
10	QPSK	50	0	24.60	24.48	24.58	24.43	24.43		
10	16QAM	1	0	24.76	24.57	24.65	24.58	24.33		
10	16QAM	1	0	24.75	24.45	24.57	24.49	24.38	26	1
10	16QAM	1	49	24.67	24.55	24.49	24.41	24.30		
10	16QAM	25	0	23.70	23.45	23.61	23.56	23.44		
10	16QAM	25	12	23.59	23.51	23.73	23.37	23.59		
10	16QAM	25	25	23.84	23.56	23.68	23.39	23.47	25	2
10	16QAM	50	0	23.53	23.41	23.61	23.52	23.30		
10	64QAM	1	0	23.64	23.26	23.62	23.33	23.45		
10	64QAM	1	25	23.62	23.50	23.51	23.30	23.30		
10	64QAM	1	49	23.62	23.54	23.55	23.43	23.24	25	2
10	64QAM	25	12	22.68	22.66	22.67	22.59	22.60		
10	64QAM	25	12	22.58	22.49	22.73	22.52	22.59		
10	64QAM	25	25	22.77	22.48	22.59	22.38	22.38		
10	64QAM	50	0	22.66	22.44	22.65	22.35	22.41	24	3
10	256QAM	1	0	20.64	20.59	20.67	20.50	20.47		
10	256QAM	1	25	20.69	20.40	20.67	20.51	20.48		
10	256QAM	1	49	20.49	20.54	20.59	20.40	20.45		
10	256QAM	25	0	20.57	20.67	20.72	20.57	20.50	22	5
10	256QAM	25	13	20.79	20.33	20.75	20.30	20.49		
10	256QAM	25	25	20.65	20.71	20.59	20.38	20.47		
10	256QAM	50	0	20.59	20.72	20.68	20.57	20.45		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2503.5	2549.8	2591.3	2635.3	2679.5		
5	QPSK	1	0	25.65	25.44	25.73	25.68	25.47	27	0
5	QPSK	1	12	25.78	25.43	25.85	25.52	25.34		
5	QPSK	1	24	25.58	25.48	25.54	25.41	25.43		
5	QPSK	12	0	24.66	24.70	24.67	24.52	24.43		
5	QPSK	12	7	24.70	24.42	24.75	24.49	24.50	26	1
5	QPSK	12	13	24.60	24.51	24.65	24.57	24.36		
5	QPSK	25	0	24.48	24.52	24.61	24.44	24.31		
5	16QAM	1	0	24.76	24.50	24.49	24.48	24.42		
5	16QAM	1	12	24.61	24.36	24.65	24.41	24.34	26	1
5	16QAM	1	24	24.67	24.53	24.54	24.39	24.30		
5	16QAM	12	0	23.91	23.51	23.74	23.62	23.53		
5	16QAM	12	7	23.74	23.46	23.64	23.41	23.59		
5	16QAM	12	13	23.53	23.59	23.65	23.48	23.52	25	2
5	16QAM	25	0	23.44	23.40	23.68	23.49	23.45		
5	64QAM	1	0	23.44	23.20	23.65	23.35	23.45		
5	64QAM	1	12	23.62	23.41	23.69	23.34	23.31		
5	64QAM	1	24	23.67	23.33	23.56	23.38	23.37	25	2
5	64QAM	12	0	22.48	22.72	22.70	22.73	22.70		
5	64QAM	12	7	22.59	22.58	22.61	22.70	22.66		
5	64QAM	12	13	22.70	22.43	22.67	22.45	22.26		
5	256QAM	25	0	20.69	22.49	22.70	22.46	22.32	22	5
5	256QAM	1	0	22.71	20.57	20.55	20.52	20.35		
5	256QAM	1	12	20.55	20.55	20.75	20.50	20.42		
5	256QAM	1	24	20.46	20.46	20.70	20.47	20.31		
5	256QAM	12	0	20.63	20.64	20.68	20.58	20.54	22	5
5	256QAM	12	7	20.74	20.44	20.54	20.60	20.35		
5	256QAM	12	13	20.68	20.51	20.63	20.43	20.47		
5	256QAM	25	0	20.53	20.63	20.68	20.43	20.52		

Band 71									
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch./Freq.	Middle Ch./Freq.	High Ch./Freq.			
Channel				133222	133322	133372			
Frequency (MHz)				673	683	688			
20	QPSK	1	0	22.50	22.75	22.57	24	0	
20	QPSK	1	49	22.59	22.59	22.44			
20	QPSK	1	99	22.52	22.52	22.56			
20	QPSK	50	0	21.68	21.78	21.55	23	1	
20	QPSK	50	24	21.71	21.69	21.73			
20	QPSK	50	50	21.61	21.67	21.68			
20	QPSK	100	0	21.54	21.75	21.51	23	1	
20	16QAM	1	0	21.86	22.05	21.96			
20	16QAM	1	49	22.01	22.06	22.05			
20	16QAM	1	99	21.90	21.89	22.15	22	2	
20	16QAM	50	0	20.55	20.80	20.70			
20	16QAM	50	24	20.44	20.72	20.67			
20	16QAM	50	50	20.56	20.61	20.86	22	2	
20	16QAM	100	0	20.84	20.69	20.76			
20	64QAM	1	0	20.48	20.64	20.57			
20	64QAM	1	49	20.69	20.74	20.48	22	2	
20	64QAM	1	99	20.43	20.57	20.85			
20	64QAM	50	0	19.56	19.61	19.63			
20	64QAM	50	24	19.48	19.77	19.73	21	3	
20	64QAM	50	50	19.62	19.59	19.76			
20	64QAM	100	0	19.62	19.58	19.81			
20	256QAM	1	0	17.62	17.69	17.82	19	5	
20	256QAM	1	49	17.55	17.64	17.84			
20	256QAM	1	99	17.57	17.63	17.84			
20	256QAM	50	0	17.60	17.69	17.50	19	5	
20	256QAM	50	24	17.69	17.58	17.57			
20	256QAM	50	50	17.62	17.81	17.64			
20	256QAM	100	0	17.79	17.64	17.81			
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	22.37	22.63	22.42	24	0	
15	QPSK	1	37	22.44	22.54	22.31			
15	QPSK	1	74	22.39	22.40	22.42			
15	QPSK	36	0	21.53	21.70	21.50	23	1	
15	QPSK	36	20	21.57	21.59	21.64			
15	QPSK	36	39	21.51	21.56	21.62			
15	QPSK	75	0	21.49	21.67	21.45	23	1	
15	16QAM	1	0	21.76	21.59	21.84			
15	16QAM	1	37	21.94	22.00	21.98			
15	16QAM	1	74	21.79	21.78	22.04	22	2	
15	16QAM	36	0	20.48	20.68	20.59			
15	16QAM	36	20	20.34	20.60	20.66			
15	16QAM	36	39	20.43	20.51	20.59	22	2	
15	16QAM	75	0	20.73	20.55	20.63			
15	64QAM	1	0	20.38	20.55	20.52			
15	64QAM	1	37	20.61	20.64	20.40	22	2	
15	64QAM	1	74	20.31	20.43	20.75			
15	64QAM	36	0	19.51	19.49	19.56			
15	64QAM	36	20	19.40	19.65	19.64	22	3	
15	64QAM	36	39	19.47	19.44	19.65			
15	64QAM	75	0	19.56	19.52	19.74			
15	256QAM	1	0	17.49	17.55	17.67	19	5	
15	256QAM	1	37	17.40	17.57	17.35			
15	256QAM	1	74	17.47	17.55	17.70			
15	256QAM	36	0	17.48	17.56	17.45	19	5	
15	256QAM	36	20	17.65	17.52	17.52			
15	256QAM	36	39	17.47	17.76	17.56			
15	256QAM	75	0	17.64	17.56	17.72			
Channel				133172	133272	133372	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				686	678	693			
10	QPSK	1	0	22.37	22.68	22.47	24	0	
10	QPSK	1	25	22.48	22.46	22.29			
10	QPSK	1	49	22.47	22.40	22.42			
10	QPSK	25	0	21.59	21.66	21.41	23	1	
10	QPSK	25	12	21.65	21.59	21.66			
10	QPSK	25	25	21.46	21.59	21.56			
10	QPSK	50	0	21.41	21.68	21.38	23	1	
10	16QAM	1	0	21.71	21.97	21.80			
10	16QAM	1	25	21.62	21.94	21.96			
10	16QAM	1	49	21.85	21.80	22.07	23	1	
10	16QAM	25	0	20.40	20.70	20.66			
10	16QAM	25	12	20.37	20.63	20.60			
10	16QAM	25	25	20.48	20.48	20.51	22	2	
10	16QAM	50	0	20.72	20.62	20.73			
10	64QAM	1	0	20.44	20.51	20.44			
10	64QAM	1	25	20.59	20.68	20.44	22	2	
10	64QAM	1	49	20.32	20.47	20.70			
10	64QAM	25	0	19.47	19.50	19.54			
10	64QAM	25	12	19.43	19.68	19.61	21	3	
10	64QAM	25	25	19.55	19.49	19.64			
10	64QAM	50	0	19.46	19.48	19.68			
10	256QAM	1	0	17.51	17.59	17.76	19	5	
10	256QAM	1	25	17.41	17.59	17.38			
10	256QAM	1	49	17.53	17.58	17.77			
10	256QAM	25	0	17.54	17.60	17.37	19	5	
10	256QAM	25	12	17.62	17.54	17.47			
10	256QAM	25	25	17.48	17.72	17.52			
10	256QAM	50	0	17.54	17.51	17.66			
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				695.5	679.5	695.5			
5	QPSK	1	0	22.45	22.69	22.51	24	0	
5	QPSK	1	12	22.47	22.52	22.32			
5	QPSK	1	24	22.48	22.41	22.51			
5	QPSK	12	0	21.61	21.63	21.39	23	1	
5	QPSK	12	7	21.64	21.57	21.57			
5	QPSK	12	13	21.56	21.52	21.61			
5	QPSK	25	0	21.39	21.61	21.45	23	1	
5	16QAM	1	0	21.78	21.92	21.81			
5	16QAM	1	12	21.86	21.99	21.91			
5	16QAM	1	24	21.83	21.78	22.06	22	2	
5	16QAM	12	0	20.48	20.67	20.59			
5	16QAM	12	7	20.37	20.64	20.58			
5	16QAM	12	13	20.42	20.48	20.62	22	2	
5	16QAM	25	0	20.76	20.59	20.86			
5	64QAM	1	0	20.43	20.51	20.47			
5	64QAM	1	12	20.57	20.64	20.44	22	2	
5	64QAM	1	24	20.38	20.46	20.80			
5	64QAM	12	0	19.49	19.56	19.47			
5	64QAM	12	7	19.41	19.66	19.62	21	3	
5	64QAM	12	13	19.47	19.49	19.69			
5	64QAM	25	0	19.56	19.54	19.69			
5	256QAM	1	0	17.48	17.60	17.68	19	5	
5	256QAM	1	12	17.44	17.55	17.40			
5	256QAM	1	24	17.49	17.49	17.73			
5	256QAM	12	0	17.53	17.60	17.37	19	5	
5	256QAM	12	7	17.56	17.48	17.43			
5	256QAM	12	13	17.51	17.68	17.56			
5	256QAM	25	0	17.73	17.54	17.68			

Band 41 Ant4											
BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq	Power Low Ch. / Freq	Power Low Middle Ch. / Freq	Power High Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel											
Frequency (MHz)											
20	QPSK	1	0	20.07	20.06	20.11	20.22	20.04	20.08	21.2	0
20	QPSK	1	49	19.98	20.07	20.06	20.14	20.15	19.99		
20	QPSK	1	99	20.15	20.01	20.17	20.05	20.10	20.03	21.2	0
20	QPSK	50	0	19.99	20.09	20.15	20.21	20.03	20.02		
20	QPSK	50	24	20.15	20.05	20.17	20.06	20.00	20.05	21.2	0
20	QPSK	50	50	20.12	20.08	19.99	20.17	20.10	20.08		
20	QPSK	100	0	20.07	20.08	20.12	20.16	20.08	20.12	21.2	0
20	16QAM	1	0	20.06	20.15	20.20	20.02	20.07	20.05		
20	16QAM	1	49	20.01	20.16	20.10	20.13	20.10	20.10	21.2	0
20	16QAM	1	99	20.11	20.12	20.07	20.15	20.08	20.00		
20	16QAM	50	0	20.05	20.16	20.14	20.13	20.20	20.00	21.2	0
20	16QAM	50	24	20.11	20.12	20.14	20.15	20.09	20.13		
20	16QAM	50	50	20.13	20.12	20.02	20.18	20.18	20.07	21.2	0
20	16QAM	100	0	20.12	20.20	20.03	20.21	20.10	20.06		
20	64QAM	1	0	20.11	19.99	20.14	20.11	19.98	20.15	21.2	0
20	64QAM	1	49	20.15	20.11	20.14	20.14	20.20	20.15		
20	64QAM	1	99	20.04	20.03	20.11	20.03	20.09	20.19	21	0.2
20	64QAM	50	0	20.13	20.04	20.13	20.04	20.14	20.06		
20	64QAM	50	24	19.99	20.06	20.11	20.01	20.09	20.19	21	0.2
20	64QAM	50	50	20.05	20.08	20.11	20.03	20.11	20.01		
20	64QAM	100	0	20.10	20.11	20.11	20.12	20.16	20.06	19	2.2
20	256QAM	1	0	18.24	18.25	18.28	18.12	18.24	18.26		
20	256QAM	1	49	18.07	18.15	18.16	18.15	18.18	18.15	19	2.2
20	256QAM	1	99	18.25	18.20	18.30	18.24	18.31	18.18		
20	256QAM	50	0	18.10	18.21	18.10	18.23	18.20	18.10	19	2.2
20	256QAM	50	24	18.08	18.11	18.19	18.30	18.14	18.13		
20	256QAM	50	50	18.22	18.21	18.12	18.17	18.18	18.27	19	2.2
20	256QAM	100	0	18.24	18.20	18.16	18.16	18.13	18.20		
Channel											
Frequency (MHz)											
15	QPSK	1	0	19.99	19.89	20.09	20.11	19.88	20.07	21	0
15	QPSK	1	37	19.85	19.86	19.93	20.07	20.05	19.93		
15	QPSK	1	74	19.07	19.87	20.01	19.85	20.05	19.87	21.2	0
15	QPSK	36	0	19.90	19.98	20.00	19.93	19.99	19.96		
15	QPSK	36	20	20.04	19.98	19.96	19.93	19.99	19.90	21.2	0
15	QPSK	36	39	19.94	19.97	19.97	20.05	20.05	19.97		
15	QPSK	75	0	20.02	20.06	20.08	20.09	19.97	19.97	21.2	0
15	16QAM	1	0	19.99	19.97	20.10	19.92	19.94	20.00		
15	16QAM	1	37	20.05	20.00	19.91	20.03	19.99	19.97	21.2	0
15	16QAM	1	74	19.95	19.91	20.02	20.05	19.97	19.85		
15	16QAM	36	0	19.92	19.98	19.95	19.96	20.11	19.93	21.2	0
15	16QAM	36	20	19.93	20.05	20.05	20.10	20.02	20.02		
15	16QAM	36	39	20.14	20.04	19.94	20.02	19.96	19.95	21.2	0
15	16QAM	75	0	20.02	20.02	20.01	20.01	20.10	20.04		
15	64QAM	1	0	19.99	19.84	20.01	20.11	19.91	20.02	21.2	0
15	64QAM	1	37	19.97	19.86	20.06	20.01	20.02	20.03		
15	64QAM	1	74	19.94	19.90	20.02	19.95	20.04	20.07	21	0.2
15	64QAM	36	0	20.08	20.00	20.13	19.85	19.98	19.94		
15	64QAM	36	20	19.99	19.91	19.95	20.04	20.14	20.12	21	0.2
15	64QAM	36	39	19.93	19.90	20.12	19.91	20.07	19.89		
15	64QAM	75	0	19.95	20.06	20.00	20.13	19.93	19.99	19	2.2
15	256QAM	1	0	18.24	18.08	18.12	18.14	18.17	18.19		
15	256QAM	1	37	18.02	18.13	18.01	17.91	18.10	18.06	19	2.2
15	256QAM	1	74	18.24	18.16	18.07	18.13	18.24	18.05		
15	256QAM	36	0	18.06	18.12	18.02	18.00	18.05	17.98	19	2.2
15	256QAM	36	20	18.08	18.00	18.02	18.10	18.17	17.95		
15	256QAM	36	39	18.11	18.14	18.14	18.12	18.17	18.06	19	2.2
15	256QAM	75	0	18.08	18.10	18.16	18.22	17.98	18.16		
Channel											
Frequency (MHz)											
10	QPSK	1	0	19.88	19.98	20.04	20.03	19.94	20.10	21	0
10	QPSK	1	25	19.89	19.87	19.86	20.06	20.02	19.93		
10	QPSK	1	49	19.97	19.82	20.04	20.05	20.03	19.94	21.2	0
10	QPSK	25	0	19.99	20.02	20.11	20.02	19.94	19.99		
10	QPSK	25	12	19.98	19.98	20.00	19.98	19.98	19.98	21.2	0
10	QPSK	25	25	20.00	19.98	19.99	19.98	20.12	19.98		
10	QPSK	50	0	19.97	19.96	20.01	19.98	19.97	19.91	21.2	0
10	16QAM	1	0	19.97	20.08	20.12	19.99	19.97	19.98		
10	16QAM	1	25	19.93	20.04	20.06	20.09	20.03	20.11	21.2	0
10	16QAM	1	49	19.94	19.92	19.95	19.95	19.93	20.00		
10	16QAM	25	0	19.89	19.96	20.10	20.01	19.99	19.97	21.2	0
10	16QAM	25	12	19.95	20.06	20.06	19.99	19.97	20.11		
10	16QAM	25	25	20.11	20.03	20.07	20.12	20.03	19.94	21.2	0
10	16QAM	50	0	20.04	20.04	19.97	20.13	19.99	19.96		
10	64QAM	1	0	20.01	19.86	19.97	20.02	19.89	20.01	21.2	0
10	64QAM	1	25	20.06	20.10	20.00	20.03	20.01	19.97		
10	64QAM	1	49	19.94	19.99	19.90	19.88	19.95	20.09	21.2	0
10	64QAM	25	0	20.12	19.87	19.96	19.98	20.03	20.06		
10	64QAM	25	12	19.89	20.04	19.98	19.97	20.09	20.10	21	0.2
10	64QAM	25	25	20.02	20.07	20.14	19.93	20.08	19.99		
10	64QAM	50	0	20.00	20.01	19.97	20.07	20.14	19.93	19	2.2
10	256QAM	1	0	18.18	18.14	18.19	18.04	18.18	18.07		
10	256QAM	1	25	18.00	18.08	18.04	18.03	18.15	17.99	19	2.2
10	256QAM	1	49	18.20	18.02	18.17	18.06	18.18	18.08		
10	256QAM	25	0	18.01	18.15	18.07	18.00	18.13	17.99	19	2.2
10	256QAM	25	12	18.06	18.02	18.16	18.21	18.03	18.03		
10	256QAM	25	25	18.12	18.10	18.01	18.12	18.13	18.18	19	2.2
10	256QAM	50	0	18.23	18.07	18.01	18.11	18.07	18.13		
Channel											
Frequency (MHz)											
5	QPSK	1	0	19.98	19.90	19.99	20.07	19.98	19.96	21	0
5	QPSK	1	12	19.98	19.99	19.93	20.08	19.95	19.92		
5	QPSK	1	24	20.05	20.01	19.96	19.99	19.91	20.01	21.2	0
5	QPSK	12	0	19.91	19.96	19.98	20.05	19.87	19.98		
5	QPSK	12	7	20.09	19.96	20.03	20.05	19.90	20.05	21.2	0
5	QPSK	12	13	20.03	19.92	19.93	20.07	20.01	20.09		
5	QPSK	25	0	19.99	19.93	20.03	19.96	19.98	20.01	21.2	0
5	16QAM	1	0	19.87	20.01	20.05	19.89	19.89	20.06		
5	16QAM	1	12	19.90	19.93	19.92	19.96	19.93	20.04	21.2	0
5	16QAM	1	24	19.90	19.92	19.98	19.97	20.02	20.04		
5	16QAM	12	0	19.94	20.05	19.93	20.03	20.03	19.99	21.2	0
5	16QAM	12	7	19.94	20.02	20.08	20.06	19.96	19.97		
5	16QAM	12	13	19.98	20.09	19.97	20.05	20.07	20.03	21.2	0
5	16QAM	25	0	20.11	20.15	20.09	20.02	19.98	20.06		
5	64QAM	1	0	19.97	19.89	20.07	19.94	19.87	19.97	21.2	0
5	64QAM	1	12	19.92	20.07	20.05	19.89	20.09	20.03		
5	64QAM	1	24	19.94	19.97	20.03	19.95	19.96	20.08	21	0.2
5	64QAM	12	0	19.94	19.89	19.95	19.93	20.06	19.98		
5	64QAM	12	7	19.91	20.01	19.98	19.92	19.96	20.00	21	0.2
5	64QAM	12	13	19.94	19.98	19.99	19.94	20.07	19.91		
5	64QAM	25	0	20.06	20.00	19.91	19.96	20.06	19.98	19	2.2
5	256QAM	1	0	18.14	18.19	18.27	18.06	18.10	18.07		
5	256QAM	1	12	18.09	18.22	18.02	18.02	18.09	18.06	19	2.2
5	256QAM	1	24	18.20	18.01	18.24	18.11	18.24	18.07		
5	256QAM	12	0	18.10	18.22	18.02	18.20	18.06	17.92	19	2.2
5	256QAM	12	7	18.01	17.98	18.05	18.18	18.02	18.11		
5	256QAM	12	13	18.09	18.22	18.02	18.01	18.10	18.20	19	2.2
5	256QAM	25	0	18.15	18.04	17.98	18.08	18.01	18.20		

Reduced Power Mode for ECI 6

Ant 0

GSM900 Ant0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GPRS 4 Tx slots		27.21	27.22	27.06	28.50	24.21	24.22	24.06	25.50

Band		WCDMA V Ant0		Tune-up	
TX Channel	Limit	4132	4152	4233	Limit
Frequency (MHz)		4357	4407	4458	
SCPP Ref 99	22.51	22.51	22.36	24.00	

Band 5 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	20525	20600		
Frequency (MHz)				1860	1860	1900		
10	QPSK	1	0	22.33	22.43	22.31	24	0
10	QPSK	25	0	21.36	21.38	21.28	23	1
10	QPSK	50	0	21.36	21.41	21.32		

Band 2 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18800	19100		
Frequency (MHz)				1860	1860	1900		
20	QPSK	1	0	21.45	21.63	21.49	22.8	0
20	QPSK	50	0	21.48	21.59	21.48		
20	QPSK	100	0	21.44	21.55	21.43	22.8	0

Band 2 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				100	0	-100		
Frequency (MHz)				10	0	-10		
20	QPSK	1	0	19.97	20.11	19.94	21.2	0
20	QPSK	50	0	19.91	20.05	19.83		
20	QPSK	100	0	19.94	20.00	19.93	21.2	0

Band 26 for FCC Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				26715	26715	26715		
15	QPSK	1	0	22.30	22.48	22.45	24	0
15	QPSK	36	0	21.38	21.57	21.45		
15	QPSK	75	0	21.37	21.47	21.38	23	1

Band 42 FCC Part27Q Ant5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				42190	42590	42990		
20	QPSK	1	0	20.70	20.80	20.73	21.4	0
20	QPSK	50	0	20.76	20.82	20.73		
20	QPSK	100	0	20.71	20.79	20.78	21.4	0

Ant 1

GSM900 Ant1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GPRS 3 Tx slots		25.28	25.33	25.26	26.50	21.02	21.07	21.00	22.24

Band		WCDMA 8 Ant1		Tune-up	
TX Channel	Limit	9862	9860	9858	Limit
Frequency (MHz)		1852.4	1860	1907.6	
SCPP Ref 99	22.04	22.04	22.08	23.10	

Band 26 for FCC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				26715	26715	26715		
15	QPSK	1	0	22.53	22.54	22.45	24	0
15	QPSK	36	0	21.48	21.53	21.48		
15	QPSK	75	0	21.58	21.61	21.38	23	1

Band 7 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.34	20.46	20.19	21.4	0
20	QPSK	50	0	20.31	20.39	20.29	21.4	0
20	QPSK	100	0	20.31	20.35	20.28		

Band 5 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.35	22.49	22.41	24	0
10	QPSK	25	0	21.41	21.48	21.35	23	1
10	QPSK	50	0	21.37	21.43	21.26		

Band 38 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				100	0	-100		
Frequency (MHz)				10	0	-10		
20	QPSK	1	0	21.69	21.72	21.68	22.9	0
20	QPSK	50	0	21.67	21.68	21.66		
20	QPSK	100	0	21.57	21.69	21.59	22.9	0

Band 38 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.90	22.93	22.73	24	0
20	QPSK	50	0	21.89	21.97	21.70		
20	QPSK	100	0	21.82	21.85	21.68	23	1

Band 7 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.69	18.82	18.60	19.8	0
20	QPSK	50	0	18.61	18.74	18.67		
20	QPSK	100	0	18.51	18.53	18.46	19.8	0

Band 71											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 133222	Power Middle Ch./Freq. 133322	Power High Ch./Freq. 133372	Tune-up limit (dBm)	MPR (dB)			
Channel				673	683	688					
20	QPSK	1	0	22.63	22.82	22.66	24	0			
20	QPSK	1	49	22.70	22.69	22.57					
20	QPSK	1	99	22.59	22.63	22.65					
20	QPSK	50	0	21.81	21.87	21.68					
20	QPSK	50	24	21.78	21.80	21.79	23	1			
20	QPSK	50	50	21.75	21.77	21.78					
20	QPSK	100	0	21.70	21.79	21.65					
20	16QAM	1	0	21.97	22.12	22.05					
20	16QAM	1	49	22.06	22.15	22.11	23	1			
20	16QAM	1	99	21.99	22.02	22.21					
20	16QAM	50	0	20.66	20.85	20.77					
20	16QAM	50	24	20.56	20.79	20.74					
20	16QAM	50	50	20.65	20.71	20.77	22	2			
20	16QAM	100	0	20.89	20.82	20.84					
20	64QAM	1	0	20.53	20.71	20.66					
20	64QAM	1	49	20.76	20.88	20.55					
20	64QAM	1	99	20.53	20.72	20.93	22				
20	64QAM	50	0	19.70	19.75	19.76					
20	64QAM	50	24	19.61	19.90	19.87					
20	64QAM	50	50	19.74	19.67	19.85					
20	256QAM	1	0	17.72	17.84	17.88	19	5			
20	256QAM	1	49	17.65	17.74	17.56					
20	256QAM	1	99	17.86	17.73	17.91					
20	256QAM	50	0	17.68	17.81	17.64					
20	256QAM	50	24	17.81	17.69	17.72	19	5			
20	256QAM	50	50	17.71	17.86	17.69					
20	256QAM	100	0	17.88	17.70	17.90					
Channel				670.5	680.5	690.5	Tune-up limit (dBm)				
Frequency (MHz)				670.5	680.5	690.5					
15	QPSK	1	0	22.48	22.73	22.52	24	0			
15	QPSK	1	37	22.35	22.62	22.49					
15	QPSK	1	74	22.32	22.54	22.60					
15	QPSK	36	0	21.65	21.82	21.60					
15	QPSK	36	20	21.64	21.67	21.74	23	1			
15	QPSK	36	39	21.65	21.70	21.71					
15	QPSK	75	0	21.62	21.63	21.50					
15	16QAM	1	0	21.86	22.04	21.99					
15	16QAM	1	37	21.97	22.04	21.99	23	1			
15	16QAM	1	74	21.95	21.88	22.08					
15	16QAM	36	0	20.60	20.77	20.89					
15	16QAM	36	20	20.48	20.72	20.69					
15	16QAM	36	39	20.49	20.59	20.73	22	2			
15	16QAM	75	0	20.73	20.76	20.76					
15	64QAM	1	0	20.45	20.62	20.55					
15	64QAM	1	37	20.69	20.78	20.44					
15	64QAM	1	74	20.46	20.65	20.79	22	2			
15	64QAM	36	0	19.81	19.64	19.69					
15	64QAM	36	20	19.47	19.78	19.75					
15	64QAM	36	39	19.63	19.52	19.73					
15	64QAM	75	0	19.68	19.55	19.86	19	5			
15	256QAM	1	0	17.62	17.78	17.75					
15	256QAM	1	37	17.60	17.64	17.39					
15	256QAM	1	74	17.60	17.60	17.67					
15	256QAM	36	0	17.55	17.76	17.51	19	5			
15	256QAM	36	20	17.67	17.60	17.58					
15	256QAM	36	39	17.59	17.81	17.61					
15	256QAM	75	0	17.76	17.59	17.77	Tune-up limit (dBm)				
Channel				133172	133272	133472	MPR (dB)				
Frequency (MHz)				668	678	693					
10	QPSK	1	0	22.53	22.71	22.61	24	0			
10	QPSK	1	25	22.58	22.57	22.52					
10	QPSK	1	49	22.48	22.53	22.52					
10	QPSK	25	0	21.75	21.82	21.62					
10	QPSK	25	12	21.69	21.66	21.74	23	1			
10	QPSK	25	25	21.61	21.68	21.65					
10	QPSK	50	0	21.59	21.67	21.61					
10	16QAM	1	0	21.83	22.01	21.92					
10	16QAM	1	25	22.03	22.02	22.06	23	1			
10	16QAM	1	49	21.89	21.97	22.06					
10	16QAM	25	0	20.61	20.78	20.66					
10	16QAM	25	12	20.46	20.64	20.66					
10	16QAM	25	25	20.51	20.57	20.66	22	2			
10	16QAM	50	0	20.76	20.75	20.72					
10	64QAM	1	0	20.43	20.63	20.54					
10	64QAM	1	25	20.62	20.76	20.49					
10	64QAM	1	49	20.44	20.58	20.63	22	2			
10	64QAM	25	0	19.63	19.68	19.60					
10	64QAM	25	12	19.05	19.81	19.82					
10	64QAM	25	25	19.60	19.54	19.75					
10	256QAM	1	0	19.72	19.54	19.82	21	3			
10	256QAM	1	25	17.62	17.77	17.74					
10	256QAM	1	49	17.57	17.69	17.49					
10	256QAM	1	99	17.50	17.62	17.63					
10	256QAM	25	0	17.58	17.65	17.51	19	5			
10	256QAM	25	12	17.73	17.55	17.62					
10	256QAM	25	25	17.64	17.79	17.65					
10	256QAM	50	0	17.63	17.65	17.77				Tune-up limit (dBm)	
Channel				133147	133247	133447	MPR (dB)				
Frequency (MHz)				665.5	675.5	695.5					
5	QPSK	1	0	22.56	22.69	22.57	24	0			
5	QPSK	1	12	22.45	22.55	22.47					
5	QPSK	1	24	22.46	22.50	22.58					
5	QPSK	12	0	21.77	21.73	21.58					
5	QPSK	12	7	21.72	21.73	21.75	23	1			
5	QPSK	12	13	21.69	21.84	21.63					
5	QPSK	25	0	21.55	21.65	21.60					
5	16QAM	1	0	21.81	22.08	21.96					
5	16QAM	1	12	22.01	22.04	22.02	23	1			
5	16QAM	1	24	21.90	21.96	22.09					
5	16QAM	12	0	20.56	20.78	20.64					
5	16QAM	12	7	20.41	20.70	20.60					
5	16QAM	12	13	20.51	20.56	20.66	22	2			
5	16QAM	25	0	20.84	20.77	20.75					
5	64QAM	1	0	20.46	20.67	20.53					
5	64QAM	1	12	20.68	20.84	20.45					
5	64QAM	1	24	20.46	20.59	20.84	21	3			
5	64QAM	12	0	19.60	19.68	19.71					
5	64QAM	12	7	19.05	19.80	19.80					
5	64QAM	12	13	19.64	19.56	19.77					
5	256QAM	1	0	17.61	17.79	17.77	19	5			
5	256QAM	1	12	17.60	17.69	17.85					
5	256QAM	1	24	17.54	17.76	17.54					
5	256QAM	12	0	17.67	17.62	17.67					
5	256QAM	12	13	17.58	17.71	17.61	19	5			
5	256QAM	25	0	17.73	17.64	17.84					

Band 41 Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel				39750	40165	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.74	22.63	22.63	22.68	22.63	24
20	QPSK	1	49	22.78	22.47	22.63	22.48	22.48	
20	QPSK	1	99	22.70	22.65	22.64	22.49	22.48	23
20	QPSK	50	0	21.79	21.78	21.93	21.62	21.69	
20	QPSK	50	24	21.76	21.55	21.65	21.54	21.57	23
20	QPSK	50	50	21.82	21.64	21.67	21.59	21.58	
20	QPSK	100	0	21.68	21.47	21.77	21.70	21.48	23
20	16QAM	1	0	21.79	21.55	21.74	21.69	21.47	
20	16QAM	1	49	21.83	21.57	21.62	21.57	21.45	23
20	16QAM	50	24	21.64	21.64	21.66	21.36	21.33	
20	16QAM	50	0	20.86	20.58	20.72	20.63	20.54	22
20	16QAM	50	24	20.73	20.57	20.76	20.59	20.59	
20	16QAM	50	50	20.70	20.53	20.68	20.48	20.60	22
20	15QAM	100	0	20.56	20.36	20.71	20.61	20.54	
20	64QAM	1	0	17.58	17.66	17.72	17.51	17.51	22
20	64QAM	1	49	20.63	20.54	20.72	20.41	20.49	
20	64QAM	1	99	20.65	20.45	20.70	20.41	20.43	21
20	64QAM	50	0	19.68	19.76	19.82	19.65	19.64	
20	64QAM	50	24	19.84	19.59	19.88	19.60	19.65	21
20	64QAM	50	50	19.87	19.58	19.79	19.54	19.44	
20	64QAM	100	0	19.73	19.52	19.72	19.48	19.51	19
20	256QAM	1	0	17.86	17.59	17.64	17.65	17.57	
20	256QAM	1	49	17.73	17.53	17.74	17.66	17.48	19
20	256QAM	1	99	17.52	17.60	17.68	17.45	17.45	
20	256QAM	50	0	17.73	17.70	17.79	17.72	17.59	19
20	256QAM	50	24	17.91	17.46	17.63	17.63	17.55	
20	256QAM	50	50	17.72	17.71	17.62	17.59	17.50	20
20	256QAM	100	0	17.58	17.66	17.72	17.51	17.51	
Channel				39725	41121	40520	41058	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.75	22.63	22.63	22.54	22.65	24
15	QPSK	1	37	22.80	22.60	22.72	22.54	22.47	
15	QPSK	1	74	22.84	22.72	22.86	22.56	22.47	23
15	QPSK	36	0	21.70	21.73	21.84	21.61	21.62	
15	QPSK	36	20	21.82	21.69	21.79	21.66	21.65	23
15	QPSK	36	39	21.80	21.65	21.76	21.67	21.50	
15	16QAM	75	0	21.69	21.47	21.62	21.59	21.49	23
15	16QAM	1	0	21.93	21.53	21.75	21.66	21.48	
15	16QAM	1	37	21.87	21.58	21.63	21.44	21.46	22
15	16QAM	1	74	21.67	21.74	21.63	21.44	21.45	
15	16QAM	36	0	20.92	20.50	20.62	20.58	20.49	22
15	16QAM	36	20	20.74	20.54	20.65	20.59	20.56	
15	16QAM	36	39	20.68	20.51	20.60	20.56	20.53	22
15	16QAM	75	0	20.58	20.59	20.69	20.56	20.55	
15	64QAM	1	0	20.78	20.36	20.73	20.55	20.44	22
15	64QAM	1	37	20.69	20.48	20.61	20.31	20.49	
15	64QAM	1	74	20.75	20.48	20.55	20.52	20.41	21
15	64QAM	36	0	19.68	19.72	19.77	19.76	19.64	
15	64QAM	36	20	19.65	19.58	19.66	19.73	19.61	19
15	64QAM	36	39	19.78	19.49	19.65	19.67	19.49	
15	64QAM	75	0	19.74	19.64	19.72	19.67	19.51	19
15	256QAM	1	0	17.81	17.59	17.70	17.63	17.49	
15	256QAM	1	37	17.69	17.45	17.85	17.55	17.49	19
15	256QAM	1	74	17.68	17.64	17.76	17.53	17.48	
15	256QAM	36	0	17.84	17.57	17.67	17.79	17.69	19
15	256QAM	36	20	17.90	17.58	17.81	17.69	17.46	
15	256QAM	36	39	17.63	17.76	17.48	17.67	17.43	19
15	256QAM	75	0	17.58	17.57	17.59	17.60	17.41	
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2491	2541	2591	2641	2691	
10	QPSK	1	0	22.84	22.77	22.74	22.69	22.54	24
10	QPSK	1	25	22.86	22.56	22.63	22.73	22.50	
10	QPSK	1	49	22.58	22.67	22.72	22.46	22.46	23
10	QPSK	25	0	21.68	21.65	21.91	21.55	21.58	
10	QPSK	25	12	21.83	21.54	21.81	21.58	21.67	23
10	QPSK	50	0	21.69	21.54	21.76	21.67	21.45	
10	QPSK	50	0	21.68	21.53	21.68	21.54	21.48	23
10	16QAM	1	0	21.82	21.51	21.75	21.70	21.36	
10	16QAM	1	25	21.76	21.56	21.66	21.45	21.45	23
10	16QAM	1	49	21.79	21.59	21.65	21.53	21.37	
10	16QAM	25	0	20.80	20.58	20.74	20.66	20.47	22
10	16QAM	25	12	20.65	20.62	20.81	20.52	20.62	
10	16QAM	25	25	20.76	20.63	20.62	20.60	20.54	22
10	16QAM	50	0	20.61	20.46	20.72	20.64	20.42	
10	64QAM	1	0	20.76	20.35	20.65	20.47	20.52	22
10	64QAM	1	25	20.59	20.53	20.65	20.41	20.41	
10	64QAM	1	49	20.72	20.57	20.66	20.49	20.29	21
10	64QAM	25	0	19.81	19.70	19.86	19.67	19.67	
10	64QAM	25	12	19.71	19.58	19.67	19.55	19.70	21
10	64QAM	25	25	19.78	19.55	19.74	19.46	19.50	
10	64QAM	50	0	19.69	19.55	19.77	19.45	19.48	19
10	256QAM	1	0	17.74	17.65	17.79	17.72	17.56	
10	256QAM	1	25	17.74	17.43	17.64	17.66	17.50	19
10	256QAM	1	49	17.63	17.68	17.67	17.49	17.54	
10	256QAM	25	0	17.69	17.72	17.81	17.63	17.61	19
10	256QAM	25	12	17.92	17.50	17.70	17.58	17.57	
10	256QAM	25	25	17.74	17.79	17.68	17.51	17.55	19
10	256QAM	50	0	17.68	17.77	17.73	17.60	17.56	
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2488.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	22.77	22.58	22.66	22.74	22.54	24
5	QPSK	1	12	22.84	22.47	22.63	22.56	22.45	
5	QPSK	1	24	22.72	22.59	22.61	22.52	22.54	23
5	QPSK	12	0	21.68	21.86	21.83	21.64	21.74	
5	QPSK	12	7	21.74	21.53	21.91	21.65	21.56	23
5	QPSK	12	19	21.73	21.57	21.69	21.61	21.51	
5	QPSK	25	0	21.63	21.59	21.67	21.60	21.39	23
5	16QAM	1	0	21.87	21.55	21.59	21.80	21.47	
5	16QAM	1	12	21.78	21.48	21.57	21.48	21.44	23
5	16QAM	1	24	21.71	21.66	21.59	21.67	21.46	
5	16QAM	12	0	20.94	20.58	20.77	20.69	20.55	22
5	16QAM	12	7	20.86	20.57	20.71	20.57	20.51	
5	16QAM	12	13	20.63	20.46	20.77	20.66	20.61	22
5	16QAM	25	0	20.54	20.58	20.73	20.58	20.51	
5	64QAM	1	0	20.61	20.32	20.70	20.41	20.46	22
5	64QAM	1	12	20.66	20.51	20.77	20.43	20.42	
5	64QAM	1	24	20.73	20.44	20.60	20.42	20.37	21
5	64QAM	12	0	19.61	19.73	19.69	19.76	19.54	
5	64QAM	12	7	19.71	19.68	19.76	19.76	19.71	21
5	64QAM	12	13	19.74	19.53	19.70	19.53	19.32	
5	64QAM	25	0	19.79	19.60	19.76	19.53	19.48	19
5	256QAM	1	0	17.85	17.59	17.69	17.64	17.52	
5	256QAM	1	12	17.66	17.56	17.67	17.64	17.42	19
5	256QAM	1	24	17.55	17.58	17.78	17.56	17.41	
5	256QAM	12	0	17.76	17.73	17.74	17.69	17.65	19
5	256QAM	12	7	17.80	17.48	17.64	17.75	17.45	
5	256QAM	12	13	17.73	17.59	17.57	17.53	17.57	19
5	256QAM	25	0	17.64	17.71	17.79	17.49	17.56	

Band 41 HPUE										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				39750	40165	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.81	25.69	25.93	25.62	25.58	27	0
20	QPSK	1	49	25.81	25.53	25.73	25.63	25.47		
20	QPSK	50	0	25.62	25.58	25.58	25.56	25.45		
20	QPSK	50	0	24.73	24.78	24.86	24.57	24.59		
20	QPSK	50	24	24.74	24.57	24.75	24.54	24.58	26	1
20	QPSK	100	0	24.61	24.52	24.52	24.52	24.38		
20	16QAM	1	0	24.76	24.48	24.65	24.59	24.42		
20	16QAM	1	49	24.71	24.44	24.64	24.52	24.48		
20	16QAM	1	99	24.64	24.64	24.65	24.50	24.36	25	2
20	16QAM	50	0	23.84	23.52	23.67	23.51	23.51		
20	16QAM	50	24	23.71	23.67	23.73	23.53	23.58		
20	16QAM	50	50	23.74	23.54	23.63	23.44	23.59		
20	16QAM	100	0	23.53	23.47	23.67	23.54	23.50	25	2
20	64QAM	1	0	23.58	23.34	23.62	23.48	23.55		
20	64QAM	1	49	23.55	23.43	23.72	23.51	23.36		
20	64QAM	1	99	23.71	23.50	23.65	23.35	23.26		
20	64QAM	50	0	22.63	22.76	22.88	22.60	22.52	24	3
20	64QAM	50	24	22.71	22.47	22.90	22.60	22.52		
20	64QAM	50	50	22.80	22.46	22.63	22.33	22.47		
20	64QAM	100	0	22.68	22.52	22.61	22.47	22.47		
20	256QAM	1	0	20.77	20.59	20.68	20.57	20.52	22	5
20	256QAM	1	49	20.76	20.45	20.69	20.46	20.37		
20	256QAM	1	99	20.54	20.56	20.74	20.56	20.34		
20	256QAM	50	0	20.74	20.61	20.75	20.50	20.54		
20	256QAM	50	24	20.86	20.53	20.80	20.57	20.47	22	5
20	256QAM	50	50	20.61	20.69	20.53	20.49	20.51		
20	256QAM	100	0	20.57	20.63	20.71	20.53	20.43		
Channel				39750	40165	40620	41055	41490		
Frequency (MHz)				2503.5	2549.3	2593	2637.8	2682.5		
15	QPSK	1	0	25.66	25.47	25.77	25.48	25.54	27	0
15	QPSK	1	37	25.73	25.49	25.84	25.49	25.36		
15	QPSK	1	74	25.54	25.61	25.60	25.50	25.37		
15	QPSK	36	0	24.62	24.52	24.63	24.52	24.52		
15	QPSK	36	20	24.73	24.53	24.72	24.52	24.58	26	1
15	QPSK	36	39	24.66	24.46	24.58	24.62	24.42		
15	QPSK	75	0	24.52	24.40	24.71	24.53	24.45		
15	16QAM	1	0	24.82	24.37	24.67	24.42	24.35		
15	16QAM	1	37	24.72	24.54	24.80	24.34	24.38	26	1
15	16QAM	1	74	24.61	24.65	24.48	24.40	24.37		
15	16QAM	36	0	23.83	23.40	23.74	23.49	23.40		
15	16QAM	36	20	23.65	23.40	23.64	23.49	23.50		
15	16QAM	36	39	23.57	23.47	23.54	23.45	23.45	25	2
15	16QAM	75	0	23.47	23.51	23.68	23.52	23.43		
15	64QAM	1	0	23.65	23.33	23.61	23.42	23.31		
15	64QAM	1	37	23.54	23.53	23.68	23.16	23.45		
15	64QAM	1	74	23.55	23.46	23.65	23.31	23.36	25	2
15	64QAM	36	0	22.59	22.68	22.68	22.25	22.47		
15	64QAM	36	20	22.60	22.40	22.84	22.62	22.55		
15	64QAM	36	39	22.68	22.53	22.59	22.47	22.51		
15	64QAM	75	0	22.67	22.40	22.63	22.48	22.46	24	3
15	256QAM	1	0	20.70	20.44	20.68	20.46	20.32		
15	256QAM	1	37	20.63	20.41	20.69	20.45	20.44		
15	256QAM	1	74	20.50	20.53	20.70	20.38	20.35		
15	256QAM	36	0	20.53	20.57	20.59	20.67	20.55	22	5
15	256QAM	36	20	20.62	20.48	20.68	20.52	20.42		
15	256QAM	36	39	20.53	20.69	20.49	20.52	20.38		
15	256QAM	75	0	20.56	20.61	20.57	20.50	20.32		
Channel				39700	40100	40620	41080	41540		
Frequency (MHz)				2501	2545.8	2591.3	2635.3	2679.5		
10	QPSK	1	0	25.75	25.67	25.67	25.62	25.39	27	0
10	QPSK	1	25	25.68	25.47	25.49	25.69	25.45		
10	QPSK	1	49	25.58	25.58	25.64	25.42	25.38		
10	QPSK	25	0	24.64	24.78	24.67	24.64	24.51		
10	QPSK	25	12	24.75	24.46	24.77	24.50	24.59	26	1
10	QPSK	25	25	24.57	24.47	24.62	24.63	24.55		
10	16QAM	1	0	24.80	24.48	24.58	24.43	24.43		
10	16QAM	1	0	24.76	24.57	24.65	24.58	24.43		
10	16QAM	1	0	24.75	24.45	24.57	24.49	24.38	26	1
10	16QAM	1	49	24.67	24.55	24.49	24.41	24.30		
10	16QAM	25	0	23.70	23.45	23.61	23.56	23.44		
10	16QAM	25	12	23.59	23.51	23.73	23.37	23.59		
10	16QAM	25	25	23.84	23.56	23.68	23.39	23.47	25	2
10	16QAM	50	0	23.53	23.41	23.61	23.52	23.50		
10	64QAM	1	0	23.64	23.26	23.62	23.33	23.45		
10	64QAM	1	25	23.62	23.50	23.51	23.30	23.30		
10	64QAM	1	49	23.62	23.54	23.55	23.43	23.24	25	2
10	64QAM	25	0	22.68	22.66	22.67	22.59	22.60		
10	64QAM	25	12	22.58	22.49	22.73	22.52	22.59		
10	64QAM	25	25	22.77	22.48	22.59	22.38	22.38		
10	64QAM	50	0	22.66	22.44	22.65	22.35	22.41	24	3
10	256QAM	1	0	20.64	20.59	20.67	20.50	20.47		
10	256QAM	1	25	20.69	20.40	20.67	20.51	20.48		
10	256QAM	1	49	20.49	20.54	20.59	20.40	20.45		
10	256QAM	25	0	20.57	20.67	20.72	20.57	20.50	22	5
10	256QAM	25	13	20.79	20.33	20.75	20.30	20.49		
10	256QAM	25	25	20.65	20.71	20.59	20.38	20.47		
10	256QAM	50	0	20.59	20.72	20.68	20.57	20.45		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2503.5	2549.8	2591.3	2635.3	2679.5		
5	QPSK	1	0	25.65	25.44	25.73	25.68	25.47	27	0
5	QPSK	1	12	25.78	25.43	25.85	25.52	25.34		
5	QPSK	1	24	25.58	25.48	25.54	25.41	25.43		
5	QPSK	12	0	24.66	24.70	24.67	24.52	24.43		
5	QPSK	12	7	24.70	24.42	24.75	24.49	24.50	26	1
5	QPSK	12	13	24.60	24.51	24.65	24.57	24.36		
5	QPSK	25	0	24.48	24.52	24.61	24.44	24.31		
5	16QAM	1	0	24.76	24.50	24.49	24.48	24.42		
5	16QAM	1	12	24.61	24.36	24.65	24.41	24.34	26	1
5	16QAM	1	24	24.67	24.53	24.54	24.39	24.30		
5	16QAM	12	0	23.91	23.51	23.74	23.62	23.53		
5	16QAM	12	7	23.74	23.46	23.64	23.41	23.59		
5	16QAM	12	13	23.53	23.59	23.65	23.48	23.52	25	2
5	16QAM	25	0	23.44	23.40	23.68	23.49	23.45		
5	64QAM	1	0	23.44	23.20	23.65	23.35	23.45		
5	64QAM	1	12	23.62	23.41	23.69	23.34	23.31		
5	64QAM	1	24	23.67	23.33	23.56	23.38	23.37	25	2
5	64QAM	12	0	22.46	22.72	22.70	22.73	22.70		
5	64QAM	12	7	22.59	22.58	22.61	22.70	22.66		
5	64QAM	12	13	22.70	22.43	22.67	22.45	22.26		
5	256QAM	25	0	22.69	22.49	22.70	22.46	22.32	22	5
5	256QAM	1	0	20.71	20.57	20.55	20.52	20.45		
5	256QAM	1	12	20.55	20.55	20.75	20.50	20.42		
5	256QAM	1	24	20.46	20.46	20.70	20.47	20.31		
5	256QAM	12	0	20.63	20.64	20.68	20.58	20.54	22	5
5	256QAM	12	7	20.74	20.44	20.54	20.60	20.35		
5	256QAM	12	13	20.68	20.51	20.65	20.43	20.47		
5	256QAM	25	0	20.53	20.63	20.68	20.43	20.52		

Band 71									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133322	133372	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				673	683	688			
20	QPSK	1	0	22.50	22.75	22.57	24	0	
20	QPSK	1	49	22.59	22.59	22.44			
20	QPSK	1	99	22.52	22.52	22.56			
20	QPSK	50	0	21.68	21.76	21.55			
20	QPSK	50	24	21.71	21.69	21.73	23	1	
20	QPSK	50	50	21.61	21.67	21.68			
20	QPSK	100	0	21.54	21.75	21.51			
20	16QAM	1	0	21.86	22.05	21.96			
20	16QAM	1	49	22.01	22.06	22.05	23	1	
20	16QAM	1	99	21.90	21.89	22.15			
20	16QAM	50	0	20.55	20.80	20.70			
20	16QAM	50	24	20.44	20.72	20.67			
20	16QAM	50	50	20.56	20.61	20.86	22	2	
20	16QAM	100	0	20.84	20.69	20.76			
20	64QAM	1	0	20.48	20.64	20.57			
20	64QAM	1	49	20.69	20.74	20.48			
20	64QAM	1	99	20.43	20.57	20.85	22	2	
20	64QAM	50	0	19.56	19.61	19.63			
20	64QAM	50	24	19.48	19.77	19.73			
20	64QAM	50	50	19.62	19.59	19.76			
20	64QAM	100	0	19.62	19.58	19.81	21	3	
20	256QAM	1	0	17.62	17.69	17.82			
20	256QAM	1	49	17.55	17.64	17.47			
20	256QAM	1	99	17.57	17.63	17.84			
20	256QAM	50	0	17.60	17.69	17.59	19	5	
20	256QAM	50	24	17.69	17.58	17.57			
20	256QAM	50	50	17.62	17.81	17.64			
20	256QAM	100	0	17.79	17.64	17.81			
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	22.37	22.63	22.42	24	0	
15	QPSK	1	37	22.44	22.54	22.31			
15	QPSK	1	74	22.39	22.40	22.42			
15	QPSK	36	0	21.53	21.70	21.50			
15	QPSK	36	20	21.57	21.59	21.64	23	1	
15	QPSK	36	39	21.51	21.56	21.62			
15	QPSK	75	0	21.49	21.67	21.45			
15	16QAM	1	0	21.76	21.59	21.84			
15	16QAM	1	37	21.94	22.00	21.98	23	1	
15	16QAM	1	74	21.79	21.78	22.04			
15	16QAM	36	0	20.48	20.68	20.59			
15	16QAM	36	20	20.34	20.60	20.66			
15	16QAM	36	39	20.43	20.51	20.59	22	2	
15	16QAM	75	0	20.73	20.55	20.63			
15	64QAM	1	0	20.38	20.55	20.52			
15	64QAM	1	37	20.61	20.64	20.40			
15	64QAM	1	74	20.31	20.43	20.75	22	2	
15	64QAM	36	0	19.51	19.49	19.56			
15	64QAM	36	20	19.40	19.65	19.64			
15	64QAM	36	39	19.47	19.44	19.65			
15	64QAM	75	0	19.56	19.52	19.74	21	3	
15	256QAM	1	0	17.49	17.55	17.67			
15	256QAM	1	37	17.40	17.57	17.35			
15	256QAM	1	74	17.47	17.55	17.70			
15	256QAM	36	0	17.48	17.56	17.45	19	5	
15	256QAM	36	20	17.65	17.52	17.52			
15	256QAM	36	39	17.47	17.76	17.56			
15	256QAM	75	0	17.64	17.56	17.72			
Channel				133172	133272	133372	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				686	676	693			
10	QPSK	1	0	22.37	22.68	22.47	24	0	
10	QPSK	1	25	22.48	22.46	22.29			
10	QPSK	1	49	22.47	22.40	22.42			
10	QPSK	25	0	21.59	21.66	21.41			
10	QPSK	25	12	21.65	21.59	21.66	23	1	
10	QPSK	25	25	21.46	21.59	21.56			
10	QPSK	50	0	21.41	21.68	21.38			
10	16QAM	1	0	21.71	21.97	21.80			
10	16QAM	1	25	21.92	21.94	21.98	23	1	
10	16QAM	1	49	21.85	21.80	22.07			
10	16QAM	25	0	20.40	20.70	20.66			
10	16QAM	25	12	20.37	20.63	20.60			
10	16QAM	25	25	20.48	20.48	20.51	22	2	
10	16QAM	50	0	20.72	20.62	20.73			
10	64QAM	1	0	20.44	20.51	20.44			
10	64QAM	1	25	20.59	20.68	20.44			
10	64QAM	1	49	20.32	20.47	20.70	22	2	
10	64QAM	25	0	19.47	19.50	19.54			
10	64QAM	25	12	19.43	19.68	19.61			
10	64QAM	25	25	19.55	19.49	19.64			
10	64QAM	50	0	19.46	19.48	19.68	21	3	
10	256QAM	1	0	17.51	17.59	17.76			
10	256QAM	1	25	17.41	17.59	17.38			
10	256QAM	1	49	17.53	17.58	17.77			
10	256QAM	25	0	17.54	17.60	17.37	19	5	
10	256QAM	25	12	17.62	17.54	17.47			
10	256QAM	25	25	17.48	17.72	17.52			
10	256QAM	50	0	17.54	17.51	17.66			
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				695.5	675.5	695.5			
5	QPSK	1	0	22.45	22.69	22.51	24	0	
5	QPSK	1	12	22.47	22.52	22.32			
5	QPSK	1	24	22.48	22.41	22.51			
5	QPSK	12	0	21.61	21.63	21.39			
5	QPSK	12	7	21.64	21.57	21.57	23	1	
5	QPSK	12	13	21.56	21.52	21.61			
5	QPSK	25	0	21.39	21.61	21.45			
5	16QAM	1	0	21.78	21.92	21.81			
5	16QAM	1	12	21.86	21.99	21.91	23	1	
5	16QAM	1	24	21.83	21.78	22.06			
5	16QAM	12	0	20.48	20.67	20.59			
5	16QAM	12	7	20.37	20.64	20.58			
5	16QAM	12	13	20.42	20.48	20.62	22	2	
5	16QAM	25	0	20.76	20.59	20.86			
5	64QAM	1	0	20.43	20.51	20.47			
5	64QAM	1	12	20.57	20.64	20.44			
5	64QAM	1	24	20.38	20.46	20.80	21	3	
5	64QAM	12	0	19.49	19.56	19.47			
5	64QAM	12	7	19.41	19.66	19.62			
5	64QAM	12	13	19.47	19.49	19.69			
5	64QAM	25	0	19.56	19.54	19.69	19	5	
5	256QAM	1	0	17.48	17.55	17.68			
5	256QAM	1	12	17.44	17.55	17.40			
5	256QAM	1	24	17.49	17.49	17.73			
5	256QAM	12	0	17.53	17.60	17.37			
5	256QAM	12	7	17.56	17.48	17.43	19	5	
5	256QAM	12	13	17.51	17.68	17.56			
5	256QAM	25	0	17.73	17.54	17.68			

Band 41 Ant4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40165	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.47	21.55	21.70	21.53	21.44	22.3	0
20	QPSK	1	49	21.58	21.54	21.48	21.58	21.55		
20	QPSK	1	99	21.67	21.66	21.61	21.62	21.68	22.3	0
20	QPSK	50	0	21.53	21.53	21.66	21.62	21.49		
20	QPSK	50	24	21.61	21.56	21.62	21.56	21.63	22.3	0
20	QPSK	50	50	21.54	21.51	21.50	21.46	21.52		
20	QPSK	100	0	21.50	21.60	21.64	21.47	21.62	22.3	0
20	16QAM	1	0	21.61	21.52	21.58	21.60	21.64		
20	16QAM	1	49	21.51	21.48	21.56	21.54	21.47	22.3	0
20	16QAM	1	99	21.49	21.56	21.64	21.49	21.59		
20	16QAM	50	0	20.67	20.57	20.67	20.71	20.62	21.4	0.9
20	16QAM	50	24	20.55	20.64	20.64	20.66	20.53		
20	16QAM	50	50	20.70	20.62	20.58	20.65	20.61	21.4	0.9
20	16QAM	100	0	20.62	20.62	20.75	20.58	20.65		
20	64QAM	1	0	20.75	20.65	20.67	20.63	20.67	21.4	0.9
20	64QAM	1	49	20.70	20.49	20.64	20.74	20.65		
20	64QAM	1	99	20.70	20.68	20.59	20.62	20.58	20.4	1.9
20	64QAM	50	0	19.64	19.69	19.64	19.75	19.60		
20	64QAM	50	24	19.62	19.50	19.60	19.56	19.74	20.4	1.9
20	64QAM	50	50	19.62	19.67	19.62	19.61	19.75		
20	256QAM	1	0	17.76	17.54	17.55	17.58	17.44	18.4	3.9
20	256QAM	1	49	17.79	17.52	17.75	17.62	17.38		
20	256QAM	1	99	17.55	17.59	17.66	17.45	17.41	18.4	3.9
20	256QAM	50	0	17.67	17.62	17.70	17.70	17.57		
20	256QAM	50	24	17.78	17.47	17.58	17.59	17.39	18.4	3.9
20	256QAM	50	50	17.69	17.68	17.61	17.54	17.44		
20	256QAM	100	0	17.62	17.66	17.62	17.55	17.45		
Channel				39725	41121	40620	41058	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.32	21.48	21.57	21.47	21.31	22	0
15	QPSK	1	37	21.50	21.49	21.35	21.53	21.46		
15	QPSK	1	74	21.59	21.53	21.46	21.49	21.53	22.3	0
15	QPSK	36	0	21.43	21.47	21.55	21.56	21.36		
15	QPSK	36	20	21.56	21.48	21.45	21.46	21.56	22.3	0
15	QPSK	36	39	21.45	21.38	21.45	21.39	21.42		
15	QPSK	75	0	21.40	21.49	21.53	21.35	21.58	22.3	0
15	16QAM	1	0	21.15	21.44	21.44	21.52	21.53		
15	16QAM	1	37	21.37	21.38	21.46	21.40	21.36	21.4	0.9
15	16QAM	1	74	21.37	21.45	21.57	21.52	21.50		
15	16QAM	36	0	20.59	20.46	20.58	20.65	20.52	21.4	0.9
15	16QAM	36	20	20.42	20.51	20.52	20.58	20.36		
15	16QAM	36	39	20.62	20.47	20.51	20.56	20.53	21.4	0.9
15	16QAM	75	0	20.50	20.51	20.60	20.52	20.50		
15	64QAM	1	0	20.63	20.53	20.55	20.55	20.60	21.4	0.9
15	64QAM	1	37	20.57	20.48	20.57	20.57	20.53		
15	64QAM	1	74	20.58	20.61	20.48	20.56	20.50	20.4	1.9
15	64QAM	36	0	19.53	19.54	19.54	19.65	19.52		
15	64QAM	36	20	19.53	19.38	19.52	19.42	19.64	20.4	1.9
15	64QAM	36	39	19.55	19.58	19.51	19.49	19.66		
15	64QAM	75	0	19.56	19.56	19.67	19.50	19.50	18.4	3.9
15	256QAM	1	0	17.64	17.48	17.48	17.46	17.38		
15	256QAM	1	37	17.70	17.38	17.66	17.56	17.29	18.4	3.9
15	256QAM	1	74	17.49	17.51	17.60	17.31	17.26		
15	256QAM	36	0	17.56	17.47	17.61	17.45	17.47	18.4	3.9
15	256QAM	36	20	17.72	17.37	17.46	17.46	17.33		
15	256QAM	36	39	17.63	17.59	17.54	17.46	17.35	21.4	0.9
15	256QAM	75	0	17.54	17.54	17.53	17.50	17.34		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2491	2544	2591	2649	2696		
10	QPSK	1	0	21.33	21.43	21.64	21.43	21.32	22	0
10	QPSK	1	25	21.48	21.42	21.38	21.53	21.47		
10	QPSK	1	49	21.59	21.52	21.50	21.53	21.55	22.3	0
10	QPSK	25	0	21.43	21.39	21.52	21.48	21.34		
10	QPSK	25	12	21.53	21.44	21.50	21.42	21.51	22.3	0
10	QPSK	50	0	21.44	21.42	21.44	21.36	21.40		
10	QPSK	50	0	21.45	21.51	21.56	21.32	21.49	22.3	0
10	16QAM	1	0	21.46	21.44	21.51	21.47	21.49		
10	16QAM	1	37	21.37	21.42	21.45	21.42	21.42	21.4	0.9
10	16QAM	1	49	21.43	21.42	21.55	21.53	21.53		
10	16QAM	25	0	20.58	20.47	20.54	20.62	20.49	21.4	0.9
10	16QAM	25	12	20.50	20.50	20.49	20.55	20.40		
10	16QAM	25	25	20.61	20.49	20.43	20.55	20.47	21.4	0.9
10	16QAM	50	0	20.52	20.52	20.70	20.48	20.51		
10	64QAM	1	0	20.69	20.52	20.58	20.51	20.61	21.4	0.9
10	64QAM	1	25	20.65	20.54	20.58	20.60	20.55		
10	64QAM	1	49	20.63	20.56	20.50	20.49	20.49	20.4	1.9
10	64QAM	25	0	19.53	19.61	19.56	19.60	19.48		
10	64QAM	25	12	19.50	19.38	19.45	19.46	19.60	20.4	1.9
10	64QAM	25	25	19.55	19.60	19.53	19.52	19.68		
10	64QAM	50	0	19.60	19.63	19.63	19.71	19.48	18.4	3.9
10	256QAM	1	0	17.66	17.48	17.47	17.45	17.31		
10	256QAM	1	25	17.65	17.39	17.60	17.52	17.30	18.4	3.9
10	256QAM	1	49	17.47	17.48	17.52	17.33	17.32		
10	256QAM	25	0	17.54	17.51	17.56	17.58	17.51	18.4	3.9
10	256QAM	25	12	17.72	17.42	17.49	17.44	17.28		
10	256QAM	25	25	17.56	17.55	17.50	17.40	17.33	21.4	0.9
10	256QAM	50	0	17.47	17.58	17.50	17.48	17.34		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2488.5	2545.8	2593	2640.3	2687.5		
5	QPSK	1	0	21.32	21.47	21.58	21.44	21.37	22	0
5	QPSK	1	12	21.52	21.41	21.38	21.46	21.42		
5	QPSK	1	24	21.58	21.51	21.47	21.50	21.57	22.3	0
5	QPSK	12	0	21.43	21.41	21.56	21.56	21.38		
5	QPSK	12	7	21.59	21.44	21.49	21.50	21.56	22.3	0
5	QPSK	12	13	21.40	21.39	21.45	21.39	21.41		
5	QPSK	25	0	21.41	21.55	21.55	21.35	21.48	21.4	0.9
5	16QAM	1	0	21.46	21.42	21.53	21.50	21.56		
5	16QAM	1	12	21.40	21.38	21.45	21.44	21.40	21.4	0.9
5	16QAM	1	24	21.44	21.51	21.51	21.53	21.53		
5	16QAM	12	0	20.60	20.50	20.57	20.57	20.49	21.4	0.9
5	16QAM	12	7	20.45	20.52	20.52	20.57	20.41		
5	16QAM	12	13	20.56	20.55	20.45	20.54	20.50	21.4	0.9
5	16QAM	25	0	20.53	20.55	20.62	20.48	20.57		
5	64QAM	1	0	20.64	20.50	20.56	20.52	20.60	21.4	0.9
5	64QAM	1	12	20.59	20.45	20.55	20.66	20.57		
5	64QAM	1	24	20.60	20.58	20.53	20.54	20.47	20.4	1.9
5	64QAM	12	0	19.56	19.56	19.57	19.64	19.45		
5	64QAM	12	7	19.50	19.40	19.49	19.45	19.62	20.4	1.9
5	64QAM	12	13	19.56	19.62	19.48	19.52	19.66		
5	64QAM	25	0	19.55	19.56	19.60	19.67	19.52	18.4	3.9
5	64QAM	25	0	17.84	17.62	17.49	17.48	17.32		
5	256QAM	1	12	17.69	17.45	17.52	17.52	17.27	18.4	3.9
5	256QAM	1	24	17.49	17.47	17.58	17.39	17.30		
5	256QAM	12	0	17.54	17.53	17.58	17.58	17.49	18.4	3.9
5	256QAM	12	7	17.74	17.42	17.52	17.49	17.24		
5	256QAM	12	13	17.59	17.54	17.54	17.47	17.36		



Reduced Power Mode for ECI 7

Ant 0

GSM850 Ant0	Burst Average Power (dBm)				Frame Average Power (dBm)				Tune-up
TX Channel	128	189	251	Limit	128	189	251	Limit	Limit
Frequency (MHz)	844.2	848.4	848.8	(dBm)	844.2	848.4	848.8	(dBm)	
GPRS 3 Tx slots	27.21	27.22	27.06		26.90	24.21	24.22	24.06	25.50

Band	WCDMA V Ant0				Tune-up
TX Channel	4132	4182	4232		Limit
Rx Channel	4357	4407	4458		(dBm)
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	RNC 12.25bps	22.51	22.53	22.38	23.40

Band 5 Ant0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.33	22.43	22.31	24	0
10	QPSK	25	0	21.35	21.38	21.28		
10	QPSK	50	0	21.36	21.41	21.32	23	1

Band 2 Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	19.40	19.71	19.57	20.7	0
20	QPSK	50	0	19.47	19.52	19.34	20.7	0
20	QPSK	100	0	19.41	19.45	19.36		

Band 2 Ant4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	14.97	15.13	15.05	16.6	0
20	QPSK	50	0	15.04	15.09	15.05	16.6	0
20	QPSK	100	0	14.95	15.05	14.99		

Band 26 for FCC

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	0	20.91	20.97	20.80	22	0
15	QPSK	36	0	20.87	20.95	20.91		
15	QPSK	75	0	20.86	20.87	20.82	22	0

Band 42 FCC Part27Q Ant5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	14.99	15.05	14.94	16.1	0
20	QPSK	50	0	14.96	14.98	14.97	16.1	0
20	QPSK	100	0	14.87	14.98	14.95		

Ant 1

GSM1900 Ant1	Burst Average Power (dBm)				Frame Average Power (dBm)				Tune-up
TX Channel	512	661	810	Limit	512	661	810	Limit	Limit
Frequency (MHz)	1850.2	1860	1869.6	(dBm)	1850.2	1860	1869.6	(dBm)	
GPRS 3 Tx slots	25.29	25.33	25.26		26.50	21.02	21.07	21.00	22.24

Band	WCDMA I Ant1				Tune-up
TX Channel	9682	9682	9688		Limit
Rx Channel	9682	9680	9698		(dBm)
Frequency (MHz)	1852.4	1860	1867.6		
3GPP Rel 99 RNC 12.25bps	19.85	20.04	19.92		21.00

Band 26 for FCC Ant0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	0	22.53	22.54	22.45	24	0
15	QPSK	36	0	21.48	21.53	21.48		
15	QPSK	75	0	21.56	21.61	21.36	23	1

Band 7 Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	18.32	18.50	18.32	19.4	0
20	QPSK	50	0	18.21	18.40	18.24		
20	QPSK	100	0	18.19	18.37	18.31	19.4	0

Band 5 Ant4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	20.80	21.01	20.84	22	0
10	QPSK	25	0	20.86	20.93	20.91		
10	QPSK	50	0	20.86	20.92	20.91	22	0

Band 38 Ant4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	18.07	18.15	17.98	19.7	0
20	QPSK	50	0	18.07	18.13	18.09		
20	QPSK	100	0	18.09	18.11	18.06	19.7	0

Band 38 Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	21.09	21.18	21.13	22.9	0
20	QPSK	50	0	21.12	21.14	21.11		
20	QPSK	100	0	21.05	21.11	21.09	22.9	0

Band 7 Ant4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	15.52	15.66	15.50	16.9	0
20	QPSK	50	0	15.55	15.66	15.59		
20	QPSK	100	0	15.48	15.56	15.52	16.9	0

Band 71									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up (mHz)	MPR (dB)	
Channel				133222	133322	133322	Tune-up (mHz)	MPR (dB)	
Frequency (MHz)				673	683	688			
20	QPSK	1	0	22.63	22.82	22.66	24	0	
20	QPSK	1	49	22.70	22.69	22.57			
20	QPSK	1	99	22.59	22.63	22.65			
20	QPSK	50	0	21.81	21.67	21.68			
20	QPSK	50	24	21.76	21.80	21.79	23	1	
20	QPSK	50	50	21.75	21.77	21.78			
20	QPSK	100	0	21.70	21.79	21.65			
20	16QAM	1	0	21.87	22.12	22.05			
20	16QAM	1	49	22.09	22.15	22.11	23	1	
20	16QAM	1	99	21.99	22.02	22.21			
20	16QAM	50	0	20.06	20.85	20.77			
20	16QAM	50	24	20.56	20.79	20.74			
20	16QAM	50	50	20.65	20.71	20.77	22	2	
20	16QAM	100	0	20.89	20.82	20.84			
20	64QAM	1	0	20.53	20.71	20.66			
20	64QAM	1	49	20.76	20.88	20.55			
20	64QAM	1	99	20.53	20.72	20.93	21	3	
20	64QAM	50	0	19.70	19.75	19.76			
20	64QAM	50	24	19.61	19.90	19.87			
20	64QAM	50	50	19.74	19.67	19.65			
20	256QAM	1	0	17.72	17.84	17.88	19	5	
20	256QAM	1	49	17.65	17.74	17.56			
20	256QAM	1	99	17.86	17.73	17.91			
20	256QAM	50	0	17.68	17.81	17.84			
20	256QAM	50	24	17.81	17.69	17.72	19	5	
20	256QAM	50	50	17.71	17.86	17.69			
20	256QAM	100	0	17.88	17.70	17.90			
Channel				133197	133297	133397	Tune-up (mHz)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	22.48	22.73	22.52	24	0	
15	QPSK	1	37	22.35	22.62	22.49			
15	QPSK	1	74	22.32	22.54	22.60			
15	QPSK	36	0	21.65	21.82	21.60			
15	QPSK	36	20	21.64	21.67	21.74	23	1	
15	QPSK	36	39	21.65	21.70	21.71			
15	QPSK	75	0	21.62	21.63	21.50			
15	16QAM	1	0	21.86	22.04	21.96			
15	16QAM	1	37	21.97	22.04	21.99	23	1	
15	16QAM	1	74	21.95	21.88	22.08			
15	16QAM	36	0	20.60	20.77	20.89			
15	16QAM	36	20	20.48	20.72	20.69			
15	16QAM	36	39	20.49	20.59	20.73	22	2	
15	16QAM	75	0	20.73	20.76	20.76			
15	64QAM	1	0	20.45	20.62	20.55			
15	64QAM	1	37	20.69	20.78	20.44			
15	64QAM	1	74	20.46	20.65	20.79	21	3	
15	64QAM	36	0	19.81	19.64	19.69			
15	64QAM	36	20	19.47	19.78	19.75			
15	64QAM	36	39	19.63	19.52	19.73			
15	256QAM	1	0	17.62	17.78	17.75	19	5	
15	256QAM	1	37	17.60	17.64	17.39			
15	256QAM	1	74	17.60	17.60	17.67			
15	256QAM	36	0	17.55	17.76	17.51			
15	256QAM	36	20	17.67	17.60	17.58	19	5	
15	256QAM	36	39	17.59	17.81	17.61			
15	256QAM	75	0	17.76	17.59	17.77			
Channel				133172	133272	133372	Tune-up (mHz)	MPR (dB)	
Frequency (MHz)				688	678	668			
10	QPSK	1	0	22.53	22.71	22.81	24	0	
10	QPSK	1	25	22.58	22.57	22.52			
10	QPSK	1	49	22.48	22.53	22.52			
10	QPSK	25	0	21.75	21.82	21.62			
10	QPSK	25	12	21.69	21.66	21.74	23	1	
10	QPSK	25	25	21.61	21.68	21.66			
10	QPSK	50	0	21.59	21.67	21.61			
10	16QAM	1	0	21.83	22.01	21.92			
10	16QAM	1	25	22.03	22.02	22.06	23	1	
10	16QAM	1	49	21.89	21.97	22.06			
10	16QAM	25	0	20.81	20.78	20.66			
10	16QAM	25	12	20.46	20.64	20.66			
10	16QAM	25	25	20.51	20.57	20.66	22	2	
10	16QAM	50	0	20.76	20.75	20.72			
10	64QAM	1	0	20.43	20.63	20.54			
10	64QAM	1	25	20.62	20.76	20.49			
10	64QAM	1	49	20.44	20.58	20.63	21	3	
10	64QAM	25	0	19.63	19.68	19.60			
10	64QAM	25	12	19.05	19.81	19.82			
10	64QAM	25	25	19.60	19.54	19.75			
10	256QAM	1	0	19.72	19.54	19.82	19	5	
10	256QAM	1	25	17.62	17.77	17.74			
10	256QAM	1	49	17.57	17.69	17.49			
10	256QAM	1	99	17.50	17.62	17.83			
10	256QAM	25	0	17.58	17.65	17.51	19	5	
10	256QAM	25	12	17.73	17.55	17.62			
10	256QAM	25	25	17.64	17.79	17.65			
10	256QAM	50	0	17.63	17.65	17.77			
Channel				133147	133247	133447	Tune-up (mHz)	MPR (dB)	
Frequency (MHz)				695.5	675.5	695.5			
5	QPSK	1	0	22.56	22.69	22.57	24	0	
5	QPSK	1	12	22.55	22.55	22.47			
5	QPSK	1	24	22.46	22.50	22.58			
5	QPSK	12	0	21.77	21.73	21.58			
5	QPSK	12	7	21.72	21.73	21.75	23	1	
5	QPSK	12	13	21.69	21.84	21.63			
5	QPSK	25	0	21.55	21.65	21.60			
5	16QAM	1	0	21.81	22.08	21.96			
5	16QAM	1	12	22.01	22.04	22.02	23	1	
5	16QAM	1	24	21.90	21.96	22.09			
5	16QAM	12	0	20.56	20.78	20.64			
5	16QAM	12	7	20.41	20.70	20.60			
5	16QAM	12	13	20.51	20.56	20.66	22	2	
5	16QAM	25	0	20.84	20.77	20.75			
5	64QAM	1	0	20.46	20.67	20.53			
5	64QAM	1	12	20.68	20.84	20.45			
5	64QAM	1	24	20.46	20.59	20.84	21	3	
5	64QAM	12	0	19.60	19.68	19.71			
5	64QAM	12	7	19.05	19.80	19.80			
5	64QAM	12	13	19.64	19.56	19.77			
5	256QAM	1	0	17.61	17.79	17.77	19	5	
5	256QAM	1	12	17.60	17.69	17.47			
5	256QAM	1	24	17.60	17.69	17.85			
5	256QAM	12	0	17.54	17.76	17.54			
5	256QAM	12	7	17.67	17.62	17.67	19	5	
5	256QAM	12	13	17.58	17.71	17.61			
5	256QAM	25	0	17.73	17.84	17.84			

Band 41 Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.11	21.12	21.29	21.19	21.12	22.2	0
20	QPSK	1	49	21.03	21.07	21.13	21.08	21.02		
20	QPSK	1	99	21.20	21.20	21.12	21.06	21.13		
20	QPSK	50	0	21.07	21.19	21.23	21.07	21.04		
20	QPSK	50	24	21.21	21.15	21.13	21.21	21.18	22.2	0
20	QPSK	50	50	21.13	21.17	21.11	21.08	21.05		
20	QPSK	100	0	21.11	21.18	21.21	21.07	21.19		
20	16QAM	1	0	21.12	21.13	21.21	21.17	21.21		
20	16QAM	1	49	21.13	21.05	21.23	21.19	21.07	22.2	0
20	16QAM	1	99	21.08	21.13	21.11	21.03	21.11		
20	16QAM	50	0	21.17	21.10	21.16	21.16	21.20		
20	16QAM	50	24	21.17	21.09	21.13	21.10	21.18		
20	16QAM	50	50	21.05	21.16	21.20	21.06	21.15	22	0.2
20	16QAM	100	0	21.11	21.08	21.11	21.09	21.08		
20	64QAM	1	0	21.07	21.17	21.08	21.04	21.21		
20	64QAM	1	49	21.07	21.18	21.21	21.21	21.17		
20	64QAM	1	99	21.17	21.11	21.17	21.15	21.18	22	0
20	64QAM	50	0	20.50	20.70	20.63	20.52	20.67		
20	64QAM	50	24	20.56	20.38	20.80	20.52	20.47		
20	64QAM	50	50	20.51	20.47	20.55	20.68	20.49		
20	64QAM	100	0	20.55	20.61	20.51	20.54	20.49	20	2.2
20	256QAM	1	0	18.49	18.54	18.43	18.58	18.43		
20	256QAM	1	49	18.43	18.51	18.51	18.56	18.48		
20	256QAM	1	99	18.50	18.55	18.35	18.45	18.55		
20	256QAM	50	0	18.64	18.64	18.45	18.53	18.67	20	2.2
20	256QAM	50	24	18.55	18.55	18.68	18.48	18.45		
20	256QAM	50	50	18.48	18.61	18.46	18.57	18.64		
20	256QAM	100	0	18.62	18.51	18.36	18.56	18.57		
Channel				37225	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.14	21.08	21.13	21.04	21.05	22	0
15	QPSK	1	37	21.04	21.00	21.02	21.02	20.96		
15	QPSK	1	74	21.14	21.12	21.02	20.97	21.03		
15	QPSK	36	0	20.90	21.10	21.06	20.99	20.90		
15	QPSK	36	20	21.11	21.00	21.07	21.09	21.12	22.2	0
15	QPSK	36	39	20.97	21.05	21.04	21.05	20.99		
15	QPSK	75	0	20.94	20.96	21.11	20.94	21.11		
15	16QAM	1	0	21.03	21.03	21.04	21.18	21.07		
15	16QAM	1	37	21.09	20.99	21.06	21.15	21.05	22.2	0
15	16QAM	1	74	20.98	21.09	20.91	20.91	21.03		
15	16QAM	36	0	21.14	21.05	20.94	21.15	21.02		
15	16QAM	36	20	21.01	21.03	20.92	21.06	21.09		
15	16QAM	36	39	21.09	21.00	21.09	21.03	20.97	22	0.2
15	16QAM	75	0	21.00	20.97	20.92	20.95	20.98		
15	64QAM	1	0	20.99	21.14	21.04	20.99	21.00		
15	64QAM	1	37	21.06	21.10	21.06	20.99	21.17		
15	64QAM	1	74	21.02	21.08	21.16	21.04	21.09	22	0.2
15	64QAM	36	0	20.45	20.54	20.62	20.39	20.50		
15	64QAM	36	20	20.36	20.26	20.55	20.55	20.32		
15	64QAM	36	39	20.33	20.38	20.49	20.53	20.37		
15	64QAM	75	0	20.62	20.57	20.43	20.47	20.47	21	1.2
15	256QAM	1	0	18.36	18.38	18.41	18.54	18.42		
15	256QAM	1	37	18.23	18.40	18.38	18.44	18.45		
15	256QAM	1	74	18.45	18.56	18.33	18.39	18.39		
15	256QAM	36	0	18.51	18.50	18.40	18.40	18.54	20	2.2
15	256QAM	36	20	18.43	18.37	18.56	18.35	18.37		
15	256QAM	36	39	18.30	18.47	18.32	18.37	18.57		
15	256QAM	75	0	18.37	18.44	18.54	18.45	18.59		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2601	2641	2693	2739	2790		
10	QPSK	1	0	21.09	21.05	21.15	21.14	20.98	22	0
10	QPSK	1	25	20.99	20.94	21.03	20.97	20.96		
10	QPSK	1	49	21.05	21.00	20.98	20.98	21.05		
10	QPSK	25	0	20.98	21.12	21.17	21.04	20.90		
10	QPSK	25	12	21.13	21.09	20.95	21.17	21.08	22.2	0
10	QPSK	25	25	21.08	21.16	21.05	21.03	20.97		
10	QPSK	50	0	20.92	21.01	21.11	20.98	21.05		
10	16QAM	1	0	21.06	20.96	21.17	21.12	21.08		
10	16QAM	1	25	21.05	21.13	21.12	21.05	21.06	22.2	0
10	16QAM	1	49	21.08	21.09	21.01	20.92	20.99		
10	16QAM	25	0	21.00	20.92	21.04	21.06	21.18		
10	16QAM	25	12	21.14	20.99	21.11	21.02	21.14		
10	16QAM	25	25	20.94	21.07	21.12	20.87	21.13	22	0.2
10	64QAM	1	0	20.92	20.98	21.09	20.98	21.07		
10	64QAM	1	0	21.09	21.10	21.02	20.87	20.98		
10	64QAM	1	25	21.05	21.10	21.11	21.07	21.09		
10	64QAM	1	49	21.21	20.97	21.01	20.98	21.06	21	1.2
10	64QAM	25	0	20.36	20.32	20.36	20.40	20.60		
10	64QAM	25	12	20.42	20.32	20.45	20.39	20.35		
10	64QAM	25	25	20.36	20.37	20.49	20.56	20.47		
10	64QAM	50	0	20.61	20.43	20.51	20.37	20.40	20	2.2
10	256QAM	1	0	18.36	18.38	18.41	18.54	18.43		
10	256QAM	1	25	18.26	18.35	18.36	18.42	18.38		
10	256QAM	1	49	18.53	18.52	18.36	18.32	18.56		
10	256QAM	25	0	18.46	18.48	18.30	18.40	18.56	20	2.2
10	256QAM	25	12	18.41	18.40	18.55	18.46	18.39		
10	256QAM	25	25	18.32	18.51	18.36	18.54	18.42		
10	256QAM	50	0	18.30	18.43	18.39	18.52	18.46		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.04	21.02	21.16	21.06	21.11	22	0
5	QPSK	1	12	20.95	20.99	21.00	21.05	20.95		
5	QPSK	1	24	21.05	21.11	21.11	20.98	20.99		
5	QPSK	12	0	20.97	21.11	21.14	20.90	20.97		
5	QPSK	12	7	21.16	21.10	21.11	21.03	21.13	22.2	0
5	QPSK	12	13	21.05	21.06	21.08	21.06	20.96		
5	QPSK	25	0	20.99	20.98	21.11	21.08	21.14		
5	16QAM	1	0	21.07	21.01	21.06	21.03	21.18		
5	16QAM	1	12	20.98	21.03	21.01	21.07	20.99	22.2	0
5	16QAM	1	24	20.95	21.05	20.95	21.01	20.99		
5	16QAM	12	0	21.05	20.98	21.06	21.10	21.05		
5	16QAM	12	7	21.11	21.09	21.07	21.00	21.02		
5	16QAM	12	13	20.98	21.11	21.14	20.91	21.05	22	0.2
5	16QAM	25	0	21.04	21.06	21.06	20.96	20.96		
5	64QAM	1	0	21.05	21.09	20.99	21.08	21.10		
5	64QAM	1	12	20.97	21.04	21.06	21.08	21.13		
5	64QAM	1	24	21.15	21.08	21.03	21.06	21.03	21	1.2
5	64QAM	12	0	20.49	20.60	20.50	20.38	20.61		
5	64QAM	12	7	20.39	20.21	20.55	20.46	20.37		
5	64QAM	12	13	20.41	20.28	20.35	20.59	20.47		
5	64QAM	25	0	20.50	20.49	20.43	20.40	20.42	20	2.2
5	256QAM	1	0	18.43	18.38	18.39				
5	256QAM	1	24	18.34	18.44	18.34	18.54	18.34		
5	256QAM	1	24	18.50	18.45	18.32	18.28	18.39		
5	256QAM	12	0	18.53	18.51	18.38	16.33	18.49	20	2.2
5	256QAM	12	7	18.46	18.47	18.57	18.37	18.38		
5	256QAM	12	13	18.34	18.34	18.31	18.42	18.42		
5	256QAM	12	13	18.42	18.43	18.41	18.42	18.47		

Band 71										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				133222	133322	133372	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				673	683	688				
20	QPSK	1	0	22.50	22.75	22.57	24	0		
20	QPSK	1	49	22.59	22.59	22.44				
20	QPSK	1	99	22.52	22.52	22.56				
20	QPSK	50	0	21.68	21.78	21.55				
20	QPSK	50	24	21.71	21.69	21.73	23	1		
20	QPSK	50	50	21.61	21.67	21.68				
20	QPSK	100	0	21.54	21.75	21.51				
20	16QAM	1	0	21.86	22.05	21.96				
20	16QAM	1	49	22.01	22.06	22.05	23	1		
20	16QAM	1	99	21.90	21.89	22.15				
20	16QAM	50	0	20.55	20.80	20.70				
20	16QAM	50	24	20.44	20.72	20.67				
20	16QAM	50	50	20.56	20.61	20.86	22	2		
20	16QAM	100	0	20.84	20.69	20.76				
20	64QAM	1	0	20.48	20.64	20.57				
20	64QAM	1	49	20.69	20.74	20.48				
20	64QAM	1	99	20.43	20.57	20.85	21	3		
20	64QAM	50	0	19.56	19.61	19.63				
20	64QAM	50	24	19.48	19.77	19.73				
20	64QAM	50	50	19.62	19.58	19.76				
20	64QAM	100	0	19.62	19.58	19.81	19	5		
20	256QAM	1	0	17.62	17.69	17.82				
20	256QAM	1	49	17.55	17.64	17.47				
20	256QAM	1	99	17.57	17.63	17.84				
20	256QAM	50	0	17.60	17.69	17.50	19	5		
20	256QAM	50	24	17.69	17.58	17.57				
20	256QAM	50	50	17.62	17.81	17.64				
20	256QAM	100	0	17.79	17.64	17.81				
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				670.5	680.5	690.5				
15	QPSK	1	0	22.37	22.63	22.42	24	0		
15	QPSK	1	37	22.44	22.54	22.31				
15	QPSK	1	74	22.39	22.40	22.42				
15	QPSK	36	0	21.53	21.70	21.50				
15	QPSK	36	20	21.57	21.59	21.64	23	1		
15	QPSK	36	39	21.51	21.56	21.62				
15	QPSK	75	0	21.49	21.67	21.45				
15	16QAM	1	0	21.76	21.59	21.84				
15	16QAM	1	37	21.94	22.00	21.98	23	1		
15	16QAM	1	74	21.79	21.78	22.04				
15	16QAM	36	0	20.48	20.68	20.59				
15	16QAM	36	20	20.34	20.60	20.66				
15	16QAM	36	39	20.43	20.51	20.59	22	2		
15	16QAM	75	0	20.73	20.55	20.63				
15	64QAM	1	0	20.38	20.55	20.52				
15	64QAM	1	37	20.61	20.64	20.40				
15	64QAM	1	74	20.31	20.43	20.75	22	2		
15	64QAM	36	0	19.51	19.49	19.56				
15	64QAM	36	20	19.40	19.65	19.64				
15	64QAM	36	39	19.47	19.44	19.65				
15	64QAM	75	0	19.56	19.52	19.74	19	5		
15	256QAM	1	0	17.49	17.55	17.67				
15	256QAM	1	37	17.40	17.57	17.35				
15	256QAM	1	74	17.47	17.55	17.70				
15	256QAM	36	0	17.48	17.56	17.45	19	5		
15	256QAM	36	20	17.65	17.52	17.52				
15	256QAM	36	39	17.47	17.76	17.56				
15	256QAM	75	0	17.64	17.56	17.72				
Channel				133172	133272	133372	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				686	670	692				
10	QPSK	1	0	22.37	22.68	22.47	24	0		
10	QPSK	1	25	22.48	22.46	22.29				
10	QPSK	1	49	22.47	22.40	22.42				
10	QPSK	25	0	21.59	21.66	21.41				
10	QPSK	25	12	21.65	21.59	21.66	23	1		
10	QPSK	25	25	21.46	21.59	21.56				
10	QPSK	50	0	21.41	21.68	21.38				
10	16QAM	1	0	21.71	21.97	21.80				
10	16QAM	1	25	21.62	21.94	21.96	23	1		
10	16QAM	1	49	21.85	21.80	22.07				
10	16QAM	25	0	20.40	20.70	20.66				
10	16QAM	25	12	20.37	20.63	20.60				
10	16QAM	25	25	20.48	20.48	20.51	22	2		
10	16QAM	50	0	20.72	20.62	20.73				
10	64QAM	1	0	20.44	20.51	20.44				
10	64QAM	1	25	20.59	20.68	20.44				
10	64QAM	1	49	20.32	20.47	20.70	21	3		
10	64QAM	25	0	19.47	19.50	19.54				
10	64QAM	25	12	19.43	19.68	19.61				
10	64QAM	25	25	19.55	19.49	19.64				
10	64QAM	50	0	19.46	19.48	19.68	19	5		
10	256QAM	1	0	17.51	17.59	17.76				
10	256QAM	1	25	17.41	17.59	17.38				
10	256QAM	1	49	17.53	17.58	17.77				
10	256QAM	25	0	17.54	17.60	17.37	19	5		
10	256QAM	25	12	17.62	17.54	17.47				
10	256QAM	25	25	17.48	17.72	17.52				
10	256QAM	50	0	17.54	17.51	17.66				
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				695.5	675.5	695.5				
5	QPSK	1	0	22.45	22.69	22.51	24	0		
5	QPSK	1	12	22.47	22.52	22.32				
5	QPSK	1	24	22.48	22.41	22.51				
5	QPSK	12	0	21.61	21.63	21.39				
5	QPSK	12	7	21.64	21.57	21.57	23	1		
5	QPSK	12	13	21.56	21.52	21.61				
5	QPSK	25	0	21.39	21.61	21.45				
5	16QAM	1	0	21.78	21.92	21.81				
5	16QAM	1	12	21.86	21.99	21.91	23	1		
5	16QAM	1	24	21.83	21.78	22.00				
5	16QAM	12	0	20.48	20.67	20.59				
5	16QAM	12	7	20.37	20.64	20.58				
5	16QAM	12	13	20.42	20.48	20.62	22	2		
5	16QAM	25	0	20.76	20.59	20.86				
5	64QAM	1	0	20.43	20.51	20.47				
5	64QAM	1	12	20.57	20.64	20.44				
5	64QAM	1	24	20.38	20.46	20.80	22	2		
5	64QAM	12	0	19.49	19.56	19.47				
5	64QAM	12	7	19.41	19.66	19.62				
5	64QAM	12	13	19.47	19.49	19.69				
5	64QAM	25	0	19.56	19.54	19.69	21	3		
5	256QAM	1	0	17.48	17.60	17.68				
5	256QAM	1	12	17.44	17.55	17.40				
5	256QAM	1	24	17.49	17.49	17.73				
5	256QAM	12	0	17.53	17.60	17.37	19	5		
5	256QAM	12	7	17.56	17.48	17.43				
5	256QAM	12	13	17.51	17.68	17.56				
5	256QAM	25	0	17.73	17.54	17.68				

Band 41 Ant4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel				39750	40165	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.18	18.19	18.24	18.11	18.06	19	0
20	QPSK	1	49	18.12	18.07	18.21	18.07	18.17		
20	QPSK	1	99	18.17	18.19	18.10	18.21	18.20	19	0
20	QPSK	50	0	18.13	18.08	18.20	18.07	18.11		
20	QPSK	50	24	18.17	18.19	18.13	18.15	18.13	19	0
20	QPSK	50	50	18.18	18.10	18.17	18.16	18.17		
20	QPSK	100	0	18.18	18.10	18.19	18.15	18.08	19	0
20	16QAM	1	0	18.14	18.16	18.21	18.20	18.09		
20	16QAM	1	49	18.10	18.22	18.13	18.19	18.19	19	0
20	16QAM	1	99	18.16	18.15	18.20	18.22	18.09		
20	16QAM	50	0	18.18	18.10	18.20	18.16	18.22	19	0
20	16QAM	50	24	18.20	18.08	18.09	18.14	18.20		
20	16QAM	50	50	18.22	18.10	18.09	18.21	18.06	19	0
20	16QAM	100	0	18.21	18.15	18.13	18.13	18.08		
20	64QAM	1	0	18.20	18.15	18.07	18.06	18.19	19	0
20	64QAM	1	49	18.17	18.10	18.06	18.16	18.21		
20	64QAM	1	99	18.08	18.19	18.11	18.15	18.09	19	0
20	64QAM	50	0	18.14	18.09	18.09	18.06	18.15		
20	64QAM	50	24	18.13	18.17	18.17	18.06	18.11	19	0
20	64QAM	50	50	18.17	18.15	18.19	18.07	18.16		
20	64QAM	100	0	18.14	18.15	18.09	18.22	18.11	19	0
20	256QAM	1	0	18.12	18.09	18.15	18.22	18.10		
20	256QAM	1	49	18.17	18.19	18.12	18.07	18.14	19	0
20	256QAM	1	99	18.16	18.17	18.09	18.11	18.22		
20	256QAM	50	0	18.09	18.20	18.19	18.19	18.16	19	0
20	256QAM	50	24	18.20	18.20	18.17	18.14	18.08		
20	256QAM	50	50	18.19	18.17	18.12	18.12	18.19	19	0
20	256QAM	100	0	18.22	18.17	18.14	18.07	18.08		
Channel				39725	40172	40620	41058	41515	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.02	18.09	18.08	18.06	17.94	19	0
15	QPSK	1	37	18.01	17.91	18.09	17.90	18.02		
15	QPSK	1	74	18.06	18.08	17.99	18.10	18.11	19	0
15	QPSK	36	0	18.02	17.95	18.16	17.97	17.88		
15	QPSK	36	20	18.05	18.07	18.04	18.10	17.99	19	0
15	QPSK	36	39	18.10	18.03	18.04	18.06	18.07		
15	QPSK	75	0	18.04	17.94	18.11	18.02	18.02	19	0
15	16QAM	1	0	17.96	18.11	18.05	18.04	17.95		
15	16QAM	1	37	18.01	18.05	18.02	18.03	18.11	19	0
15	16QAM	1	74	18.12	18.13	18.15	18.14	18.01		
15	16QAM	36	0	18.12	17.95	18.10	18.04	18.14	19	0
15	16QAM	36	20	18.16	18.04	17.98	18.01	18.08		
15	16QAM	36	39	18.15	17.98	17.94	18.17	18.00	19	0
15	16QAM	75	0	18.10	18.01	17.99	17.96	18.03		
15	64QAM	1	0	18.10	18.01	17.99	18.02	18.04	19	0
15	64QAM	1	37	17.98	17.91	17.91	17.96	18.12		
15	64QAM	1	74	17.99	18.06	18.05	18.01	18.06	19	0
15	64QAM	36	0	18.02	17.96	17.95	17.91	18.10		
15	64QAM	36	20	17.97	18.11	18.13	17.96	17.96	19	0
15	64QAM	36	39	18.05	18.00	18.06	17.95	18.03		
15	64QAM	75	0	17.97	18.02	18.00	18.05	17.95	19	0
15	256QAM	1	0	18.04	17.91	18.11	18.05	17.96		
15	256QAM	1	37	18.04	18.12	17.99	18.01	17.99	19	0
15	256QAM	1	74	17.98	18.03	18.00	17.93	18.13		
15	256QAM	36	0	18.04	18.16	18.05	18.05	18.08	19	0
15	256QAM	36	20	18.04	18.06	17.99	18.04	17.91		
15	256QAM	36	39	18.10	18.04	18.09	18.08	18.07	19	0
15	256QAM	75	0	18.07	18.04	17.97	18.01	17.94		
Channel				39700	40160	40620	41080	41540	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				2491	2547	2591	2647	2693		
10	QPSK	1	0	18.08	18.08	18.22	17.94	17.88	19	0
10	QPSK	1	25	17.99	17.99	18.18	17.90	18.12		
10	QPSK	1	49	18.06	18.10	18.03	18.05	18.18	19	0
10	QPSK	25	0	18.07	17.96	18.04	17.99	18.07		
10	QPSK	25	12	18.09	18.03	18.03	17.99	18.02	19	0
10	QPSK	25	25	18.14	18.06	18.01	18.02	18.05		
10	QPSK	50	0	18.15	17.93	18.07	18.13	18.01	19	0
10	16QAM	1	0	18.03	18.01	18.07	18.17	17.97		
10	16QAM	1	25	18.03	18.06	18.11	18.12	18.04	19	0
10	16QAM	1	49	18.07	18.09	18.06	18.12	17.92		
10	16QAM	25	0	18.10	18.01	18.10	18.16	18.14	19	0
10	16QAM	25	12	18.07	17.91	18.07	18.10	18.17		
10	16QAM	25	25	18.15	18.02	17.94	18.13	17.97	19	0
10	16QAM	50	0	18.09	18.07	18.08	17.98	18.00		
10	64QAM	1	0	18.15	18.02	17.93	18.00	18.11	19	0
10	64QAM	1	25	18.01	18.07	17.96	18.01	18.10		
10	64QAM	1	49	17.95	18.11	17.97	18.13	18.04	19	0
10	64QAM	25	0	18.11	17.93	17.92	17.90	18.01		
10	64QAM	25	12	17.97	18.11	18.05	18.05	17.96	19	0
10	64QAM	25	25	17.99	18.01	18.04	18.03	18.09		
10	64QAM	50	0	18.11	18.06	17.94	18.10	17.94	19	0
10	256QAM	1	0	17.96	17.96	18.06	18.07	18.02		
10	256QAM	1	25	18.15	18.04	18.02	18.04	18.12	19	0
10	256QAM	1	49	18.05	18.00	17.99	17.93	18.12		
10	256QAM	25	0	17.93	18.06	18.10	18.16	18.03	19	0
10	256QAM	25	12	18.16	18.14	18.06	17.97	18.00		
10	256QAM	25	25	18.10	18.12	18.05	17.99	18.04	19	0
10	256QAM	50	0	18.11	18.01	18.02	17.93	17.94		
Channel				39675	40148	40620	41093	41565	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
5	QPSK	1	0	18.02	18.05	18.05	17.97	18.04	19	0
5	QPSK	1	12	18.03	17.98	18.08	17.98	18.12		
5	QPSK	1	24	18.11	18.14	17.98	18.04	18.09	19	0
5	QPSK	12	0	18.03	17.99	18.12	18.02	18.08		
5	QPSK	12	7	18.02	18.12	18.10	18.03	18.07	19	0
5	QPSK	12	13	18.08	18.08	18.07	18.08	18.05		
5	QPSK	25	0	18.14	17.94	18.14	17.98	17.91	19	0
5	16QAM	1	0	18.07	18.05	18.19	18.06	17.96		
5	16QAM	1	12	17.94	18.10	18.07	18.08	18.06	19	0
5	16QAM	1	24	18.14	18.04	18.09	18.06	17.97		
5	16QAM	12	0	18.16	18.02	18.10	18.00	18.12	19	0
5	16QAM	12	7	18.18	17.98	17.98	18.11	18.03		
5	16QAM	12	13	18.04	17.99	18.02	18.11	17.98	19	0
5	16QAM	25	0	18.14	18.01	18.06	17.97	18.00		
5	64QAM	1	0	18.16	18.09	17.93	17.97	18.08	19	0
5	64QAM	1	12	18.06	17.93	18.00	18.05	18.17		
5	64QAM	1	24	17.98	18.10	17.97	18.02	18.01	19	0
5	64QAM	12	0	18.02	17.98	17.95	17.90	18.06		
5	64QAM	12	7	18.05	18.03	17.99	18.06	18.07	19	0
5	64QAM	12	13	18.11	18.13	18.02	17.89	17.99		
5	64QAM	25	0	18.00	18.12	17.96	18.00	18.00	19	0
5	64QAM	25	12	18.06	17.95	17.99	18.10	17.94		
5	256QAM	1	0	18.14	18.01	18.02	17.96	18.05	19	0
5	256QAM	1	24	18.02	18.08	17.93	17.97	18.08		
5	256QAM	12	0	18.05	18.12	18.04	18.05	18.00	19	0
5	256QAM	12	7	18.05	18.02	18.08	18.09	18.05		
5	256QAM	12	13	18.17	18.15	17.95	17.97	18.17	19	0
5	256QAM	25	0	18.15	18.01	18.08	17.91	17.90		

Full&Default Power Mode for Other PA

Band 2 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1860	1900		
20	QPSK	1	0	22.69	22.97	22.80	24	0
20	QPSK	50	0	22.50	22.73	22.55	24	0
20	QPSK	100	0	22.48	22.50	22.38		

Band 38 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37600	38000	38150		
Frequency (MHz)				2580	2585	2590		
20	QPSK	1	0	22.56	22.70	22.66	24	0
20	QPSK	50	0	22.58	22.69	22.60	24	0
20	QPSK	100	0	22.38	22.61	22.37		

Band 7 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2080	2090	2090		
20	QPSK	1	0	22.74	22.94	22.86	24	0
20	QPSK	50	0	22.69	22.83	22.63	24	0
20	QPSK	100	0	22.46	22.58	22.56		

Band 41 Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40166	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.52	22.66	22.77	22.85	22.52	24	0
20	QPSK	1	49	22.51	22.69	22.76	22.87	22.61		
20	QPSK	1	99	22.44	22.46	22.59	22.55	22.41		
20	QPSK	50	0	22.39	22.46	22.76	22.54	22.36		
20	QPSK	50	24	22.43	22.60	22.52	22.57	22.31	24	0
20	QPSK	50	50	22.49	22.42	22.57	22.41	22.34		
20	QPSK	100	0	22.35	22.33	22.63	22.36	22.14		
20	16QAM	1	0	22.43	22.41	22.57	22.52	22.49		
20	16QAM	1	49	22.39	22.39	22.44	22.42	22.45	24	0
20	16QAM	1	99	22.36	22.41	22.37	22.52	22.42		
20	16QAM	50	0	21.48	21.38	21.73	21.62	21.29		
20	16QAM	50	24	21.25	21.55	21.52	21.63	21.46		
20	16QAM	50	50	21.41	21.40	21.55	21.40	21.37	23	1
20	16QAM	100	0	21.38	21.21	21.61	21.26	21.16		
20	64QAM	1	0	21.46	21.32	21.63	21.59	21.41		
20	64QAM	1	49	21.39	21.35	21.47	21.40	21.32		
20	64QAM	1	99	21.32	21.56	21.34	21.52	21.30	23	1
20	64QAM	50	0	20.45	20.52	20.77	20.73	20.40		
20	64QAM	50	24	20.30	20.54	20.54	20.80	20.37		
20	64QAM	50	50	20.45	20.42	20.51	20.35	20.40		
20	64QAM	100	0	20.38	20.20	20.67	20.25	20.19	22	2
20	256QAM	1	0	18.52	18.39	18.71	18.60	18.44		
20	256QAM	1	49	18.40	18.47	18.43	18.49	18.27		
20	256QAM	1	99	18.39	18.41	18.43	18.44	18.25		
20	256QAM	50	0	18.30	18.27	18.54	18.31	18.22	20	4
20	256QAM	50	24	18.41	18.40	18.64	18.51	18.53		
20	256QAM	50	50	18.34	18.48	18.42	18.43	18.42		
20	256QAM	100	0	18.27	18.59	18.34	18.49	18.38		
Channel				37225	41173	40620	41055	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	22.46	22.44	22.58	22.58	22.40	24	0
15	QPSK	1	37	22.33	22.42	22.61	22.69	22.43		
15	QPSK	1	74	22.36	22.53	22.53	22.50	22.22		
15	QPSK	36	0	22.22	22.31	22.67	22.40	22.25		
15	QPSK	36	20	22.36	22.54	22.32	22.50	22.31	24	0
15	QPSK	36	39	22.31	22.39	22.31	22.37	22.23		
15	QPSK	75	0	22.25	22.19	22.21	22.08	22.03		
15	16QAM	1	0	22.23	22.38	22.41	22.46	22.42		
15	16QAM	1	37	22.37	22.26	22.45	22.31	22.43	24	0
15	16QAM	1	74	22.18	22.35	22.31	22.47	22.27		
15	16QAM	36	0	21.19	21.30	21.69	21.46	21.28		
15	16QAM	36	20	21.19	21.39	21.42	21.62	21.35		
15	16QAM	36	39	21.37	21.26	21.46	21.34	21.38	23	1
15	16QAM	75	0	21.30	21.05	21.50	21.13	21.13		
15	64QAM	1	0	21.38	21.34	21.54	21.46	21.37		
15	64QAM	1	37	21.26	21.35	21.22	21.27	21.25		
15	64QAM	1	74	21.20	21.32	21.31	21.50	21.24	23	1
15	64QAM	36	0	20.37	20.33	20.55	20.54	20.21		
15	64QAM	36	20	20.17	20.41	20.46	20.48	20.26		
15	64QAM	36	39	20.25	20.28	20.48	20.29	20.21		
15	64QAM	75	0	20.22	20.22	20.66	20.21	20.22	22	2
15	256QAM	1	0	18.28	18.38	18.61	18.55	18.26		
15	256QAM	1	37	18.29	18.42	18.48	18.45	18.21		
15	256QAM	1	74	18.44	18.30	18.25	18.26	18.16		
15	256QAM	36	0	18.16	18.11	18.31	18.23	18.09	20	4
15	256QAM	36	20	18.34	18.42	18.45	18.43	18.52		
15	256QAM	36	39	18.21	18.36	18.23	18.22	18.25		
15	256QAM	75	0	18.22	18.47	18.37	18.41	18.33		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2491	2544	2594	2649	2695	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	22.44	22.54	22.52	22.52	22.38	24	0
10	QPSK	1	25	22.40	22.43	22.60	22.65	22.55		
10	QPSK	1	49	22.41	22.54	22.57	22.59	22.27		
10	QPSK	25	0	22.34	22.42	22.57	22.47	22.22		
10	QPSK	25	12	22.26	22.57	22.38	22.47	22.32	24	0
10	QPSK	25	25	22.30	22.33	22.40	22.27	22.12		
10	QPSK	50	0	22.17	22.14	22.57	22.17	22.16		
10	16QAM	1	0	22.28	22.37	22.39	22.35	22.46		
10	16QAM	1	25	22.27	22.37	22.37	22.32	22.39	24	0
10	16QAM	1	49	22.27	22.42	22.25	22.39	22.20		
10	16QAM	25	0	21.32	21.26	21.67	21.43	21.29		
10	16QAM	25	12	21.18	21.44	21.43	21.54	21.29		
10	16QAM	25	25	21.37	21.35	21.42	21.31	21.24	23	1
10	16QAM	50	0	21.31	21.15	21.55	21.19	21.11		
10	64QAM	1	0	21.37	21.35	21.64	21.45	21.41		
10	64QAM	1	25	21.31	21.29	21.22	21.31	21.28		
10	64QAM	1	49	21.28	21.34	21.19	21.44	21.22	23	1
10	64QAM	25	0	20.43	20.37	20.61	20.59	20.33		
10	64QAM	25	12	20.21	20.35	20.34	20.45	20.23		
10	64QAM	25	25	20.31	20.30	20.52	20.33	20.30		
10	64QAM	50	0	20.15	20.21	20.59	20.15	20.12	22	2
10	256QAM	1	0	18.31	18.42	18.62	18.52	18.30		
10	256QAM	1	25	18.23	18.31	18.36	18.44	18.26		
10	256QAM	1	49	18.41	18.25	18.25	18.29	18.16		
10	256QAM	25	0	18.25	18.16	18.40	18.26	18.15	20	4
10	256QAM	25	12	18.29	18.44	18.45	18.44	18.48		
10	256QAM	25	25	18.20	18.30	18.25	18.16	18.26		
10	256QAM	50	0	18.19	18.40	18.23	18.46	18.39		
Channel				39875	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	22.39	22.54	22.61	22.54	22.47	24	0
5	QPSK	1	12	22.40	22.48	22.69	22.74	22.47		
5	QPSK	1	24	22.29	22.54	22.49	22.56	22.28		
5	QPSK	12	0	22.35	22.36	22.69	22.38	22.19		
5	QPSK	12	7	22.33	22.55	22.41	22.59	22.30	24	0
5	QPSK	12	13	22.25	22.41	22.26	22.32	22.19		
5	QPSK	25	0	22.22	22.20	22.55	22.14	22.11		
5	16QAM	1	0	22.23	22.45	22.39	22.49	22.48		
5	16QAM	1	12	22.23	22.35	22.47	22.29	22.42	24	0
5	16QAM	1	24	22.21	22.46	22.32	22.40	22.22		
5	16QAM	12	0	21.24	21.24	21.57	21.43	21.31		
5	16QAM	12	7	21.28	21.38	21.35	21.56	21.23		
5	16QAM	12	13	21.25	21.25	21.44	21.34	21.25	23	1
5	16QAM	25	0	21.30	21.12	21.54	21.12	21.17		
5	64QAM	1	0	21.46	21.22	21.57	21.50	21.40		
5	64QAM	1	12	21.39	21.33	21.29	21.25	21.32		
5	64QAM	1	24	21.32	21.30	21.26	21.54	21.16	23	1
5	64QAM	12	0	20.44	20.28	20.62	20.62	20.28		
5	64QAM	12	7	20.29	20.35	20.31	20.44	20.38		
5	64QAM	12	13	20.29	20.40	20.46	20.36	20.17		
5	64QAM	25	0	20.19	20.12	20.55	20.16	20.13	22	2
5	256QAM	1	0	18.31	18.42	18.67	18.63	18.35		
5	256QAM	1	12	18.18	18.40	18.43	18.38	18.26		
5	256QAM	1	24	18.32	18.26	18.34	18.26	18.23		
5	256QAM	12	0	18.25	18.17	18.38	18.19	18.01	20	4
5	256QAM	12	7	18.30	18.36	18.48	18.42	18.50		
5	256QAM	12	13	18.19	18.31	18.31	18.27	18.27		
5	256QAM	25	0	18.13	18.41	18.25	18.35	18.33		

Reduced Power Mode for Other PA ECI 2

Band 2 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				19700	19900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	22.84	23.07	22.98	24	0	
20	QPSK	1	49	22.86	22.95	22.95			
20	QPSK	1	99	22.81	22.94	22.76			
20	QPSK	50	0	22.65	22.87	22.73	24	0	
20	QPSK	50	24	22.67	22.80	22.67			
20	QPSK	50	50	22.75	22.81	22.70			
20	QPSK	100	0	22.58	22.65	22.48			

Band 38 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150			
Frequency (MHz)				2260 <td>2280</td> <td>2295</td> <td colspan="3"></td>	2280	2295			
20	QPSK	1	0	22.67	22.82	22.75	24	0	
20	QPSK	1	49	22.75	22.72	22.80			
20	QPSK	1	99	22.85	22.71	22.70			
20	QPSK	50	0	22.65	22.82	22.64	24	0	
20	QPSK	50	24	22.59	22.72	22.65			
20	QPSK	50	50	22.60	22.75	22.49			
20	QPSK	100	0	22.50	22.63	22.41			

Band 7 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20650	21100	21550			
Frequency (MHz)				2010	2035	2060			
20	QPSK	1	0	22.88	23.06	22.96	24	0	
20	QPSK	1	49	22.89	22.93	22.89			
20	QPSK	1	99	22.81	22.91	22.76			
20	QPSK	50	0	22.80	22.97	22.76	24	0	
20	QPSK	50	24	22.72	22.73	22.65			
20	QPSK	50	50	22.80	22.78	22.68			
20	QPSK	100	0	22.57	22.75	22.63			

Band 38 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150			
Frequency (MHz)				2580	2595	2590			
20	QPSK	1	0	22.67	22.82	22.75	24	0	
20	QPSK	1	49	22.75	22.72	22.80			
20	QPSK	1	99	22.68	22.72	22.70			
20	QPSK	50	0	22.65	22.82	22.64	24	0	
20	QPSK	50	24	22.59	22.72	22.65			
20	QPSK	50	50	22.65	22.65	22.69			
20	QPSK	100	0	22.50	22.63	22.41			

Band 41 Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40165	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.66	22.69	22.69	22.61	22.69	24	0
20	QPSK	1	49	22.61	22.71	22.81	22.82	22.71		
20	QPSK	1	99	22.59	22.72	22.70	22.67	22.52	24	0
20	QPSK	50	0	22.56	22.56	22.85	22.71	22.53		
20	QPSK	50	24	22.50	22.63	22.61	22.66	22.43		
20	QPSK	50	50	22.51	22.54	22.61	22.55	22.42		
20	QPSK	100	0	22.49	22.39	22.69	22.36	22.25	24	0
20	16QAM	1	0	22.52	22.52	22.66	22.69	22.62		
20	16QAM	1	49	22.47	22.55	22.54	22.55	22.52		
20	16QAM	1	99	22.43	22.56	22.52	22.63	22.44		
20	16QAM	50	0	21.53	21.51	21.91	21.69	21.46	23	1
20	16QAM	50	24	21.43	21.62	21.66	21.73	21.48		
20	16QAM	50	50	21.45	21.51	21.60	21.53	21.47		
20	16QAM	100	0	21.46	21.33	21.65	21.36	21.29		
20	64QAM	1	0	21.57	21.46	21.73	21.73	21.57	23	1
20	64QAM	1	49	21.53	21.51	21.50	21.50	21.46		
20	64QAM	1	99	21.42	21.65	21.44	21.67	21.37		
20	64QAM	50	0	20.58	20.55	20.81	20.77	20.47		
20	64QAM	50	24	20.42	20.69	20.64	20.67	20.48	22	2
20	64QAM	50	50	20.51	20.54	20.69	20.53	20.44		
20	64QAM	100	0	20.47	20.35	20.73	20.42	20.25		
20	256QAM	1	0	18.59	18.54	18.61	18.66	18.46		
20	256QAM	1	49	18.49	18.57	18.55	18.63	18.44	20	4
20	256QAM	1	99	18.56	18.51	18.60	18.49	18.35		
20	256QAM	50	0	18.42	18.39	18.62	18.42	18.29		
20	256QAM	50	24	18.48	18.57	18.73	18.64	18.66		
20	256QAM	50	50	18.43	18.60	18.45	18.49	18.49	20	4
20	256QAM	100	0	18.36	18.64	18.47	18.56	18.44		
Channel				37725	41173	40620	41055	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2682.5		
15	QPSK	1	0	22.52	22.62	22.64	22.68	22.56		
15	QPSK	1	37	22.48	22.54	22.77	22.78	22.57	24	0
15	QPSK	1	74	22.44	22.69	22.62	22.61	22.36		
15	QPSK	36	0	22.39	22.48	22.73	22.53	22.36	24	0
15	QPSK	36	20	22.39	22.59	22.47	22.63	22.40		
15	QPSK	36	39	22.42	22.50	22.44	22.43	22.26		
15	QPSK	75	0	22.32	22.25	22.62	22.44	22.19		
15	16QAM	1	0	22.34	22.49	22.56	22.53	22.57	24	0
15	16QAM	1	37	22.40	22.42	22.51	22.47	22.47		
15	16QAM	1	74	22.36	22.49	22.41	22.51	22.30		
15	16QAM	36	0	21.35	21.41	21.74	21.55	21.35		
15	16QAM	36	20	21.31	21.50	21.53	21.66	21.40	23	1
15	16QAM	36	39	21.40	21.41	21.56	21.47	21.41		
15	16QAM	75	0	21.40	21.21	21.61	21.28	21.24		
15	64QAM	1	0	21.55	21.37	21.69	21.60	21.47		
15	64QAM	1	37	21.42	21.40	21.34	21.40	21.40	23	1
15	64QAM	1	74	21.34	21.48	21.34	21.61	21.33		
15	64QAM	36	0	20.52	20.41	20.72	20.69	20.39		
15	64QAM	36	20	20.33	20.52	20.48	20.53	20.40		
15	64QAM	36	39	20.34	20.46	20.60	20.39	20.32	22	2
15	64QAM	75	0	20.32	20.27	20.66	20.27	20.18		
15	256QAM	1	0	18.44	18.45	18.76	18.63	18.39		
15	256QAM	1	37	18.32	18.46	18.50	18.48	18.31		
15	256QAM	1	74	18.47	18.33	18.42	18.40	18.33	20	4
15	256QAM	36	0	18.31	18.26	18.49	18.29	18.19		
15	256QAM	36	20	18.38	18.48	18.61	18.56	18.54		
15	256QAM	36	39	18.26	18.48	18.34	18.34	18.43		
15	256QAM	75	0	18.25	18.52	18.39	18.49	18.42		
Channel				39700	40160	40620	41060	41540		
Frequency (MHz)				2491	2547	2594	2649	2695		
10	QPSK	1	0	22.63	22.55	22.75	22.71	22.64		
10	QPSK	1	25	22.56	22.60	22.76	22.68	22.55	24	0
10	QPSK	1	49	22.56	22.61	22.60	22.54	22.34		
10	QPSK	25	0	22.49	22.51	22.80	22.58	22.37	24	0
10	QPSK	25	12	22.45	22.54	22.49	22.56	22.38		
10	QPSK	25	25	22.47	22.49	22.49	22.52	22.47		
10	QPSK	50	0	22.45	22.30	22.56	22.27	22.19		
10	16QAM	1	0	22.45	22.47	22.61	22.54	22.53	24	0
10	16QAM	1	25	22.44	22.38	22.49	22.36	22.36		
10	16QAM	1	49	22.27	22.44	22.43	22.60	22.32		
10	16QAM	25	0	21.35	21.46	21.83	21.53	21.34		
10	16QAM	25	12	21.36	21.44	21.55	21.61	21.36	23	1
10	16QAM	25	25	21.46	21.42	21.46	21.37	21.41		
10	16QAM	50	0	21.37	21.20	21.51	21.26	21.16		
10	64QAM	1	0	21.54	21.41	21.65	21.70	21.51		
10	64QAM	1	25	21.47	21.48	21.37	21.37	21.36	23	1
10	64QAM	1	49	21.35	21.54	21.31	21.65	21.26		
10	64QAM	25	0	20.51	20.53	20.69	20.71	20.39		
10	64QAM	25	12	20.29	20.57	20.55	20.55	20.37		
10	64QAM	25	25	20.48	20.46	20.56	20.47	20.28	22	2
10	64QAM	50	0	20.38	20.24	20.57	20.33	20.13		
10	256QAM	1	0	18.49	18.47	18.66	18.52	18.29		
10	256QAM	1	25	18.34	18.53	18.41	18.50	18.28		
10	256QAM	1	49	18.43	18.42	18.51	18.32	18.22	20	4
10	256QAM	25	0	18.31	18.25	18.51	18.28	18.24		
10	256QAM	25	12	18.37	18.49	18.68	18.54	18.58		
10	256QAM	25	25	18.36	18.55	18.32	18.32	18.34		
10	256QAM	50	0	18.25	18.54	18.35	18.52	18.34		
Channel				39875	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.50	22.64	22.67	22.72	22.63		
5	QPSK	1	12	22.50	22.68	22.76	22.72	22.64	24	0
5	QPSK	1	24	22.49	22.60	22.52	22.63	22.38		
5	QPSK	12	0	22.43	22.48	22.79	22.63	22.43	24	0
5	QPSK	12	7	22.38	22.55	22.48	22.62	22.29		
5	QPSK	12	19	22.39	22.48	22.45	22.62	22.33		
5	QPSK	25	0	22.33	22.34	22.66	22.28	22.28		
5	16QAM	1	0	22.48	22.47	22.61	22.60	22.58	24	0
5	16QAM	1	12	22.32	22.47	22.47	22.45	22.35		
5	16QAM	1	24	22.32	22.50	22.46	22.47	22.35		
5	16QAM	12	0	21.51	21.36	21.61	21.56	21.44		
5	16QAM	12	7	21.36	21.51	21.60	21.57	21.39	23	1
5	16QAM	12	13	21.38	21.40	21.51	21.40	21.36		
5	16QAM	25	0	21.34	21.26	21.52	21.30	21.26		
5	64QAM	1	0	21.45	21.42	21.61	21.63	21.41		
5	64QAM	1	12	21.40	21.47	21.38	21.46	21.37	23	1
5	64QAM	1	24	21.24	21.51	21.26	21.57	21.23		
5	64QAM	12	0	20.55	20.48	20.67	20.70	20.29		
5	64QAM	12	7	20.24	20.61	20.47	20.51	20.40		
5	64QAM	12	13	20.38	20.46	20.54	20.51	20.37	22	2
5	64QAM	25	0	20.34	20.19	20.55	20.38	20.15		
5	256QAM	1	0	18.47	18.41	18.68	18.50	18.44		
5	256QAM	1	12	18.36	18.43	18.42	18.47	18.34		

Reduced Power Mode for Other PA EC13

Band 2 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1890	1900		
20	QPSK	1	0	20.56	20.81	20.58	21.8	0
20	QPSK	50	0	20.49	20.64	20.51	21.8	0
20	QPSK	100	0	20.47	20.51	20.38	21.8	0

Band 7 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20650	21100	21550		
Frequency (MHz)				20510	21335	21560		
20	QPSK	1	0	18.15	18.46	18.09	19.6	0
20	QPSK	50	0	18.28	18.46	18.32	19.6	0
20	QPSK	100	0	18.21	18.25	18.11	19.6	0

Band 38 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37550	38100	38150		
Frequency (MHz)				37580	38095	38110		
20	QPSK	1	0	22.94	22.96	22.84	24	0
20	QPSK	50	0	21.83	21.92	21.63	23	1
20	QPSK	100	0	21.71	21.90	21.66	23	1

Band 41 Ant1											
BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch / Freq	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				39790	39750	40165	40620	41055	41490	24	0
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.48	22.52	22.88	22.77	22.85	22.52	23	1
20	QPSK	1	49	22.70	22.51	22.89	22.70	22.87	22.61		
20	QPSK	1	99	22.44	22.38	22.44	22.57	22.55	22.41		
20	QPSK	50	0	22.37	22.39	22.46	22.76	22.54	22.36		
20	QPSK	50	24	22.46	22.43	22.60	22.52	22.57	22.31		
20	QPSK	50	50	22.69	22.49	22.42	22.57	22.41	22.34	23	1
20	QPSK	100	0	22.37	22.35	22.33	22.63	22.38	22.14		
20	16QAM	1	0	22.40	22.43	22.41	22.57	22.52	22.49		
20	16QAM	1	49	22.41	22.39	22.39	22.44	22.42	22.45		
20	16QAM	1	99	22.63	22.38	22.41	22.37	22.52	22.42		
20	16QAM	50	0	21.27	21.48	21.38	21.73	21.62	21.29	22	2
20	16QAM	50	24	21.51	21.25	21.55	21.52	21.63	21.46		
20	16QAM	50	50	21.30	21.41	21.40	21.56	21.40	21.37		
20	16QAM	100	0	21.28	21.38	21.21	21.61	21.28	21.16		
20	64QAM	1	0	21.24	21.46	21.32	21.63	21.59	21.41		
20	64QAM	1	49	21.52	21.39	21.35	21.47	21.40	21.32	22	2
20	64QAM	1	99	21.31	21.32	21.56	21.34	21.52	21.30		
20	64QAM	50	0	20.35	20.45	20.52	20.77	20.73	20.40		
20	64QAM	50	24	20.43	20.30	20.54	20.54	20.80	20.37		
20	64QAM	50	50	20.38	20.45	20.42	20.51	20.35	20.40		
20	64QAM	100	0	20.27	20.38	20.20	20.67	20.25	20.19	21	3
20	256QAM	1	0	18.34	18.52	18.39	18.71	18.60	18.44		
20	256QAM	1	49	18.35	18.40	18.47	18.43	18.49	18.27		
20	256QAM	1	99	18.40	18.39	18.41	18.43	18.44	18.25		
20	256QAM	50	0	18.37	18.30	18.27	18.54	18.31	18.22		
20	256QAM	50	24	18.52	18.41	18.40	18.64	18.51	18.53	19	5
20	256QAM	50	50	18.44	18.34	18.48	18.42	18.43	18.42		
20	256QAM	100	0	18.47	18.27	18.59	18.34	18.40	18.38		
Channel				39795	39755	40185	40620	41080	41515		
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.5	2682.5	24	0
15	QPSK	1	0	22.36	22.46	22.44	22.58	22.58	22.40		
15	QPSK	1	37	22.49	22.33	22.42	22.61	22.69	22.43	23	1
15	QPSK	1	74	22.32	22.36	22.53	22.53	22.50	22.22		
15	QPSK	36	0	22.18	22.22	22.31	22.67	22.40	22.25		
15	QPSK	36	20	22.24	22.36	22.54	22.32	22.50	22.31		
15	QPSK	36	39	22.39	22.31	22.39	22.31	22.37	22.23		
15	QPSK	75	0	22.24	22.25	22.19	22.51	22.38	22.03	23	1
15	16QAM	1	0	22.27	22.23	22.38	22.41	22.46	22.42		
15	16QAM	1	37	22.41	22.37	22.26	22.45	22.31	22.43		
15	16QAM	1	74	22.33	22.18	22.35	22.31	22.47	22.27		
15	16QAM	36	0	21.24	21.19	21.30	21.69	21.48	21.28		
15	16QAM	36	20	21.41	21.19	21.39	21.42	21.62	21.35	22	2
15	16QAM	36	39	21.30	21.37	21.28	21.48	21.34	21.38		
15	16QAM	75	0	21.31	21.30	21.05	21.50	21.13	21.13		
15	64QAM	1	0	21.28	21.38	21.34	21.54	21.46	21.37		
15	64QAM	1	37	21.38	21.28	21.35	21.22	21.47	21.25		
15	64QAM	1	74	21.18	21.20	21.32	21.31	21.50	21.24	21	3
15	64QAM	36	0	20.16	20.37	20.33	20.55	20.54	20.21		
15	64QAM	36	20	20.29	20.17	20.41	20.46	20.48	20.26		
15	64QAM	36	39	20.38	20.25	20.28	20.48	20.29	20.21		
15	64QAM	75	0	20.22	20.22	20.22	20.66	20.21	20.22		
15	256QAM	1	0	18.25	18.28	18.38	18.61	18.55	18.26	19	5
15	256QAM	1	37	18.29	18.29	18.42	18.48	18.45	18.21		
15	256QAM	1	74	18.29	18.44	18.30	18.25	18.26	18.16		
15	256QAM	36	0	18.23	18.16	18.11	18.31	18.23	18.09		
15	256QAM	36	20	18.38	18.34	18.42	18.45	18.43	18.52		
15	256QAM	36	39	18.38	18.21	18.36	18.23	18.22	18.25	19	5
15	256QAM	75	0	18.25	18.22	18.47	18.37	18.41	18.33		
Channel				39740	39700	40160	40620	41080	41540	24	0
Frequency (MHz)				2645	2641	2647	2691	2649	2645		
10	QPSK	1	0	22.36	22.44	22.54	22.52	22.52	22.38	24	0
10	QPSK	1	25	22.53	22.40	22.43	22.60	22.65	22.55		
10	QPSK	1	49	22.39	22.41	22.54	22.57	22.59	22.27		
10	QPSK	25	0	22.21	22.34	22.42	22.57	22.47	22.22		
10	QPSK	25	12	22.32	22.25	22.57	22.38	22.47	22.32		
10	QPSK	25	25	22.42	22.30	22.33	22.40	22.27	22.12	23	1
10	QPSK	50	0	22.18	22.17	22.14	22.57	22.17	22.16		
10	16QAM	1	0	22.21	22.28	22.37	22.39	22.35	22.46		
10	16QAM	1	25	22.44	22.27	22.37	22.38	22.30	22.39		
10	16QAM	1	49	22.22	22.27	22.42	22.25	22.39	22.20		
10	16QAM	25	0	21.22	21.32	21.28	21.67	21.43	21.29	22	2
10	16QAM	25	12	21.28	21.18	21.44	21.43	21.54	21.29		
10	16QAM	25	25	21.29	21.37	21.35	21.42	21.31	21.24		
10	16QAM	50	0	21.34	21.31	21.15	21.55	21.19	21.11		
10	64QAM	1	0	21.23	21.37	21.35	21.64	21.45	21.41		
10	64QAM	1	25	21.46	21.31	21.29	21.22	21.31	21.28	22	2
10	64QAM	1	49	21.14	21.28	21.34	21.19	21.44	21.22		
10	64QAM	25	0	20.26	20.43	20.37	20.61	20.59	20.33		
10	64QAM	25	12	20.38	20.21	20.35	20.34	20.45	20.23		
10	64QAM	25	25	20.38	20.31	20.30	20.52	20.33	20.30		
10	64QAM	50	0	20.14	20.15	20.21	20.59	20.15	20.12	19	5
10	256QAM	1	0	18.17	18.31	18.42	18.62	18.52	18.30		
10	256QAM	1	25	18.26	18.23	18.31	18.38	18.44	18.26		
10	256QAM	1	49	18.37	18.41	18.25	18.25	18.29	18.16		
10	256QAM	25	0	18.13	18.25	18.16	18.40	18.26	18.15		
10	256QAM	25	12	18.47	18.29	18.44	18.45	18.44	18.48	19	5
10	256QAM	25	25	18.33	18.20	18.30	18.25	18.16	18.26		
10	256QAM	50	0	18.33	18.19	18.40	18.23	18.46	18.39		
Channel				39715	39675	40148	40620	41093	41565		
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5	24	0
5	QPSK	1	0	22.85	22.39	22.54	22.61	22.54	22.47		
5	QPSK	1	12	22.60	22.40	22.48	22.69	22.74	22.47	23	1
5	QPSK	1	24	22.31	22.29	22.54	22.49	22.58	22.28		
5	QPSK	12	0	22.30	22.35	22.36	22.69	22.38	22.19		
5	QPSK	12	7	22.26	22.33	22.55	22.41	22.59	22.30		
5	QPSK	12	13	22.36	22.25	22.41	22.26	22.32	22.19		
5	QPSK	25	0	22.23	22.22	22.20	22.55	22.14	22.11	23	1
5	16QAM	1	0	22.30	22.23	22.45	22.39	22.49	22.48		
5	16QAM	1	12	22.45	22.23	22.35	22.47	22.29	22.42		
5	16QAM	1	24	22.27	22.21	22.46	22.32	22.40	22.22		
5	16QAM	12	0	21.18	21.34	21.24	21.57	21.43	21.31		
5	16QAM	12	7	21.32	21.28	21.38	21.35	21.56	21.23	22	2
5	16QAM	12	13	21.33	21.25	21.25	21.44	21.34	21.25		
5	16QAM	25	0	21.26	21.30	21.32	21.54	21.12	21.12	22	2
5	64QAM	1	0	21.26	21.46	21.22	21.57	21.50	21.45		
5	64QAM	1	12	21.34	21.39	21.33	21.29	21.54	21.32		
5	64QAM	1	24	21.15	21.32	21.30	21.26	21.25	21.16		
5	64QAM	12	0	20.19	20.44	20.40	20.65	20.69	20.40		
5	64QAM	12	7	20.38	20.29	20.35	20.31	20.44	20.38	21	3
5	64QAM	12	13	20.30	20.29	20.30	20.46	20.26	20.17		
5	64QAM	25	0	20.12	20.19	20.12	20.55	20.16	20.13		
5	256QAM	1	0	18.21	18.31	18.42	18.67	18.53	18.35		
5	256QAM	12	13	18.24	18.18	18.24	18.43	18.38	18.31		
5	256QAM	1	24	18.26	18.32	18.26	18.34	18.26	18.23	19	5
5	256QAM	12	0	18.14	18.25	18.17	18.38	18.19	18.01		
5	256QAM	12	7	18.40	18.30	18.36	18.48	18.42	18.50		
5	256QAM	12	13	18.31	18.19	18.31	18.31	18.31	18.31		
5	256QAM	25	0	18.38	18.13	18.41	18.25	18.35	18.33		

Reduced Power Mode for Other PA ECI6

Band 2 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	21.40	21.52	21.44	22.8	0	
20	QPSK	50	0	21.37	21.51	21.30	22.8		
20	QPSK	100	0	21.32	21.46	21.38		0	

Band 38 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.77	22.88	22.82	24	0	
20	QPSK	50	0	21.73	21.82	21.68			
20	QPSK	100	0	21.65	21.67	21.58	23	1	

Band 7 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20650	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.31	20.38	20.14	21.4	0	
20	QPSK	50	0	20.28	20.32	20.16			
20	QPSK	100	0	20.26	20.30	20.23		0	

Band 41 Ant1												
BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch / Freq	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				39790	39750	40185	40620	41055	41490			
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	22.48	22.52	22.88	22.77	22.85	22.52	24	0	
20	QPSK	1	49	22.70	22.51	22.89	22.70	22.87	22.61			
20	QPSK	1	99	22.38	22.44	22.56	22.59	22.55	22.41			
20	QPSK	50	0	22.37	22.39	22.46	22.76	22.54	22.36			
20	QPSK	50	24	22.46	22.43	22.60	22.52	22.57	22.31	24	0	
20	QPSK	50	50	22.69	22.49	22.42	22.57	22.41	22.34			
20	QPSK	100	0	22.37	22.35	22.33	22.63	22.38	22.14			
20	16QAM	1	0	22.40	22.43	22.41	22.57	22.52	22.49			
20	16QAM	1	49	22.41	22.39	22.39	22.44	22.42	22.45	24	0	
20	16QAM	1	99	22.43	22.38	22.41	22.37	22.52	22.42			
20	16QAM	50	0	21.27	21.48	21.38	21.73	21.62	21.29			
20	16QAM	50	24	21.51	21.25	21.55	21.52	21.63	21.46			
20	16QAM	50	50	21.30	21.41	21.40	21.56	21.40	21.37	23	1	
20	16QAM	100	0	21.28	21.38	21.21	21.61	21.28	21.16			
20	64QAM	1	0	21.24	21.46	21.32	21.63	21.59	21.41			
20	64QAM	1	49	21.52	21.39	21.35	21.47	21.40	21.32			
20	64QAM	1	99	21.31	21.32	21.56	21.34	21.52	21.30	23	1	
20	64QAM	50	0	20.35	20.45	20.52	20.77	20.73	20.40			
20	64QAM	50	24	20.43	20.30	20.54	20.54	20.80	20.37			
20	64QAM	50	50	20.38	20.45	20.42	20.51	20.35	20.40			
20	64QAM	100	0	20.27	20.38	20.20	20.67	20.25	20.19	22	2	
20	256QAM	1	0	18.34	18.52	18.39	18.71	18.60	18.44			
20	256QAM	1	49	18.35	18.40	18.47	18.43	18.49	18.27			
20	256QAM	1	99	18.40	18.39	18.41	18.43	18.44	18.25			
20	256QAM	50	0	18.37	18.30	18.27	18.54	18.31	18.22	20	4	
20	256QAM	50	24	18.52	18.41	18.40	18.64	18.51	18.53			
20	256QAM	50	50	18.44	18.34	18.48	18.42	18.43	18.42			
20	256QAM	100	0	18.47	18.27	18.59	18.34	18.40	18.38			
Channel				39795	39755	40190	40620	41065	41500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2503.5	2548.3	2593	2637.5	2682.5			
15	QPSK	1	0	22.36	22.46	22.44	22.58	22.58	22.40	24	0	
15	QPSK	1	37	22.49	22.33	22.42	22.61	22.69	22.43			
15	QPSK	1	74	22.32	22.36	22.53	22.53	22.50	22.22			
15	QPSK	36	0	22.18	22.22	22.31	22.67	22.40	22.25			
15	QPSK	36	20	22.24	22.36	22.54	22.32	22.50	22.31	24	0	
15	QPSK	36	39	22.39	22.31	22.39	22.31	22.37	22.23			
15	QPSK	75	0	22.24	22.25	22.19	22.51	22.38	22.03			
15	16QAM	1	0	22.27	22.23	22.38	22.41	22.46	22.42			
15	16QAM	1	37	22.41	22.37	22.26	22.45	22.31	22.43	24	0	
15	16QAM	1	74	22.33	22.18	22.35	22.31	22.47	22.27			
15	16QAM	36	0	21.24	21.19	21.30	21.69	21.46	21.28			
15	16QAM	36	20	21.41	21.19	21.39	21.42	21.62	21.35			
15	16QAM	36	39	21.30	21.37	21.28	21.48	21.34	21.38	23	1	
15	16QAM	75	0	21.31	21.30	21.05	21.50	21.13	21.13			
15	64QAM	1	0	21.28	21.38	21.34	21.54	21.46	21.37			
15	64QAM	1	37	21.38	21.28	21.35	21.22	21.27	21.25			
15	64QAM	1	74	21.18	21.20	21.32	21.31	21.50	21.24	23	1	
15	64QAM	36	0	20.16	20.37	20.33	20.55	20.54	20.21			
15	64QAM	36	20	20.29	20.17	20.41	20.46	20.48	20.26			
15	64QAM	36	39	20.38	20.25	20.28	20.48	20.29	20.21			
15	64QAM	75	0	20.22	20.22	20.22	20.66	20.21	20.22	22	2	
15	256QAM	1	0	18.25	18.28	18.38	18.61	18.55	18.26			
15	256QAM	1	37	18.29	18.29	18.42	18.48	18.45	18.21			
15	256QAM	1	74	18.29	18.44	18.30	18.25	18.26	18.16			
15	256QAM	36	0	18.23	18.16	18.11	18.31	18.23	18.09	20	4	
15	256QAM	36	20	18.38	18.34	18.42	18.45	18.43	18.52			
15	256QAM	36	39	18.38	18.21	18.36	18.23	18.22	18.25			
15	256QAM	75	0	18.25	18.22	18.47	18.37	18.41	18.33			
Channel				39740	39700	40160	40620	41060	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2465	2461	2547	2591	2639	2685			
10	QPSK	1	0	22.36	22.44	22.54	22.52	22.52	22.38	24	0	
10	QPSK	1	25	22.53	22.40	22.43	22.60	22.65	22.55			
10	QPSK	1	49	22.39	22.41	22.54	22.57	22.59	22.27			
10	QPSK	25	0	22.21	22.34	22.42	22.57	22.47	22.22			
10	QPSK	25	12	22.32	22.25	22.57	22.38	22.47	22.32	24	0	
10	QPSK	25	25	22.42	22.30	22.33	22.40	22.27	22.12			
10	QPSK	50	0	22.18	22.17	22.14	22.57	22.17	22.16			
10	16QAM	1	0	22.21	22.28	22.37	22.39	22.35	22.46			
10	16QAM	1	25	22.44	22.27	22.37	22.38	22.30	22.39	24	0	
10	16QAM	1	49	22.22	22.27	22.42	22.25	22.39	22.20			
10	16QAM	25	0	21.22	21.32	21.28	21.67	21.43	21.29			
10	16QAM	25	12	21.28	21.18	21.44	21.43	21.54	21.29			
10	16QAM	25	25	21.29	21.37	21.35	21.42	21.31	21.24	23	1	
10	16QAM	50	0	21.34	21.31	21.15	21.55	21.19	21.11			
10	64QAM	1	0	21.23	21.37	21.35	21.64	21.45	21.41			
10	64QAM	1	25	21.46	21.31	21.29	21.22	21.31	21.28			
10	64QAM	1	49	21.14	21.28	21.34	21.19	21.44	21.22	22	2	
10	64QAM	25	0	20.26	20.43	20.37	20.61	20.59	20.33			
10	64QAM	25	12	20.38	20.21	20.35	20.34	20.45	20.23			
10	64QAM	25	25	20.38	20.31	20.30	20.52	20.33	20.30			
10	64QAM	50	0	20.14	20.15	20.21	20.59	20.15	20.12	20	4	
10	256QAM	1	0	18.17	18.31	18.42	18.62	18.52	18.30			
10	256QAM	1	25	18.26	18.23	18.31	18.38	18.44	18.26			
10	256QAM	1	49	18.37	18.41	18.25	18.25	18.29	18.16			
10	256QAM	25	0	18.13	18.25	18.16	18.40	18.26	18.15	20	4	
10	256QAM	25	12	18.47	18.29	18.44	18.45	18.44	18.48			
10	256QAM	25	25	18.33	18.20	18.30	18.25	18.16	18.26			
10	256QAM	50	0	18.33	18.19	18.40	18.23	18.46	18.39			
Channel				39715	39675	40148	40620	41063	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	22.85	22.39	22.54	22.61	22.54	22.47	24	0	
5	QPSK	1	12	22.60	22.40	22.48	22.69	22.74	22.47			
5	QPSK	1	24	22.31	22.29	22.54	22.49	22.58	22.28			
5	QPSK	12	0	22.30	22.35	22.36	22.69	22.38	22.19			
5	QPSK	12	7	22.26	22.33	22.55	22.41			24	0	
5	QPSK	12	13	22.36	22.25	22.41	22.26	22.32	22.19			
5	QPSK	25	0	22.23	22.22	22.20	22.55	22.14	22.11			
5	16QAM	1	0	22.30	22.23	22.45	22.39	22.49	22.48			
5	16QAM	1	12	22.35	22.23	22.35	22.47	22.28	22.47	23	1	
5	16QAM	1	24	22.27	22.21	22.24	22.40	22.32	22.40			
5	16QAM	12	0	21.18	21.24	21.24	21.57	21.43	21.31			
5	16QAM	12	7	21.32	21.28	21.38	21.35	21.56	21.23			
5	16QAM	12	13	21.33	21.25	21.25	21.44	21.34	21.25	23	1	
5	16QAM	25	0	21.28	21.30	21.21	21.52	21.12	21.21			
5	64QAM	1	0	21.28	21.46	21.22	21.57	21.50	21.40			
5	64QAM	1	12	21.34	21.39	21.33	21.29	21.54	21.32			
5	64QAM	1	24	21.15	21.32	21.30	21.26	21.25	21.16	22	2	
5	64QAM	12	0	20.19	20.44	20.26	20.62	20.69	20.40			
5	64QAM	12	7	20.38	20.29	20.35	20.31	20.44	20.38			
5	64QAM	12	13	20.30	20.29	20.40	20.46	20.26	20.17			
5	64QAM	25	0	20.12	20.19	20.12	20.55	20.16	20.13	20	4	
5	256QAM	1	0	18.21	18.31	18.42	18.67	18.53	18.35			
5	256QAM	1	12	18.24	18.18	18.40	18.43	18.38	18.28			
5	256QAM	1	24	18.26	18.32	18.26	18.34	18.26	18.23			
5	256QAM	12	0	18.14	18.25	18.17	18.38	18.19	18.01	20	4	
5	256QAM	12	7	18.40	18.30	18.36	18.48	18.42	18.50			
5	256QAM	12	13	18.31	18.19	18.31	18.31	18.42	18.30			
5	256QAM	25	0	18.38	18.13	18.41	18.25	18.35	18.33			

Reduced Power Mode for Other PA EC17

Band 2 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel Frequency (MHz)				1890	1890	1900			
20	QPSK	1	0	19.48	19.71	19.57	20.7	0	
20	QPSK	50	0	19.47	19.52	19.34	20.7	0	
20	QPSK	100	0	19.41	19.45	19.35			

Band 38 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel Frequency (MHz)				21350	21350	21350			
20	QPSK	1	0	20.91	21.09	21.02	22.9	0	
20	QPSK	50	0	21.91	21.93	20.95	22.9	0	
20	QPSK	100	0	20.93	20.95	20.85			

Band 7 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel Frequency (MHz)				20600	21100	21350			
20	QPSK	1	0	18.23	18.35	18.29	19.4	0	
20	QPSK	50	0	18.19	18.31	18.16	19.4	0	
20	QPSK	100	0	18.08	18.25	18.20			

Band 41 Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40165	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.94	21.04	21.17	21.08	21.02	22.9	0
20	QPSK	1	49	20.97	20.99	21.02	21.00	20.98		
20	QPSK	1	99	21.10	21.09	21.02	20.93	21.11		
20	QPSK	50	0	20.97	21.10	21.15	20.91	20.93	22.9	0
20	QPSK	50	24	21.12	21.03	20.96	21.12	21.05		
20	QPSK	50	50	20.96	21.07	21.02	21.01	20.92		
20	QPSK	100	0	21.08	21.09	21.12	20.94	21.02	22.9	0
20	16QAM	1	0	21.01	21.04	21.05	21.03	21.03		
20	16QAM	1	49	20.96	20.96	21.15	21.04	20.99		
20	16QAM	1	99	20.99	21.02	21.02	20.97	21.09	22	0.9
20	16QAM	50	0	21.07	21.00	21.13	21.09	21.15		
20	16QAM	50	24	21.09	21.02	21.10	20.92	21.08		
20	16QAM	50	50	20.93	20.99	21.10	21.03	21.08	21	1.9
20	16QAM	100	0	20.93	21.06	21.05	20.92	21.02		
20	64QAM	1	0	20.96	21.10	20.93	20.96	21.14		
20	64QAM	1	49	20.91	21.01	21.07	21.14	21.04	22	0.9
20	64QAM	1	99	21.06	20.93	21.14	21.11	21.05		
20	64QAM	50	0	20.45	20.61	20.58	20.44	20.51		
20	64QAM	50	24	20.48	20.29	20.45	20.34	20.34	21	1.9
20	64QAM	50	50	20.37	20.32	20.43	20.66	20.40		
20	64QAM	100	0	20.39	20.53	20.44	20.36	20.43		
20	256QAM	1	0	18.35	18.37	18.38	18.41	18.33	19	3.9
20	256QAM	1	49	18.25	18.49	18.37	18.48	18.44		
20	256QAM	1	99	18.45	18.41	18.25	18.41	18.53		
20	256QAM	50	0	18.53	18.53	18.33	18.46	18.50	19	3.9
20	256QAM	50	24	18.43	18.41	18.50	18.34	18.42		
20	256QAM	50	50	18.28	18.48	18.43	18.43	18.60		
20	256QAM	100	0	18.49	18.39	18.43	18.42	18.41		
Channel				37725	41172	40620	41058	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2682.5		
15	QPSK	1	0	21.14	21.08	21.13	21.04	21.05	23	0
15	QPSK	1	37	21.04	21.00	21.02	21.02	20.96		
15	QPSK	1	74	21.14	21.12	21.02	20.97	21.03		
15	QPSK	36	0	20.80	21.10	21.08	20.99	20.90	22.9	0
15	QPSK	36	20	21.11	21.00	21.07	21.09	21.12		
15	QPSK	36	39	20.97	21.05	21.04	21.05	20.99		
15	QPSK	75	0	20.94	20.96	21.11	20.94	21.11	22.9	0
15	16QAM	1	0	21.01	21.03	21.04	21.08	21.07		
15	16QAM	1	37	21.09	20.99	21.06	21.15	21.05		
15	16QAM	1	74	20.98	21.09	20.91	20.91	21.03	22	0.9
15	16QAM	36	0	21.14	21.05	20.94	21.15	21.02		
15	16QAM	36	20	21.01	21.03	20.98	20.98	21.09		
15	16QAM	36	39	21.09	21.00	21.09	21.03	20.97	21	1.9
15	16QAM	75	0	21.00	20.97	20.92	20.95	20.98		
15	64QAM	1	0	20.99	21.14	21.04	20.99	21.00		
15	64QAM	1	37	21.06	21.10	21.06	20.99	21.07	22	0.9
15	64QAM	1	74	21.02	21.08	21.16	21.04	21.09		
15	64QAM	36	0	20.45	20.54	20.62	20.39	20.50		
15	64QAM	36	20	20.36	20.26	20.55	20.55	20.32	21	1.9
15	64QAM	36	39	20.33	20.38	20.49	20.53	20.37		
15	64QAM	75	0	20.62	20.57	20.43	20.47	20.47		
15	256QAM	1	0	18.36	18.38	18.41	18.54	18.42	19	3.9
15	256QAM	1	37	18.23	18.40	18.38	18.44	18.45		
15	256QAM	1	74	18.45	18.56	18.33	18.39	18.39		
15	256QAM	36	0	18.51	18.50	18.49	18.40	18.54	19	3.9
15	256QAM	36	20	18.43	18.37	18.56	18.55	18.37		
15	256QAM	36	39	18.30	18.47	18.32	18.37	18.57		
15	256QAM	75	0	18.37	18.44	18.54	18.45	18.59		
Channel				39700	40160	40620	41060	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2491	2547	2594	2639	2685		
10	QPSK	1	0	21.09	21.05	21.15	21.14	21.08	23	0
10	QPSK	1	25	20.99	20.94	21.03	20.97	20.96		
10	QPSK	1	49	21.05	21.00	20.98	20.98	21.05		
10	QPSK	25	0	20.98	21.12	21.07	21.04	20.90	22.9	0
10	QPSK	25	12	21.13	21.09	20.95	21.12	21.08		
10	QPSK	25	25	21.06	21.16	21.05	21.03	20.97		
10	QPSK	50	0	20.92	21.01	21.11	20.98	21.05	22.9	0
10	16QAM	1	0	21.06	20.96	21.13	21.12	21.08		
10	16QAM	1	25	21.05	21.01	21.13	21.12	21.05		
10	16QAM	1	49	21.08	21.09	21.01	20.92	20.99	22	0.9
10	16QAM	25	0	21.00	20.92	21.04	21.06	21.08		
10	16QAM	25	12	21.14	20.99	21.11	21.02	21.14		
10	16QAM	25	25	20.94	21.07	21.12	20.87	21.13	22	0.9
10	16QAM	50	0	20.92	20.96	21.06	20.99	20.97		
10	64QAM	1	0	21.09	21.10	21.02	20.87	20.98		
10	64QAM	1	25	21.05	21.10	21.11	21.07	21.09	22	0.9
10	64QAM	1	49	21.11	20.97	21.01	20.98	21.06		
10	64QAM	25	0	20.36	20.52	20.60	20.40	20.60		
10	64QAM	25	12	20.42	20.32	20.45	20.39	20.35	21	1.9
10	64QAM	25	25	20.36	20.37	20.49	20.56	20.47		
10	64QAM	50	0	20.61	20.43	20.51	20.37	20.40		
10	256QAM	1	0	18.36	18.45	18.35	18.63	18.43	19	3.9
10	256QAM	1	25	18.26	18.35	18.38	18.42	18.38		
10	256QAM	1	49	18.53	18.52	18.36	18.32	18.56		
10	256QAM	25	0	18.46	18.48	18.30	18.40	18.56	19	3.9
10	256QAM	25	12	18.41	18.40	18.55	18.46	18.39		
10	256QAM	25	25	18.32	18.51	18.38	18.54	18.42		
10	256QAM	50	0	18.30	18.43	18.39	18.52	18.46		
Channel				39875	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.04	21.02	21.16	21.08	21.11	23	0
5	QPSK	1	12	20.95	20.99	21.00	21.05	20.95		
5	QPSK	1	24	21.05	21.11	21.11	20.98	20.99		
5	QPSK	12	0	20.97	21.11	21.14	20.90	20.97	22.9	0
5	QPSK	12	7	21.16	21.10	21.11	21.03	21.13		
5	QPSK	12	13	21.05	21.06	21.08	21.08	20.96		
5	QPSK	25	0	20.99	20.98	21.11	21.08	21.14	22.9	0
5	16QAM	1	0	21.07	21.01	21.08	21.03	21.08		
5	16QAM	1	12	20.98	21.03	21.01	21.07	20.99		
5	16QAM	1	24	20.95	21.05	20.95	21.01	20.99	22	0.9
5	16QAM	12	0	21.09	20.96	21.08	21.10	21.05		
5	16QAM	12	7	21.11	21.09	21.07	21.00	21.02		
5	16QAM	12	13	20.98	21.11	21.14	20.91	21.05	21	1.9
5	16QAM	25	0	21.04	21.06	21.06	20.96	20.96		
5	64QAM	1	0	21.05	21.09	20.99	21.06	21.10		
5	64QAM	1	12	20.97	21.04	21.06	21.08	21.13	22	0.9
5	64QAM	1	24	21.15	21.06	21.03	21.06	21.03		
5	64QAM	12	0	20.49	20.60	20.50	20.38	20.61		
5	64QAM	12	7	20.39	20.21	20.55	20.20	20.37	21	1.9
5	64QAM	12	13	20.41	20.26	20.35	20.59	20.47		
5	64QAM	25	0	20.50	20.49	20.43	20.40	20.42		
5	256QAM	1	0	18.43	18.38	18.39	18.45	18.35	19	3.9
5	256QAM	1	12	18.34	18.34	18.44	18.38	18.34		
5	256QAM	1	24	18.50	18.45	18.32	18.28	18.39		
5	256QAM	12	0	18.53	18.51	18.38	18.33	18.49	19	3.9
5	256QAM	12	7	18.46	18.47	18.57	18.37	18.38		
5	256QAM	12	13	18.34	18.34	18.41	18.42	18.42		
5	256QAM	25	0	18.42	18.43	18.41	18.42	18.47		

Full&Default Power Mode

n5 Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166500	167350	167600	839	0.0
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.37	22.58	22.41	24.0	0.0
20	QPSK	50	28	22.45	22.53	22.49	24.0	0.0
20	QPSK	100	0	22.20	22.46	22.44	24.0	0.0

n7 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	2535	0.0
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	22.87	23.06	22.83	24.0	0.0
50	QPSK	135	88	22.84	23.03	22.93	24.0	0.0
50	QPSK	270	0	22.86	22.98	22.82	24.0	0.0

n5 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167600	834	0.0
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.69	22.82	22.80	24.0	0.0
20	QPSK	50	28	22.72	22.75	22.63	24.0	0.0
20	QPSK	100	0	22.59	22.81	22.54	24.0	0.0

n38 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519696	2590.02	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.96	23.09	22.87	24.0	0.0
40	QPSK	50	28	22.83	23.09	23.02	24.0	0.0
40	QPSK	100	0	22.71	22.95	22.88	24.0	0.0

n26 Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167350	167600	834	0.0
Frequency (MHz)				834	831.5	839		
20	QPSK	1	1	22.55	22.69	22.81	24.0	0.0
20	QPSK	50	28	22.47	22.68	22.56	24.0	0.0
20	QPSK	100	0	22.57	22.65	22.56	24.0	0.0

n38 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519696	2590.02	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.96	23.01	22.98	24.0	0.0
40	QPSK	50	28	22.80	22.97	22.91	24.0	0.0
40	QPSK	100	0	22.92	22.95	22.81	24.0	0.0

n7 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	2525	0.0
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	22.92	23.02	22.72	24.0	0.0
50	QPSK	135	88	22.81	22.85	22.63	24.0	0.0
50	QPSK	270	0	22.74	22.87	22.62	24.0	0.0

n41 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				836202	836594	836900	2546.01	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	22.92	23.11	23.07	24.0	0.0
100	QPSK	135	69	22.83	23.04	23.00	24.0	0.0
100	QPSK	270	0	22.99	23.08	22.97	24.0	0.0

n41 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505002	518598	528000	2546.01	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	23.04	23.13	23.03	24.0	0.0
100	QPSK	135	69	22.88	23.03	22.94	24.0	0.0
100	QPSK	270	0	22.81	22.95	22.88	24.0	0.0

n26 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167600	824	0.0
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.79	22.89	22.69	24.0	0.0
20	QPSK	40	28	22.65	22.78	22.65	24.0	0.0
20	QPSK	100	0	22.89	22.81	22.64	24.0	0.0

n71									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	23.07	23.13	22.97	24.0	0.0	
20	PI2 BPSK	1	53	22.98	23.01	22.91			
20	PI2 BPSK	1	104	22.97	23.00	22.83			
20	PI2 BPSK	50	0	23.09	23.13	22.90	24.0	0.0	
20	PI2 BPSK	50	28	22.98	22.98	22.98	24.0	0.0	
20	PI2 BPSK	50	56	22.83	23.05	22.94	24.0	0.0	
20	PI2 BPSK	100	0	22.98	22.98	22.92	24.0	0.0	
20	QPSK	1	1	23.12	23.18	23.16			
20	QPSK	1	53	23.01	23.09	23.03			
20	QPSK	1	104	22.98	23.14	23.09	24.0	0.0	
20	QPSK	50	0	22.82	22.85	22.86			
20	QPSK	50	28	23.03	23.14	23.04			
20	QPSK	50	56	22.74	22.83	22.72	24.0	0.0	
20	QPSK	100	0	22.81	22.94	22.80	24.0	0.0	
20	16QAM	1	1	22.89	22.98	22.83			
20	64QAM	1	1	22.81	22.97	22.81			
20	256QAM	1	1	21.43	21.57	21.53	22.5	1.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.98	23.06	23.11	24.0	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				668	680.5	693	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.02	23.06	23.10	24.0	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	696.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.96	23.10	23.07	24.0	0.0	

n71									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PV2 BPSK	1	1	22.92	22.92	22.82	24.0	0.0	
20	PV2 BPSK	1	53	22.82	22.76	22.68			
20	PV2 BPSK	1	104	22.74	22.77	22.68			
20	PV2 BPSK	50	0	22.84	22.92	22.71	24.0	0.0	
20	PV2 BPSK	50	28	22.78	22.77	22.76	24.0	0.0	
20	PV2 BPSK	50	56	22.68	22.81	22.70	24.0	0.0	
20	PV2 BPSK	100	0	22.78	22.80	22.75	24.0	0.0	
20	QPSK	1	1	22.96	22.98	22.91	24.0	0.0	
20	QPSK	1	53	22.78	22.94	22.77			
20	QPSK	1	104	22.75	22.91	22.87			
20	QPSK	50	0	22.66	22.69	22.61	24.0	0.0	
20	QPSK	50	28	22.86	22.89	22.81	24.0	0.0	
20	QPSK	50	56	22.56	22.63	22.48	24.0	0.0	
20	QPSK	100	0	22.65	22.75	22.63	24.0	0.0	
20	16QAM	1	1	22.67	22.79	22.59	24.0	0.0	
20	64QAM	1	1	22.67	22.72	22.62	24.0	0.0	
20	256QAM	1	1	21.25	21.38	21.29	22.5	1.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.89	22.90	22.76	24.0	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.88	22.91	22.81	24.0	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	696.5			
5	QPSK	1	1	22.82	22.88	22.84	24.0	0.0	

Part270 n77 PC3 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	18.38	18.47	18.58			
100	PI2 BPSK	1	137	17.84	18.10	18.00	19.5	0.0	
100	PI2 BPSK	1	271	17.81	17.73	17.71			
100	PI2 BPSK	135	0	18.19	18.46	18.19	19.5	0.0	
100	PI2 BPSK	135	69	18.01	18.18	18.04	19.5	0.0	
100	PI2 BPSK	135	138	17.95	17.89	17.83	19.5	0.0	
100	PI2 BPSK	270	0	18.01	18.16	18.06			
100	QPSK	1	1	18.49	18.59	18.49			
100	QPSK	1	137	17.94	18.12	18.01	19.5	0.0	
100	QPSK	1	271	17.83	17.73	17.89			
100	QPSK	135	0	18.37	18.32	18.44	19.5	0.0	
100	QPSK	135	69	18.05	18.59	18.01	19.5	0.0	
100	QPSK	135	138	17.86	18.11	17.85	19.5	0.0	
100	QPSK	270	0	18.03	18.22	18.19			
100	16QAM	1	1	18.23	18.25	18.10	19.5	0.0	
100	64QAM	1	1	18.27	18.33	18.02	19.5	0.0	
100	256QAM	1	1	17.20	17.46	17.42	18.5	1.0	
Channel				645000	650000	642334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.49	18.56	18.47	19.5	0.0	
Channel				649334	650000	662698	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.51	18.63	18.43	19.5	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.43	18.58	18.56	19.5	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.56	18.56	18.57	19.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.47	18.61	18.55	19.5	0.0	
Channel				647999	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.39	18.31	18.39	19.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	18.39	18.41	18.37	19.5	0.0	
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	18.24	18.36	18.31	19.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.10	18.33	18.28	19.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.48	18.59	18.50	19.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.36	18.43	18.50	19.5	0.0	

Part270 n77 Ant3 PC2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	21.61	21.68	21.66			
100	PI2 BPSK	1	137	21.47	21.58	21.66	22.5	0.0	
100	PI2 BPSK	1	271	21.61	21.60	21.71			
100	PI2 BPSK	135	0	21.22	21.02	21.19	22.0	0.5	
100	PI2 BPSK	135	69	21.57	21.54	21.72	22.5	0.0	
100	PI2 BPSK	135	138	21.14	21.13	21.10	22.0	0.5	
100	PI2 BPSK	270	0	21.61	21.04	21.30			
100	QPSK	1	1	21.59	21.74	21.60			
100	QPSK	1	137	21.59	21.48	21.69	22.5	0.0	
100	QPSK	1	271	21.47	21.55	21.60			
100	QPSK	135	0	20.56	20.66	20.61	21.5	1.0	
100	QPSK	135	69	21.56	21.67	21.65	22.5	0.0	
100	QPSK	135	138	20.33	20.84	20.68	21.5	1.0	
100	QPSK	270	0	20.54	20.70	20.60			
100	16QAM	1	1	20.58	20.68	20.61	21.5	1.0	
100	64QAM	1	1	19.18	19.35	19.16	20.0	2.5	
100	256QAM	1	1	17.06	17.16	17.13	18.0	4.5	
Channel				649000	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	21.39	21.56	21.56	22.5	0.0	
Channel				649334	650000	662698	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	21.60	21.52	21.42	22.5	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	21.40	21.68	21.52	22.5	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	21.45	21.63	21.49	22.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	21.39	21.61	21.59	22.5	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	21.56	21.53	21.39	22.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	21.49	21.71	21.45	22.5	0.0	
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	21.40	21.54	21.42	22.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	21.80	21.54	21.50	22.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	21.51	21.57	21.54	22.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	21.59	21.56	21.40	22.5	0.0	

Part270 n78 Ant3 PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)				18.41	18.41	18.41			
100	PI/2 BPSK	1	1		18.13		19.5	0.0	
100	PI/2 BPSK	1	137		17.70				
100	PI/2 BPSK	1	271		18.26		19.5	0.0	
100	PI/2 BPSK	135	0		18.22		19.5	0.0	
100	PI/2 BPSK	135	69		17.87		19.5	0.0	
100	PI/2 BPSK	135	138		18.25				
100	QPSK	1	1		18.01		19.5	0.0	
100	QPSK	1	137		18.24				
100	QPSK	1	271		17.70				
100	QPSK	135	0		18.18		19.5	0.0	
100	QPSK	135	69		18.58		19.5	0.0	
100	QPSK	135	138		18.01		19.5	0.0	
100	QPSK	270	0		18.55				
100	16QAM	1	1		18.29		19.5	0.0	
100	64QAM	1	1		18.37		19.5	0.0	
100	256QAM	1	1		17.48		18.5	1.0	
Channel				649688	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)		
90	QPSK	1	1		18.30	18.51	18.38	19.5	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)		
80	QPSK	1	1		18.27	18.47	18.44	19.5	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)		
70	QPSK	1	1		18.40	18.38	18.28	19.5	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)		
60	QPSK	1	1		18.36	18.46	18.29	19.5	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)		
50	QPSK	1	1		18.26	18.48	18.29	19.5	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)		
40	QPSK	1	1		18.30	18.53	18.42	19.5	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3765.01	(dBm)		
30	QPSK	1	1		18.41	18.40	18.40	19.5	
Channel				647334	650000	652500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)		
25	QPSK	1	1		18.41	18.51	18.34	19.5	
Channel				647000	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)		
20	QPSK	1	1		18.32	18.48	18.31	19.5	
Channel				647188	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)		
15	QPSK	1	1		18.26	18.41	18.36	19.5	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)		
10	QPSK	1	1		18.39	18.54	18.41	19.5	

Part270 n78 Ant3 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)				21.56	21.56	21.56			
100	PI/2 BPSK	1	1		21.66		22.5	0.0	
100	PI/2 BPSK	1	137		21.54				
100	PI/2 BPSK	1	271		21.27		22.0	0.5	
100	PI/2 BPSK	135	0		21.86		22.5	0.0	
100	PI/2 BPSK	135	69		21.21		22.0	0.5	
100	PI/2 BPSK	135	138		21.19				
100	QPSK	1	1		21.73		22.5	0.0	
100	QPSK	1	137		21.58				
100	QPSK	1	271		21.72				
100	QPSK	135	0		20.67		21.5	1.0	
100	QPSK	135	69		21.70		22.5	0.0	
100	QPSK	135	138		20.83		21.5	1.0	
100	QPSK	270	0		20.05				
100	16QAM	1	1		20.75		21.5	1.0	
100	64QAM	1	1		19.11		20.0	2.5	
100	256QAM	1	1		17.20		18.0	4.5	
Channel				649688	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)		
90	QPSK	1	1		21.55	21.68	21.55	22.5	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)		
80	QPSK	1	1		21.53	21.69	21.60	22.5	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)		
70	QPSK	1	1		21.52	21.61	21.58	22.5	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)		
60	QPSK	1	1		21.60	21.57	21.57	22.5	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)		
50	QPSK	1	1		21.48	21.62	21.69	22.5	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)		
40	QPSK	1	1		21.53	21.70	21.66	22.5	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3765.01	(dBm)		
30	QPSK	1	1		21.55	21.63	21.68	22.5	
Channel				647334	650000	652500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)		
25	QPSK	1	1		21.60	21.71	21.57	22.5	
Channel				647000	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)		
20	QPSK	1	1		21.60	21.59	21.57	22.5	
Channel				647188	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)		
15	QPSK	1	1		21.50	21.59	21.61	22.5	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)		
10	QPSK	1	1		21.53	21.69	21.64	22.5	

Part270 n77 PC3 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	22.80	22.92	22.78			
100	PI2 BPSK	1	137	22.83	22.86	22.84	24.0	0.0	
100	PI2 BPSK	1	271	22.86	22.94	22.92			
100	PI2 BPSK	135	0	22.82	22.88	22.87	24.0	0.0	
100	PI2 BPSK	135	69	22.81	22.81	22.82	24.0	0.0	
100	PI2 BPSK	135	138	22.84	22.92	22.93	24.0	0.0	
100	PI2 BPSK	270	0	23.01	22.94	22.96			
100	QPSK	1	1	22.96	23.11	22.93			
100	QPSK	1	137	22.86	22.80	22.84	24.0	0.0	
100	QPSK	1	271	22.86	22.95	22.78			
100	QPSK	135	0	22.81	23.02	22.91	24.0	0.0	
100	QPSK	135	69	22.85	23.04	22.94	24.0	0.0	
100	QPSK	135	138	22.94	22.98	22.78	24.0	0.0	
100	QPSK	270	0	22.74	22.95	22.78			
100	16QAM	1	1	22.58	22.67	22.47	24.0	0.0	
100	64QAM	1	1	22.48	22.69	22.59	24.0	0.0	
100	256QAM	1	1	21.78	21.82	21.73	22.5	1.5	
Channel				645000	650000	642334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	22.85	22.84	22.84	24.0	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	22.91	22.88	22.91	24.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	22.93	22.88	22.93	24.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	22.78	22.99	22.92	24.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	22.97	22.99	22.83	24.0	0.0	
Channel				647000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.00	22.90	22.80	24.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3953.01			
30	QPSK	1	1	22.97	22.94	22.71	24.0	0.0	
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	22.94	22.97	22.65	24.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	22.77	22.98	22.75	24.0	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	22.75	22.88	22.70	24.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	22.96	22.88	22.69	24.0	0.0	

Part270 n77Ant5 PC2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	25.79	25.93	25.88			
100	PI2 BPSK	1	137	25.80	25.87	25.86	27.0	0.0	
100	PI2 BPSK	1	271	25.84	26.07	25.84			
100	PI2 BPSK	135	0	25.24	25.42	25.42	26.5	0.5	
100	PI2 BPSK	135	69	25.84	25.88	25.89	27.0	0.0	
100	PI2 BPSK	135	138	25.28	25.51	25.51	26.5	0.5	
100	PI2 BPSK	270	0	25.59	25.57	25.55			
100	QPSK	1	1	26.03	26.15	25.96			
100	QPSK	1	137	25.80	25.96	25.95	27.0	0.0	
100	QPSK	1	271	25.91	25.94	25.85			
100	QPSK	135	0	24.91	24.98	25.04	26.0	1.0	
100	QPSK	135	69	25.88	26.08	26.00	27.0	0.0	
100	QPSK	135	138	25.92	26.05	24.71	26.0	1.0	
100	QPSK	270	0	24.89	25.01	24.86			
100	16QAM	1	1	24.65	24.68	24.53	26.0	1.0	
100	64QAM	1	1	23.09	23.25	23.19	24.5	2.5	
100	256QAM	1	1	21.54	21.61	21.49	22.5	4.5	
Channel				649000	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	25.88	26.06	25.88	27.0	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	25.91	26.06	25.93	27.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	25.89	26.07	25.90	27.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	25.92	26.00	25.80	27.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	25.88	26.09	25.79	27.0	0.0	
Channel				647000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	25.95	26.01	25.82	27.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3953.01			
30	QPSK	1	1	25.94	26.05	25.83	27.0	0.0	
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	25.92	26.03	25.80	27.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	25.98	26.08	25.80	27.0	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	25.90	26.02	25.89	27.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	25.97	26.05	25.83	27.0	0.0	

Part270 n78 PC2 Ant5 PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)									
100	PI2 BPSK	1	1		23.00				
100	PI2 BPSK	1	137		22.92		24.0		0.0
100	PI2 BPSK	1	271		22.94				
100	PI2 BPSK	135	0		22.84		24.0		0.0
100	PI2 BPSK	135	69		22.89		24.0		0.0
100	PI2 BPSK	135	138		22.95		24.0		0.0
100	PI2 BPSK	270	0		22.87				
100	QPSK	1	1		23.06				
100	QPSK	1	137		22.82		24.0		0.0
100	QPSK	1	271		22.90				
100	QPSK	135	0		22.95		24.0		0.0
100	QPSK	135	69		22.88		24.0		0.0
100	QPSK	135	138		22.94		24.0		0.0
100	QPSK	270	0		22.98				
100	16QAM	1	1		22.81		24.0		0.0
100	64QAM	1	1		22.72		24.0		0.0
100	256QAM	1	1		21.87		22.5		1.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.91	22.93	22.95	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		22.78	23.05	22.81	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.77	22.88	22.75	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.72	22.80	23.01	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.65	22.78	23.01	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.94	22.82	22.94	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3735.01			
30	QPSK	1	1		23.01	22.90	22.91	24.0	0.0
Channel				647334	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		22.77	22.92	22.79	24.0	0.0
Channel				647000	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		22.95	22.89	22.81	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		22.98	22.80	22.90	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.87	22.98	23.01	24.0	0.0

Part270 n78 Ant5 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq 650000	Power Middle Ch / Freq 650000	Power High Ch / Freq 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)									
100	PI2 BPSK	1	1		26.08				
100	PI2 BPSK	1	137		25.91		27.0	0.0	
100	PI2 BPSK	1	271		25.95				
100	PI2 BPSK	135	0		25.43		26.5	0.5	
100	PI2 BPSK	135	69		25.99		27.0	0.0	
100	PI2 BPSK	135	138		25.45		26.5	0.5	
100	PI2 BPSK	270	0		25.57				
100	QPSK	1	1		26.10				
100	QPSK	1	137		25.97		27.0	0.0	
100	QPSK	1	271		25.91				
100	QPSK	135	0		24.96		26.0	1.0	
100	QPSK	135	69		26.06		27.0	0.0	
100	QPSK	135	138		24.89		26.0	1.0	
100	QPSK	270	0		25.00				
100	16QAM	1	1		24.76		26.0	1.0	
100	64QAM	1	1		23.35		24.5	2.5	
100	256QAM	1	1		21.58		22.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.90	26.00	25.96	27.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.91	25.95	25.88	27.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.92	26.05	25.91	27.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		25.94	25.98	25.95	27.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.87	25.99	25.92	27.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.93	26.02	25.87	27.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3735.01			
30	QPSK	1	1		25.93	25.98	25.88	27.0	
Channel				647334	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		25.84	26.00	25.86	27.0	
Channel				647000	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		25.91	26.03	25.88	27.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		25.94	26.04	25.89	27.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		25.95	26.00	25.92	27.0	

Part270 n77 PC3 Ant7 PC3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	22.47	22.69	22.54			
100	PI2 BPSK	1	137	22.63	22.75	22.58	24.0	0.0	
100	PI2 BPSK	1	271	22.84	22.86	22.57			
100	PI2 BPSK	135	0	22.59	22.85	22.86	24.0	0.0	
100	PI2 BPSK	135	69	22.70	22.79	22.72	24.0	0.0	
100	PI2 BPSK	135	138	22.66	22.82	22.63	24.0	0.0	
100	PI2 BPSK	270	0	22.57	22.73	22.65			
100	QPSK	1	1	22.76	22.87	22.90			
100	QPSK	1	137	22.88	22.73	22.89	24.0	0.0	
100	QPSK	1	271	22.81	22.78	22.52			
100	QPSK	135	0	22.71	22.80	22.67	24.0	0.0	
100	QPSK	135	69	22.84	22.85	22.71	24.0	0.0	
100	QPSK	135	138	22.40	22.58	22.36	24.0	0.0	
100	QPSK	270	0	22.79	22.82	22.74			
100	16QAM	1	1	22.30	22.48	22.18	24.0	0.0	
100	64QAM	1	1	22.29	22.32	22.28	24.0	0.0	
100	256QAM	1	1	21.42	21.54	21.42	23.0	1.0	
Channel				645000	650000	642334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	22.79	22.74	22.75	24.0	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	22.68	22.78	22.60	24.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	22.76	22.74	22.62	24.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	22.77	22.74	22.60	24.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	22.61	22.75	22.64	24.0	0.0	
Channel				645000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	22.73	22.76	22.70	24.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3970.01			
30	QPSK	1	1	22.66	22.77	22.61	24.0	0.0	
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	22.69	22.76	22.72	24.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	22.62	22.72	22.78	24.0	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	22.75	22.79	22.62	24.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	22.74	22.76	22.71	24.0	0.0	

Part270 n77 Ant7 PC2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	25.82	25.87	25.81			
100	PI2 BPSK	1	137	25.77	25.78	25.85	27.0	0.0	
100	PI2 BPSK	1	271	25.79	25.83	25.79			
100	PI2 BPSK	135	0	25.35	25.51	25.34	26.5	0.5	
100	PI2 BPSK	135	69	25.78	25.87	25.74	27.0	0.0	
100	PI2 BPSK	135	138	25.31	25.41	25.33	26.5	0.5	
100	PI2 BPSK	270	0	25.47	25.48	25.35			
100	QPSK	1	1	25.89	25.95	25.87			
100	QPSK	1	137	25.82	25.91	25.82	27.0	0.0	
100	QPSK	1	271	25.76	25.88	25.74			
100	QPSK	135	0	24.89	24.90	24.81	26.0	1.0	
100	QPSK	135	69	25.85	25.87	25.73	27.0	0.0	
100	QPSK	135	138	24.83	24.86	24.90	26.0	1.0	
100	QPSK	270	0	24.81	24.98	24.88			
100	16QAM	1	1	24.90	25.02	24.93	26.0	1.0	
100	64QAM	1	1	23.33	23.41	23.31	24.5	2.5	
100	256QAM	1	1	21.35	21.49	21.35	22.5	4.5	
Channel				649000	650000	642334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	25.85	25.88	25.69	27.0	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	25.79	25.77	25.84	27.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	25.85	25.86	25.75	27.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	25.84	25.84	25.83	27.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	25.74	25.93	25.73	27.0	0.0	
Channel				645000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	25.76	25.83	25.77	27.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3970.01			
30	QPSK	1	1	25.79	25.82	25.81	27.0	0.0	
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	25.85	25.93	25.77	27.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	25.72	25.90	25.81	27.0	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	25.82	25.91	25.79	27.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	25.82	25.88	25.79	27.0	0.0	

Part270 n78 PC3 Ant7 PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)									
100	PI2 BPSK	1	1		22.42				
100	PI2 BPSK	1	137		22.30		24.0		0.0
100	PI2 BPSK	1	271		22.80				
100	PI2 BPSK	135	0		22.30		24.0		0.0
100	PI2 BPSK	135	69		22.48		24.0		0.0
100	PI2 BPSK	135	138		22.54		24.0		0.0
100	PI2 BPSK	270	0		22.47				
100	QPSK	1	1		22.84				
100	QPSK	1	137		22.37		24.0		0.0
100	QPSK	1	271		22.47				
100	QPSK	135	0		22.37		24.0		0.0
100	QPSK	135	69		22.55		24.0		0.0
100	QPSK	135	138		22.49		24.0		0.0
100	QPSK	270	0		22.47				
100	16QAM	1	1		22.46		24.0		0.0
100	64QAM	1	1		22.30		24.0		0.0
100	256QAM	1	1		21.21		23.0	1.0	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	1	22.45	22.55	22.43	24.0		
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	22.53	22.55	22.47	24.0		
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	22.42	22.63	22.46	24.0		
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	22.58	22.62	22.39	24.0		
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	22.40	22.56	22.43	24.0		
Channel				647900	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	22.45	22.50	22.49	24.0		
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	22.50	22.54	22.45	24.0		
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	22.43	22.49	22.53	24.0		
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	22.51	22.57	22.38	24.0		
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.54	22.59	22.42	24.0		
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.48	22.48	22.52	24.0		

Part270 n78 Ant7 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 650000	Power Middle Ch./Freq. 650000	Power High Ch./Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)									
100	PI2 BPSK	1	1	25.59					
100	PI2 BPSK	1	137	25.41			27.0	0.0	
100	PI2 BPSK	1	271	25.61					
100	PI2 BPSK	135	0	25.16			26.5	0.5	
100	PI2 BPSK	135	69	25.63			27.0	0.0	
100	PI2 BPSK	135	138	25.06			26.5	0.5	
100	PI2 BPSK	270	0	25.11					
100	QPSK	1	1	25.69					
100	QPSK	1	137	25.56	25.56		27.0	0.0	
100	QPSK	1	271	25.51					
100	QPSK	135	0	24.65			26.0	1.0	
100	QPSK	135	69	25.49			27.0	0.0	
100	QPSK	135	138	24.67			26.0	1.0	
100	QPSK	270	0	24.61					
100	16QAM	1	1	24.75			26.0	1.0	
100	64QAM	1	1	23.12			24.5	2.5	
100	256QAM	1	1	21.24			22.5	4.5	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	1	25.60	25.53	25.64	27.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	25.57	25.66	25.53	27.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	25.65	25.64	25.56	27.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	25.60	25.58	25.56	27.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	25.54	25.62	25.54	27.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	25.61	25.66	25.55	27.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	25.61	25.63	25.58	27.0	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	25.57	25.64	25.60	27.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	25.64	25.61	25.67	27.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	25.67	25.56	25.54	27.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	25.64	25.57	25.65	27.0	0.0	

Part270 n77 PC3 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F Freq.	Power Middle Ch. F Freq.	Power High Ch. F Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	662000	20.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	19.10	19.07	19.01	20.5	0.0	
100	PI2 BPSK	1	137	18.71	18.86	18.81			
100	PI2 BPSK	1	271	18.92	18.79	18.82			
100	PI2 BPSK	135	0	18.76	19.01	19.94	20.5	0.0	
100	PI2 BPSK	135	69	18.69	18.94	18.71	20.5	0.0	
100	PI2 BPSK	135	138	18.89	18.81	18.72	20.5	0.0	
100	PI2 BPSK	270	0	18.89	18.76	18.66	20.5	0.0	
100	QPSK	1	1	19.21	19.22	19.95			
100	QPSK	1	137	18.90	18.92	18.66			
100	QPSK	1	271	18.60	18.64	18.67	20.5	0.0	
100	QPSK	135	0	18.80	18.89	18.96			
100	QPSK	135	69	18.94	19.05	18.81		0.0	
100	QPSK	135	138	18.73	18.68	18.77	20.5	0.0	
100	QPSK	270	0	18.78	19.00	18.80	20.5	0.0	
100	16QAM	1	1	18.86	19.00	18.94			
100	64QAM	1	1	18.79	19.05	18.91		0.0	
100	256QAM	1	1	18.13	18.02	17.92	19.5	1.0	
Channel				645668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)		
90	QPSK	1	1	18.94	19.12	18.92	20.5	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3743.01	3840	3940.02	(dBm)		
80	QPSK	1	1	19.05	19.16	18.92	20.5	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	(dBm)		
70	QPSK	1	1	18.99	19.10	18.91	20.5	0.0	
Channel				649668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3739.02	3840	3950.01	(dBm)		
60	QPSK	1	1	19.09	19.11	18.94	20.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)		
50	QPSK	1	1	19.02	19.15	18.84	20.5	0.0	
Channel				649000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	(dBm)		
40	QPSK	1	1	19.02	18.19	18.66	20.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3716.02	3840	3965.01	(dBm)		
30	QPSK	1	1	19.09	19.11	18.90	20.5	0.0	
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5	(dBm)		
25	QPSK	1	1	18.93	19.13	18.83	20.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3719.01	3840	3970.02	(dBm)		
20	QPSK	1	1	19.04	19.10	18.81	20.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)		
15	QPSK	1	1	18.96	19.08	18.81	20.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	(dBm)		
10	QPSK	1	1	19.09	19.16	18.82	20.5	0.0	

Part270 n77 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq	Power Middle Ch./ Freq	Power High Ch./ Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	662000	23.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	22.23	22.14	22.19	23.5	0.0	
100	PI2 BPSK	1	137	22.34	22.28	22.16			
100	PI2 BPSK	1	271	22.12	22.28	22.08			
100	PI2 BPSK	135	0	21.68	21.66	21.50	23.0	0.5	
100	PI2 BPSK	135	69	22.16	22.26	22.03	23.5	0.0	
100	PI2 BPSK	135	138	22.25	22.24	22.16	23.0	0.5	
100	PI2 BPSK	270	0	22.34	22.13	21.96	23.5	0.0	
100	QPSK	1	1	22.19	22.35	22.08			
100	QPSK	1	137	22.21	22.22	22.01			
100	QPSK	1	271	22.10	22.13	22.08	22.5	1.0	
100	QPSK	135	0	21.25	21.29	21.01			
100	QPSK	135	69	22.15	22.29	22.07		23.5	
100	QPSK	135	138	21.31	21.19	20.88	22.5	1.0	
100	QPSK	270	0	21.15	21.36	21.04	22.5	1.0	
100	16QAM	1	1	21.17	21.19	21.08			
100	64QAM	1	1	19.63	19.76	19.68		21.0	
100	256QAM	1	1	17.59	17.72	17.57	19.0	4.5	
Channel				646668	650000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	22.29	22.15	22.12	23.5	0.0	
Channel				649334	650000	662668	Tune-up limit	MPR	
Frequency (MHz)				3743.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	22.19	22.18	22.00	23.5	0.0	
Channel				649000	650000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	22.15	22.31	22.00	23.5	0.0	
Channel				649668	650000	663334	Tune-up limit	MPR	
Frequency (MHz)				3739.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	22.16	22.13	22.16	23.5	0.0	
Channel				648334	650000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	22.14	22.24	22.03	23.5	0.0	
Channel				649000	650000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	22.06	22.13	22.10	23.5	0.0	
Channel				647668	650000	664334	Tune-up limit	MPR	
Frequency (MHz)				3716.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	22.27	22.34	22.10	23.5	0.0	
Channel				647500	650000	664500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3840	3967.5	(dBm)	(dB)	
25	QPSK	1	1	22.17	22.28	22.04	23.5	0.0	
Channel				647334	650000	664668	Tune-up limit	MPR	
Frequency (MHz)				3719.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	22.08	22.16	21.98	23.5	0.0	
Channel				647168	650000	664834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	1	22.20	22.17	22.11	23.5	0.0	
Channel				647000	650000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	22.15	22.30	21.96	23.5	0.0	

Part270 n78 PC3 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		19.06		20.5	0.0	
100	PI/2 BPSK	1	137		18.88				
100	PI/2 BPSK	1	271		18.78				
100	PI/2 BPSK	135	0		19.02		20.5	0.0	
100	PI/2 BPSK	135	69		18.79		20.5	0.0	
100	PI/2 BPSK	135	138		18.77		20.5	0.0	
100	PI/2 BPSK	270	0		18.99		20.5	0.0	
100	QPSK	1	1		19.10		20.5	0.0	
100	QPSK	1	137		18.80				
100	QPSK	1	271		18.66				
100	QPSK	135	0		19.00		20.5	0.0	
100	QPSK	135	69		19.06		20.5	0.0	
100	QPSK	135	138		18.71		20.5	0.0	
100	QPSK	270	0		19.04		20.5	0.0	
100	16QAM	1	1		18.98		20.5	0.0	
100	64QAM	1	1		19.01		20.5	0.0	
100	256QAM	1	1		18.13		19.5	1.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		18.85	18.94	18.97	20.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		18.99	18.95	19.04	20.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		18.88	18.83	18.95	20.5	0.0
Channel				648968	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		18.93	18.82	18.99	20.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		18.97	18.86	18.93	20.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		18.94	18.83	19.03	20.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		18.99	18.91	18.98	20.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		18.98	18.92	18.96	20.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		18.95	18.96	19.09	20.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		19.00	18.95	18.97	20.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		18.90	18.95	19.00	20.5	0.0

Part270 n78 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		21.94		23.5	0.0	
100	PI/2 BPSK	1	137		21.96				
100	PI/2 BPSK	1	271		21.88				
100	PI/2 BPSK	135	0		21.29		23.0	0.5	
100	PI/2 BPSK	135	69		21.92		23.5	0.0	
100	PI/2 BPSK	135	138		22.00		23.0	0.5	
100	PI/2 BPSK	270	0		21.77		23.5	0.0	
100	QPSK	1	1		22.28				
100	QPSK	1	137		21.98				
100	QPSK	1	271		21.91		22.5	1.0	
100	QPSK	135	0		20.95		23.5	0.0	
100	QPSK	135	69		22.15		22.5	1.0	
100	QPSK	135	138		20.87		22.5	1.0	
100	QPSK	270	0		21.13		22.5	1.0	
100	16QAM	1	1		20.95		22.5	1.0	
100	64QAM	1	1		19.35		21.0	2.5	
100	256QAM	1	1		17.20		13.0	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.24	22.17	22.09	23.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		22.02	22.23	22.08	23.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.08	22.20	22.05	23.5	0.0
Channel				648968	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.13	22.25	21.98	23.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.04	22.14	22.11	23.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.14	22.14	22.07	23.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		22.00	22.24	22.10	23.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		22.11	22.15	22.09	23.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		22.03	22.18	22.08	23.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		22.00	22.24	21.99	23.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.05	22.14	22.06	23.5	0.0



Reduced Power Mode for ECI 2

n5 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.51	22.64	22.55		
20	QPSK	50	28	22.57	22.58	22.57	24.0	0.0
20	QPSK	100	0	22.43	22.61	22.54	24.0	0.0

n7 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	24.0	0.0
Frequency (MHz)				2525	2532	2545		
50	QPSK	1	1	22.96	22.97	22.86		
50	QPSK	135	68	22.90	22.95	22.88	24.0	0.0
50	QPSK	270	0	22.80	22.87	22.73	24.0	0.0

n5 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	23.6	0.0
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.36	22.42	22.16		
20	QPSK	50	0	22.05	22.27	21.96	23.6	0.0
20	QPSK	100	0	22.01	22.15	22.05	23.6	0.0

n38 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	20.9	0.0
Frequency (MHz)				2548.01	2552.59	2560.99		
40	QPSK	1	1	19.23	19.44	19.15		
40	QPSK	50	28	19.23	19.38	19.16	20.9	0.0
40	QPSK	100	0	19.17	19.31	19.03	20.9	0.0

n26 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800	24.0	0.0
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.57	22.69	22.51		
20	QPSK	50	28	22.48	22.54	22.55	24.0	0.0
20	QPSK	100	0	22.55	22.61	22.58	24.0	0.0

n38 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	24.0	0.0
Frequency (MHz)				2550.02	2552.59	2559.99		
40	QPSK	1	1	22.95	23.01	22.97		
40	QPSK	50	28	22.92	22.97	22.83	24.0	0.0
40	QPSK	100	0	22.81	22.95	22.76	24.0	0.0

n41 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505202	518598	528000	24.0	0.0
Frequency (MHz)				2546.01	2552.99	2560		
100	QPSK	1	1	23.06	23.15	23.08		
100	QPSK	135	68	22.99	23.15	23.05	24.0	0.0
100	QPSK	270	0	22.94	23.07	22.91	24.0	0.0

n26 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800	23.6	0.0
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.45	22.52	22.30		
20	QPSK	50	0	22.24	22.49	22.16	23.6	0.0
20	QPSK	100	0	22.23	22.29	22.17	23.6	0.0

n41 Ant4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505202	518598	528000	20.9	0.0
Frequency (MHz)				2548.01	2552.59	2560.99		
100	QPSK	1	1	19.29	19.45	19.39		
100	QPSK	135	68	19.36	19.40	19.30	20.9	0.0
100	QPSK	270	0	19.28	19.35	19.32	20.9	0.0

n71								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600	24.0	0.0
Frequency (MHz)				693	690.5	696		
20	PI/2 BPSK	1	1	23.07	23.13	22.97		
20	PI/2 BPSK	1	53	22.98	23.01	22.91	24.0	0.0
20	PI/2 BPSK	1	104	22.97	23.00	22.83		
20	PI/2 BPSK	50	0	23.09	23.13	22.90		
20	PI/2 BPSK	50	25	22.96	22.98	22.96	24.0	0.0
20	PI/2 BPSK	50	56	22.83	23.05	22.94		
20	PI/2 BPSK	100	0	22.96	22.98	22.92		
20	QPSK	1	1	23.12	23.18	23.16	24.0	0.0
20	QPSK	1	53	23.01	23.09	23.03		
20	QPSK	1	104	22.98	23.14	23.08		
20	QPSK	50	0	22.82	22.85	22.86	24.0	0.0
20	QPSK	50	25	23.03	23.14	23.04		
20	QPSK	50	56	22.74	22.83	22.72		
20	QPSK	100	0	22.81	22.94	22.80	24.0	0.0
20	16QAM	1	1	22.89	22.98	22.83		
20	64QAM	1	1	22.81	22.97	22.81		
20	256QAM	1	1	21.43	21.57	21.53	22.5	1.5
Channel				134100	136100	137100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.98	23.06	23.11	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.02	23.06	23.10	24.0	0.0
Channel				133100	136100	137100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.96	23.10	23.07	24.0	0.0

n71								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600	24.0	0.0
Frequency (MHz)				693	690.5	696		
20	PI/2 BPSK	1	1	22.92	22.92	22.82	24.0	0.0
20	PI/2 BPSK	1	53	22.82	22.76	22.68		
20	PI/2 BPSK	1	104	22.74	22.77	22.68		
20	PI/2 BPSK	50	0	22.84	22.92	22.71		
20	PI/2 BPSK	50	25	22.76	22.77	22.76	24.0	0.0
20	PI/2 BPSK	50	56	22.68	22.81	22.70	24.0	0.0
20	PI/2 BPSK	100	0	22.78	22.80	22.75		
20	QPSK	1	1	22.96	22.95	22.91	24.0	0.0
20	QPSK	1	53	22.78	22.94	22.77		
20	QPSK	1	104	22.75	22.91	22.87		
20	QPSK	50	0	22.66	22.69	22.61		
20	QPSK	50	25	22.96	22.85	22.81	24.0	0.0
20	QPSK	50	56	22.56	22.63	22.48	24.0	0.0
20	QPSK	100	0	22.65	22.75	22.63		
20	16QAM	1	1	22.67	22.79	22.59	24.0	0.0
20	64QAM	1	1	22.67	22.72	22.62	24.0	0.0
20	256QAM	1	1	21.25	21.35	21.29	22.5	1.5
Channel				134100	136100	137000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.89	22.90	22.76	24.0	0.0
Channel				133600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.88	22.91	22.81	24.0	0.0
Channel				133100	136100	137000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.82	22.88	22.84	24.0	0.0

Part270 n77 PC3 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	19.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.38	18.47	18.58	19.5	0.0	
100	PI/2 BPSK	1	137	17.94	18.10	18.00			
100	PI/2 BPSK	1	271	17.61	17.73	17.71			
100	PI/2 BPSK	135	0	18.19	18.46	18.19			
100	PI/2 BPSK	135	69	18.01	18.16	18.04	19.5	0.0	
100	PI/2 BPSK	135	138	17.95	17.89	17.83			
100	PI/2 BPSK	270	0	18.01	18.18	18.06			
100	QPSK	1	1	18.49	18.65	18.49			
100	QPSK	1	137	17.94	18.12	18.01	19.5	0.0	
100	QPSK	1	271	17.63	17.73	17.69			
100	QPSK	135	0	18.37	18.32	18.44			
100	QPSK	135	69	18.05	18.50	18.01			
100	QPSK	135	138	17.86	18.11	17.85	19.5	0.0	
100	QPSK	270	0	18.03	18.22	18.19			
100	16QAM	1	1	18.23	18.25	18.10		19.5	
100	64QAM	1	1	18.27	18.33	18.02			
100	256QAM	1	1	17.20	17.46	17.42			
Channel				648668	656000	662334	19.5	1.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.49	18.56	18.47	19.5	0.0	
Channel				649334	656000	662668	19.5	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.51	18.63	18.48	19.5	0.0	
Channel				649000	656000	663000	19.5	0.0	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.43	18.58	18.56	19.5	0.0	
Channel				648668	656000	663334	19.5	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.56	18.56	18.57	19.5	0.0	
Channel				648334	656000	663668	19.5	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.47	18.61	18.55	19.5	0.0	
Channel				648000	656000	664000	19.5	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.39	18.51	18.39	19.5	0.0	
Channel				647668	656000	664334	19.5	0.0	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	18.39	18.41	18.37	19.5	0.0	
Channel				647500	656000	664500	19.5	0.0	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	18.24	18.36	18.31	19.5	0.0	
Channel				647234	656000	664668	19.5	0.0	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.10	18.33	18.28	19.5	0.0	
Channel				647168	656000	664834	19.5	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.48	18.59	18.50	19.5	0.0	
Channel				647000	656000	665000	19.5	0.0	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.36	18.43	18.50	19.5	0.0	

Part270 n77 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	22.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	21.61	21.68	21.66	22.5	0.0	
100	PI/2 BPSK	1	137	21.47	21.58	21.66			
100	PI/2 BPSK	1	271	21.61	21.60	21.71			
100	PI/2 BPSK	135	0	21.22	21.02	21.19			
100	PI/2 BPSK	135	69	21.57	21.54	21.72	22.0	0.5	
100	PI/2 BPSK	135	138	21.14	21.13	21.10			
100	PI/2 BPSK	270	0	21.01	21.04	21.30			
100	QPSK	1	1	21.59	21.74	21.60			
100	QPSK	1	137	21.59	21.48	21.69	22.5	0.0	
100	QPSK	1	271	21.47	21.55	21.60			
100	QPSK	135	0	20.56	20.66	20.61			
100	QPSK	135	69	21.55	21.67	21.65			
100	QPSK	135	138	20.53	20.84	20.68	21.5	1.0	
100	QPSK	270	0	20.54	20.70	20.60			
100	16QAM	1	1	20.58	20.68	20.61			
100	64QAM	1	1	19.18	19.35	19.16			
100	256QAM	1	1	17.06	17.16	17.15	18.0	4.5	
Channel				648668	656000	662334	22.5	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	21.39	21.56	21.56	22.5	0.0	
Channel				649334	656000	662668	22.5	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	21.60	21.52	21.42	22.5	0.0	
Channel				649000	656000	663000	22.5	0.0	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	21.40	21.68	21.52	22.5	0.0	
Channel				648668	656000	663334	22.5	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	21.45	21.63	21.49	22.5	0.0	
Channel				648334	656000	663668	22.5	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	21.39	21.61	21.59	22.5	0.0	
Channel				648000	656000	664000	22.5	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	21.56	21.53	21.39	22.5	0.0	
Channel				647668	656000	664334	22.5	0.0	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	21.49	21.71	21.45	22.5	0.0	
Channel				647500	656000	664500	22.5	0.0	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	21.40	21.54	21.42	22.5	0.0	
Channel				647234	656000	664668	22.5	0.0	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	21.60	21.54	21.50	22.5	0.0	
Channel				647168	656000	664834	22.5	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	21.51	21.57	21.54	22.5	0.0	
Channel				647000	656000	665000	22.5	0.0	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	21.59	21.56	21.40	22.5	0.0	

Part270 n78 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		18.41		19.5	0.0	
100	PI/2 BPSK	1	137		18.13				
100	PI/2 BPSK	1	271		17.70				
100	PI/2 BPSK	135	0		18.26		19.5	0.0	
100	PI/2 BPSK	135	69		18.22		19.5	0.0	
100	PI/2 BPSK	135	138		17.97		19.5	0.0	
100	PI/2 BPSK	270	0		18.25				
100	QPSK	1	1		18.62				
100	QPSK	1	137		18.24		19.5	0.0	
100	QPSK	1	271		17.70		19.5	0.0	
100	QPSK	135	0		18.18				
100	QPSK	135	69		18.58				
100	QPSK	135	138		18.01		19.5	0.0	
100	QPSK	270	0		18.55				
100	16QAM	1	1		18.29		19.5	0.0	
100	64QAM	1	1		18.37		19.5	0.0	
100	256QAM	1	1		17.46		18.5	1.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)		
90	QPSK	1	1	18.30	18.51	18.38	19.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)		
80	QPSK	1	1	18.27	18.47	18.44	19.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	(dBm)		
70	QPSK	1	1	18.40	18.38	18.28	19.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)		
60	QPSK	1	1	18.36	18.46	18.29	19.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)		
50	QPSK	1	1	18.28	18.46	18.29	19.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	(dBm)		
40	QPSK	1	1	18.30	18.53	18.42	19.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)		
30	QPSK	1	1	18.41	18.40	18.40	19.5	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)		
25	QPSK	1	1	18.41	18.51	18.34	19.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)		
20	QPSK	1	1	18.32	18.48	18.31	19.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)		
15	QPSK	1	1	18.26	18.41	18.36	19.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	(dBm)		
10	QPSK	1	1	18.39	18.54	18.41	19.5	0.0	

Part270 n78 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3760	3750	3760			
100	PI/2 BPSK	1	1		21.56		22.5	0.0	
100	PI/2 BPSK	1	137		21.66				
100	PI/2 BPSK	1	271		21.54				
100	PI/2 BPSK	135	0		21.27		22.0	0.5	
100	PI/2 BPSK	135	69		21.66		22.5	0.0	
100	PI/2 BPSK	135	138		21.21		22.0	0.5	
100	PI/2 BPSK	270	0		21.19				
100	QPSK	1	1		21.73				
100	QPSK	1	137		21.58		22.5	0.0	
100	QPSK	1	271		21.72		21.5	1.0	
100	QPSK	135	0		20.67				
100	QPSK	135	69		21.70				
100	QPSK	135	138		20.83		21.5	1.0	
100	QPSK	270	0		20.65		21.5	1.0	
100	16QAM	1	1		20.75		21.5	1.0	
100	64QAM	1	1		19.11		20.0	2.5	
100	256QAM	1	1		17.20		18.0	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	21.55	21.68	21.55	22.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	21.55	21.69	21.60	22.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	21.52	21.61	21.58	22.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	21.60	21.57	21.57	22.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	21.49	21.62	21.69	22.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	21.53	21.70	21.66	22.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	21.56	21.63	21.68	22.5	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	21.60	21.71	21.57	22.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	21.60	21.59	21.57	22.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	21.50	21.59	21.61	22.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	21.53	21.69	21.64	22.5	0.0	

Part270 n77 PC2&PC3 Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.33	15.51	15.49			
100	PI/2 BPSK	1	137	15.36	15.36	15.50	16.3	0.0	
100	PI/2 BPSK	1	271	15.28	15.36	15.49			
100	PI/2 BPSK	135	0	15.32	15.49	15.42	16.3	0.0	
100	PI/2 BPSK	135	69	15.41	15.52	15.36	16.3	0.0	
100	PI/2 BPSK	135	138	15.33	15.45	15.31			
100	PI/2 BPSK	270	0	15.32	15.44	15.41	16.3	0.0	
100	QPSK	1	1	15.34	15.58	15.32			
100	QPSK	1	137	15.28	15.48	15.42	16.3	0.0	
100	QPSK	1	271	15.36	15.49	15.45			
100	QPSK	135	0	15.29	15.48	15.41	16.3	0.0	
100	QPSK	135	69	15.31	15.52	15.45	16.3	0.0	
100	QPSK	135	138	15.24	15.48	15.30			
100	QPSK	270	0	15.23	15.49	15.33	16.3	0.0	
100	16QAM	1	1	15.24	15.52	15.37	16.3	0.0	
100	64QAM	1	1	15.27	15.40	15.30	16.3	0.0	
100	256QAM	1	1	15.38	15.41	15.25	16.3	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	15.24	15.40	15.14	16.3	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	15.23	15.54	15.10	16.3	0.0	
Channel				649000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	15.19	15.39	15.31	16.3	0.0	
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.27	15.46	15.12	16.3	0.0	
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	15.31	15.38	15.15	16.3	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.29	15.38	15.17	16.3	0.0	
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	15.29	15.38	15.33	16.3	0.0	
Channel				647300	650000	654500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	15.34	15.40	15.31	16.3	0.0	
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.13	15.37	15.29	16.3	0.0	
Channel				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	15.25	15.38	15.12	16.3	0.0	
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	15.15	15.40	15.12	16.3	0.0	

Part270 n78 PC2&3 Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		15.29				
100	PI/2 BPSK	1	137		15.41		16.3	0.0	
100	PI/2 BPSK	1	271		15.28				
100	PI/2 BPSK	135	0		15.37		16.3	0.0	
100	PI/2 BPSK	135	69		15.45		16.3	0.0	
100	PI/2 BPSK	135	138		15.44		16.3	0.0	
100	PI/2 BPSK	270	0		15.47				
100	QPSK	1	1		15.48				
100	QPSK	1	137		15.32		16.3	0.0	
100	QPSK	1	271		15.30				
100	QPSK	135	0		15.35		16.3	0.0	
100	QPSK	135	69		15.45		16.3	0.0	
100	QPSK	135	138		15.41		16.3	0.0	
100	QPSK	270	0		15.40				
100	16QAM	1	1		15.45		16.3	0.0	
100	64QAM	1	1		15.26		16.3	0.0	
100	256QAM	1	1		15.27		16.3	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	15.32	15.34	15.29	16.3	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	15.24	15.20	15.24	16.3	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	15.12	15.34	15.20	16.3	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	15.20	15.31	15.23	16.3	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	15.31	15.27	15.11	16.3	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	15.34	15.20	15.19	16.3	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	15.27	15.15	15.23	16.3	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	15.14	15.16	15.29	16.3	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	15.11	15.29	15.23	16.3	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	15.17	15.32	15.20	16.3	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	15.17	15.13	15.15	16.3	0.0	

Part270 n77 PC2&PC3 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	14.39	14.41	14.44	15.5		
100	PI/2 BPSK	1	137	14.42	14.52	14.37			
100	PI/2 BPSK	1	271	14.35	14.53	14.39			
100	PI/2 BPSK	135	0	14.39	14.40	14.37	15.5	0.0	
100	PI/2 BPSK	135	69	14.43	14.47	14.29	15.5	0.0	
100	PI/2 BPSK	135	138	14.32	14.47	14.30	15.5		
100	PI/2 BPSK	270	0	14.35	14.40	14.31			
100	QPSK	1	1	14.46	14.55	14.31			
100	QPSK	1	137	14.32	14.37	14.34	15.5		
100	QPSK	1	271	14.39	14.46	14.30			
100	QPSK	135	0	14.42	14.42	14.34		15.5	
100	QPSK	135	69	14.39	14.47	14.33	15.5	0.0	
100	QPSK	135	138	14.35	14.42	14.35	15.5		
100	QPSK	270	0	14.38	14.46	14.30			
100	16QAM	1	1	14.37	14.41	14.33		15.5	
100	64QAM	1	1	14.40	14.38	14.33	15.5	0.0	
100	256QAM	1	1	14.34	14.52	14.38	15.5	0.0	
Channel				649668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	14.33	14.47	14.14	15.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	14.42	14.38	14.17	15.5	0.0	
Channel				649000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	14.33	14.49	14.17	15.5	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	14.33	14.38	14.24	15.5	0.0	
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	14.31	14.48	14.28	15.5	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	14.32	14.41	14.13	15.5	0.0	
Channel				647668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	14.37	14.49	14.15	15.5	0.0	
Channel				647300	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5	(dBm)	(dB)	
25	QPSK	1	1	14.32	14.43	14.23	15.5	0.0	
Channel				647234	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	14.41	14.42	14.27	15.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	1	14.38	14.37	14.19	15.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	14.40	14.36	14.21	15.5	0.0	

Part270 n78 PC3 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		14.41		15.5		
100	PI/2 BPSK	1	137		14.46				
100	PI/2 BPSK	1	271		14.43				
100	PI/2 BPSK	135	0		14.34		15.5	0.0	
100	PI/2 BPSK	135	69		14.48		15.5	0.0	
100	PI/2 BPSK	135	138		14.43		15.5		
100	PI/2 BPSK	270	0		14.30				
100	QPSK	1	1		14.59				
100	QPSK	1	137		14.31		15.5		
100	QPSK	1	271		14.40				
100	QPSK	135	0		14.42			15.5	
100	QPSK	135	69		14.53		15.5	0.0	
100	QPSK	135	138		14.49		15.5		
100	QPSK	270	0		14.46				
100	16QAM	1	1		14.54			15.5	
100	64QAM	1	1		14.49		15.5	0.0	
100	256QAM	1	1		14.31		15.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	14.50	14.37	14.40	15.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	14.38	14.39	14.49	15.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	14.52	14.32	14.34	15.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	14.49	14.55	14.44	15.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	14.35	14.39	14.55	15.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	14.42	14.39	14.35	15.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	14.54	14.44	14.47	15.5	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	14.54	14.54	14.47	15.5	0.0	
Channel				647234	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	14.43	14.40	14.43	15.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	14.55	14.33	14.38	15.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	14.38	14.54	14.40	15.5	0.0	

Part270 n77 PC3 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	20.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.22	19.21	19.08	20.5	0.0	
100	PI/2 BPSK	1	137	18.84	18.88	18.84			
100	PI/2 BPSK	1	271	18.55	18.74	18.63	20.5	0.0	
100	PI/2 BPSK	135	0	18.92	19.08	18.97			
100	PI/2 BPSK	135	69	18.75	18.96	18.75	20.5	0.0	
100	PI/2 BPSK	135	138	18.91	18.91	18.78			
100	PI/2 BPSK	270	0	18.93	18.92	18.83	20.5	0.0	
100	QPSK	1	1	19.20	19.28	19.05			
100	QPSK	1	137	18.93	18.99	18.77	20.5	0.0	
100	QPSK	1	271	18.72	18.75	18.68			
100	QPSK	135	0	18.93	18.94	18.95	20.5	0.0	
100	QPSK	135	69	18.92	19.14	18.95			
100	QPSK	135	138	18.88	19.04	18.89	20.5	0.0	
100	QPSK	270	0	18.90	19.02	18.91			
100	16QAM	1	1	19.02	19.02	19.01	20.5	0.0	
100	64QAM	1	1	18.88	19.09	19.07			
100	256QAM	1	1	18.16	18.17	18.00	19.5	4.0	
Channel				649668	650000	652334	20.5	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	19.09	19.25	18.95	20.5	0.0	
Channel				649334	650000	652668			
Frequency (MHz)				3740.01	3840	3940.02	20.5	0.0	
80	QPSK	1	1	19.17	19.22	19.04			
Channel				649000	650000	653000	20.5	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	19.20	19.14	18.84	20.5	0.0	
Channel				648668	650000	653334			
Frequency (MHz)				3730.02	3840	3950.01	20.5	0.0	
60	QPSK	1	1	19.14	19.17	18.89		20.5	
Channel				648334	650000	653668	20.5	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	19.04	19.10	19.04	20.5	0.0	
Channel				648000	650000	654000			
Frequency (MHz)				3720	3840	3960	20.5	0.0	
40	QPSK	1	1	19.19	19.18	18.95		20.5	
Channel				647668	650000	654334	20.5	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	19.09	19.21	18.90	20.5	0.0	
Channel				647500	650000	654500			
Frequency (MHz)				3712.5	3840	3967.5	20.5	0.0	
25	QPSK	1	1	19.16	19.25	18.84		20.5	
Channel				647234	650000	654668	20.5	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.99	19.08	18.99	20.5	0.0	
Channel				647168	650000	654834			
Frequency (MHz)				3707.52	3840	3972.51	20.5	0.0	
15	QPSK	1	1	19.18	19.09	18.85		20.5	
Channel				647000	650000	655000	20.5	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	19.03	19.09	18.90	20.5	0.0	

Part270 n77 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	23.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.23	22.14	22.19	23.5	0.0	
100	PI/2 BPSK	1	137	22.24	22.28	22.16			
100	PI/2 BPSK	1	271	22.12	22.28	22.08	23.0	0.5	
100	PI/2 BPSK	135	0	21.68	21.66	21.50			
100	PI/2 BPSK	135	69	22.16	22.26	22.05	23.5	0.0	
100	PI/2 BPSK	135	138	22.25	22.24	22.16			
100	PI/2 BPSK	270	0	22.24	22.13	21.98	23.0	0.5	
100	QPSK	1	1	22.19	22.35	22.08			
100	QPSK	1	137	22.21	22.22	22.01	23.5	0.0	
100	QPSK	1	271	22.10	22.13	22.08			
100	QPSK	135	0	21.25	21.29	21.01	22.5	1.0	
100	QPSK	135	69	22.15	22.29	22.07			
100	QPSK	135	138	21.31	21.19	20.98	22.5	1.0	
100	QPSK	270	0	21.15	21.38	21.04			
100	16QAM	1	1	21.17	21.19	21.08	22.5	1.0	
100	64QAM	1	1	19.63	19.76	19.68			
100	256QAM	1	1	17.59	17.72	17.57	19.0	4.5	
Channel				649668	650000	652334	23.5	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	22.29	22.15	22.12	23.5	0.0	
Channel				649334	650000	652668			
Frequency (MHz)				3740.01	3840	3940.02	23.5	0.0	
80	QPSK	1	1	22.19	22.18	22.00		23.5	
Channel				649000	650000	653000	23.5	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	22.15	22.31	22.00	23.5	0.0	
Channel				648668	650000	653334			
Frequency (MHz)				3730.02	3840	3950.01	23.5	0.0	
60	QPSK	1	1	22.16	22.13	22.16		23.5	
Channel				648334	650000	653668	23.5	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	22.14	22.24	22.03	23.5	0.0	
Channel				648000	650000	654000			
Frequency (MHz)				3720	3840	3960	23.5	0.0	
40	QPSK	1	1	22.06	22.13	22.10		23.5	
Channel				647668	650000	654334	23.5	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	22.27	22.34	22.17	23.5	0.0	
Channel				647500	650000	654500			
Frequency (MHz)				3712.5	3840	3967.5	23.5	0.0	
25	QPSK	1	1	22.17	22.28	22.04		23.5	
Channel				647234	650000	654668	23.5	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	22.08	22.16	21.98	23.5	0.0	
Channel				647168	650000	654834			
Frequency (MHz)				3707.52	3840	3972.51	23.5	0.0	
15	QPSK	1	1	22.20	22.17	22.11		23.5	
Channel				647000	650000	655000	23.5	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	22.15	22.30	21.96	23.5	0.0	

Part270 n78 PC3 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3760	3750	3760			
100	Pi/2 BPSK	1	1		19.18				
100	Pi/2 BPSK	1	137		18.87		20.5	0.0	
100	Pi/2 BPSK	1	271		18.78				
100	Pi/2 BPSK	135	0		19.04		20.5	0.0	
100	Pi/2 BPSK	135	69		19.95		20.5	0.0	
100	Pi/2 BPSK	135	138		19.87				
100	Pi/2 BPSK	270	0		19.00		20.5	0.0	
100	QPSK	1	1		19.20				
100	QPSK	1	137		18.90		20.5	0.0	
100	QPSK	1	271		18.79				
100	QPSK	135	0		19.00		20.5	0.0	
100	QPSK	135	69		19.00		20.5	0.0	
100	QPSK	135	138		18.88				
100	QPSK	270	0		19.05		20.5	0.0	
100	16QAM	1	1		19.07		20.5	0.0	
100	64QAM	1	1		19.06		20.5	0.0	
100	256QAM	1	1		18.20		19.5	1.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		19.00	18.98	19.10	20.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		18.95	18.98	19.07	20.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		18.85	18.90	19.10	20.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		19.02	18.78	18.50	20.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		18.81	18.98	19.01	20.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		19.00	18.85	18.97	20.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		18.95	18.84	18.98	20.5	0.0
Channel				647300	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		19.02	18.94	19.08	20.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		18.78	18.82	19.01	20.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		19.02	18.88	19.01	20.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		18.95	18.83	18.98	20.5	0.0

Part270 n78 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	Pi/2 BPSK	1	1		21.94				
100	Pi/2 BPSK	1	137		21.96		23.5	0.0	
100	Pi/2 BPSK	1	271		21.88				
100	Pi/2 BPSK	135	0		21.29		23.0	0.5	
100	Pi/2 BPSK	135	69		21.92		23.5	0.0	
100	Pi/2 BPSK	135	138		22.00				
100	Pi/2 BPSK	270	0		21.77		23.0	0.5	
100	QPSK	1	1		22.28				
100	QPSK	1	137		21.86		23.5	0.0	
100	QPSK	1	271		21.91				
100	QPSK	135	0		20.95		22.5	1.0	
100	QPSK	135	69		22.15		23.5	0.0	
100	QPSK	135	138		20.87				
100	QPSK	270	0		21.15		22.5	1.0	
100	16QAM	1	1		20.95		22.5	1.0	
100	64QAM	1	1		19.35		21.0	2.5	
100	256QAM	1	1		17.50		18.0	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.24	22.17	22.09	23.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		22.02	22.23	22.08	23.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.08	22.20	22.05	23.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.13	22.25	21.98	23.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.04	22.14	22.11	23.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.14	22.14	22.07	23.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		22.00	22.24	22.10	23.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		22.11	22.15	22.09	23.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		22.03	22.18	22.08	23.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		22.00	22.24	21.99	23.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.05	22.14	22.06	23.5	0.0

Reduced Power Mode for ECI 3

n5 Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.85	22.72	22.66		
20	QPSK	50	28	22.68	22.70	22.69	24.0	0.0
20	QPSK	100	0	22.47	22.67	22.60	24.0	0.0

n26 Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800	23.5	0.0
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.52	22.67	22.56		
20	QPSK	50	28	22.41	22.60	22.54	23.5	0.0
20	QPSK	100	0	22.55	22.56	22.52	23.5	0.0

n7 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	22.2	0.0
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	21.07	21.16	20.93		
50	QPSK	135	68	21.01	21.12	20.90	22.2	0.0
50	QPSK	270	0	20.93	21.04	20.91	22.2	0.0

n38 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	20.7	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	19.49	19.71	19.59		
40	QPSK	50	28	19.53	19.62	19.60	20.7	0.0
40	QPSK	100	0	19.51	19.61	19.57	20.7	0.0

n41 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	20.7	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	19.36	19.62	19.61		
100	QPSK	135	68	19.50	19.60	19.54	20.7	0.0
100	QPSK	270	0	19.58	19.59	19.44	20.7	0.0

n5 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.74	22.89	22.82		
20	QPSK	50	28	22.82	22.88	22.74	24.0	0.0
20	QPSK	100	0	22.69	22.85	22.65	24.0	0.0

n7 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	20.6	0.0
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	19.08	19.16	19.13		
50	QPSK	135	68	19.92	19.06	19.94	20.6	0.0
50	QPSK	270	0	19.65	19.85	19.71	20.6	0.0

n26 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800	23.5	0.0
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.76	22.87	22.57		
20	QPSK	50	28	22.59	22.80	22.59	23.5	0.0
20	QPSK	100	0	22.70	22.74	22.56	23.5	0.0

n38 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	19.4	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	18.21	18.25	17.98		
40	QPSK	50	28	18.03	18.21	18.02	19.4	0.0
40	QPSK	100	0	18.16	18.20	17.85	19.4	0.0

n41 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	19.4	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	18.07	18.29	18.07		
100	QPSK	135	68	18.02	18.25	18.07	19.4	0.0
100	QPSK	270	0	18.08	18.23	18.20	19.4	0.0

n71									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	23.07	23.13	22.97	24.0	0.0	
20	PI2 BPSK	1	53	22.98	23.01	22.91			
20	PI2 BPSK	1	104	22.97	23.00	22.83			
20	PI2 BPSK	50	0	23.09	23.13	22.90	24.0	0.0	
20	PI2 BPSK	50	28	22.98	22.98	22.98	24.0	0.0	
20	PI2 BPSK	50	56	22.83	23.05	22.94	24.0	0.0	
20	PI2 BPSK	100	0	22.98	22.98	22.92	24.0	0.0	
20	QPSK	1	1	23.12	23.18	23.16			
20	QPSK	1	53	23.01	23.09	23.03			
20	QPSK	1	104	22.98	23.14	23.09	24.0	0.0	
20	QPSK	50	0	22.82	22.85	22.86			
20	QPSK	50	28	23.03	23.14	23.04			
20	QPSK	50	56	22.74	22.83	22.72	24.0	0.0	
20	QPSK	100	0	22.81	22.94	22.80	24.0	0.0	
20	16QAM	1	1	22.89	22.98	22.83			
20	64QAM	1	1	22.81	22.97	22.81			
20	256QAM	1	1	21.43	21.57	21.53	22.5	1.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.98	23.06	23.11	24.0	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				668	680.5	693	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.02	23.06	23.10	24.0	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	696.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.96	23.10	23.07	24.0	0.0	

n71									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	22.92	22.92	22.82	24.0	0.0	
20	PI2 BPSK	1	53	22.82	22.76	22.68			
20	PI2 BPSK	1	104	22.74	22.77	22.68	24.0	0.0	
20	PI2 BPSK	50	0	22.84	22.92	22.71			
20	PI2 BPSK	50	28	22.78	22.77	22.76	24.0	0.0	
20	PI2 BPSK	50	56	22.68	22.81	22.70			
20	PI2 BPSK	100	0	22.78	22.80	22.75	24.0	0.0	
20	QPSK	1	1	22.96	22.98	22.91			
20	QPSK	1	53	22.78	22.94	22.77	24.0	0.0	
20	QPSK	1	104	22.75	22.91	22.87			
20	QPSK	50	0	22.66	22.69	22.61	24.0	0.0	
20	QPSK	50	28	22.86	22.89	22.81			
20	QPSK	50	56	22.56	22.63	22.46	24.0	0.0	
20	QPSK	100	0	22.65	22.75	22.63			
20	16QAM	1	1	22.67	22.79	22.59	24.0	0.0	
20	64QAM	1	1	22.67	22.72	22.62			
20	256QAM	1	1	21.25	21.38	21.29	22.5	1.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.89	22.90	22.76	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				693	693.5	693			
10	QPSK	1	1	22.88	22.91	22.81	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				686.5	686.5	686.5			
5	QPSK	1	1	22.82	22.88	22.84	24.0	0.0	

Part270 N77 Ant3 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000	65000	65000	13.9	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	12.65	12.68	12.63	13.9	0.0	
100	PI/2 BPSK	1	137	12.61	12.68	12.62			
100	PI/2 BPSK	1	271	12.60	12.71	12.53	13.9	0.0	
100	PI/2 BPSK	135	0	12.52	12.70	12.63			
100	PI/2 BPSK	135	69	12.52	12.72	12.61	13.9	0.0	
100	PI/2 BPSK	135	138	12.64	12.73	12.60			
100	PI/2 BPSK	270	0	12.59	12.75	12.53	13.9	0.0	
100	QPSK	1	1	12.53	12.61	12.54			
100	QPSK	1	137	12.54	12.75	12.62	13.9	0.0	
100	QPSK	1	271	12.66	12.74	12.64			
100	QPSK	135	0	12.61	12.78	12.60	13.9	0.0	
100	QPSK	135	69	12.57	12.61	12.60			
100	QPSK	135	138	12.58	12.73	12.57	13.9	0.0	
100	QPSK	270	0	12.66	12.77	12.65			
100	16QAM	1	1	12.64	12.76	12.57	13.9	0.0	
100	64QAM	1	1	12.53	12.79	12.57			
100	256QAM	1	1	12.63	12.77	12.58	13.9	0.0	
Channel				64998	65002	65004			
Frequency (MHz)				3745.02	3840	3935.01	13.9	0.0	
90	QPSK	1	1	12.55	12.67	12.59			
Channel				649334	650000	650668	13.9	0.0	
Frequency (MHz)				3740.01	3740	3740.02			
80	QPSK	1	1	12.53	12.66	12.55	13.9	0.0	
Channel				649000	650000	650000			
Frequency (MHz)				3735	3840	3945	13.9	0.0	
70	QPSK	1	1	12.62	12.76	12.55			
Channel				648668	650000	650334	13.9	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	12.53	12.76	12.61	13.9	0.0	
Channel				648334	650000	650668			
Frequency (MHz)				3725.01	3840	3955.02	13.9	0.0	
50	QPSK	1	1	12.55	12.71	12.58			
Channel				648000	650000	650000	13.9	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	12.52	12.67	12.54	13.9	0.0	
Channel				647668	650000	650334			
Frequency (MHz)				3715.02	3720	3725.01	13.9	0.0	
30	QPSK	1	1	12.55	12.70	12.65			
Channel				647000	650000	650000	13.9	0.0	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	12.57	12.76	12.54	13.9	0.0	
Channel				647334	650000	650668			
Frequency (MHz)				3710.01	3840	3970.02	13.9	0.0	
20	QPSK	1	1	12.57	12.80	12.55			
Channel				647168	650000	650834	13.9	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	12.65	12.68	12.67	13.9	0.0	
Channel				647000	650000	650000			
Frequency (MHz)				3705	3840	3975	13.9	0.0	
10	QPSK	1	1	12.65	12.77	12.58			

Part270 n78 Ant3 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000	65000	65000	13.9	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	12.65			13.9	0.0	
100	PI/2 BPSK	1	137	12.52					
100	PI/2 BPSK	1	271	12.65			13.9	0.0	
100	PI/2 BPSK	135	0	12.53					
100	PI/2 BPSK	135	69	12.69			13.9	0.0	
100	PI/2 BPSK	135	138	12.57					
100	PI/2 BPSK	270	0	12.66			13.9	0.0	
100	QPSK	1	1	12.76					
100	QPSK	1	137	12.54			13.9	0.0	
100	QPSK	1	271	12.68					
100	QPSK	135	0	12.70			13.9	0.0	
100	QPSK	135	69	12.73					
100	QPSK	135	138	12.63			13.9	0.0	
100	QPSK	270	0	12.69					
100	16QAM	1	1	12.63			13.9	0.0	
100	64QAM	1	1	12.64					
100	256QAM	1	1	12.73			13.9	0.0	
Channel				649668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01	13.9	0.0	
90	QPSK	1	1	12.62	12.64	12.55			
Channel				649334	650000	650668	13.9	0.0	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	12.60	12.54	12.51	13.9	0.0	
Channel				649000	650000	650000			
Frequency (MHz)				3735	3750	3765	13.9	0.0	
70	QPSK	1	1	12.65	12.55	12.61		13.9	
Channel				648668	650000	650334			
Frequency (MHz)				3730.02	3750	3770.01	13.9	0.0	
60	QPSK	1	1	12.63	12.61	12.66		13.9	
Channel				648334	650000	650668			
Frequency (MHz)				3725.01	3750	3775.02	13.9	0.0	
50	QPSK	1	1	12.50	12.51	12.55		13.9	
Channel				648000	650000	650000			
Frequency (MHz)				3720	3750	3780	13.9	0.0	
40	QPSK	1	1	12.51	12.57	12.56		13.9	
Channel				647668	650000	650334			
Frequency (MHz)				3715.02	3750	3765.01	13.9	0.0	
30	QPSK	1	1	12.60	12.55	12.59		13.9	
Channel				647000	650000	650000			
Frequency (MHz)				3712.5	3750	3767.5	13.9	0.0	
25	QPSK	1	1	12.66	12.65	12.62		13.9	
Channel				647334	650000	650668			
Frequency (MHz)				3710.01	3750	3770.02	13.9	0.0	
20	QPSK	1	1	12.61	12.63	12.62		13.9	
Channel				647168	650000	650834			
Frequency (MHz)				3707.52	3750	3792.51	13.9	0.0	
15	QPSK	1	1	12.52	12.61	12.63		13.9	
Channel				647000	650000	650000			
Frequency (MHz)				3705	3750	3795	13.9	0.0	
10	QPSK	1	1	12.59	12.62	12.64			

Part270 n77 Ant5 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				655000	655000	652000	18.4	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.10	17.14	16.99	18.4	0.0	
100	PI/2 BPSK	1	137	17.06	17.15	16.88			
100	PI/2 BPSK	1	271	17.02	17.11	17.00			
100	PI/2 BPSK	135	0	17.06	17.08	16.89			
100	PI/2 BPSK	135	69	16.98	17.14	16.97	18.4	0.0	
100	PI/2 BPSK	135	138	17.03	17.11	16.94	18.4	0.0	
100	PI/2 BPSK	270	0	16.98	17.11	16.93	18.4	0.0	
100	QPSK	1	1	17.05	17.20	16.92			
100	QPSK	1	137	17.04	17.17	16.91			
100	QPSK	1	271	16.97	17.11	16.92			
100	QPSK	135	0	17.01	17.00	17.00	18.4	0.0	
100	QPSK	135	69	17.08	17.20	16.89	18.4	0.0	
100	QPSK	135	138	17.06	17.08	16.99	18.4	0.0	
100	QPSK	270	0	17.10	17.16	17.02	18.4	0.0	
100	16QAM	1	1	17.05	17.12	16.97	18.4	0.0	
100	64QAM	1	1	17.01	17.21	16.91	18.4	0.0	
100	256QAM	1	1	16.97	17.18	16.94	18.4	0.0	
Channel				649968	650032	652334	18.4	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	17.02	17.21	16.93	18.4	0.0	
Channel				649334	650000	652668	18.4	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	17.09	17.24	16.89	18.4	0.0	
Channel				649000	650000	653000	18.4	0.0	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	17.12	17.15	16.83	18.4	0.0	
Channel				648668	650000	653334	18.4	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	16.98	17.18	16.85	18.4	0.0	
Channel				648334	650000	653668	18.4	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	16.96	17.16	16.95	18.4	0.0	
Channel				648000	650000	654000	18.4	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	16.97	17.13	16.94	18.4	0.0	
Channel				647668	650000	654334	18.4	0.0	
Frequency (MHz)				3715.02	3840	3955.01			
30	QPSK	1	1	16.90	17.23	16.90	18.4	0.0	
Channel				647334	650000	654668	18.4	0.0	
Frequency (MHz)				3710.01	3840	3950.02			
25	QPSK	1	1	17.02	17.23	16.93	18.4	0.0	
Channel				647000	650000	655000	18.4	0.0	
Frequency (MHz)				3712.5	3840	3967.5			
20	QPSK	1	1	17.02	17.27	16.88	18.4	0.0	
Channel				647168	650000	654834	18.4	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	17.05	17.25	16.91	18.4	0.0	
Channel				647000	650000	655000	18.4	0.0	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	17.11	17.28	16.83	18.4	0.0	

Part270 n78 Ant5 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	18.4	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		17.02		18.4	0.0	
100	PI/2 BPSK	1	137		17.05				
100	PI/2 BPSK	1	271		17.01				
100	PI/2 BPSK	135	0		17.07				
100	PI/2 BPSK	135	69		17.05		18.4	0.0	
100	PI/2 BPSK	135	138		17.20		18.4	0.0	
100	PI/2 BPSK	270	0		16.99		18.4	0.0	
100	QPSK	1	1		17.28				
100	QPSK	1	137		17.12				
100	QPSK	1	271		17.20				
100	QPSK	135	0		17.09		18.4	0.0	
100	QPSK	135	69		17.21		18.4	0.0	
100	QPSK	135	138		17.18		18.4	0.0	
100	QPSK	270	0		17.19		18.4	0.0	
100	16QAM	1	1		17.10		18.4	0.0	
100	64QAM	1	1		17.20		18.4	0.0	
100	256QAM	1	1		17.09		18.4	0.0	
Channel				649668	650000	650334	18.4	0.0	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	17.21	17.20	17.21	18.4	0.0	
Channel				649334	650000	650668	18.4	0.0	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	17.23	17.21	17.12	18.4	0.0	
Channel				649000	650000	651000	18.4	0.0	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	17.12	17.25	17.16	18.4	0.0	
Channel				648668	650000	651334	18.4	0.0	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	17.20	17.19	17.17	18.4	0.0	
Channel				648334	650000	651668	18.4	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	17.20	17.12	17.16	18.4	0.0	
Channel				648000	650000	652000	18.4	0.0	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	17.19	17.22	17.11	18.4	0.0	
Channel				647668	650000	652334	18.4	0.0	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	17.21	17.21	17.07	18.4	0.0	
Channel				647334	650000	652500	18.4	0.0	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	17.23	17.27	17.13	18.4	0.0	
Channel				647334	650000	652668	18.4	0.0	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	17.16	17.11	17.19	18.4	0.0	
Channel				647168	650000	652834	18.4	0.0	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	17.23	17.13	17.18	18.4	0.0	
Channel				647000	650000	653000	18.4	0.0	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	17.27	17.26	17.18	18.4	0.0	

Part270 N77 Ant7 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000	65000	65000	18.6	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.39	17.42	17.34	18.6	0.0	
100	PI/2 BPSK	1	137	17.38	17.47	17.42			
100	PI/2 BPSK	1	271	17.44	17.52	17.31			
100	PI/2 BPSK	135	0	17.43	17.48	17.35			
100	PI/2 BPSK	135	69	17.48	17.46	17.35	18.6	0.0	
100	PI/2 BPSK	135	138	17.36	17.50	17.30	18.6	0.0	
100	PI/2 BPSK	270	0	17.37	17.43	17.44	18.6	0.0	
100	QPSK	1	1	17.42	17.55	17.30			
100	QPSK	1	137	17.44	17.49	17.42			
100	QPSK	1	271	17.38	17.46	17.37			
100	QPSK	135	0	17.31	17.47	17.43	18.6	0.0	
100	QPSK	135	69	17.42	17.50	17.36	18.6	0.0	
100	QPSK	135	138	17.33	17.43	17.42	18.6	0.0	
100	QPSK	270	0	17.38	17.41	17.39	18.6	0.0	
100	16QAM	1	1	17.33	17.43	17.32	18.6	0.0	
100	64QAM	1	1	17.35	17.41	17.42	18.6	0.0	
100	256QAM	1	1	17.37	17.49	17.34	18.6	0.0	
Channel				64968	65000	65034	18.6	MPR	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	17.48	17.40	17.44	18.6	0.0	
Channel				649334	650000	650668	18.6	MPR	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	17.37	17.51	17.50	18.6	0.0	
Channel				649000	650000	650000	18.6	MPR	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	17.34	17.45	17.44	18.6	0.0	
Channel				648668	650000	650334	18.6	MPR	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	17.45	17.43	17.37	18.6	0.0	
Channel				648334	650000	650668	18.6	MPR	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	17.41	17.44	17.29	18.6	0.0	
Channel				648000	650000	650000	18.6	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.38	17.45	17.43	18.6	0.0	
Channel				647668	650000	650334	18.6	MPR	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	17.29	17.51	17.53	18.6	0.0	
Channel				647334	650000	650000	18.6	MPR	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	17.38	17.39	17.34	18.6	0.0	
Channel				647000	650000	650668	18.6	MPR	
Frequency (MHz)				3707.51	3840	3970.02			
20	QPSK	1	1	17.41	17.40	17.42	18.6	0.0	
Channel				647188	650000	650834	18.6	MPR	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	17.35	17.53	17.43	18.6	0.0	
Channel				647000	650000	650000	18.6	MPR	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	17.43	17.37	17.44	18.6	0.0	

Part270 n78 Ant7 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000	65000	65000	18.6	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	17.29			18.6	0.0	
100	PI/2 BPSK	1	137	17.40					
100	PI/2 BPSK	1	271	17.39					
100	PI/2 BPSK	135	0	17.43					
100	PI/2 BPSK	135	69	17.32			18.6	0.0	
100	PI/2 BPSK	135	138	17.36			18.6	0.0	
100	PI/2 BPSK	270	0	17.35			18.6	0.0	
100	QPSK	1	1	17.46					
100	QPSK	1	137	17.37					
100	QPSK	1	271	17.29					
100	QPSK	135	0	17.37			18.6	0.0	
100	QPSK	135	69	17.40			18.6	0.0	
100	QPSK	135	138	17.30			18.6	0.0	
100	QPSK	270	0	17.23			18.6	0.0	
100	16QAM	1	1	17.31			18.6	0.0	
100	64QAM	1	1	17.33			18.6	0.0	
100	256QAM	1	1	17.36			18.6	0.0	
Channel				64968	65000	65034	18.6	MPR	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	17.37	17.29	17.28	18.6	0.0	
Channel				649334	650000	650668	18.6	MPR	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	17.22	17.29	17.32	18.6	0.0	
Channel				649000	650000	650000	18.6	MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	17.37	17.35	17.40	18.6	0.0	
Channel				648668	650000	650334	18.6	MPR	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	17.30	17.32	17.26	18.6	0.0	
Channel				648334	650000	650668	18.6	MPR	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	17.32	17.31	17.30	18.6	0.0	
Channel				648000	650000	650000	18.6	MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	17.40	17.33	17.26	18.6	0.0	
Channel				647668	650000	650334	18.6	MPR	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	17.26	17.25	17.26	18.6	0.0	
Channel				647334	650000	650000	18.6	MPR	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	17.33	17.34	17.26	18.6	0.0	
Channel				647000	650000	650668	18.6	MPR	
Frequency (MHz)				3707.51	3750	3790.02			
20	QPSK	1	1	17.38	17.34	17.31	18.6	0.0	
Channel				647188	650000	650834	18.6	MPR	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	17.44	17.25	17.29	18.6	0.0	
Channel				647000	650000	650000	18.6	MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	17.37	17.30	17.39	18.6	0.0	

Part270 n77 Ant9 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				655000	655000	655000	17.6	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	16.24	16.40	16.03	17.6	0.0	
100	PI/2 BPSK	1	137	16.22	16.34	16.01			
100	PI/2 BPSK	1	271	16.26	16.28	16.11			
100	PI/2 BPSK	135	0	16.21	16.30	16.11			
100	PI/2 BPSK	135	69	16.15	16.30	16.12	17.6	0.0	
100	PI/2 BPSK	135	138	16.20	16.34	16.05	17.6	0.0	
100	PI/2 BPSK	270	0	16.23	16.31	16.02	17.6	0.0	
100	QPSK	1	1	16.19	16.42	16.06			
100	QPSK	1	137	16.25	16.29	16.11			
100	QPSK	1	271	16.23	16.33	16.04			
100	QPSK	135	0	16.26	16.31	16.14	17.6	0.0	
100	QPSK	135	69	16.12	16.41	16.00	17.6	0.0	
100	QPSK	135	138	16.21	16.29	16.10	17.6	0.0	
100	QPSK	270	0	16.24	16.35	16.05	17.6	0.0	
100	16QAM	1	1	16.12	16.36	16.05	17.6	0.0	
100	64QAM	1	1	16.17	16.38	16.02	17.6	0.0	
100	256QAM	1	1	16.12	16.32	16.12	17.6	0.0	
Channel				649668	655000	655334	17.6	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	16.16	16.16	15.95	17.6	0.0	
Channel				649334	655000	652668	17.6	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	16.07	16.17	15.93	17.6	0.0	
Channel				649000	655000	653000	17.6	0.0	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	16.08	16.16	15.89	17.6	0.0	
Channel				648668	655000	653334	17.6	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	16.05	16.26	15.88	17.6	0.0	
Channel				648334	655000	653668	17.6	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	16.16	16.16	15.98	17.6	0.0	
Channel				648000	655000	653000	17.6	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	16.17	16.28	16.03	17.6	0.0	
Channel				647668	655000	654334	17.6	0.0	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	16.00	16.24	15.95	17.6	0.0	
Channel				647334	655000	654500	17.6	0.0	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	16.06	16.27	15.92	17.6	0.0	
Channel				647000	655000	654668	17.6	0.0	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	16.11	16.16	15.92	17.6	0.0	
Channel				647168	655000	654834	17.6	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	16.09	16.20	15.89	17.6	0.0	
Channel				647000	655000	655000	17.6	0.0	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	16.04	16.28	15.90	17.6	0.0	

Part270 n78 Ant9 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	17.6	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		16.28		17.6	0.0	
100	PI/2 BPSK	1	137		16.16				
100	PI/2 BPSK	1	271		16.28				
100	PI/2 BPSK	135	0		16.27				
100	PI/2 BPSK	135	69		16.24		17.6	0.0	
100	PI/2 BPSK	135	138		16.27		17.6	0.0	
100	PI/2 BPSK	270	0		16.24		17.6	0.0	
100	QPSK	1	1		16.27				
100	QPSK	1	137		16.19				
100	QPSK	1	271		16.21				
100	QPSK	135	0		16.20		17.6	0.0	
100	QPSK	135	69		16.28		17.6	0.0	
100	QPSK	135	138		16.15		17.6	0.0	
100	QPSK	270	0		16.21		17.6	0.0	
100	16QAM	1	1		16.22		17.6	0.0	
100	64QAM	1	1		16.26		17.6	0.0	
100	256QAM	1	1		16.24		17.6	0.0	
Channel				649668	650000	650334	17.6	0.0	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	16.34	16.29	16.35	17.6	0.0	
Channel				649334	650000	650668	17.6	0.0	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	16.23	16.31	16.29	17.6	0.0	
Channel				649000	650000	651000	17.6	0.0	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	16.30	16.27	16.27	17.6	0.0	
Channel				648668	650000	651334	17.6	0.0	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	16.25	16.28	16.30	17.6	0.0	
Channel				648334	650000	651668	17.6	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	16.36	16.30	16.36	17.6	0.0	
Channel				648000	650000	652000	17.6	0.0	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	16.29	16.32	16.31	17.6	0.0	
Channel				647668	650000	652334	17.6	0.0	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	16.36	16.31	16.36	17.6	0.0	
Channel				647500	650000	652500	17.6	0.0	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	16.27	16.34	16.35	17.6	0.0	
Channel				647334	650000	652668	17.6	0.0	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	16.27	16.34	16.30	17.6	0.0	
Channel				647168	650000	652834	17.6	0.0	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	16.26	16.35	16.27	17.6	0.0	
Channel				647000	650000	653000	17.6	0.0	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	16.28	16.28	16.28	17.6	0.0	

Reduced Power Mode for ECI 4

n5 Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.37	22.58	22.41	24.0	0.0
20	QPSK	50	28	22.45	22.53	22.40	24.0	0.0
20	QPSK	100	0	22.20	22.46	22.44	24.0	0.0

n7 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509000	507000	509000	24.0	0.0
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	22.87	23.06	22.83	24.0	0.0
50	QPSK	135	69	22.94	23.03	22.93	24.0	0.0
50	QPSK	270	0	22.86	22.98	22.82	24.0	0.0

n5 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.69	22.82	22.80	24.0	0.0
20	QPSK	50	28	22.72	22.79	22.63	24.0	0.0
20	QPSK	100	0	22.59	22.81	22.54	24.0	0.0

n38 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	24.0	0.0
Frequency (MHz)				2548.02	2555	2559.98		
40	QPSK	1	1	22.96	23.00	22.87	24.0	0.0
40	QPSK	50	28	22.83	23.09	23.02	24.0	0.0
40	QPSK	100	0	22.71	22.93	22.88	24.0	0.0

n26 Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800	24.0	0.0
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.55	22.69	22.81	24.0	0.0
20	QPSK	50	28	22.47	22.68	22.56	24.0	0.0
20	QPSK	100	0	22.57	22.65	22.58	24.0	0.0

n38 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	24.0	0.0
Frequency (MHz)				2580.02	2588	2599.98		
40	QPSK	1	1	22.96	23.01	22.98	24.0	0.0
40	QPSK	50	28	22.80	22.97	22.81	24.0	0.0
40	QPSK	100	0	22.92	22.95	22.81	24.0	0.0

n7 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509000	507000	509000	24.0	0.0
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	22.92	23.02	22.72	24.0	0.0
50	QPSK	135	68	22.81	22.96	22.83	24.0	0.0
50	QPSK	270	0	22.74	22.87	22.62	24.0	0.0

n41 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518998	528900	24.0	0.0
Frequency (MHz)				2548.01	2592.99	2641		
100	QPSK	1	1	22.92	23.11	23.07	24.0	0.0
100	QPSK	135	69	22.83	23.04	23.00	24.0	0.0
100	QPSK	270	0	22.99	23.05	22.97	24.0	0.0

n41 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				538200	518598	538000	24.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	23.04	23.13	23.03	24.0	0.0
100	QPSK	135	69	22.89	23.03	22.94	24.0	0.0
100	QPSK	270	0	22.81	22.85	22.88	24.0	0.0

n26 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800	24.0	0.0
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.79	22.89	22.69	24.0	0.0
20	QPSK	50	28	22.65	22.78	22.65	24.0	0.0
20	QPSK	100	0	22.69	22.81	22.64	24.0	0.0

n71									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	23.07	23.13	22.97	24.0	0.0	
20	PI2 BPSK	1	53	22.98	23.01	22.91			
20	PI2 BPSK	1	104	22.97	23.00	22.93	24.0	0.0	
20	PI2 BPSK	50	0	23.09	23.13	22.90			
20	PI2 BPSK	50	28	22.98	22.98	22.98	24.0	0.0	
20	PI2 BPSK	50	56	22.83	23.05	22.94			
20	PI2 BPSK	100	0	22.98	22.98	22.92	24.0	0.0	
20	QPSK	1	1	23.12	23.18	23.16			
20	QPSK	1	53	23.01	23.09	23.03	24.0	0.0	
20	QPSK	1	104	22.98	23.14	23.09			
20	QPSK	50	0	22.82	22.85	22.86	24.0	0.0	
20	QPSK	50	28	23.03	23.14	23.04			
20	QPSK	50	56	22.74	22.83	22.72	24.0	0.0	
20	QPSK	100	0	22.81	22.94	22.80			
20	16QAM	1	1	22.89	22.98	22.83	24.0	0.0	
20	64QAM	1	1	22.81	22.97	22.81			
20	256QAM	1	1	21.43	21.57	21.53	22.5	1.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.98	23.06	23.11	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				603	603.5	603			
10	QPSK	1	1	23.02	23.06	23.10	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666.5	680.5	696.5			
5	QPSK	1	1	22.96	23.10	23.07	24.0	0.0	

n71											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				134600	136100	137600					
Frequency (MHz)				673	680.5	688					
20	PI2 BPSK	1	1	22.92	22.92	22.82	24.0	0.0			
20	PI2 BPSK	1	53	22.82	22.76	22.68					
20	PI2 BPSK	1	104	22.74	22.77	22.68					
20	PI2 BPSK	50	0	22.84	22.92	22.71	24.0	0.0			
20	PI2 BPSK	50	28	22.78	22.77	22.76	24.0	0.0			
20	PI2 BPSK	50	56	22.68	22.81	22.70	24.0	0.0			
20	PI2 BPSK	100	0	22.78	22.80	22.75					
20	QPSK	1	1	22.96	22.98	22.91					
20	QPSK	1	53	22.78	22.94	22.77	24.0	0.0			
20	QPSK	1	104	22.75	22.91	22.87	24.0	0.0			
20	QPSK	50	0	22.66	22.89	22.61					
20	QPSK	50	28	22.86	22.89	22.81					
20	QPSK	50	56	22.56	22.63	22.46	24.0	0.0			
20	QPSK	100	0	22.65	22.75	22.63					
20	16QAM	1	1	22.67	22.79	22.59	24.0	0.0			
20	64QAM	1	1	22.67	22.72	22.62	24.0	0.0			
20	256QAM	1	1	21.25	21.38	21.29	22.5	1.5			
Channel				134100	136100	138100					
Frequency (MHz)				670.5	680.5	690.5					
15	QPSK	1	1	22.89	22.90	22.76	24.0	0.0			
Channel				133600	136100	138600					
Frequency (MHz)				668	680.5	693					
10	QPSK	1	1	22.88	22.91	22.81	24.0	0.0			
Channel				133100	136100	139100					
Frequency (MHz)				665.5	680.5	696.5					
5	QPSK	1	1	22.82	22.88	22.84	24.0	0.0			

Part270 n77 PC3 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	18.38	18.47	18.58			
100	PI2 BPSK	1	137	17.84	18.10	18.00	19.5	0.0	
100	PI2 BPSK	1	271	17.81	17.73	17.71			
100	PI2 BPSK	135	0	18.19	18.46	18.19	19.5	0.0	
100	PI2 BPSK	135	69	18.01	18.18	18.04	19.5	0.0	
100	PI2 BPSK	135	138	17.95	17.89	17.83	19.5	0.0	
100	PI2 BPSK	270	0	18.01	18.16	18.06			
100	QPSK	1	1	18.49	18.59	18.49			
100	QPSK	1	137	17.94	18.12	18.01	19.5	0.0	
100	QPSK	1	271	17.83	17.73	17.89			
100	QPSK	135	0	18.37	18.32	18.44	19.5	0.0	
100	QPSK	135	69	18.05	18.59	18.01	19.5	0.0	
100	QPSK	135	138	17.86	18.11	17.85	19.5	0.0	
100	QPSK	270	0	18.03	18.22	18.19			
100	16QAM	1	1	18.23	18.25	18.10	19.5	0.0	
100	64QAM	1	1	18.27	18.33	18.02	19.5	0.0	
100	256QAM	1	1	17.20	17.46	17.42	18.5	1.0	
Channel				645000	650000	642334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.49	18.56	18.47	19.5	0.0	
Channel				649334	650000	662698	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.51	18.63	18.43	19.5	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.43	18.58	18.56	19.5	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.56	18.56	18.57	19.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.47	18.61	18.55	19.5	0.0	
Channel				647900	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.39	18.31	18.39	19.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	18.39	18.41	18.37	19.5	0.0	
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	18.24	18.36	18.31	19.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.10	18.33	18.28	19.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.48	18.59	18.50	19.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.36	18.43	18.50	19.5	0.0	

Part270 n77 PC2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	21.61	21.68	21.66			
100	PI2 BPSK	1	137	21.47	21.58	21.66	22.5	0.0	
100	PI2 BPSK	1	271	21.61	21.60	21.71			
100	PI2 BPSK	135	0	21.22	21.02	21.19	22.0	0.5	
100	PI2 BPSK	135	69	21.57	21.54	21.72	22.5	0.0	
100	PI2 BPSK	135	138	21.14	21.13	21.10	22.0	0.5	
100	PI2 BPSK	270	0	21.61	21.04	21.30			
100	QPSK	1	1	21.58	21.74	21.60			
100	QPSK	1	137	21.59	21.48	21.69	22.5	0.0	
100	QPSK	1	271	21.47	21.55	21.60			
100	QPSK	135	0	20.58	20.66	20.61	21.5	1.0	
100	QPSK	135	69	21.58	21.67	21.65	22.5	0.0	
100	QPSK	135	138	20.53	20.84	20.68	21.5	1.0	
100	QPSK	270	0	20.54	20.70	20.60			
100	16QAM	1	1	20.58	20.68	20.61	21.5	1.0	
100	64QAM	1	1	19.18	19.35	19.16	20.0	2.5	
100	256QAM	1	1	17.08	17.16	17.13	18.0	4.5	
Channel				649000	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	21.39	21.56	21.56	22.5	0.0	
Channel				649334	650000	662698	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	21.60	21.52	21.42	22.5	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	21.40	21.68	21.52	22.5	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	21.45	21.63	21.49	22.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	21.39	21.61	21.59	22.5	0.0	
Channel				647900	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	21.56	21.53	21.39	22.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	21.49	21.71	21.45	22.5	0.0	
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	21.40	21.54	21.42	22.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	21.80	21.54	21.50	22.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	21.51	21.57	21.54	22.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	21.59	21.56	21.40	22.5	0.0	

Part270 n78 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)				18.27	18.41	18.55			
100	PI/2 BPSK	1	1	18.27	18.41	18.55	19.5	0.0	
100	PI/2 BPSK	1	137	18.27	18.41	18.55	19.5	0.0	
100	PI/2 BPSK	1	271	18.27	18.41	18.55	19.5	0.0	
100	PI/2 BPSK	135	0	18.27	18.41	18.55	19.5	0.0	
100	PI/2 BPSK	135	69	18.27	18.41	18.55	19.5	0.0	
100	PI/2 BPSK	135	138	18.27	18.41	18.55	19.5	0.0	
100	PI/2 BPSK	270	0	18.27	18.41	18.55	19.5	0.0	
100	QPSK	1	1	18.27	18.41	18.55	19.5	0.0	
100	QPSK	1	137	18.27	18.41	18.55	19.5	0.0	
100	QPSK	1	271	18.27	18.41	18.55	19.5	0.0	
100	QPSK	135	0	18.27	18.41	18.55	19.5	0.0	
100	QPSK	135	69	18.27	18.41	18.55	19.5	0.0	
100	QPSK	135	138	18.27	18.41	18.55	19.5	0.0	
100	QPSK	270	0	18.27	18.41	18.55	19.5	0.0	
100	16QAM	1	1	18.27	18.41	18.55	19.5	0.0	
100	64QAM	1	1	18.27	18.41	18.55	19.5	0.0	
100	256QAM	1	1	18.27	18.41	18.55	19.5	0.0	
Channel				64968	65000	65032	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	18.30	18.51	18.38	19.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	18.27	18.47	18.44	19.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	18.40	18.38	18.28	19.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	18.38	18.48	18.29	19.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	18.26	18.48	18.29	19.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	18.30	18.53	18.42	19.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1	18.41	18.40	18.40	19.5	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	18.41	18.51	18.34	19.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	18.32	18.48	18.31	19.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	18.26	18.41	18.36	19.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	18.39	18.54	18.41	19.5	0.0	

Part270 n78 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)				21.56	21.56	21.56			
100	PI/2 BPSK	1	1	21.56	21.56	21.56	22.5	0.0	
100	PI/2 BPSK	1	137	21.56	21.56	21.56	22.5	0.0	
100	PI/2 BPSK	1	271	21.56	21.56	21.56	22.5	0.0	
100	PI/2 BPSK	135	0	21.56	21.56	21.56	22.5	0.0	
100	PI/2 BPSK	135	69	21.56	21.56	21.56	22.5	0.0	
100	PI/2 BPSK	135	138	21.56	21.56	21.56	22.5	0.0	
100	PI/2 BPSK	270	0	21.56	21.56	21.56	22.5	0.0	
100	QPSK	1	1	21.56	21.56	21.56	22.5	0.0	
100	QPSK	1	137	21.56	21.56	21.56	22.5	0.0	
100	QPSK	1	271	21.56	21.56	21.56	22.5	0.0	
100	QPSK	135	0	21.56	21.56	21.56	22.5	0.0	
100	QPSK	135	69	21.56	21.56	21.56	22.5	0.0	
100	QPSK	135	138	21.56	21.56	21.56	22.5	0.0	
100	QPSK	270	0	21.56	21.56	21.56	22.5	0.0	
100	16QAM	1	1	21.56	21.56	21.56	22.5	0.0	
100	64QAM	1	1	21.56	21.56	21.56	22.5	0.0	
100	256QAM	1	1	21.56	21.56	21.56	22.5	0.0	
Channel				64968	65000	65032	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	21.55	21.68	21.55	22.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	21.55	21.69	21.60	22.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	21.52	21.61	21.58	22.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	21.60	21.57	21.57	22.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	21.48	21.62	21.69	22.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	21.53	21.70	21.66	22.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1	21.55	21.63	21.68	22.5	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	21.60	21.71	21.57	22.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	21.60	21.59	21.57	22.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	21.50	21.59	21.61	22.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	21.53	21.69	21.64	22.5	0.0	

Part270 n77 PC3 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	22.80	22.92	22.78			
100	PI2 BPSK	1	137	22.83	22.86	22.84	24.0	0.0	
100	PI2 BPSK	1	271	22.86	22.94	22.92			
100	PI2 BPSK	135	0	22.82	22.88	22.87	24.0	0.0	
100	PI2 BPSK	135	69	22.81	22.81	22.82	24.0	0.0	
100	PI2 BPSK	135	138	22.84	22.92	22.93	24.0	0.0	
100	PI2 BPSK	270	0	23.01	22.94	22.96			
100	QPSK	1	1	22.96	23.11	22.93			
100	QPSK	1	137	22.86	22.80	22.84	24.0	0.0	
100	QPSK	1	271	22.86	22.95	22.78			
100	QPSK	135	0	22.81	23.02	22.91	24.0	0.0	
100	QPSK	135	69	22.85	23.04	22.94	24.0	0.0	
100	QPSK	135	138	22.94	22.98	22.78	24.0	0.0	
100	QPSK	270	0	22.74	22.95	22.78			
100	16QAM	1	1	22.58	22.67	22.47	24.0	0.0	
100	64QAM	1	1	22.48	22.69	22.59	24.0	0.0	
100	256QAM	1	1	21.78	21.82	21.73	22.5	1.5	
Channel				645000	650000	642334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	22.85	22.84	22.84	24.0	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	22.91	22.88	22.91	24.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	22.93	22.88	22.93	24.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	22.78	22.99	22.92	24.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	22.97	22.99	22.83	24.0	0.0	
Channel				647000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.00	22.90	22.80	24.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3953.01			
30	QPSK	1	1	22.97	22.94	22.71	24.0	0.0	
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	22.94	22.97	22.65	24.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	22.77	22.98	22.75	24.0	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	22.75	22.88	22.70	24.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	22.96	22.88	22.69	24.0	0.0	

Part270 n77 PC2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	25.79	25.93	25.88			
100	PI2 BPSK	1	137	25.90	25.87	25.86	27.0	0.0	
100	PI2 BPSK	1	271	25.84	26.07	25.84			
100	PI2 BPSK	135	0	25.24	25.42	25.42	26.5	0.5	
100	PI2 BPSK	135	69	25.84	25.88	25.89	27.0	0.0	
100	PI2 BPSK	135	138	25.28	25.51	25.51	26.5	0.5	
100	PI2 BPSK	270	0	25.59	25.57	25.55			
100	QPSK	1	1	26.03	26.15	25.96			
100	QPSK	1	137	25.80	25.96	25.95	27.0	0.0	
100	QPSK	1	271	25.91	25.94	25.85			
100	QPSK	135	0	24.91	24.98	25.04	26.0	1.0	
100	QPSK	135	69	25.88	26.08	26.00	27.0	0.0	
100	QPSK	135	138	25.02	26.05	24.71	26.0	1.0	
100	QPSK	270	0	24.89	25.01	24.86			
100	16QAM	1	1	24.65	24.68	24.53	26.0	1.0	
100	64QAM	1	1	23.09	23.25	23.19	24.5	2.5	
100	256QAM	1	1	21.54	21.61	21.49	22.5	4.5	
Channel				649000	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	25.88	26.06	25.88	27.0	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	25.91	26.06	25.93	27.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	25.89	26.07	25.90	27.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	25.92	26.00	25.80	27.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	25.88	26.09	25.79	27.0	0.0	
Channel				647000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	25.95	26.01	25.82	27.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3953.01			
30	QPSK	1	1	25.94	26.05	25.83	27.0	0.0	
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	25.92	26.03	25.80	27.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	25.98	26.06	25.80	27.0	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	25.90	26.02	25.89	27.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	25.97	26.05	25.83	27.0	0.0	

Part270 n78 PC2 Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)									
100	PI/2 BPSK	1	1		23.00				
100	PI/2 BPSK	1	137		22.62		24.0	0.0	
100	PI/2 BPSK	1	271		22.94				
100	PI/2 BPSK	135	0		22.94		24.0	0.0	
100	PI/2 BPSK	135	69		22.89		24.0	0.0	
100	PI/2 BPSK	135	138		22.95		24.0	0.0	
100	PI/2 BPSK	270	0		22.67				
100	QPSK	1	1		23.06				
100	QPSK	1	137		22.82		24.0	0.0	
100	QPSK	1	271		22.90				
100	QPSK	135	0		22.95		24.0	0.0	
100	QPSK	135	69		22.89		24.0	0.0	
100	QPSK	135	138		22.94		24.0	0.0	
100	QPSK	270	0		22.96				
100	16QAM	1	1		22.81		24.0	0.0	
100	64QAM	1	1		22.72		24.0	0.0	
100	256QAM	1	1		21.87		22.5	1.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	1	22.91	22.93	22.95	24.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	22.70	23.05	22.81	24.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	22.77	22.88	22.75	24.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	22.72	22.80	23.01	24.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	22.65	22.78	23.01	24.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	22.94	22.82	22.94	24.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	23.01	22.90	22.91	24.0	0.0	
Channel				647300	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	22.77	22.92	22.79	24.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	22.95	22.89	22.81	24.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.96	22.80	22.90	24.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.87	22.98	23.01	24.0	0.0	

Part270 n78 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)									
100	PI/2 BPSK	1	1		26.08				
100	PI/2 BPSK	1	137		25.91		27.0	0.0	
100	PI/2 BPSK	1	271		25.95				
100	PI/2 BPSK	135	0		25.43		26.5	0.5	
100	PI/2 BPSK	135	69		25.99		27.0	0.0	
100	PI/2 BPSK	135	138		25.45		26.5	0.5	
100	PI/2 BPSK	270	0		25.57				
100	QPSK	1	1		26.16				
100	QPSK	1	137		25.97		27.0	0.0	
100	QPSK	1	271		25.91				
100	QPSK	135	0		24.96		26.0	1.0	
100	QPSK	135	69		26.06		27.0	0.0	
100	QPSK	135	138		24.89		26.0	1.0	
100	QPSK	270	0		25.00				
100	16QAM	1	1		24.76		26.0	1.0	
100	64QAM	1	1		23.35		24.5	2.5	
100	256QAM	1	1		21.56		22.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	1	25.90	26.00	25.96	27.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	25.91	25.95	25.89	27.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	25.92	26.05	25.91	27.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	25.94	25.98	25.95	27.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	25.87	25.99	25.92	27.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	25.93	26.02	25.87	27.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	25.93	25.99	25.88	27.0	0.0	
Channel				647300	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	25.84	26.00	25.86	27.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	25.91	26.03	25.88	27.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	25.94	26.04	25.89	27.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	25.95	26.00	25.92	27.0	0.0	

Part270 n77 PC3 Ant7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	22.47	22.69	22.54			
100	PI2 BPSK	1	137	22.63	22.75	22.58	24.0	0.0	
100	PI2 BPSK	1	271	22.84	22.86	22.57			
100	PI2 BPSK	135	0	22.59	22.85	22.86	24.0	0.0	
100	PI2 BPSK	135	69	22.70	22.79	22.72	24.0	0.0	
100	PI2 BPSK	135	138	22.66	22.82	22.63	24.0	0.0	
100	PI2 BPSK	270	0	22.57	22.73	22.65			
100	QPSK	1	1	22.76	22.87	22.80			
100	QPSK	1	137	22.88	22.73	22.89	24.0	0.0	
100	QPSK	1	271	22.81	22.78	22.52			
100	QPSK	135	0	22.71	22.80	22.67	24.0	0.0	
100	QPSK	135	69	22.84	22.85	22.71	24.0	0.0	
100	QPSK	135	138	22.40	22.58	22.36	24.0	0.0	
100	QPSK	270	0	22.78	22.82	22.74			
100	16QAM	1	1	22.30	22.48	22.18	24.0	0.0	
100	64QAM	1	1	22.29	22.32	22.28	24.0	0.0	
100	256QAM	1	1	21.42	21.54	21.42	23.0	1.0	
Channel				645000	650000	642334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	22.79	22.74	22.75	24.0	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	22.68	22.78	22.66	24.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	22.76	22.74	22.62	24.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	22.77	22.74	22.60	24.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	22.61	22.75	22.64	24.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	22.73	22.76	22.70	24.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	22.66	22.77	22.61	24.0	0.0	
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	22.69	22.76	22.72	24.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	22.62	22.72	22.78	24.0	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	22.75	22.79	22.62	24.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	22.74	22.76	22.71	24.0	0.0	

Part270 n77 PC2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	25.82	25.87	25.81			
100	PI2 BPSK	1	137	25.77	25.78	25.85	27.0	0.0	
100	PI2 BPSK	1	271	25.79	25.83	25.79			
100	PI2 BPSK	135	0	25.35	25.51	25.34	26.5	0.5	
100	PI2 BPSK	135	69	25.78	25.87	25.74	27.0	0.0	
100	PI2 BPSK	135	138	25.31	25.41	25.33	26.5	0.5	
100	PI2 BPSK	270	0	25.47	25.48	25.35			
100	QPSK	1	1	25.89	25.95	25.87			
100	QPSK	1	137	25.82	25.91	25.82	27.0	0.0	
100	QPSK	1	271	25.76	25.88	25.74			
100	QPSK	135	0	24.89	24.90	24.81	26.0	1.0	
100	QPSK	135	69	25.85	25.87	25.73	27.0	0.0	
100	QPSK	135	138	24.83	24.86	24.90	26.0	1.0	
100	QPSK	270	0	24.81	24.98	24.88			
100	16QAM	1	1	24.90	25.02	24.93	26.0	1.0	
100	64QAM	1	1	23.33	23.41	23.31	24.5	2.5	
100	256QAM	1	1	21.35	21.49	21.35	22.5	4.5	
Channel				649000	650000	642334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	25.85	25.88	25.69	27.0	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	25.79	25.77	25.84	27.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	25.85	25.86	25.75	27.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	25.84	25.84	25.83	27.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	25.74	25.93	25.73	27.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	25.76	25.83	25.77	27.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	25.79	25.82	25.81	27.0	0.0	
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	25.85	25.93	25.77	27.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	25.72	25.90	25.81	27.0	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	25.82	25.91	25.79	27.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	25.82	25.88	25.79	27.0	0.0	

Part270 n78 PC3 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)				22.42	22.42	22.42			
100	PI/2 BPSK	1	1		22.42				
100	PI/2 BPSK	1	137		22.30		24.0	0.0	
100	PI/2 BPSK	1	271		22.80				
100	PI/2 BPSK	135	0		22.30		24.0	0.0	
100	PI/2 BPSK	135	69		22.48		24.0	0.0	
100	PI/2 BPSK	135	138		22.54		24.0	0.0	
100	PI/2 BPSK	270	0		22.47				
100	QPSK	1	1		22.84				
100	QPSK	1	137		22.37		24.0	0.0	
100	QPSK	1	271		22.47				
100	QPSK	135	0		22.37		24.0	0.0	
100	QPSK	135	69		22.55		24.0	0.0	
100	QPSK	135	138		22.49		24.0	0.0	
100	QPSK	270	0		22.47				
100	16QAM	1	1		22.46		24.0	0.0	
100	64QAM	1	1		22.30		24.0	0.0	
100	256QAM	1	1		21.21		23.0	1.0	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.48	22.55	22.43	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		22.53	22.55	22.47	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.42	22.63	22.46	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.58	22.62	22.39	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.40	22.58	22.43	24.0	0.0
Channel				647900	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.45	22.50	22.49	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3725.01			
30	QPSK	1	1		22.50	22.54	22.45	24.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		22.43	22.49	22.53	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		22.51	22.57	22.38	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		22.54	22.59	22.42	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.48	22.48	22.52	24.0	0.0

Part270 n78 PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)				25.59	25.59	25.59			
100	PI/2 BPSK	1	1		25.59				
100	PI/2 BPSK	1	137		25.41		27.0	0.0	
100	PI/2 BPSK	1	271		25.61				
100	PI/2 BPSK	135	0		25.16		26.5	0.5	
100	PI/2 BPSK	135	69		25.63		27.0	0.0	
100	PI/2 BPSK	135	138		25.06		26.5	0.5	
100	PI/2 BPSK	270	0		25.11				
100	QPSK	1	1		25.08				
100	QPSK	1	137		25.59		27.0	0.0	
100	QPSK	1	271		25.51				
100	QPSK	135	0		24.65		26.0	1.0	
100	QPSK	135	69		25.49		27.0	0.0	
100	QPSK	135	138		24.27		26.0	1.0	
100	QPSK	270	0		24.01				
100	16QAM	1	1		24.75		26.0	1.0	
100	64QAM	1	1		23.12		24.5	2.5	
100	256QAM	1	1		21.24		22.5	4.5	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.60	25.53	25.64	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.57	25.66	25.53	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.65	25.64	25.56	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		25.60	25.58	25.56	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.54	25.62	25.54	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.61	25.66	25.55	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3725.01			
30	QPSK	1	1		25.61	25.63	25.58	27.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		25.57	25.64	25.60	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		25.64	25.61	25.67	27.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		25.67	25.56	25.54	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		25.64	25.57	25.65	27.0	0.0

Part270 n77 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR	
Channel				655000	655000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.24	18.40	18.03	19.6	0.0	
100	PI/2 BPSK	1	137	18.22	18.34	18.01			
100	PI/2 BPSK	1	271	18.26	18.28	18.11			
100	PI/2 BPSK	135	0	18.21	18.30	18.11			
100	PI/2 BPSK	135	69	18.15	18.30	18.12	19.6	0.0	
100	PI/2 BPSK	135	138	18.20	18.34	18.05	19.6	0.0	
100	PI/2 BPSK	270	0	18.23	18.31	18.02	19.6	0.0	
100	QPSK	1	1	18.19	18.42	18.06			
100	QPSK	1	137	18.25	18.29	18.11			
100	QPSK	1	271	18.23	18.33	18.04			
100	QPSK	135	0	18.26	18.31	18.14	19.6	0.0	
100	QPSK	135	69	18.12	18.41	18.00	19.6	0.0	
100	QPSK	135	138	18.21	18.29	18.10	19.6	0.0	
100	QPSK	270	0	18.24	18.35	18.05	19.6	0.0	
100	64QAM	1	1	18.12	18.36	18.05			
100	64QAM	1	1	18.17	18.38	18.02			
100	256QAM	1	1	18.12	18.32	18.12			
Channel				649668	655000	652334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)		
90	QPSK	1	1	18.16	18.16	17.95	19.6	0.0	
Channel				649334	655000	652668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)		
80	QPSK	1	1	18.07	18.17	17.93	19.6	0.0	
Channel				649000	655000	653000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)		
70	QPSK	1	1	18.08	18.16	17.89	19.6	0.0	
Channel				648668	655000	653334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)		
60	QPSK	1	1	18.05	18.28	17.88	19.6	0.0	
Channel				648334	655000	653668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)		
50	QPSK	1	1	18.16	18.16	17.98	19.6	0.0	
Channel				648000	655000	654000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)		
40	QPSK	1	1	18.17	18.28	18.03	19.6	0.0	
Channel				647668	655000	654334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3955.01	(dBm)		
30	QPSK	1	1	18.00	18.24	17.95	19.6	0.0	
Channel				647334	655000	654500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3840	3967.5	(dBm)		
25	QPSK	1	1	18.06	18.27	17.92	19.6	0.0	
Channel				647000	655000	654668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)		
20	QPSK	1	1	18.11	18.16	17.92	19.6	0.0	
Channel				647188	655000	654834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)		
15	QPSK	1	1	18.09	18.20	17.89	19.6	0.0	
Channel				647000	655000	655000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)		
10	QPSK	1	1	18.04	18.28	17.90	19.6	0.0	

Part270 n78 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	19.6	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	18.28			19.6	0.0	
100	PI/2 BPSK	1	137	18.16					
100	PI/2 BPSK	1	271	18.20					
100	PI/2 BPSK	135	0	18.27					
100	PI/2 BPSK	135	69	18.24			19.6	0.0	
100	PI/2 BPSK	135	138	18.27			19.6	0.0	
100	PI/2 BPSK	270	0	18.24			19.6	0.0	
100	QPSK	1	1	18.27					
100	QPSK	1	137	18.19					
100	QPSK	1	271	18.21					
100	QPSK	135	0	18.20			19.6	0.0	
100	QPSK	135	69	18.28			19.6	0.0	
100	QPSK	135	138	18.15			19.6	0.0	
100	QPSK	270	0	18.21			19.6	0.0	
100	16QAM	1	1	18.22					
100	64QAM	1	1	18.26					
100	256QAM	1	1	18.24					
Channel				649668	650000	650334	19.6	MPR	
Frequency (MHz)				3745.02	375000	3755.01			
90	QPSK	1	1	18.34	18.29	18.35	19.6	0.0	
Channel				649334	650000	650668	19.6	MPR	
Frequency (MHz)				3740.01	375000	3760.02			
80	QPSK	1	1	18.29	18.31	18.28	19.6	0.0	
Channel				649000	650000	651000	19.6	MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	18.30	18.27	18.27	19.6	0.0	
Channel				648668	650000	651334	19.6	MPR	
Frequency (MHz)				3730.02	375000	3770.01			
60	QPSK	1	1	18.25	18.28	18.30	19.6	0.0	
Channel				648334	650000	651668	19.6	MPR	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	18.36	18.30	18.36	19.6	0.0	
Channel				648000	650000	652000	19.6	MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	18.29	18.32	18.31	19.6	0.0	
Channel				647668	650000	652334	19.6	MPR	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	18.35	18.31	18.36	19.6	0.0	
Channel				647500	650000	652500	19.6	MPR	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	18.27	18.34	18.35	19.6	0.0	
Channel				647334	650000	652668	19.6	MPR	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	18.27	18.34	18.30	19.6	0.0	
Channel				647188	650000	652834	19.6	MPR	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	18.26	18.35	18.27	19.6	0.0	
Channel				647000	650000	653000	19.6	MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	18.28	18.28	18.28	19.6	0.0	

Reduced Power Mode for ECI 6

n5 Ant0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167200	167600	MPR (dB)
Frequency (MHz)				834	836.5	839	
20	QPSK	1	1	22.85	22.72	22.66	24.0
20	QPSK	50	28	22.68	22.70	22.89	24.0
20	QPSK	100	0	22.47	22.67	22.60	24.0

n26 Ant0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	166900	167000	MPR (dB)
Frequency (MHz)				824	831.5	839	
20	QPSK	1	1	22.66	22.75	22.68	24.0
20	QPSK	50	28	22.53	22.69	22.62	24.0
20	QPSK	100	0	22.66	22.70	22.61	24.0

n7 Ant1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	MPR (dB)
Frequency (MHz)				2525	2535	2545	
50	QPSK	1	1	21.12	21.16	21.65	22.1
50	QPSK	135	68	20.96	21.08	20.90	22.1
50	QPSK	270	0	20.77	20.82	20.66	22.1

n38 Ant1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518004	519000	519996	MPR (dB)
Frequency (MHz)				2580.02	2595	2599.98	
40	QPSK	1	1	20.13	20.25	20.09	21.2
40	QPSK	50	28	19.92	20.18	19.87	21.2
40	QPSK	100	0	19.74	19.86	19.76	21.2

n41 Ant1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509002	518598	528000	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640	
100	QPSK	1	1	20.23	20.25	20.19	21.2
100	QPSK	135	68	20.03	20.17	20.00	21.2
100	QPSK	270	0	19.81	19.94	19.77	21.2

n5 Ant4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167200	167600	MPR (dB)
Frequency (MHz)				834	836.5	839	
20	QPSK	1	1	22.74	22.89	22.82	24.0
20	QPSK	50	28	22.92	22.88	22.74	24.0
20	QPSK	100	0	22.69	22.85	22.65	24.0

n7 Ant4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	MPR (dB)
Frequency (MHz)				2525	2535	2545	
50	QPSK	1	1	21.07	21.13	21.07	22.0
50	QPSK	135	68	20.92	21.02	20.87	22.0
50	QPSK	270	0	20.69	20.85	20.71	22.0

n26 Ant4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	166900	167000	MPR (dB)
Frequency (MHz)				824	831.5	839	
20	QPSK	1	1	22.91	22.93	22.71	24.0
20	QPSK	50	28	22.78	22.91	22.69	24.0
20	QPSK	100	0	22.79	22.90	22.72	24.0

n38 Ant4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518004	519000	519996	MPR (dB)
Frequency (MHz)				2580.02	2595	2599.98	
40	QPSK	1	1	19.66	19.74	19.71	20.8
40	QPSK	50	28	19.48	19.63	19.52	20.8
40	QPSK	100	0	19.31	19.36	19.24	20.8

n41 Ant4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509002	518598	528000	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640	
100	QPSK	1	1	19.60	19.61	19.57	20.8
100	QPSK	135	68	19.37	19.57	19.40	20.8
100	QPSK	270	0	19.12	19.30	19.17	20.8

n71									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PV2 BPSK	1	1	23.07	23.13	22.97	24.0	0.0	
20	PV2 BPSK	1	53	22.98	23.01	22.91			
20	PV2 BPSK	1	104	22.97	23.00	22.83			
20	PV2 BPSK	50	0	23.09	23.13	22.90	24.0	0.0	
20	PV2 BPSK	50	28	22.98	22.98	22.98	24.0	0.0	
20	PV2 BPSK	50	56	22.83	23.05	22.94	24.0	0.0	
20	PV2 BPSK	100	0	22.98	22.98	22.92	24.0	0.0	
20	QPSK	1	1	23.12	23.18	23.16	24.0	0.0	
20	QPSK	1	53	23.01	23.09	23.03			
20	QPSK	1	104	22.98	23.14	23.09			
20	QPSK	50	0	22.82	22.85	22.86	24.0	0.0	
20	QPSK	50	28	23.03	23.14	23.04	24.0	0.0	
20	QPSK	50	56	22.74	22.83	22.72	24.0	0.0	
20	QPSK	100	0	22.81	22.94	22.80	24.0	0.0	
20	16QAM	1	1	22.89	22.98	22.83	24.0	0.0	
20	64QAM	1	1	22.81	22.97	22.81	24.0	0.0	
20	256QAM	1	1	21.43	21.57	21.53	22.5	1.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.98	23.06	23.11	24.0	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				668	680.5	693	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.02	23.06	23.10	24.0	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	696.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.96	23.10	23.07	24.0	0.0	

n71									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600	24.0	0.0	
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	22.92	22.92	22.82			
20	PI2 BPSK	1	53	22.82	22.76	22.68	24.0	0.0	
20	PI2 BPSK	1	104	22.74	22.77	22.68			
20	PI2 BPSK	50	0	22.84	22.92	22.71			
20	PI2 BPSK	50	28	22.78	22.77	22.76	24.0	0.0	
20	PI2 BPSK	50	56	22.68	22.81	22.70	24.0	0.0	
20	PI2 BPSK	100	0	22.78	22.80	22.75			
20	QPSK	1	1	22.96	22.98	22.91			
20	QPSK	1	53	22.78	22.94	22.77	24.0	0.0	
20	QPSK	1	104	22.75	22.91	22.87			
20	QPSK	50	0	22.66	22.69	22.61			
20	QPSK	50	28	22.86	22.89	22.81	24.0	0.0	
20	QPSK	50	56	22.56	22.63	22.48			
20	QPSK	100	0	22.65	22.75	22.63			
20	16QAM	1	1	22.67	22.79	22.59	24.0	0.0	
20	64QAM	1	1	22.67	22.72	22.62	24.0	0.0	
20	256QAM	1	1	21.25	21.38	21.29	22.5	1.5	
Channel				134100	136100	138100	24.0	0.0	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.89	22.90	22.76			
Channel				133600	136100	138600	24.0	0.0	
Frequency (MHz)				693	693.5	693			
10	QPSK	1	1	22.88	22.91	22.81			
Channel				133100	136100	139100	24.0	0.0	
Frequency (MHz)				686.5	686.5	686.5			
5	QPSK	1	1	22.82	22.88	22.84			

Part270 n77 Ant3 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				655000	655000	655000	16.6	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.59	15.79	15.57	16.6	0.0	
100	PI/2 BPSK	1	137	15.53	15.78	15.68			
100	PI/2 BPSK	1	271	15.62	15.66	15.67			
100	PI/2 BPSK	135	0	15.62	15.72	15.68			
100	PI/2 BPSK	135	69	15.56	15.72	15.64	16.6	0.0	
100	PI/2 BPSK	135	138	15.60	15.71	15.61	16.6	0.0	
100	PI/2 BPSK	270	0	15.61	15.72	15.65	16.6	0.0	
100	QPSK	1	1	15.60	15.60	15.62			
100	QPSK	1	137	15.64	15.76	15.68			
100	QPSK	1	271	15.66	15.76	15.64			
100	QPSK	135	0	15.66	15.76	15.54	16.6	0.0	
100	QPSK	135	69	15.53	15.60	15.54	16.6	0.0	
100	QPSK	135	138	15.53	15.77	15.55	16.6	0.0	
100	QPSK	270	0	15.58	15.78	15.60	16.6	0.0	
100	16QAM	1	1	15.58	15.81	15.64	16.6	0.0	
100	64QAM	1	1	15.65	15.81	15.54	16.6	0.0	
100	256QAM	1	1	15.51	15.69	15.59	16.6	0.0	
Channel				649968	655000	655334	16.6	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	15.48	15.57	15.53	16.6	0.0	
Channel				649334	655000	652668	16.6	0.0	
Frequency (MHz)				3740.01	3740	3940.02			
80	QPSK	1	1	15.54	15.69	15.44	16.6	0.0	
Channel				649000	655000	653000	16.6	0.0	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	15.42	15.65	15.58	16.6	0.0	
Channel				648668	655000	653334	16.6	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.48	15.61	15.56	16.6	0.0	
Channel				648334	655000	653668	16.6	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	15.48	15.69	15.56	16.6	0.0	
Channel				648000	655000	653000	16.6	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.45	15.59	15.45	16.6	0.0	
Channel				647668	655000	654334	16.6	0.0	
Frequency (MHz)				3715.02	3740	3965.01			
30	QPSK	1	1	15.40	15.59	15.59	16.6	0.0	
Channel				647334	655000	654000	16.6	0.0	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	15.46	15.68	15.58	16.6	0.0	
Channel				647000	655000	653668	16.6	0.0	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.50	15.59	15.59	16.6	0.0	
Channel				647168	655000	654834	16.6	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	15.47	15.59	15.56	16.6	0.0	
Channel				647000	655000	653000	16.6	0.0	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	15.43	15.62	15.51	16.6	0.0	

Part270 n78 Ant3 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				655000	655000	655000	16.6	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		15.68		16.6	0.0	
100	PI/2 BPSK	1	137		15.65				
100	PI/2 BPSK	1	271		15.61				
100	PI/2 BPSK	135	0		15.61				
100	PI/2 BPSK	135	69		15.61		16.6	0.0	
100	PI/2 BPSK	135	138		15.64		16.6	0.0	
100	PI/2 BPSK	270	0		15.60		16.6	0.0	
100	QPSK	1	1		15.75				
100	QPSK	1	137		15.72				
100	QPSK	1	271		15.58				
100	QPSK	135	0		15.60		16.6	0.0	
100	QPSK	135	69		15.68		16.6	0.0	
100	QPSK	135	138		15.67		16.6	0.0	
100	QPSK	270	0		15.74		16.6	0.0	
100	16QAM	1	1		15.67		16.6	0.0	
100	64QAM	1	1		15.68		16.6	0.0	
100	256QAM	1	1		15.56		16.6	0.0	
Channel				649668	655000	655334	16.6	0.0	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	15.64	15.69	15.68	16.6	0.0	
Channel				649334	655000	650668	16.6	0.0	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	15.60	15.73	15.72	16.6	0.0	
Channel				649000	655000	651000	16.6	0.0	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	15.70	15.64	15.65	16.6	0.0	
Channel				648668	655000	651334	16.6	0.0	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	15.70	15.67	15.60	16.6	0.0	
Channel				648334	655000	651668	16.6	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	15.68	15.67	15.57	16.6	0.0	
Channel				648000	655000	652000	16.6	0.0	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	15.69	15.67	15.69	16.6	0.0	
Channel				647668	655000	652334	16.6	0.0	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	15.63	15.67	15.64	16.6	0.0	
Channel				647334	655000	652500	16.6	0.0	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	15.61	15.59	15.63	16.6	0.0	
Channel				647334	655000	652668	16.6	0.0	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	15.59	15.62	15.64	16.6	0.0	
Channel				647168	655000	652834	16.6	0.0	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	15.64	15.69	15.60	16.6	0.0	
Channel				647000	655000	653000	16.6	0.0	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	15.58	15.66	15.62	16.6	0.0	

Part270 n77 Ant5 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	655000	652000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	18.53	18.66	18.44	19.7	0.0	
100	PI2 BPSK	1	137	18.52	18.58	18.38			
100	PI2 BPSK	1	271	18.57	18.62	18.50			
100	PI2 BPSK	135	0	18.49	18.57	18.42	19.7	0.0	
100	PI2 BPSK	135	69	18.58	18.60	18.39	19.7	0.0	
100	PI2 BPSK	135	138	18.46	18.70	18.40	19.7	0.0	
100	PI2 BPSK	270	0	18.58	18.58	18.48	19.7	0.0	
100	QPSK	1	1	18.53	18.72	18.58			
100	QPSK	1	137	18.46	18.63	18.53			
100	QPSK	1	271	18.57	18.62	18.49	19.7	0.0	
100	QPSK	135	0	18.53	18.66	18.43	19.7	0.0	
100	QPSK	135	69	18.51	18.67	18.42	19.7	0.0	
100	QPSK	135	138	18.52	18.60	18.46	19.7	0.0	
100	QPSK	270	0	18.47	18.58	18.42	19.7	0.0	
100	16QAM	1	1	18.52	18.69	18.41			
100	64QAM	1	1	18.47	18.68	18.41			
100	256QAM	1	1	18.54	18.69	18.43	19.7	0.0	
Channel				649968	655000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.48	18.56	18.34	19.7	0.0	
Channel				649334	655000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.35	18.59	18.48	19.7	0.0	
Channel				649000	655000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.38	18.65	18.42	19.7	0.0	
Channel				648668	655000	653334 <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.51	18.51	18.42	19.7	0.0	
Channel				648334	655000	653668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.48	18.60	18.50	19.7	0.0	
Channel				648000	655000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.44	18.84	18.50	19.7	0.0	
Channel				647668	655000	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	18.47	18.59	18.45	19.7	0.0	
Channel				647334	655000	654668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
25	QPSK	1	1	18.46	18.59	18.47	19.7	0.0	
Channel				647000	655000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
20	QPSK	1	1	18.35	18.61	18.45	19.7	0.0	
Channel				647188	655000	654834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.49	18.53	18.45	19.7	0.0	
Channel				647000	655000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.42	18.66	18.53	19.7	0.0	

Part270 n78 Ant5 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		18.56		19.7	0.0	
100	PI/2 BPSK	1	137		18.40				
100	PI/2 BPSK	1	271		18.49				
100	PI/2 BPSK	135	0		18.48		19.7	0.0	
100	PI/2 BPSK	135	69		18.54		19.7	0.0	
100	PI/2 BPSK	135	138		18.52		19.7	0.0	
100	PI/2 BPSK	270	0		18.41		19.7	0.0	
100	QPSK	1	1		18.49				
100	QPSK	1	137		18.50				
100	QPSK	1	271		18.59		19.7	0.0	
100	QPSK	135	0		18.52				
100	QPSK	135	69		18.63				
100	QPSK	135	138		18.43		19.7	0.0	
100	QPSK	270	0		18.50		19.7	0.0	
100	16QAM	1	1		18.65				
100	64QAM	1	1		18.58				
100	256QAM	1	1		18.51		19.7	0.0	
Channel				649968	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	18.40	18.64	18.42	19.7	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	18.37	18.64	18.43	19.7	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	18.37	18.52	18.41	19.7	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	18.41	18.58	18.46	19.7	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	18.43	18.55	18.47	19.7	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	18.45	18.57	18.52	19.7	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	18.35	18.55	18.49	19.7	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	18.46	18.66	18.46	19.7	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	18.48	18.66	18.56	19.7	0.0	
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	18.49	18.64	18.54	19.7	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	18.51	18.59	18.41	19.7	0.0	

Part270 n77 Ant7 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				655000	655000	655000	22.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	20.89	20.92	20.90	22.0	0.0	
100	PI/2 BPSK	1	137	20.95	21.00	20.87			
100	PI/2 BPSK	1	271	20.97	20.91	20.84			
100	PI/2 BPSK	135	0	20.91	20.96	20.83			
100	PI/2 BPSK	135	69	20.94	21.00	20.83	22.0	0.0	
100	PI/2 BPSK	135	138	20.83	20.95	20.80	22.0	0.0	
100	PI/2 BPSK	270	0	20.85	20.90	20.91	22.0	0.0	
100	QPSK	1	1	20.83	21.03	20.81			
100	QPSK	1	137	20.82	20.97	20.81			
100	QPSK	1	271	20.83	20.91	20.85			
100	QPSK	135	0	20.82	20.98	20.88	22.0	0.0	
100	QPSK	135	69	20.94	21.03	20.86	22.0	0.0	
100	QPSK	135	138	20.96	20.90	20.91	22.0	0.0	
100	QPSK	270	0	20.81	20.89	20.88	22.0	0.0	
100	16QAM	1	1	20.84	21.00	20.87			
100	64QAM	1	1	20.90	20.92	20.85			
100	256QAM	1	1	20.87	20.88	20.87			
Channel				649968	655000	652334	22.0	MPR	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	20.85	20.87	20.80	22.0	0.0	
Channel				649334	655000	652668	22.0	MPR	
Frequency (MHz)				3740.01	3740	3940.02			
80	QPSK	1	1	20.90	20.97	20.83	22.0	0.0	
Channel				649000	655000	653000	22.0	MPR	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	20.89	20.96	20.93	22.0	0.0	
Channel				648668	655000	653334	22.0	MPR	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	20.96	20.98	20.95	22.0	0.0	
Channel				648334	655000	653668	22.0	MPR	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	20.90	21.00	20.81	22.0	0.0	
Channel				648000	655000	653000	22.0	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	20.83	20.96	20.94	22.0	0.0	
Channel				647668	655000	654334	22.0	MPR	
Frequency (MHz)				3715.02	3720	3965.01			
30	QPSK	1	1	20.85	21.00	20.83	22.0	0.0	
Channel				647334	655000	654668	22.0	MPR	
Frequency (MHz)				3710.01	3840	3970.02			
25	QPSK	1	1	20.89	20.91	20.90	22.0	0.0	
Channel				647000	655000	655000	22.0	MPR	
Frequency (MHz)				3712.5	3840	3967.5			
20	QPSK	1	1	20.81	20.99	20.86	22.0	0.0	
Channel				647188	655000	654834	22.0	MPR	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	20.96	20.99	20.92	22.0	0.0	
Channel				647000	655000	655000	22.0	MPR	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	20.86	20.93	20.87	22.0	0.0	

Part270 n78 Ant7 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	22.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	20.89	20.89	20.89	22.0	0.0	
100	PI/2 BPSK	1	137	20.96	20.96	20.96			
100	PI/2 BPSK	1	271	20.88	20.88	20.88			
100	PI/2 BPSK	135	0	20.80	20.80	20.80			
100	PI/2 BPSK	135	69	20.97	20.97	20.97	22.0	0.0	
100	PI/2 BPSK	135	138	20.88	20.88	20.88	22.0	0.0	
100	PI/2 BPSK	270	0	20.85	20.85	20.85	22.0	0.0	
100	QPSK	1	1	20.88	20.88	20.88			
100	QPSK	1	137	20.97	20.97	20.97			
100	QPSK	1	271	20.88	20.88	20.88			
100	QPSK	135	0	20.94	20.94	20.94	22.0	0.0	
100	QPSK	135	69	20.87	20.87	20.87	22.0	0.0	
100	QPSK	135	138	20.74	20.74	20.74	22.0	0.0	
100	QPSK	270	0	20.82	20.82	20.82	22.0	0.0	
100	16QAM	1	1	20.90	20.90	20.90			
100	64QAM	1	1	20.74	20.74	20.74			
100	256QAM	1	1	20.85	20.85	20.85			
Channel				649668	650000	650334	22.0	MPR	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	20.85	20.90	20.78	22.0	0.0	
Channel				649334	650000	650668	22.0	MPR	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	20.70	20.89	20.78	22.0	0.0	
Channel				649000	650000	651000	22.0	MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	20.66	20.85	20.78	22.0	0.0	
Channel				648668	650000	651334	22.0	MPR	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	20.75	20.88	20.64	22.0	0.0	
Channel				648334	650000	651668	22.0	MPR	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	20.75	20.89	20.70	22.0	0.0	
Channel				648000	650000	652000	22.0	MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	20.65	20.89	20.68	22.0	0.0	
Channel				647668	650000	652334	22.0	MPR	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	20.77	20.80	20.64	22.0	0.0	
Channel				647334	650000	652500	22.0	MPR	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	20.66	20.93	20.77	22.0	0.0	
Channel				647334	650000	652668	22.0	MPR	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	20.78	20.98	20.65	22.0	0.0	
Channel				647188	650000	652834	22.0	MPR	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	20.73	20.96	20.77	22.0	0.0	
Channel				647000	650000	653000	22.0	MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	20.76	20.96	20.78	22.0	0.0	

Part270 n77 Ant9 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				655000	655000	655000	19.6	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.24	18.40	18.03	19.6	0.0	
100	PI/2 BPSK	1	137	18.22	18.34	18.01			
100	PI/2 BPSK	1	271	18.26	18.28	18.11			
100	PI/2 BPSK	135	0	18.21	18.30	18.11			
100	PI/2 BPSK	135	69	18.15	18.30	18.12	19.6	0.0	
100	PI/2 BPSK	135	138	18.20	18.34	18.05	19.6	0.0	
100	PI/2 BPSK	270	0	18.23	18.31	18.02	19.6	0.0	
100	QPSK	1	1	18.19	18.42	18.06			
100	QPSK	1	137	18.25	18.29	18.11			
100	QPSK	1	271	18.23	18.33	18.04			
100	QPSK	135	0	18.26	18.31	18.14	19.6	0.0	
100	QPSK	135	69	18.12	18.41	18.00	19.6	0.0	
100	QPSK	135	138	18.21	18.29	18.10	19.6	0.0	
100	QPSK	270	0	18.24	18.35	18.05	19.6	0.0	
100	16QAM	1	1	18.12	18.36	18.05			
100	64QAM	1	1	18.17	18.38	18.02			
100	256QAM	1	1	18.12	18.32	18.12			
Channel				649668	655000	655334	19.6	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.16	18.16	17.95	19.6	0.0	
Channel				649334	655000	652668	19.6	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.07	18.17	17.93	19.6	0.0	
Channel				649000	655000	653000	19.6	0.0	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.08	18.16	17.89	19.6	0.0	
Channel				648668	655000	653334	19.6	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.05	18.28	17.88	19.6	0.0	
Channel				648334	655000	653668	19.6	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.16	18.16	17.98	19.6	0.0	
Channel				648000	655000	654000	19.6	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.17	18.28	18.03	19.6	0.0	
Channel				647668	655000	654334	19.6	0.0	
Frequency (MHz)				3715.02	3840	3955.01			
30	QPSK	1	1	18.00	18.24	17.95	19.6	0.0	
Channel				647334	655000	654500	19.6	0.0	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	18.06	18.27	17.92	19.6	0.0	
Channel				647000	655000	654668	19.6	0.0	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.11	18.16	17.92	19.6	0.0	
Channel				647168	655000	654834	19.6	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.09	18.20	17.89	19.6	0.0	
Channel				647000	655000	655000	19.6	0.0	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.04	18.28	17.90	19.6	0.0	

Part270 n78 Ant9 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	19.6	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	18.28	18.28	18.16	19.6	0.0	
100	PI/2 BPSK	1	137	18.28	18.28	18.16			
100	PI/2 BPSK	1	271	18.28	18.28	18.16			
100	PI/2 BPSK	135	0	18.27	18.27	18.16			
100	PI/2 BPSK	135	69	18.24	18.24	18.16	19.6	0.0	
100	PI/2 BPSK	135	138	18.27	18.27	18.16	19.6	0.0	
100	PI/2 BPSK	270	0	18.24	18.24	18.16	19.6	0.0	
100	QPSK	1	1	18.27	18.27	18.16			
100	QPSK	1	137	18.19	18.19	18.16			
100	QPSK	1	271	18.21	18.21	18.16			
100	QPSK	135	0	18.20	18.20	18.16	19.6	0.0	
100	QPSK	135	69	18.28	18.28	18.16	19.6	0.0	
100	QPSK	135	138	18.15	18.15	18.16	19.6	0.0	
100	QPSK	270	0	18.21	18.21	18.16	19.6	0.0	
100	16QAM	1	1	18.22	18.22	18.16			
100	64QAM	1	1	18.26	18.26	18.16			
100	256QAM	1	1	18.24	18.24	18.16			
Channel				649668	650000	650334	19.6	0.0	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	18.34	18.29	18.35	19.6	0.0	
Channel				649334	650000	650668	19.6	0.0	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	18.20	18.20	18.29	19.6	0.0	
Channel				649000	650000	651000	19.6	0.0	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	18.30	18.27	18.27	19.6	0.0	
Channel				648668	650000	651334	19.6	0.0	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	18.25	18.28	18.30	19.6	0.0	
Channel				648334	650000	651668	19.6	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	18.36	18.30	18.36	19.6	0.0	
Channel				648000	650000	652000	19.6	0.0	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	18.29	18.32	18.31	19.6	0.0	
Channel				647668	650000	652334	19.6	0.0	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	18.35	18.31	18.36	19.6	0.0	
Channel				647500	650000	652500	19.6	0.0	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	18.27	18.34	18.35	19.6	0.0	
Channel				647334	650000	652668	19.6	0.0	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	18.27	18.34	18.30	19.6	0.0	
Channel				647168	650000	652834	19.6	0.0	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	18.26	18.35	18.27	19.6	0.0	
Channel				647000	650000	653000	19.6	0.0	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	18.28	18.28	18.28	19.6	0.0	

Reduced Power Mode for ECI 7

n5 Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167800	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.65	22.72	22.66	24.0	0.0
20	QPSK	50	28	22.68	22.70	22.69	24.0	0.0
20	QPSK	100	0	22.47	22.67	22.60	24.0	0.0

n7 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	18.98	19.20	18.99	20.2	0.0
50	QPSK	135	68	18.00	18.10	18.92	20.2	0.0
50	QPSK	270	0	18.28	18.04	18.91	20.2	0.0

n5 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.74	22.89	22.82	24.0	0.0
20	QPSK	50	28	22.82	22.88	22.74	24.0	0.0
20	QPSK	100	0	22.59	22.85	22.65	24.0	0.0

n38 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2596	2599.98		
40	QPSK	1	1	16.59	16.90	16.48	17.6	0.0
40	QPSK	50	28	16.58	16.68	16.44	17.6	0.0
40	QPSK	100	0	16.63	16.65	16.48	17.6	0.0

n26 Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.48	22.71	22.54	23.5	0.0
20	QPSK	50	28	22.46	22.68	22.47	23.5	0.0
20	QPSK	100	0	22.61	22.64	22.45	23.5	0.0

n38 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2596	2599.98		
40	QPSK	1	1	17.99	18.16	18.13	19.3	0.0
40	QPSK	50	28	18.00	18.14	18.07	19.3	0.0
40	QPSK	100	0	18.01	18.12	18.11	19.3	0.0

n7 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	17.98	18.15	17.80	19.3	0.0
50	QPSK	135	68	17.96	18.07	17.91	19.3	0.0
50	QPSK	270	0	17.98	18.02	17.80	19.3	0.0

n41 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	16.57	16.73	16.57	17.6	0.0
100	QPSK	135	69	16.52	16.70	16.58	17.6	0.0
100	QPSK	270	0	16.55	16.65	16.61	17.6	0.0

n41 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	QPSK	1	1	18.08	18.25	18.13	19.3	0.0
100	QPSK	135	69	18.05	18.17	18.13	19.3	0.0
100	QPSK	270	0	18.13	18.15	18.06	19.3	0.0

n26 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	20.87	20.96	20.75	22.0	0.0
20	QPSK	50	28	20.81	20.88	20.74	22.0	0.0
20	QPSK	100	0	20.73	20.82	20.70	22.0	0.0

n71											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				134600	136100	137600					
Frequency (MHz)				673	680.5	688					
20	Pi2 BPSK	1	1	23.07	23.13	22.97	24.0	0.0			
20	Pi2 BPSK	1	53	22.98	23.01	22.91					
20	Pi2 BPSK	1	104	22.97	23.00	22.83					
20	Pi2 BPSK	50	0	23.09	23.13	22.90	24.0	0.0			
20	Pi2 BPSK	50	28	22.98	22.98	22.98	24.0	0.0			
20	Pi2 BPSK	50	56	22.83	23.05	22.94	24.0	0.0			
20	Pi2 BPSK	100	0	22.98	22.98	22.92	24.0	0.0			
20	QPSK	1	1	23.12	23.18	23.16					
20	QPSK	1	53	23.01	23.09	23.03					
20	QPSK	1	104	22.98	23.14	23.09	24.0	0.0			
20	QPSK	50	0	22.82	22.85	22.86					
20	QPSK	50	28	23.03	23.14	23.04					
20	QPSK	50	56	22.74	22.83	22.72	24.0	0.0			
20	QPSK	100	0	22.81	22.94	22.80	24.0	0.0			
20	16QAM	1	1	22.89	22.98	22.83					
20	64QAM	1	1	22.81	22.97	22.81					
20	256QAM	1	1	21.43	21.57	21.53	22.5	1.5			
Channel				134100	136100	138100					
Frequency (MHz)				670.5	680.5	690.5					
15	QPSK	1	1	22.98	23.06	23.11	24.0	0.0			
Channel				133600	136100	138600					
Frequency (MHz)				693	693.5	693					
10	QPSK	1	1	23.02	23.06	23.10	24.0	0.0			
Channel				133100	136100	139100					
Frequency (MHz)				686.5	686.5	686.5					
5	QPSK	1	1	22.96	23.10	23.07	24.0	0.0			

n71											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				134600	136100	137600					
Frequency (MHz)				673	680.5	688					
20	PI2 BPSK	1	1	22.92	22.92	22.82	24.0	0.0			
20	PI2 BPSK	1	53	22.82	22.76	22.68					
20	PI2 BPSK	1	104	22.74	22.77	22.68					
20	PI2 BPSK	50	0	22.84	22.92	22.71	24.0	0.0			
20	PI2 BPSK	50	28	22.78	22.77	22.76	24.0	0.0			
20	PI2 BPSK	50	56	22.68	22.81	22.70	24.0	0.0			
20	PI2 BPSK	100	0	22.78	22.80	22.75					
20	QPSK	1	1	22.96	22.98	22.91					
20	QPSK	1	53	22.78	22.94	22.77	24.0	0.0			
20	QPSK	1	104	22.75	22.91	22.87	24.0	0.0			
20	QPSK	50	0	22.66	22.89	22.61					
20	QPSK	50	28	22.86	22.89	22.81					
20	QPSK	50	56	22.56	22.83	22.46	24.0	0.0			
20	QPSK	100	0	22.65	22.75	22.63					
20	16QAM	1	1	22.67	22.79	22.59	24.0	0.0			
20	64QAM	1	1	22.67	22.72	22.62	24.0	0.0			
20	256QAM	1	1	21.25	21.38	21.29	22.5	1.5			
Channel				134100	136100	138100					
Frequency (MHz)				670.5	680.5	690.5					
15	QPSK	1	1	22.89	22.90	22.76	24.0	0.0			
Channel				133600	136100	138600					
Frequency (MHz)				668	680.5	693					
10	QPSK	1	1	22.88	22.91	22.81	24.0	0.0			
Channel				133100	136100	139100					
Frequency (MHz)				665.5	686.5	696.5					
5	QPSK	1	1	22.82	22.88	22.84	24.0	0.0			

Part270 n77 Ant5 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000	65000	65000	12.8	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	11.61	11.80	11.53	12.8	0.0	
100	PI/2 BPSK	1	137	11.64	11.76	11.67			
100	PI/2 BPSK	1	271	11.54	11.73	11.66			
100	PI/2 BPSK	135	0	11.55	11.81	11.53			
100	PI/2 BPSK	135	69	11.67	11.69	11.54	12.8	0.0	
100	PI/2 BPSK	135	138	11.59	11.76	11.65	12.8	0.0	
100	PI/2 BPSK	270	0	11.67	11.78	11.56	12.8	0.0	
100	QPSK	1	1	11.59	11.80	11.65			
100	QPSK	1	137	11.63	11.75	11.64			
100	QPSK	1	271	11.53	11.68	11.54			
100	QPSK	135	0	11.57	11.76	11.62	12.8	0.0	
100	QPSK	135	69	11.59	11.61	11.55	12.8	0.0	
100	QPSK	135	138	11.64	11.70	11.56	12.8	0.0	
100	QPSK	270	0	11.66	11.72	11.53	12.8	0.0	
100	16QAM	1	1	11.56	11.80	11.66	12.8	0.0	
100	64QAM	1	1	11.54	11.76	11.65	12.8	0.0	
100	256QAM	1	1	11.56	11.68	11.66	12.8	0.0	
Channel				65968	65900	65934	12.8	MPR	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	11.51	11.62	11.49	12.8	0.0	
Channel				649334	650000	650668	12.8	MPR	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	11.49	11.75	11.58	12.8	0.0	
Channel				649000	650000	650000	12.8	MPR	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	11.54	11.71	11.60	12.8	0.0	
Channel				648668	650000	650334	12.8	MPR	
Frequency (MHz)				3730.02	3840	3930.01			
60	QPSK	1	1	11.57	11.68	11.62	12.8	0.0	
Channel				648334	650000	650668	12.8	MPR	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	11.55	11.69	11.60	12.8	0.0	
Channel				648000	650000	650000	12.8	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	11.51	11.73	11.62	12.8	0.0	
Channel				647668	650000	654334	12.8	MPR	
Frequency (MHz)				3715.02	3840	3955.01			
30	QPSK	1	1	11.51	11.76	11.55	12.8	0.0	
Channel				647000	650000	654000	12.8	MPR	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	11.50	11.70	11.56	12.8	0.0	
Channel				647334	650000	654668	12.8	MPR	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	11.50	11.63	11.63	12.8	0.0	
Channel				647168	650000	654834	12.8	MPR	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	11.54	11.71	11.57	12.8	0.0	
Channel				647000	650000	655000	12.8	MPR	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	11.55	11.64	11.55	12.8	0.0	

Part270 n78 Ant5 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000	65000	65000	12.8	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		11.77		12.8	0.0	
100	PI/2 BPSK	1	137		11.72				
100	PI/2 BPSK	1	271		11.62				
100	PI/2 BPSK	135	0		11.68				
100	PI/2 BPSK	135	69		11.62		12.8	0.0	
100	PI/2 BPSK	135	138		11.62		12.8	0.0	
100	PI/2 BPSK	270	0		11.73		12.8	0.0	
100	QPSK	1	1		11.68				
100	QPSK	1	137		11.66				
100	QPSK	1	271		11.53				
100	QPSK	135	0		11.58		12.8	0.0	
100	QPSK	135	69		11.65		12.8	0.0	
100	QPSK	135	138		11.63		12.8	0.0	
100	QPSK	270	0		11.57		12.8	0.0	
100	16QAM	1	1		11.69		12.8	0.0	
100	64QAM	1	1		11.70		12.8	0.0	
100	256QAM	1	1		11.58		12.8	0.0	
Channel				649668	650000	650334	12.8	MPR	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	11.55	11.67	11.55	12.8	0.0	
Channel				649334	650000	650668	12.8	MPR	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	11.41	11.67	11.57	12.8	0.0	
Channel				649000	650000	651000	12.8	MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	11.50	11.67	11.50	12.8	0.0	
Channel				648668	650000	651334	12.8	MPR	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	11.42	11.69	11.62	12.8	0.0	
Channel				648334	650000	651668	12.8	MPR	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	11.55	11.71	11.58	12.8	0.0	
Channel				648000	650000	652000	12.8	MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	11.51	11.75	11.55	12.8	0.0	
Channel				647668	650000	652334	12.8	MPR	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	11.47	11.70	11.54	12.8	0.0	
Channel				647000	650000	652500	12.8	MPR	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	11.54	11.63	11.51	12.8	0.0	
Channel				647334	650000	652668	12.8	MPR	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	11.57	11.61	11.62	12.8	0.0	
Channel				647168	650000	652834	12.8	MPR	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	11.51	11.67	11.56	12.8	0.0	
Channel				647000	650000	653000	12.8	MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	11.46	11.73	11.53	12.8	0.0	

Part270 n77 Ant3 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	14.6	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	13.11	13.14	12.87	14.6	0.0	
100	PI/2 BPSK	1	137	13.04	13.21	12.96			
100	PI/2 BPSK	1	271	13.04	13.16	12.97			
100	PI/2 BPSK	135	0	13.04	13.18	13.00			
100	PI/2 BPSK	135	69	13.05	13.15	12.96	14.6	0.0	
100	PI/2 BPSK	135	138	12.96	13.17	13.00	14.6	0.0	
100	PI/2 BPSK	270	0	13.01	13.09	12.94	14.6	0.0	
100	QPSK	1	1	12.99	13.30	13.01			
100	QPSK	1	137	13.03	13.19	12.89			
100	QPSK	1	271	13.10	13.14	12.98			
100	QPSK	135	0	13.08	13.15	13.01	14.6	0.0	
100	QPSK	135	69	12.96	13.21	12.98	14.6	0.0	
100	QPSK	135	138	13.02	13.13	12.92	14.6	0.0	
100	QPSK	270	0	13.02	13.17	12.95	14.6	0.0	
100	16QAM	1	1	13.11	13.19	12.92			
100	64QAM	1	1	13.05	13.18	12.93			
100	256QAM	1	1	13.07	13.22	12.91			
Channel				649968	650032	650334	14.6	MPR	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	12.97	13.19	12.99	14.6	0.0	
Channel				649334	650000	652668	14.6	MPR	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	12.99	13.25	13.01	14.6	0.0	
Channel				649000	650000	653000	14.6	MPR	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	12.99	13.28	12.92	14.6	0.0	
Channel				648668	650000	653334	14.6	MPR	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	13.02	13.24	13.08	14.6	0.0	
Channel				648334	650000	653668	14.6	MPR	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	13.05	13.30	12.97	14.6	0.0	
Channel				648000	650000	654000	14.6	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	12.97	13.26	12.94	14.6	0.0	
Channel				647668	650000	654334	14.6	MPR	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	12.90	13.28	12.94	14.6	0.0	
Channel				647334	650000	654500	14.6	MPR	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	12.97	13.23	13.05	14.6	0.0	
Channel				647334	650000	654668	14.6	MPR	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	13.02	13.19	13.03	14.6	0.0	
Channel				647168	650000	654834	14.6	MPR	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	13.03	13.26	13.05	14.6	0.0	
Channel				647000	650000	655000	14.6	MPR	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	12.91	13.29	13.01	14.6	0.0	

Part270 n78 Ant3 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	14.6	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		13.06		14.6	0.0	
100	PI/2 BPSK	1	137		13.26				
100	PI/2 BPSK	1	271		13.07				
100	PI/2 BPSK	135	0		13.17				
100	PI/2 BPSK	135	69		13.18		14.6	0.0	
100	PI/2 BPSK	135	138		13.10		14.6	0.0	
100	PI/2 BPSK	270	0		13.08		14.6	0.0	
100	QPSK	1	1		13.27				
100	QPSK	1	137		13.16				
100	QPSK	1	271		13.19				
100	QPSK	135	0		13.14		14.6	0.0	
100	QPSK	135	69		13.18		14.6	0.0	
100	QPSK	135	138		13.15		14.6	0.0	
100	QPSK	270	0		13.10		14.6	0.0	
100	16QAM	1	1		13.14				
100	64QAM	1	1		13.18				
100	256QAM	1	1		13.16				
Channel				649668	650000	650334	14.6	MPR	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	12.99	13.16	12.93	14.6	0.0	
Channel				649334	650000	650668	14.6	MPR	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	12.99	13.25	12.90	14.6	0.0	
Channel				649000	650000	651000	14.6	MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	12.90	13.15	13.04	14.6	0.0	
Channel				648668	650000	651334	14.6	MPR	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	12.90	13.15	13.04	14.6	0.0	
Channel				648334	650000	651668	14.6	MPR	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	12.91	13.12	13.01	14.6	0.0	
Channel				648000	650000	652000	14.6	MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	12.96	13.12	13.02	14.6	0.0	
Channel				647668	650000	652334	14.6	MPR	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	13.00	13.11	12.97	14.6	0.0	
Channel				647500	650000	652500	14.6	MPR	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	12.91	13.26	12.93	14.6	0.0	
Channel				647334	650000	652668	14.6	MPR	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	13.01	13.24	12.94	14.6	0.0	
Channel				647168	650000	652834	14.6	MPR	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	12.89	13.23	13.02	14.6	0.0	
Channel				647000	650000	653000	14.6	MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	12.91	13.21	12.94	14.6	0.0	

Part270 n77 Ant7 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	17.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.90	15.93	15.92	17.5	0.0	
100	PI/2 BPSK	1	137	15.82	16.01	15.80			
100	PI/2 BPSK	1	271	15.92	15.91	15.87	17.5	0.0	
100	PI/2 BPSK	135	0	15.91	15.88	15.88			
100	PI/2 BPSK	135	69	15.85	15.96	15.88	17.5	0.0	
100	PI/2 BPSK	135	138	15.85	15.87	15.91			
100	PI/2 BPSK	270	0	15.93	15.92	15.80	17.5	0.0	
100	QPSK	1	1	15.84	16.05	15.86			
100	QPSK	1	137	15.88	15.87	15.89	17.5	0.0	
100	QPSK	1	271	15.85	15.91	15.88			
100	QPSK	135	0	15.88	15.91	15.94	17.5	0.0	
100	QPSK	135	69	15.94	16.02	15.93			
100	QPSK	135	138	15.86	15.96	15.80	17.5	0.0	
100	QPSK	270	0	15.90	15.98	15.83			
100	16QAM	1	1	15.96	15.97	15.94	17.5	0.0	
100	64QAM	1	1	15.87	15.91	15.84			
100	256QAM	1	1	15.89	15.88	15.81	17.5	0.0	
Channel				649998	650002	650004			
Frequency (MHz)				3745.02	3840	3935.01	17.5	0.0	
90	QPSK	1	1	15.76	15.91	15.69			
Channel				649334	650000	652668	17.5	MPR	
Frequency (MHz)				3740.01	3740	3940.02			
80	QPSK	1	1	15.72	15.93	15.83	17.5	0.0	
Channel				649000	650000	653000			
Frequency (MHz)				3735	3840	3945	17.5	0.0	
70	QPSK	1	1	15.79	15.95	15.71			
Channel				648668	650000	653334	17.5	MPR	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.69	15.91	15.76	17.5	0.0	
Channel				648334	650000	653668			
Frequency (MHz)				3725.01	3840	3955.02	17.5	0.0	
50	QPSK	1	1	15.70	15.95	15.78			
Channel				648000	650000	654000	17.5	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.76	15.94	15.71	17.5	0.0	
Channel				647668	650000	654334			
Frequency (MHz)				3715.02	3740	3965.01	17.5	0.0	
30	QPSK	1	1	15.71	15.89	15.81			
Channel				647334	650000	654668	17.5	MPR	
Frequency (MHz)				3710.01	3840	3970.02			
25	QPSK	1	1	15.70	15.96	15.77	17.5	0.0	
Channel				647000	650000	655000			
Frequency (MHz)				3712.5	3840	3987.5	17.5	0.0	
20	QPSK	1	1	15.74	15.87	15.76			
Channel				647188	650000	654834	17.5	MPR	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	15.78	15.85	15.75	17.5	0.0	
Channel				647000	650000	655000			
Frequency (MHz)				3705	3840	3975	17.5	0.0	
10	QPSK	1	1	15.79	15.94	15.81			

Part270 n78 Ant7 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	17.5	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	15.78			17.5	0.0	
100	PI/2 BPSK	1	137	15.90					
100	PI/2 BPSK	1	271	15.75			17.5	0.0	
100	PI/2 BPSK	135	0	15.82					
100	PI/2 BPSK	135	69	15.87			17.5	0.0	
100	PI/2 BPSK	135	138	15.83					
100	PI/2 BPSK	270	0	15.76			17.5	0.0	
100	QPSK	1	1	15.88					
100	QPSK	1	137	15.71			17.5	0.0	
100	QPSK	1	271	15.89					
100	QPSK	135	0	15.76			17.5	0.0	
100	QPSK	135	69	15.92					
100	QPSK	135	138	15.88			17.5	0.0	
100	QPSK	270	0	15.91					
100	16QAM	1	1	15.92			17.5	0.0	
100	64QAM	1	1	15.81					
100	256QAM	1	1	15.74			17.5	0.0	
Channel				649968	650032	650334			
Frequency (MHz)				3745.02	3750	3755.01	17.5	MPR	
90	QPSK	1	1	15.74	15.78	15.74			
Channel				649334	650000	650668	17.5	MPR	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	15.70	15.90	15.74	17.5	0.0	
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765	17.5	0.0	
70	QPSK	1	1	15.77	15.78	15.78		17.5	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01	17.5	0.0	
60	QPSK	1	1	15.65	15.88	15.77			
Channel				648334	650000	651668	17.5	MPR	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	15.81	15.83	15.79	17.5	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780	17.5	0.0	
40	QPSK	1	1	15.89	15.76	15.88		17.5	
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01	17.5	MPR	
30	QPSK	1	1	15.72	15.87	15.74		17.5	
Channel				647334	650000	652500			
Frequency (MHz)				3712.5	3750	3787.5	17.5	0.0	
25	QPSK	1	1	15.74	15.83	15.80		17.5	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02	17.5	0.0	
20	QPSK	1	1	15.87	15.77	15.75		17.5	
Channel				647188	650000	652834			
Frequency (MHz)				3707.52	3750	3792.51	17.5	0.0	
15	QPSK	1	1	15.78	15.81	15.76		17.5	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795	17.5	0.0	
10	QPSK	1	1	15.87	15.80	15.74			

Part270 n77 Ant9 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				655000	655000	655000	15.9	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	14.63	14.88	14.62	15.9	0.0	
100	PI/2 BPSK	1	137	14.74	14.78	14.60			
100	PI/2 BPSK	1	271	14.71	14.90	14.65			
100	PI/2 BPSK	135	0	14.65	14.91	14.57			
100	PI/2 BPSK	135	69	14.68	14.89	14.60	15.9	0.0	
100	PI/2 BPSK	135	138	14.76	14.88	14.58	15.9	0.0	
100	PI/2 BPSK	270	0	14.71	14.78	14.50	15.9	0.0	
100	QPSK	1	1	14.62	14.85	14.64			
100	QPSK	1	137	14.73	14.81	14.55			
100	QPSK	1	271	14.85	14.89	14.51			
100	QPSK	135	0	14.69	14.88	14.53	15.9	0.0	
100	QPSK	135	69	14.67	14.84	14.53	15.9	0.0	
100	QPSK	135	138	14.69	14.86	14.70	15.9	0.0	
100	QPSK	270	0	14.75	14.90	14.70	15.9	0.0	
100	16QAM	1	1	14.62	14.93	14.51			
100	64QAM	1	1	14.68	14.78	14.53			
100	256QAM	1	1	14.61	14.78	14.56			
Channel				649968	655000	655334	15.9	MPR	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	14.54	14.74	14.64	15.9	0.0	
Channel				649334	655000	652668	15.9	MPR	
Frequency (MHz)				3740.01	3740	3940.02			
80	QPSK	1	1	14.54	14.74	14.58	15.9	0.0	
Channel				649000	655000	653000	15.9	MPR	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	14.63	14.71	14.58	15.9	0.0	
Channel				648668	655000	653334	15.9	MPR	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	14.67	14.68	14.67	15.9	0.0	
Channel				648334	655000	653668	15.9	MPR	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	14.52	14.71	14.61	15.9	0.0	
Channel				648000	655000	653000	15.9	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	14.55	14.71	14.64	15.9	0.0	
Channel				647668	655000	654334	15.9	MPR	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	14.65	14.74	14.60	15.9	0.0	
Channel				647334	655000	654000	15.9	MPR	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	14.64	14.73	14.55	15.9	0.0	
Channel				647000	655000	653668	15.9	MPR	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	14.61	14.82	14.59	15.9	0.0	
Channel				647168	655000	654834	15.9	MPR	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	14.54	14.70	14.58	15.9	0.0	
Channel				647000	655000	653000	15.9	MPR	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	14.63	14.81	14.64	15.9	0.0	

Part270 n78 Ant9 PC3/PC2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	15.9	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		14.67		15.9	0.0	
100	PI/2 BPSK	1	137		14.67				
100	PI/2 BPSK	1	271		14.65				
100	PI/2 BPSK	135	0		14.91				
100	PI/2 BPSK	135	69		14.84		15.9	0.0	
100	PI/2 BPSK	135	138		14.62		15.9	0.0	
100	PI/2 BPSK	270	0		14.63		15.9	0.0	
100	QPSK	1	1		14.64				
100	QPSK	1	137		14.80				
100	QPSK	1	271		14.84				
100	QPSK	135	0		14.86		15.9	0.0	
100	QPSK	135	69		14.90		15.9	0.0	
100	QPSK	135	138		14.88		15.9	0.0	
100	QPSK	270	0		14.94		15.9	0.0	
100	16QAM	1	1		14.92				
100	64QAM	1	1		14.63				
100	256QAM	1	1		14.67				
Channel				649968	650000	650334	15.9	MPR	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	14.51	14.70	14.59	15.9	0.0	
Channel				649334	650000	650668	15.9	MPR	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	14.43	14.79	14.10	15.9	0.0	
Channel				649000	650000	651000	15.9	MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	14.51	14.72	14.68	15.9	0.0	
Channel				648668	650000	651334	15.9	MPR	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	14.43	14.75	14.60	15.9	0.0	
Channel				648334	650000	651668	15.9	MPR	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	14.44	14.73	14.57	15.9	0.0	
Channel				648000	650000	652000	15.9	MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	14.56	14.72	14.80	15.9	0.0	
Channel				647668	650000	652334	15.9	MPR	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	14.46	14.79	14.57	15.9	0.0	
Channel				647334	650000	652500	15.9	MPR	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	14.58	14.74	14.63	15.9	0.0	
Channel				647000	650000	652668	15.9	MPR	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	14.47	14.79	14.67	15.9	0.0	
Channel				647168	650000	652834	15.9	MPR	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	14.55	14.76	14.63	15.9	0.0	
Channel				647000	650000	653000	15.9	MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	14.45	14.74	14.68	15.9	0.0	

Full&Default Power Mode for Other PA

n7 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 505000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 509000	Tune-up limit (dBm)	MPR (dB)
Channel				2525	2535	2545	24.0	0.0
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	22.97	23.00	22.95	24.0	0.0
50	QPSK	135	68	22.92	22.95	22.81	24.0	0.0
50	QPSK	270	0	22.59	22.71	22.63	24.0	0.0

n7 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 505000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 509000	Tune-up limit (dBm)	MPR (dB)
Channel				2525	2535	2545	24.0	0.0
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	22.85	22.90	22.87	24.0	0.0
50	QPSK	135	68	22.77	22.85	22.70	24.0	0.0
50	QPSK	270	0	22.43	22.65	22.55	24.0	0.0

Reduced Power Mode for Other PA EC12

n7 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	22.97	23.00	22.95	24.0	0.0
50	QPSK	135	68	22.92	22.95	22.81	24.0	0.0
50	QPSK	270	0	22.99	22.71	22.63	24.0	0.0

n7 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	18.99	19.14	19.11	20.6	0.0
50	QPSK	135	68	18.67	18.79	18.75	20.6	0.0
50	QPSK	270	0	18.52	18.69	18.60	20.6	0.0

Reduced Power Mode for Main PA ECI 3

n7 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	21.02	21.09	20.82	22.2	0.0
50	QPSK	135	68	20.89	21.02	20.76	22.2	0.0
50	QPSK	270	0	20.82	20.90	20.81	22.2	0.0

n7 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	19.04	19.07	18.86	20.6	0.0
50	QPSK	135	68	18.98	18.94	18.89	20.6	0.0
50	QPSK	270	0	18.60	18.83	18.68	20.6	0.0

Reduced Power Mode for Other PA ECI 6

n7 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	21.03	21.10	20.95	22.1	0.0
50	QPSK	135	68	20.89	20.98	20.75	22.1	0.0
50	QPSK	270	0	20.65	20.68	20.57	22.1	0.0

n7 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	20.95	21.00	20.93	22.0	0.0
50	QPSK	135	68	20.83	20.89	20.70	22.0	0.0
50	QPSK	270	0	20.63	20.71	20.61	22.0	0.0

Reduced Power Mode for Other PA ECI 7

n7 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power P _{max}	Power P _{max} (dBm)	Power P _{max} (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2325	2335	2345		
50	QPSK	1	1	18.85	18.05	18.26	20.2	0.0
50	QPSK	135	68	18.94	18.95	18.82	20.2	0.0
50	QPSK	270	0	18.86	18.92	18.74	20.2	0.0

n7 Ant4								
BW [MHz]	Modulation	RB Size	RB Offset	Power P _{max}	Power P _{max} (dBm)	Power P _{max} (dBm)	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2325	2335	2345		
50	QPSK	1	1	17.90	18.01	17.70	19.3	0.0
50	QPSK	135	68	17.86	18.01	17.87	19.3	0.0
50	QPSK	270	0	17.84	17.92	17.75	19.3	0.0

	Mode	Channel	Default Power		Head Standalone		Head Simultaneous		Body worn Standalone		Body worn Simultaneous		Hotspot		Duty Cycle %	
			Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit			
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.40	20.00	15.68	17.00	10.08	12.00	18.19	19.50	13.11	14.50	14.52	16.00	99.14
		6	2437	18.44	20.00	15.65	17.00	10.05	12.00	18.21	19.50	13.17	14.50	14.41	16.00	
	802.11g 6Mbps	1	2412	18.54	20.00	17.00	17.00	12.00	12.00	19.50	19.50	14.50	14.50	16.00	96.97	
		6	2437	18.41	20.00	17.00	17.00	12.00	12.00	19.50	19.50	14.50	14.50	16.00		
	802.11n-HT20 MCS0	1	2412	14.92	16.50	17.00	17.00	12.00	12.00	19.50	19.50	14.50	14.50	16.00	96.76	
		6	2437	18.46	20.00	17.00	17.00	12.00	12.00	19.50	19.50	14.50	14.50	16.00		
	802.11n-HT40 MCS0	1	2412	18.39	16.00	16.00	12.00	12.00	16.00	14.50	14.50	16.00	16.00	16.00	93.71	
		6	2437	13.94	14.50	14.50	12.00	12.00	14.50	14.50	14.50	14.50	14.50	16.00		
	802.11ax-HE20 MCS0	1	2412	18.61	20.00	17.00	17.00	12.00	12.00	19.50	19.50	14.50	14.50	16.00	95.90	
		6	2437	18.43	20.00	17.00	17.00	12.00	12.00	19.50	19.50	14.50	14.50	16.00		
	802.11ax-HE40 MCS0	1	2412	17.00	16.50	17.00	17.00	12.00	12.00	18.50	18.50	14.50	14.50	16.00	92.46	
		6	2437	14.90	16.50	16.50	12.00	12.00	16.50	16.50	14.50	14.50	16.00	16.00		

<5.2GHz WLAN>

			Default Power		Head Standalone Body worn Standalone		Head&Body worn Simultaneous		Extremity Standalone		Extremity Simultaneous		Hotspot				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle	
5.2GHz WLAN	802.11a Mbps	36	5180	17.92	19.50	14.50	10.00	17.08	19.00	15.00	10.00	15.00	14.00				
		40	5200	17.97	19.50	14.50	10.00	17.15	19.00	15.00	10.00	15.00	14.00	96.96			
	802.11n-HT20 MCS0	44	5220	17.88	19.50	14.50	10.00	17.06	19.00	15.00	10.00	15.00	14.00				
		48	5240	18.12	19.50	14.50	10.00	17.27	19.00	15.00	10.00	15.00	14.00				
	802.11n-HT40 MCS0	36	5180	16.99	19.50	14.50	10.00	16.90	19.00	15.00	10.00	15.00	14.00				
		40	5200	17.69	19.50	14.50	10.00	17.09	19.00	15.00	10.00	15.00	14.00				
	802.11ac-VHT20 MCS0	44	5220	18.05	19.50	14.50	10.00	16.90	19.00	15.00	10.00	15.00	14.00				
		48	5240	18.04	19.50	14.50	10.00	17.09	19.00	15.00	10.00	15.00	14.00				
	802.11ac-VHT40 MCS0	36	5180	14.95	16.00	14.50	10.00	14.38	16.00	14.50	10.00	15.00	14.00			93.28	
		48	5230	17.25	19.00	14.50	10.00	16.90	17.25	19.00	15.00	10.00	15.00	14.00			
	802.11ac-VHT80 MCS0	40	5200	17.50	19.50	14.50	10.00	16.90	17.50	19.50	15.00	10.00	15.00	14.00			
		44	5220	18.12	19.50	14.50	10.00	17.09	18.12	19.50	15.00	10.00	15.00	14.00			96.79
5.2GHz WLAN	802.11ac-VHT20 MCS0	44	5220	17.69	19.50	14.50	10.00	16.90	19.00	15.00	10.00	15.00	14.00				
		48	5240	17.68	19.50	14.50	10.00	17.09	19.00	15.00	10.00	15.00	14.00				
	802.11ac-VHT40 MCS0	36	5180	14.73	16.00	14.50	10.00	13.90	16.00	14.50	10.00	15.00	14.00			93.36	
		40	5200	17.31	19.00	14.50	10.00	16.90	17.31	19.00	15.00	10.00	15.00	14.00			
	802.11ac-VHT80 MCS0	40	5210	14.27	16.00	13.24	13.24	8.31	10.00	16.00	13.28	15.00	12.46	12.46			87.50
		36	5180	17.19	19.50	14.50	10.00	16.90	17.19	19.50	15.00	10.00	15.00	14.00			
	802.11ax-HE20 MCS0	40	5200	18.14	19.50	14.50	10.00	16.90	19.00	15.00	10.00	15.00	14.00			95.88	
		44	5220	18.26	19.50	14.50	10.00	17.09	18.26	19.50	15.00	10.00	15.00	14.00			
	802.11ax-HE40 MCS0	48	5240	18.13	19.50	14.50	10.00	17.09	18.13	19.50	15.00	10.00	15.00	14.00			
		36	5180	14.96	16.00	14.50	10.00	16.90	14.96	16.00	14.50	10.00	15.00	14.00			92.04
	802.11ax-HE80 MCS0	40	5200	17.30	16.00	14.50	10.00	17.09	17.30	16.00	14.50	10.00	15.00	14.00			
		42	5210	14.48	16.00	14.50	10.00	16.90	14.48	16.00	14.50	10.00	15.00	14.00			86.09

<5.8GHz WLAN>

		Default Power		Head Standalone		Body worn Standalone		Head&Body worn Simultaneous		Extremity Standalone		Extremity Simultaneous				
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	52	5260	18.09	19.50	14.50	10.00	17.12	19.00	14.00	10.00	14.00	10.00	14.00	10.00	96.96
		40	5280	18.16	19.50	14.50	10.00	17.10	19.00	14.00	10.00	14.00	10.00	14.00		
		60	5300	18.18	19.50	14.50	10.00	17.26	19.00	14.00	10.00	14.00	10.00	14.00		
		64	5320	18.27	19.50	14.50	10.00	17.20	19.00	14.00	10.00	14.00	10.00	14.00		
	802.11n-HT20 MCS0	52	5260	18.03	19.50	14.50	10.00	10.00	17.20	19.00	14.00	10.00	14.00	10.00	14.00	96.95
		40	5280	18.06	19.50	14.50	10.00	10.00	17.20	19.00	14.00	10.00	14.00	10.00	14.00	
		60	5300	18.10	19.50	14.50	10.00	10.00	17.20	19.00	14.00	10.00	14.00	10.00	14.00	
		64	5320	18.10	19.50	14.50	10.00	10.00	17.20	19.00	14.00	10.00	14.00	10.00	14.00	
	802.11n-HT40 MCS0	52	5260	18.09	17.25	14.50	10.00	10.00	17.20	17.50	14.00	10.00	14.00	10.00	14.00	93.28
		40	5280	18.15	19.50	14.50	10.00	10.00	17.38	19.00	14.00	10.00	14.00	10.00	14.00	
		60	5300	18.18	19.50	14.50	10.00	10.00	17.38	19.00	14.00	10.00	14.00	10.00	14.00	
		64	5320	18.28	19.50	14.50	10.00	10.00	17.43	19.00	14.00	10.00	14.00	10.00	14.00	
802.11ac-VHT20 MCS0	52	5260	18.18	19.50	14.50	10.00	10.00	17.38	19.00	14.00	10.00	14.00	10.00	14.00	96.79	
	40	5280	18.25	19.50	14.50	10.00	10.00	17.38	19.00	14.00	10.00	14.00	10.00	14.00		
	60	5300	18.28	19.50	14.50	10.00	10.00	17.38	19.00	14.00	10.00	14.00	10.00	14.00		
	64	5320	18.38	19.50	14.50	10.00	10.00	17.38	19.00	14.00	10.00	14.00	10.00	14.00		
802.11ac-VHT40 MCS0	52	5260	18.13	17.25	14.50	10.00	10.00	17.36	17.50	14.00	10.00	14.00	10.00	14.00	93.36	
	40	5280	18.15	19.50	14.50	10.00	10.00	17.36	19.00	14.00	10.00	14.00	10.00	14.00		
	60	5300	18.13	19.50	14.50	10.00	10.00	17.36	19.00	14.00	10.00	14.00	10.00	14.00		
	64	5320	18.33	19.50	14.50	10.00	10.00	17.36	19.00	14.00	10.00	14.00	10.00	14.00		
802.11ac-VHT80 MCS0	52	5260	18.13	15.00	11.49	11.49	8.56	10.00	15.00	12.53	14.00	14.00	14.00	14.00	87.50	
	40	5280	18.10	19.50	14.50	10.00	10.00	17.36	19.00	14.00	10.00	14.00	10.00	14.00		
	60	5300	18.33	19.50	14.50	10.00	10.00	17.36	19.00	14.00	10.00	14.00	10.00	14.00		
	64	5320	18.27	17.50	14.50	10.00	10.00	17.36	19.00	14.00	10.00	14.00	10.00	14.00		
802.11ax-HE20 MCS0	54	5270	17.53	16.00	14.50	10.00	10.00	17.50	19.00	14.00	10.00	14.00	10.00	14.00	92.04	
	52	5260	18.27	16.00	14.50	10.00	10.00	17.50	19.00	14.00	10.00	14.00	10.00	14.00		
	56	5280	18.38	16.00	14.50	10.00	10.00	17.50	19.00	14.00	10.00	14.00	10.00	14.00		
	58	5290	13.58	16.00	14.50	10.00	10.00	17.50	19.00	14.00	10.00	14.00	10.00	14.00		

<5.9GHz WLAN>

	Mode	Channel	Default Power				Head Standalone		Head&Body worn Simultaneous		Body worn Standalone		Extremity Standalone		Extremity Simultaneous		Duty Cycle %
			Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit		
5.9GHz WLAN	802.11a 6Mbps	100	5500	17.89	19.50	15.00	12.00	16.50	16.50	15.00	10.00	14.00	96.96				
		116	5580	17.87	19.50	15.00	12.00	16.50	16.50	19.00	15.00	10.00					
		124	5620	17.83	19.50	15.00	12.00	16.50	16.50	19.00	15.00	10.00					
		132	5660	17.84	19.50	15.00	12.00	16.50	16.50	19.00	15.00	10.00					
	802.11n-HT20 MCS0	140	5700	17.66	19.50	15.00	12.00	16.50	16.50	19.00	15.00	10.00	96.95				
		144	5720	17.85	19.50	15.00	12.00	16.50	16.50	19.00	15.00	10.00					
		152	5760	17.57	19.50	15.00	12.00	16.50	16.50	19.00	15.00	10.00					
		156	5800	17.13	19.50	15.00	12.00	16.50	16.50	19.00	15.00	10.00					
	802.11n-HT40 MCS0	116	5580	18.26	19.50	15.00	12.00	16.50	16.50	19.00	15.00	10.00	93.28				
		124	5620	17.84	19.50	15.00	12.00	16.50	16.50	19.00	15.00	10.00					
		132	5660	17.79	19.50	15.00	12.00	16.50	16.50	19.00	15.00	10.00					
140		5700	17.66	19.50	15.00	12.00	16.50	16.50	19.00	15.00	10.00						
802.11n-VHT20 MCS0	144	5720	17.75	19.50	15.00	12.00	16.50	16.50	19.00	15.00	10.00	96.79					
	148	5740	17.89	19.50	15.00	12.00	16.50	16.50	19.00	15.00	10.00						
	152	5760	17.59	19.50	15.00	12.00	16.50	16.50	19.00	15.00	10.00						
	156	5800	17.15	19.50	15.00	12.00	16.50	16.50	19.00	15.00	10.00						
802.11n-VHT40 MCS0	134	5670	17.09	19.00	15.00	12.00	16.50	17.00	19.00	15.00	10.00	93.36					
	142	5710	16.95	19.00	15.00	12.00	16.50	17.00	19.00	15.00	10.00						
	150	5750	17.47	19.00	15.00	12.00	16.50	17.00	19.00	15.00	10.00						
	158	5790	18.01	19.50	15.00	12.00	16.50	19.00	15.00	10.00	14.00						
802.11n-VHT80 MCS0	124	5620	17.84	19.50	15.00	12.00	16.50	19.00	15.00	10.00	87.50						
	132	5660	17.88	19.50	15.00	12.00	16.50	19.00	15.00	10.00							
	140	5700	16.95	17.50	15.00	12.00	16.50	17.50	19.00	15.00		10.00					
	148	5740	17.69	19.00	15.00	12.00	16.50	19.00	15.00	10.00		14.00					
802.11ac-VHT40 MCS0	152	5760	18.14	17.50	15.00	12.00	16.50	17.50	19.00	15.00	10.00	93.36					
	156	5800	17.07	19.00	15.00	12.00	16.50	19.00	15.00	10.00	14.00						
	120	5630	17.21	18.00	12.00	10.00	14.50	14.50	12.00	10.00	14.00						
	134	5670	17.11	18.00	15.00	12.00	16.50	19.00	15.00	10.00	14.00						
802.11ac-VHT80 MCS0	142	5710	17.13	19.00	15.00	12.00	16.50	19.00	15.00	10.00	87.50						
	150	5750	14.70	16.50	14.00	10.18	14.58	16.50	16.50	12.10		12.10	14.00				
	122	5610	16.14	18.00	14.21	18.00	10.22	12.00	14.67	16.50		16.50	12.10	12.10	14.00		
	130	5650	17.65	19.50	15.00	12.00	16.50	19.00	15.00	10.00		14.00					
802.11ac-HE20 MCS0	100	5500	17.65	19.50	15.00	12.00	16.50	16.50	19.00	15.00	10.00	95.88					
	116	5580	18.12	19.50	15.00	12.00	16.50	19.00	15.00	10.00	14.00						
	124	5620	18.02	19.50	15.00	12.00	16.50	19.00	15.00	10.00	14.00						
	132	5660	17.92	19.50	15.00	12.00	16.50	19.00	15.00	10.00	14.00						
802.11ac-HE40 MCS0	140	5700	16.12	17.50	15.00	12.00	16.50	17.50	19.00	15.00	10.00	92.04					
	144	5720	17.87	19.50	15.00	12.00	16.50	19.00	15.00	10.00	14.00						
	152	5760	16.34	18.00	15.00	12.00	16.50	19.00	15.00	10.00	14.00						
	156	5800	17.20	19.00	15.00	12.00	16.50	19.00	15.00	10.00	14.00						
802.11ac-HE80 MCS0	134	5670	17.08	19.00	15.00	12.00	16.50	19.00	15.00	10.00	14.00	86.96					
	142	5710	17.10	19.00	15.00	12.00	16.50	19.00	15.00	10.00	14.00						
	150	5750	14.80	16.50	15.00	12.00	16.50	19.00	15.00	10.00	14.00						
	158	5790	16.22	18.00	15.00	12.00	16.50	19.00	15.00	10.00	14.00						

BT 2.0								
Ant1 Full power								
Mode	Channel	Frequency (MHz)	Average power (dBm)			Head		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	16.05	14.12	13.82	12.01	10.46	10.32
	CH 39	2441	15.12	13.25	12.86	11.60	9.53	9.32
	CH 76	2480	16.17	14.29	14.15	12.56	10.52	10.64
Tune-up Limit			17.00	15.50	15.00	13.50	11.50	11.50

BLE 1M			
Ant1 Full power			
Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.76
	CH 19	2440	6.62
	CH 39	2480	6.73
Tune-up Limit			8.00

BLE 2M			
Ant1 Full power			
Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.81
	CH 19	2440	6.69
	CH 39	2480	6.91
Tune-up Limit			8.00