

Full & Default Power Mode

GSM850 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	848.6		824.2	836.4	848.6	
GPRS 3 Tx slot		29.08	29.11	29.07	31.00	24.82	24.85	24.81	26.74

Band		WCDMA V Ant0			Tune-up Limit (dBm)
TX Channel		4132	4162	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	22.81	22.84	22.79	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				20460	20525	20590		
Frequency (MHz)				829	838.5	844		
10	QPSK	1	0	22.43	22.46	22.45	24	0

Band 26 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				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.45	22.47	22.44	24	0

Band 7 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				20650	21100	21550					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	19.75	19.79	19.72	21	0			
20	QPSK	1	49	19.57	19.66	19.55					
20	QPSK	1	99	19.62	19.68	19.71					
20	QPSK	50	0	18.75	18.77	18.73					
20	QPSK	50	24	18.76	18.80	18.73	20	1			
20	QPSK	50	50	18.71	18.75	18.72					
20	QPSK	100	0	18.72	18.76	18.71					
20	16QAM	1	0	18.71	18.75	18.76					
20	16QAM	1	49	18.69	18.71	18.80	20	1			
20	16QAM	1	99	18.67	18.72	18.76					
20	16QAM	50	0	17.75	17.85	17.88					
20	16QAM	50	24	17.86	17.79	17.77					
20	16QAM	50	50	17.74	17.78	17.73	19	2			
20	16QAM	100	0	17.82	17.86	17.83					
20	64QAM	1	0	17.61	17.88	17.60					
20	64QAM	1	49	17.59	17.87	17.69					
20	64QAM	1	99	17.74	17.80	17.72	19	2			
20	64QAM	50	0	16.49	16.86	16.80					
20	64QAM	50	24	16.53	16.80	16.61					
20	64QAM	50	50	16.76	16.65	16.58					
20	64QAM	100	0	16.65	16.89	16.91	18	3			
20	256QAM	1	0	14.56	14.83	14.77					
20	256QAM	1	49	14.68	14.67	14.76					
20	256QAM	1	99	14.73	14.64	14.75					
20	256QAM	50	0	14.78	14.95	14.86	16	5			
20	256QAM	50	24	14.47	14.78	14.77					
20	256QAM	50	50	14.55	14.73	14.59					
20	256QAM	100	0	14.58	14.67	14.54					
Channel				20625	21100	21375	Tune-up limit (dBm)				
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	19.70	19.76	19.66	21	0			
15	QPSK	1	37	19.51	19.59	19.48					
15	QPSK	1	74	19.54	19.62	19.62					
15	QPSK	36	0	18.62	18.75	18.69					
15	QPSK	36	20	18.72	18.63	18.67	20	1			
15	QPSK	36	39	18.67	18.63	18.72					
15	QPSK	75	0	18.74	18.74	18.66					
15	16QAM	1	0	18.70	18.69	18.69					
15	16QAM	1	37	18.68	18.62	18.69	20	1			
15	16QAM	1	74	18.63	18.71	18.68					
15	16QAM	36	0	17.67	17.85	17.55					
15	16QAM	36	20	17.58	17.73	17.80					
15	16QAM	36	39	17.69	17.77	17.58	19	2			
15	16QAM	75	0	17.69	17.80	17.70					
15	64QAM	1	0	17.47	17.78	17.53					
15	64QAM	1	37	17.47	17.85	17.66					
15	64QAM	1	74	17.68	17.48	17.67	19	2			
15	64QAM	36	0	16.44	16.76	16.70					
15	64QAM	36	20	16.50	16.78	16.63					
15	64QAM	36	39	16.63	16.70	16.57					
15	64QAM	75	0	16.65	16.87	16.86	18	3			
15	256QAM	1	0	14.54	14.68	14.70					
15	256QAM	1	37	14.53	14.53	14.61					
15	256QAM	1	74	14.72	14.64	14.73					
15	256QAM	36	0	14.62	14.63	14.76	16	5			
15	256QAM	36	20	14.47	14.64	14.70					
15	256QAM	36	39	14.49	14.57	14.55					
15	256QAM	75	0	14.52	14.68	14.54					
Channel				20800	21100	21400	Tune-up limit (dBm)				
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	0	19.64	19.66	19.61	21	0			
10	QPSK	1	25	19.54	19.56	19.56					
10	QPSK	1	49	19.51	19.71	19.69					
10	QPSK	25	0	18.63	18.77	18.67					
10	QPSK	25	12	18.69	18.66	18.65	20	1			
10	QPSK	25	25	18.67	18.66	18.68					
10	QPSK	50	0	18.66	18.68	18.65					
10	16QAM	1	0	18.73	18.70	18.71					
10	16QAM	1	25	18.63	18.61	18.70	20	1			
10	16QAM	1	49	18.66	18.71	18.69					
10	16QAM	25	0	17.71	17.82	17.63					
10	16QAM	25	12	17.62	17.77	17.76					
10	16QAM	25	25	17.69	17.78	17.65	19	2			
10	16QAM	50	0	17.67	17.72	17.69					
10	64QAM	1	0	17.51	17.78	17.50					
10	64QAM	1	25	17.49	17.62	17.61					
10	64QAM	1	49	17.72	17.48	17.69	19	2			
10	64QAM	25	0	16.40	16.73	16.76					
10	64QAM	25	12	16.59	16.78	16.63					
10	64QAM	25	25	16.72	16.62	16.50					
10	64QAM	50	0	16.62	16.77	16.90	18	3			
10	256QAM	1	0	14.47	14.78	14.66					
10	256QAM	1	25	14.61	14.62	14.64					
10	256QAM	1	49	14.69	14.57	14.69					
10	256QAM	25	0	14.81	14.90	14.83	16	5			
10	256QAM	25	12	14.43	14.60	14.72					
10	256QAM	25	25	14.55	14.59	14.56					
10	256QAM	50	0	14.49	14.63	14.40					
Channel				20775	21100	21425	Tune-up limit (dBm)				
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	0	19.73	19.70	19.63	21	0			
5	QPSK	1	12	19.61	19.62	19.58					
5	QPSK	1	24	19.56	19.71	19.60					
5	QPSK	12	0	18.70	18.69	18.65					
5	QPSK	12	7	18.72	18.66	18.59	20	1			
5	QPSK	12	13	18.66	18.70	18.74					
5	QPSK	25	0	18.73	18.73	18.65					
5	16QAM	1	0	18.69	18.67	18.65					
5	16QAM	1	12	18.71	18.71	18.69	20	1			
5	16QAM	1	24	18.63	18.69	18.74					
5	16QAM	12	0	17.64	17.76	17.62					
5	16QAM	12	7	17.65	17.67	17.76					
5	16QAM	12	13	17.69	17.73	17.59	19	2			
5	16QAM	25	0	17.67	17.82	17.69					
5	64QAM	1	0	17.49	17.79	17.50					
5	64QAM	1	12	17.45	17.76	17.71					
5	64QAM	1	24	17.66	17.47	17.62	19	2			
5	64QAM	12	0	16.48	16.79	16.74					
5	64QAM	12	7	16.48	16.69	16.64					
5	64QAM	12	13	16.64	16.66	16.58					
5	64QAM	25	0	16.66	16.81	16.85	18	3			
5	256QAM	1	0	14.48	14.70	14.77					
5	256QAM	1	12	14.62	14.62	14.64					
5	256QAM	1	24	14.71	14.66	14.80					
5	256QAM	12	0	14.75	14.87	14.82	16	5			
5	256QAM	12	7	14.40	14.69	14.70					
5	256QAM	12	13	14.48	14.64	14.58					
5	256QAM	25	0	14.52	14.63	14.49					

Band 71 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				13322	13322	13372					
Frequency (MHz)				670	685	696					
20	QPSK	1	0	22.46	22.56	22.53	24	0			
20	QPSK	1	49	22.35	22.46	22.41					
20	QPSK	1	99	22.36	22.39	22.35					
20	QPSK	50	0	21.47	21.49	21.45					

GSM850 Ant1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		128	189	251	Limit		128	189	251	Limit	
Frequency (MHz)		824.2	836.4	848.6	(dBm)		824.2	836.4	848.6	(dBm)	
GPRS 4 Tx slots		27.76	27.78	27.75	29.00		24.75	24.78	24.75	29.00	

GSM1800 Ant1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		512	861	810	Limit		512	861	810	Limit	
Frequency (MHz)		1800.2	1880	1909.8	(dBm)		1800.2	1880	1909.8	(dBm)	
GPRS 4 Tx slots		23.45	23.47	23.45	24.50		20.45	20.47	20.45	21.50	

Band		WCDMA R Ant1			Tune-up		WCDMA V Ant1			Tune-up	
TX Channel		9262	9400	9538	Limit						
Tx Channel		9462	9600	9638	(dBm)						
Frequency (MHz)		1882.4	1880	1907.8							
3GPP Rel 99 RMC 12.2Kbps		20.77	20.81	20.75	22.00						
							4112	4182	4293	Tune-up	
							4353	4489	4488	Limit	
							826.4	836.4	846.6	(dBm)	
							22.51	22.54	22.53	24.00	

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	24	0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	20.34	20.41	20.38	24	0

Band 5 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				20450	20525	20600	24	0
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.45	22.48	22.42	24	0

Band 26 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				20765	20865	20965	24	0
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.49	22.53	22.51	24	0

GSM1900 Ant2		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	1860	1869.8		1850.2	1860	1869.8	
GPRS 3 Tx slots		26.33	26.38	26.35	27.50	22.07	22.12	22.09	23.24

Band		WCDMA II Ant2			Tune-up	
TX Channel		5262	8400	9538	Limit	
Rx Channel		9862	9800	9938	(dBm)	
Frequency (MHz)		1852.4	1860	1907.6		
SCPP Ref 69	MMC 12.2Mbps	22.66	22.67	22.62	24.00	

Band 2 Ant2								
BW [MHz]	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	1880	1900		
20	QPSK	1	0	22.41	22.45	22.38	24	0

Band 7 Ant2									
BW [MHz]	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	22.56	22.61	22.58	24	0	

Band 7 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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.54	22.56	22.53	24	0

Band 42 FCC Part27Q 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				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.45	22.48	22.41	24	0

Band 42 FCC Part27Q Ant8								
BW [MHz]	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	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.37	22.42	22.41	24	0

Band 42 FCC Part27Q 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				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	17.31	17.38	17.36	19	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				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	17.36	17.37	17.32	19	0

Reduced Power Mode for EC12

GSM850 Ant0		Burst Average Power (dbm)			Tune-up		Frame Average Power (dbm)			Tune-up	
TX Channel		128	189	251	Limit		128	189	251	Limit	
Frequency (MHz)		824.2	836.4	848.6	(dbm)		824.2	836.4	848.6	(dbm)	
GPRS 3 Tx side		29.08	29.11	29.07	31.00		24.82	24.85	24.81	26.74	

Band		WCDMA V Ant0			Tune-up	
TX Channel		4132	4182	4233	Limit	
Rx Channel		4357	4407	4458	(dbm)	
Frequency (MHz)		826.4	836.4	846.6		
3GPP Rel 99		22.81	22.84	22.79	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				20450	20525	20600		
Frequency (MHz)				828	836.5	844		
10	QPSK	1	0	22.43	22.46	22.45	24	0

Band 26 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				26765	26865	26965		
Frequency (MHz)				831.5	831.5	841.5		
15	QPSK	1	0	22.45	22.47	22.44	24	0

GSM850 Ant1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up
TX Channel		128	189	251	Limit		128	189	251	Limit
Frequency (MHz)		824.2	836.4	848.8	(dBm)		824.2	836.4	848.8	(dBm)
GPRS 4 Tx slots		25.35	25.37	25.28			22.35	22.37	22.28	23.60

GSM1800 Ant1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up
TX Channel		512	861	810	Limit		512	861	810	Limit
Frequency (MHz)		1850.2	1880	1909.8	(dBm)		1850.2	1880	1909.8	(dBm)
GPRS 4 Tx slots		20.41	20.45	20.38			17.41	17.45	17.38	18.50

Band		WCDMA 8 Ant1			Tune-up		WCDMA 1 Ant1			Tune-up
TX Channel		5562	8400	5538	Limit		4112	4182	4233	Limit
Rx Channel		5662	8600	5638	(dBm)		4353	4407	4458	(dBm)
Frequency (MHz)		1852.4	1880	1907.8			826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	17.78	17.81	17.75	19.00		22.11	22.15	22.10	23.40

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)				18700	18800	19100		
				1860	1880	1900		
20	QPSK	1	0	17.45	17.51	17.48	18.6	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	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	18.67	18.69	18.63	19.9	0	

Band 5 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)				829	836.5	844		
10	QPSK	1	0	22.45	22.48	22.42	23.5	0

Band 26 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				26765	26865	26965			
				821.5	831.5	841.5			
15	QPSK	1	0	22.49	22.53	22.51	23.5	0	

Band 71 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				133222	133222	133272					
Frequency (MHz)				673	683	686					
20	QPSK	1	0	21.67	21.72	21.68	23	0			
20	QPSK	1	49	21.44	21.62	21.55					
20	QPSK	1	99	21.50	21.55	21.42					
20	QPSK	50	0	20.62	20.68	20.65	22	1			
20	QPSK	50	24	20.44	20.54	20.50					
20	QPSK	50	50	20.46	20.48	20.45					
20	QPSK	100	0	20.61	20.66	20.65	22	1			
20	16QAM	1	0	20.79	20.78	20.83					
20	16QAM	1	49	20.93	20.89	20.86					
20	16QAM	1	99	20.88	20.97	20.75	21	2			
20	16QAM	50	0	19.45	19.50	19.37					
20	16QAM	50	24	19.38	19.51	19.37					
20	16QAM	50	50	19.38	19.53	19.47	21	2			
20	16QAM	100	0	19.36	19.53	19.35					
20	64QAM	1	0	19.62	19.69	19.59					
20	64QAM	1	49	19.72	19.68	19.55	21	2			
20	64QAM	1	99	19.51	19.80	19.82					
20	64QAM	50	0	18.54	18.53	18.39					
20	64QAM	50	24	18.44	18.50	18.45	20	3			
20	64QAM	50	50	18.42	18.55	18.47					
20	64QAM	100	0	18.26	18.33	18.39					
20	256QAM	1	0	16.50	16.55	16.54	18	5			
20	256QAM	1	49	16.42	16.55	16.70					
20	256QAM	1	99	16.57	16.65	16.54					
20	256QAM	50	0	16.39	16.34	16.45	18	5			
20	256QAM	50	24	16.31	16.42	16.26					
20	256QAM	50	50	16.29	16.41	16.41					
20	256QAM	100	0	16.28	16.52	16.27					
Channel				133197	133297	133397					
Frequency (MHz)				681.5	684.5	684.5	Tune-up limit (dBm)	MPR (dB)			
15	QPSK	1	0	21.61	21.64	21.55	23	0			
15	QPSK	1	37	21.44	21.68	21.50					
15	QPSK	1	74	21.47	21.59	21.49					
15	QPSK	36	0	20.54	20.65	20.55	22	1			
15	QPSK	36	20	20.46	20.55	20.43					
15	QPSK	36	39	20.40	20.52	20.52					
15	QPSK	75	0	20.56	20.60	20.47	22	1			
15	16QAM	1	0	20.71	20.83	20.90					
15	16QAM	1	37	20.93	20.87	20.81					
15	16QAM	1	74	20.88	20.99	20.74	21	2			
15	16QAM	36	0	19.39	19.55	19.38					
15	16QAM	36	20	19.32	19.46	19.41					
15	16QAM	36	39	19.40	19.44	19.44	21	2			
15	16QAM	75	0	19.36	19.53	19.43					
15	64QAM	1	0	19.65	19.68	19.68					
15	64QAM	1	37	19.65	19.70	19.62	20	3			
15	64QAM	1	74	19.60	19.75	19.75					
15	64QAM	36	0	18.56	18.46	18.37					
15	64QAM	36	20	18.50	18.57	18.54	18	5			
15	64QAM	36	39	18.41	18.51	18.50					
15	64QAM	75	0	18.27	18.38	18.40					
15	256QAM	1	0	16.49	16.62	16.62	18	5			
15	256QAM	1	37	16.40	16.60	16.61					
15	256QAM	1	74	16.56	16.64	16.58					
15	256QAM	36	0	16.38	16.36	16.42	18	5			
15	256QAM	36	20	16.25	16.52	16.27					
15	256QAM	36	39	16.21	16.40	16.35					
15	256QAM	75	0	16.29	16.52	16.33					
Channel				133172	133272	133422					
Frequency (MHz)				668	678	693	Tune-up limit (dBm)	MPR (dB)			
10	QPSK	1	0	21.63	21.63	21.62	23	0			
10	QPSK	1	25	21.51	21.66	21.50					
10	QPSK	1	49	21.54	21.57	21.42					
10	QPSK	25	0	20.55	20.68	20.59	22	1			
10	QPSK	25	12	20.46	20.51	20.47					
10	QPSK	25	25	20.39	20.49	20.43					
10	QPSK	50	0	20.53	20.62	20.48	22	1			
10	16QAM	1	0	20.82	20.82	20.93					
10	16QAM	1	25	20.89	20.95	20.76					
10	16QAM	1	49	20.84	20.94	20.71	21	2			
10	16QAM	25	0	19.38	19.51	19.36					
10	16QAM	25	12	19.39	19.48	19.39					
10	16QAM	25	25	19.41	19.54	19.44	21	2			
10	16QAM	50	0	19.42	19.57	19.42					
10	64QAM	1	0	19.57	19.68	19.63					
10	64QAM	1	25	19.69	19.59	19.58	20	3			
10	64QAM	1	49	19.57	19.77	19.78					
10	64QAM	25	0	18.55	18.45	18.47					
10	64QAM	25	12	18.44	18.48	18.53	18	5			
10	64QAM	25	25	18.38	18.58	18.52					
10	64QAM	50	0	18.26	18.36	18.37					
10	256QAM	1	0	16.44	16.62	16.58	18	5			
10	256QAM	1	25	16.42	16.53	16.68					
10	256QAM	1	49	16.52	16.59	16.59					
10	256QAM	25	0	16.32	16.36	16.42	18	5			
10	256QAM	25	12	16.31	16.44	16.32					
10	256QAM	25	25	16.26	16.45	16.43					
10	256QAM	50	0	16.35	16.56	16.31					
Channel				133147	133247	133447					
Frequency (MHz)				665.5	675.5	695.5	Tune-up limit (dBm)	MPR (dB)			
5	QPSK	1	0	21.61	21.70	21.57	23	0			
5	QPSK	1	12	21.44	21.58	21.48					
5	QPSK	1	24	21.48	21.65	21.49					
5	QPSK	12	0	20.66	20.66	20.54	22	1			
5	QPSK	12	7	20.43	20.60	20.39					
5	QPSK	12	13	20.46	20.45	20.45					
5	QPSK	25	0	20.49	20.60	20.49	22	1			
5	16QAM	1	0	20.74	20.80	20.82					
5	16QAM	1	12	20.86	20.97	20.88					
5	16QAM	1	24	20.88	20.93	20.76	21	2			
5	16QAM	12	0	19.39	19.53	19.36					
5	16QAM	12	7	19.37	19.52	19.37					
5	16QAM	12	13	19.38	19.54	19.50	21	2			
5	16QAM	25	0	19.40	19.52	19.36					
5	64QAM	1	0	19.63	19.72	19.67					
5	64QAM	1	12	19.72	19.60	19.57	20	3			
5	64QAM	1	24	19.62	19.62	19.79					
5	64QAM	12	0	18.61	18.50	18.48					
5	64QAM	12	7	18.46	18.54	18.46	18	5			
5	64QAM	12	13	18.42	18.52	18.42					
5	64QAM	25	0	18.30	18.34	18.32					
5	256QAM	1	0	16.46	16.52	16.54	18	5			
5	256QAM	1	12	16.43	16.53	16.64					
5	256QAM	1	24	16.53	16.65	16.60					
5	256QAM	12	0	16.34	16.34	16.39	18	5			
5	256QAM	12	7	16.26	16.45	16.29					
5	256QAM	12	13	16.29	16.36	16.32					
5	256QAM	25	0	16.25	16.49	16.26					

GSM1900 Ant2		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	1860	1869.8		1850.2	1860	1869.8	
GPRS 3 Tx slots		26.33	26.38	26.35	27.50	22.07	22.12	22.09	23.24

Band		WCDMA II Ant2			Tune-up	
TX Channel		5262	8400	9538	Limit	
Rx Channel		9862	9800	9938	(dBm)	
Frequency (MHz)		1852.4	1860	1907.6		
SCPP Ref 69	RMC 12.2Mbps	22.66	22.67	22.62	24.06	

Band 2 Ant2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up ant (dBm)	MPR (dB)
Channel				18700	18800	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	22.41	22.45	22.38	24	0

Band 7 Ant2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up ant (dBm)	MPR (dB)
Channel				20550	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.56	22.61	22.58	24	0

Band 7 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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.67	20.62	20.61	21.6	0

Band 42 FCC Part27Q 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				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	18.57	18.62	18.61		

Band 42 FCC Part27Q Ant8								
BW [MHz]	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	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.37	22.42	22.41	24	0

Band 42 FCC Part27Q 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				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	15.55	15.59	15.57	16.6	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				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	17.36	17.37	17.36	19	0

Reduced Power Mode for EC13

GSM850 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)		814.2	818.4	848.8		814.2	818.4	848.8	
GPRS-3 Tx slots		29.08	29.11	29.07	30.00	24.82	24.85	24.81	25.74

Band		WCDMA V Ant0			Tune-up Limit (dbm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 98	RMN-12.2Kbps	22.81	22.84	22.75	24.00

Band 5 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)	MPR (dB)
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.		
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.43	22.46	22.45	24	0

Band 26 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit	MPR
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				26765	26865	26965	(dBm)	(dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.45	22.47	22.44	24	0

GSM850 Ant1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up
TX Channel		128	169	251	Limit		128	169	251	Limit
Frequency (MHz)		824.2	836.4	848.8	(dBm)		824.2	836.4	848.8	(dBm)
GPRS 4 Tx slots		25.28	25.35	25.32			22.28	22.35	22.32	23.60

GSM1800 Ant1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up
TX Channel		512	861	810	Limit		512	861	810	Limit
Frequency (MHz)		1850.2	1860	1809.8	(dBm)		1850.2	1860	1809.8	(dBm)
GPRS 4 Tx slots		19.37	19.38	19.32			16.37	16.38	16.32	17.60

Band		WCDMA 8 Ant1			Tune-up		WCDMA 5 Ant1			Tune-up
TX Channel		5562	8400	9538	Limit		4132	4162	4233	Limit
Rx Channel		9662	9800	9038	(dBm)		4327	4407	4488	(dBm)
Frequency (MHz)		1852.4	1880	1907.8			826.4	838.4	846.6	
3GPP Rel 99		RMC 12.2Kbps	16.88	16.92	16.89	18.20	21.55	21.58	21.57	22.90

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	1880	1900			
20	QPSK	1	0	16.52	16.56	16.53	17.6	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				20500	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	16.19	16.25	16.21	17.1	0	

Band 5 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				20450	20525	20500			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	21.47	21.51	21.49	22.7	0	

Band 26 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				20765	20865	20865			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	21.52	21.55	21.51	22.7	0	

Band 71 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				133222	133322	133372	23	0	
Frequency (MHz)				673	683	688			
20	QPSK	1	0	21.67	21.72	21.68	22	1	
20	QPSK	1	49	21.44	21.62	21.55			
20	QPSK	1	99	21.50	21.55	21.42			
20	QPSK	50	0	20.62	20.68	20.65			
20	QPSK	50	24	20.44	20.54	20.50			
20	QPSK	50	50	20.46	20.48	20.45			
20	QPSK	100	0	20.61	20.66	20.65	22	1	
20	16QAM	1	0	20.79	20.76	20.83			
20	16QAM	1	49	20.93	20.89	20.86			
20	16QAM	1	99	20.88	20.97	20.75			
20	16QAM	50	0	19.45	19.50	19.37			
20	16QAM	50	24	19.38	19.51	19.37			
20	16QAM	50	50	19.38	19.53	19.47	21	2	
20	16QAM	100	0	19.36	19.53	19.35			
20	64QAM	1	0	19.62	19.69	19.59			
20	64QAM	1	49	19.72	19.68	19.55			
20	64QAM	1	99	19.51	19.80	19.82			
20	64QAM	50	0	18.54	18.53	18.39			
20	64QAM	50	24	18.44	18.50	18.45	20	3	
20	64QAM	50	50	18.42	18.55	18.47			
20	64QAM	100	0	18.26	18.33	18.39			
20	256QAM	1	0	16.50	16.55	16.54			
20	256QAM	1	49	16.42	16.55	16.70			
20	256QAM	1	99	16.57	16.65	16.54			
20	256QAM	50	0	16.39	16.34	16.45	18	5	
20	256QAM	50	24	16.31	16.42	16.26			
20	256QAM	50	50	16.29	16.41	16.41			
20	256QAM	100	0	16.28	16.52	16.27			
Channel				133197	133297	133397	23	0	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	21.61	21.64	21.55	22	1	
15	QPSK	1	37	21.44	21.68	21.50			
15	QPSK	1	74	21.47	21.59	21.49			
15	QPSK	36	0	20.54	20.65	20.55			
15	QPSK	36	20	20.46	20.55	20.43			
15	QPSK	36	39	20.40	20.52	20.52			
15	QPSK	75	0	20.56	20.60	20.47	22	1	
15	16QAM	1	0	20.71	20.83	20.90			
15	16QAM	1	37	20.93	20.87	20.81			
15	16QAM	1	74	20.86	20.99	20.74			
15	16QAM	36	0	19.39	19.55	19.38			
15	16QAM	36	20	19.32	19.46	19.41			
15	16QAM	36	39	19.40	19.44	19.44	21	2	
15	16QAM	75	0	19.36	19.53	19.43			
15	64QAM	1	0	19.65	19.68	19.68			
15	64QAM	1	37	19.65	19.70	19.62			
15	64QAM	1	74	19.60	19.75	19.75			
15	64QAM	36	0	18.56	18.46	18.37			
15	64QAM	36	20	18.50	18.57	18.54	20	3	
15	64QAM	36	39	18.41	18.51	18.50			
15	64QAM	75	0	18.27	18.38	18.40			
15	256QAM	1	0	16.49	16.62	16.62			
15	256QAM	1	37	16.40	16.60	16.61			
15	256QAM	1	74	16.56	16.64	16.58			
15	256QAM	36	0	16.38	16.36	16.42	18	5	
15	256QAM	36	20	16.25	16.52	16.27			
15	256QAM	36	39	16.21	16.40	16.35			
15	256QAM	75	0	16.29	16.52	16.33			
Channel				133172	133272	133322	23	0	
Frequency (MHz)				668	678	693			
10	QPSK	1	0	21.63	21.63	21.62	22	1	
10	QPSK	1	25	21.51	21.66	21.50			
10	QPSK	1	49	21.54	21.57	21.42			
10	QPSK	25	0	20.55	20.68	20.59			
10	QPSK	25	12	20.46	20.51	20.47			
10	QPSK	25	25	20.39	20.49	20.43			
10	QPSK	50	0	20.53	20.62	20.48	22	1	
10	16QAM	1	0	20.82	20.82	20.93			
10	16QAM	1	25	20.89	20.95	20.76			
10	16QAM	1	49	20.84	20.94	20.71			
10	16QAM	25	0	19.38	19.51	19.36			
10	16QAM	25	12	19.36	19.46	19.39			
10	16QAM	25	25	19.41	19.54	19.44	21	2	
10	16QAM	50	0	19.42	19.57	19.42			
10	64QAM	1	0	19.57	19.68	19.63			
10	64QAM	1	25	19.69	19.59	19.58			
10	64QAM	1	49	19.57	19.77	19.78			
10	64QAM	25	0	18.55	18.45	18.47			
10	64QAM	25	12	18.44	18.48	18.53	20	3	
10	64QAM	25	25	18.38	18.58	18.52			
10	64QAM	50	0	18.26	18.36	18.37			
10	256QAM	1	0	16.44	16.62	16.58			
10	256QAM	1	25	16.42	16.53	16.68			
10	256QAM	1	49	16.52	16.59	16.59			
10	256QAM	25	0	16.32	16.36	16.42	18	5	
10	256QAM	25	12	16.31	16.44	16.32			
10	256QAM	25	25	16.26	16.45	16.43			
10	256QAM	50	0	16.35	16.56	16.31			
Channel				133147	133247	133447	23	0	
Frequency (MHz)				665.5	675.5	695.5			
5	QPSK	1	0	21.61	21.70	21.57	22	1	
5	QPSK	1	12	21.44	21.58	21.48			
5	QPSK	1	24	21.48	21.65	21.49			
5	QPSK	12	0	20.56	20.66	20.54			
5	QPSK	12	7	20.43	20.60	20.39			
5	QPSK	12	13	20.46	20.45	20.45			
5	QPSK	25	0	20.49	20.60	20.49	22	1	
5	16QAM	1	0	20.74	20.60	20.82			
5	16QAM	1	12	20.86	20.97	20.88			
5	16QAM	1	24	20.88	20.93	20.76			
5	16QAM	12	0	19.39	19.53	19.36			
5	16QAM	12	7	19.37	19.52	19.37			
5	16QAM	12	13	19.38	19.54	19.50	21	2	
5	16QAM	25	0	19.40	19.52	19.36			
5	64QAM	1	0	19.63	19.72	19.67			
5	64QAM	1	12	19.72	19.60	19.57			
5	64QAM	1	24	19.62	19.82	19.79			
5	64QAM	12	0	18.61	18.50	18.48			
5	64QAM	12	7	18.46	18.54	18.46	20	3	
5	64QAM	12	13	18.42	18.52	18.42			
5	64QAM	25	0	18.30	18.34	18.32			
5	256QAM	1	0	16.46	16.52	16.54			
5	256QAM	1	12	16.43	16.53	16.64			
5	256QAM	1	24	16.53	16.65	16.60			
5	256QAM	12	0	16.34	16.34	16.39	18	5	
5	256QAM	12	7	16.26	16.45	16.29			
5	256QAM	12	13	16.29	16.36	16.32			
5	256QAM	25	0	16.25	16.49	16.26			

GSM1900 Ant2		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	1860	1909.8		1850.2	1860	1909.8	
GPRS 4 Tx slots		23.32	23.35	23.32	24.40	19.06	19.09	19.06	20.14

Band		WCDMA 1 Ant2			Tune-up	
TX Channel		5262	8400	9538	Limit	
Rx Channel		9862	9800	9938	(dBm)	
Frequency (MHz)		1852.4	1860	1907.6		
SCPP Ref 69	RMC 12.2Mbps	20.18	20.21	20.19	21.58	

Band 2 Ant2								
BW [MHz]	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	1880	1900		
20	QPSK	1	0	20.01	20.06	20.04	21.1	0

Band 7 Ant2									
BW [MHz]	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	18.66	18.71	18.68	19.7	0	

Band 7 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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.19	19.23	19.17	20.2	0

Band 42 FCC Part27Q 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				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	19.43	19.45	19.44	20.4	0

Band 42 FCC Part27Q Ant8								
BW [MHz]	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)				3460	3500	3540		
20	QPSK	1	0	22.37	22.42	22.41	24	0

Band 42 FCC Part27Q 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				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	15.02	15.05	15.01	16.4	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				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	17.36	17.37	17.32	19	0

Reduced Power Mode for ECI4

GSM850 Aerb		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	848.6		824.2	836.4	848.6	
GPRS 3 Tx slots		29.08	29.11	29.07	31.00	24.82	24.85	24.81	26.74

Band		WCDMA V Aerb			Tune-up Limit (dBm)
TX Channel		4132	4162	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	22.81	22.84	22.79	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				824.60	20025	20050		
Frequency (MHz)				829	838.5	844		
10	QPSK	1	0	22.43	22.46	22.45	24	0

Band 26 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				26745	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.45	22.47	22.44	24	0

GSM850 Ant1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		128	189	251	Limit		128	189	251	Limit	
Frequency (MHz)		824.2	836.4	848.6	(dBm)		824.2	836.4	848.6	(dBm)	
GPRS 4 Tx slots		27.76	27.78	27.75	29.00		24.75	24.78	24.75	29.00	

GSM1800 Ant1		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		512	861	810	Limit		512	861	810	Limit	
Frequency (MHz)		1800.2	1880	1909.8	(dBm)		1800.2	1880	1909.8	(dBm)	
GPRS 4 Tx slots		23.45	23.47	23.45	24.50		20.45	20.47	20.45	21.50	

Band		WCDMA R Ant1			Tune-up Limit (dBm)	WCDMA V Ant1				Tune-up Limit (dBm)	
TX Channel		5262	9400	9538							
Rx Channel		9692	9800	9938							
Frequency (MHz)		1852.4	1880	1907.6							
3GPP Rel 99	RMC 12.2Kbps	20.77	20.81	20.75	22.00			22.51	22.54	22.53	24.00

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)				18700	1880	1900		
20	QPSK	1	0	20.34	20.41	20.38	24	0

Band 5 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				20450	20500	20500		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.45	22.48	22.42	24	0

Band 26 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				20765	20865	20965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.49	22.53	22.51	24	0

GSM1900 Ant2		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	1860	1869.8		1850.2	1860	1869.8	
GPRS 3 Tx slots		26.33	26.38	26.35	27.50	22.07	22.12	22.09	23.24

Band		WCDMA II Ant2			Tune-up	
TX Channel		5262	8400	9538	Limit	
Rx Channel		9862	9800	9938	(dBm)	
Frequency (MHz)		1852.4	1860	1907.6		
SCPP Ref 69	RMC 12.2Mbps	22.66	22.67	22.62	24.00	

Band 2 Ant2								
BW [MHz]	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	1880	1900		
20	QPSK	1	0	22.41	22.45	22.38	24	0

Band 7 Ant2									
BW [MHz]	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	22.56	22.61	22.58	24	0	

Band 7 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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	16.81	16.85	16.83	18	0

Band 42 FCC Part27Q 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				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.45	22.48	22.41	24	0

Band 42 FCC Part27Q Ant8								
BW [MHz]	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	42990	42990	24	0
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.37	22.42	22.41		

Band 42 FCC Part27Q 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				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	17.31	17.38	17.36	19	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				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	17.36	17.37	17.32	19	0

Reduced Power Mode for ECI6

GSM850 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	848.6		824.2	836.4	848.6	
GPRS 3 Tx side	29.08	29.11	29.07	31.00	24.62	24.65	24.81	26.74

Band	WCDMA V Ant0			Tune-up Limit (dBm)
	TX Channel	4132	4182	4233
Rx Channel	4307	4407	4458	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	22.81	22.84	22.79
				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				80450	80965	81500		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.43	22.46	22.45	24	0

Band 26 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				26785	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.45	22.47	22.44	24	0

Band 7 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				20650	21100	21550			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.75	19.79	19.72	21	0	
20	QPSK	1	49	19.57	19.66	19.55			
20	QPSK	1	99	19.62	19.68	19.71			
20	QPSK	50	0	18.75	18.77	18.73			
20	QPSK	50	24	18.76	18.80	18.73	20	1	
20	QPSK	50	50	18.71	18.75	18.72			
20	QPSK	100	0	18.72	18.76	18.71			
20	16QAM	1	0	18.71	18.75	18.76			
20	16QAM	1	49	18.69	18.71	18.80	20	1	
20	16QAM	1	99	18.67	18.72	18.76			
20	16QAM	50	0	17.75	17.85	17.88			
20	16QAM	50	24	17.86	17.79	17.77			
20	16QAM	50	50	17.74	17.78	17.73	19	2	
20	16QAM	100	0	17.82	17.86	17.83			
20	64QAM	1	0	17.61	17.88	17.60			
20	64QAM	1	49	17.59	17.87	17.69			
20	64QAM	1	99	17.74	17.80	17.72	19	2	
20	64QAM	50	0	16.49	16.86	16.80			
20	64QAM	50	24	16.53	16.80	16.61			
20	64QAM	50	50	16.76	16.65	16.58			
20	64QAM	100	0	16.65	16.89	16.91	18	3	
20	256QAM	1	0	14.56	14.83	14.77			
20	256QAM	1	49	14.68	14.67	14.76			
20	256QAM	1	99	14.73	14.64	14.75			
20	256QAM	50	0	14.78	14.95	14.86	16	5	
20	256QAM	50	24	14.47	14.78	14.77			
20	256QAM	50	50	14.55	14.73	14.59			
20	256QAM	100	0	14.58	14.67	14.54			
Channel				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.70	19.76	19.66	21	0	
15	QPSK	1	37	19.51	19.59	19.48			
15	QPSK	1	74	19.54	19.62	19.62			
15	QPSK	36	0	18.62	18.75	18.69			
15	QPSK	36	20	18.72	18.63	18.67	20	1	
15	QPSK	36	39	18.67	18.63	18.72			
15	QPSK	75	0	18.74	18.74	18.66			
15	16QAM	1	0	18.70	18.69	18.69			
15	16QAM	1	37	18.68	18.62	18.69	20	1	
15	16QAM	1	74	18.63	18.71	18.68			
15	16QAM	36	0	17.67	17.85	17.55			
15	16QAM	36	20	17.58	17.73	17.80			
15	16QAM	36	39	17.69	17.77	17.58	19	2	
15	16QAM	75	0	17.69	17.80	17.70			
15	64QAM	1	0	17.47	17.78	17.53			
15	64QAM	1	37	17.47	17.85	17.66			
15	64QAM	1	74	17.68	17.48	17.67	19	2	
15	64QAM	36	0	16.44	16.76	16.70			
15	64QAM	36	20	16.50	16.78	16.63			
15	64QAM	36	39	16.63	16.70	16.57			
15	64QAM	75	0	16.65	16.87	16.86	18	3	
15	256QAM	1	0	14.54	14.68	14.70			
15	256QAM	1	37	14.53	14.53	14.61			
15	256QAM	1	74	14.72	14.64	14.73			
15	256QAM	36	0	14.62	14.63	14.76	16	5	
15	256QAM	36	20	14.47	14.64	14.70			
15	256QAM	36	39	14.49	14.57	14.55			
15	256QAM	75	0	14.52	14.68	14.54			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.64	19.66	19.61	21	0	
10	QPSK	1	25	19.54	19.56	19.56			
10	QPSK	1	49	19.51	19.71	19.69			
10	QPSK	25	0	18.63	18.77	18.67			
10	QPSK	25	12	18.69	18.66	18.65	20	1	
10	QPSK	25	25	18.67	18.66	18.68			
10	QPSK	50	0	18.66	18.68	18.65			
10	16QAM	1	0	18.73	18.70	18.71			
10	16QAM	1	25	18.63	18.61	18.70	20	1	
10	16QAM	1	49	18.66	18.71	18.69			
10	16QAM	25	0	17.71	17.82	17.63			
10	16QAM	25	12	17.62	17.77	17.76			
10	16QAM	25	25	17.69	17.78	17.65	19	2	
10	16QAM	50	0	17.67	17.72	17.69			
10	64QAM	1	0	17.51	17.78	17.50			
10	64QAM	1	25	17.49	17.82	17.61			
10	64QAM	1	49	17.72	17.48	17.69	19	2	
10	64QAM	25	0	16.40	16.73	16.76			
10	64QAM	25	12	16.59	16.78	16.63			
10	64QAM	25	25	16.72	16.62	16.50			
10	64QAM	50	0	16.62	16.77	16.90	18	3	
10	256QAM	1	0	14.47	14.78	14.66			
10	256QAM	1	25	14.61	14.62	14.64			
10	256QAM	1	49	14.69	14.57	14.69			
10	256QAM	25	0	14.81	14.90	14.83	16	5	
10	256QAM	25	12	14.43	14.60	14.72			
10	256QAM	25	25	14.55	14.59	14.56			
10	256QAM	50	0	14.49	14.63	14.40			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.73	19.70	19.63	21	0	
5	QPSK	1	12	19.61	19.62	19.58			
5	QPSK	1	24	19.56	19.71	19.60			
5	QPSK	12	0	18.70	18.69	18.65			
5	QPSK	12	7	18.72	18.66	18.59	20	1	
5	QPSK	12	13	18.66	18.70	18.74			
5	QPSK	25	0	18.73	18.73	18.65			
5	16QAM	1	0	18.69	18.67	18.65			
5	16QAM	1	12	18.71	18.71	18.69	20	1	
5	16QAM	1	24	18.63	18.69	18.74			
5	16QAM	12	0	17.64	17.76	17.62			
5	16QAM	12	7	17.65	17.67	17.76			
5	16QAM	12	13	17.69	17.73	17.59	19	2	
5	16QAM	25	0	17.67	17.82	17.69			
5	64QAM	1	0	17.49	17.79	17.50			
5	64QAM	1	12	17.45	17.76	17.71			
5	64QAM	1	24	17.66	17.47	17.62	19	2	
5	64QAM	12	0	16.48	16.79	16.74			
5	64QAM	12	7	16.48	16.69	16.64			
5	64QAM	12	13	16.64	16.66	16.58			
5	64QAM	25	0	16.66	16.81	16.85	18	3	
5	256QAM	1	0	14.48	14.70	14.77			
5	256QAM	1	12	14.62	14.62	14.64			
5	256QAM	1	24	14.71	14.66	14.80			
5	256QAM	12	0	14.75	14.87	14.82	16	5	
5	256QAM	12	7	14.40	14.69	14.70			
5	256QAM	12	13	14.48	14.64	14.58			
5	256QAM	25	0	14.52	14.63	14.49			

Band 71 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				13322	13322	13372			
Frequency (MHz)				670	685	696			
20	QPSK	1	0	22.46	22.56	22.53	24	0	
20	QPSK	1	49	22.35	22.46	22.41			
20	QPSK	1	99	22.36	22.39	22.35			
20	QPSK	50	0	21.47	21.49	21.45			
20	QPSK	50	24	21.36	21.38	21.			

GSM850 Ant1				Burst Average Power (dBm)				Tune-up				Frame Average Power (dBm)				Tune-up	
TX Channel				Limit				Limit				Limit				Limit	
Frequency (MHz)				(dBm)				(dBm)				(dBm)				(dBm)	
GPRS 4 Tx slots				27.76	27.76	27.75		29.00	24.75	24.75	24.75	24.75	24.75	24.75		29.00	

GSM1800 Ant1				Burst Average Power (dBm)				Tune-up				Frame Average Power (dBm)				Tune-up	
TX Channel				Limit				Limit				Limit				Limit	
Frequency (MHz)				(dBm)				(dBm)				(dBm)				(dBm)	
GPRS 4 Tx slots				23.45	23.47	23.45		24.50	20.45	20.47	20.45	20.45	20.47	20.45		21.50	

Band				WCDMA 8 Ant1				Tune-up				WCDMA 1 Ant1				Tune-up	
TX Channel				Limit				Limit				Limit				Limit	
Rx Channel				(dBm)				(dBm)				(dBm)				(dBm)	
Frequency (MHz)				(dBm)				(dBm)				(dBm)				(dBm)	
SGPP Rel 99				20.33	20.35	20.27		21.40				22.51	22.54	22.53		24.00	

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	20.34	20.41	20.38	21.5	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											
Frequency (MHz)											
20	QPSK	1	0	20.22	20.25	20.21	21.5	0			

Band 5 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)								
10	QPSK	1	0	22.45	22.48	22.42	24	0

Band 26 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)								
15	QPSK	1	0	22.49	22.53	22.51	24	0

Band 71 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				133222	133322	133372					
Frequency (MHz)				673	683	688					
20	QPSK	1	0	21.67	21.72	21.68	23	0			
20	QPSK	1	49	21.44	21.62	21.55					
20	QPSK	1	99	21.50	21.55	21.42					
20	QPSK	50	0	20.62	20.68	20.65	22	1			
20	QPSK	50	24	20.44	20.54	20.50					
20	QPSK	50	50	20.46	20.48	20.45					
20	QPSK	100	0	20.61	20.66	20.65	22	1			
20	16QAM	1	0	20.79	20.78	20.83					
20	16QAM	1	49	20.93	20.89	20.86					
20	16QAM	1	99	20.88	20.97	20.75	21	2			
20	16QAM	50	0	19.45	19.50	19.37					
20	16QAM	50	24	19.38	19.51	19.37					
20	16QAM	50	50	19.38	19.53	19.47	21	2			
20	16QAM	100	0	19.36	19.53	19.35					
20	64QAM	1	0	19.62	19.69	19.59					
20	64QAM	1	49	19.72	19.68	19.55	21	2			
20	64QAM	1	99	19.51	19.80	19.82					
20	64QAM	50	0	18.54	18.53	18.39					
20	64QAM	50	24	18.44	18.50	18.45	20	3			
20	64QAM	50	50	18.42	18.55	18.47					
20	64QAM	100	0	18.26	18.33	18.39					
20	256QAM	1	0	16.50	16.55	16.54	18	5			
20	256QAM	1	49	16.42	16.55	16.70					
20	256QAM	1	99	16.57	16.05	16.54					
20	256QAM	50	0	16.39	16.34	16.45	18	5			
20	256QAM	50	24	16.31	16.42	16.26					
20	256QAM	50	50	16.29	16.41	16.41					
20	256QAM	100	0	16.28	16.52	16.27	133197	133297	133397		
Channel				670.5 <th>680.5<th>690.5<th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></th></th>	680.5 <th>690.5<th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></th>	690.5 <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>					
Frequency (MHz)				670.5 <th>680.5<th>690.5<th data-cs="3" data-kind="parent">Tune-up limit (dBm)</th><th data-kind="ghost"></th><th data-kind="ghost"></th></th></th>	680.5 <th>690.5<th data-cs="3" data-kind="parent">Tune-up limit (dBm)</th><th data-kind="ghost"></th><th data-kind="ghost"></th></th>	690.5 <th data-cs="3" data-kind="parent">Tune-up limit (dBm)</th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Tune-up limit (dBm)				
15	QPSK	1	0	21.61	21.64	21.55	23	0			
15	QPSK	1	37	21.44	21.68	21.50					
15	QPSK	1	74	21.47	21.59	21.49					
15	QPSK	36	0	20.54	20.65	20.55	22	1			
15	QPSK	36	20	20.46	20.55	20.43					
15	QPSK	36	39	20.40	20.52	20.52					
15	QPSK	75	0	20.56	20.60	20.47	22	1			
15	16QAM	1	0	20.71	20.83	20.90					
15	16QAM	1	37	20.93	20.87	20.81					
15	16QAM	1	74	20.88	20.99	20.74	21	2			
15	16QAM	36	0	19.39	19.55	19.38					
15	16QAM	36	20	19.32	19.46	19.41					
15	16QAM	36	39	19.40	19.44	19.44	21	2			
15	16QAM	75	0	19.36	19.53	19.43					
15	64QAM	1	0	19.65	19.68	19.68					
15	64QAM	1	37	19.65	19.70	19.62	21	2			
15	64QAM	1	74	19.60	19.75	19.75					
15	64QAM	36	0	18.56	18.46	18.37					
15	64QAM	36	20	18.50	18.57	18.54	20	3			
15	64QAM	36	39	18.41	18.51	18.50					
15	64QAM	75	0	18.27	18.38	18.40					
15	256QAM	1	0	16.49	16.62	16.62	18	5			
15	256QAM	1	37	16.40	16.80	16.81					
15	256QAM	1	74	16.56	16.64	16.58					
15	256QAM	36	0	16.38	16.36	16.42	18	5			
15	256QAM	36	20	16.25	16.52	16.27					
15	256QAM	36	39	16.21	16.40	16.35					
15	256QAM	75	0	16.29	16.52	16.33	133172	133272	133422		
Channel				668 <th>676<th>693<th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></th></th>	676 <th>693<th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></th>	693 <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>					
Frequency (MHz)				668 <th>676<th>693<th data-cs="3" data-kind="parent">Tune-up limit (dBm)</th><th data-kind="ghost"></th><th data-kind="ghost"></th></th></th>	676 <th>693<th data-cs="3" data-kind="parent">Tune-up limit (dBm)</th><th data-kind="ghost"></th><th data-kind="ghost"></th></th>	693 <th data-cs="3" data-kind="parent">Tune-up limit (dBm)</th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Tune-up limit (dBm)				
10	QPSK	1	0	21.63	21.63	21.62	23	0			
10	QPSK	1	25	21.51	21.66	21.50					
10	QPSK	1	49	21.54	21.57	21.42					
10	QPSK	25	0	20.55	20.88	20.56	22	1			
10	QPSK	25	12	20.46	20.51	20.47					
10	QPSK	25	25	20.39	20.49	20.43					
10	QPSK	50	0	20.53	20.62	20.48	22	1			
10	16QAM	1	0	20.82	20.82	20.93					
10	16QAM	1	25	20.89	20.95	20.76					
10	16QAM	1	49	20.84	20.94	20.71	21	2			
10	16QAM	25	0	19.38	19.51	19.36					
10	16QAM	25	12	19.39	19.48	19.39					
10	16QAM	25	25	19.41	19.54	19.44	21	2			
10	16QAM	50	0	19.42	19.57	19.42					
10	64QAM	1	0	19.57	19.68	19.63					
10	64QAM	1	25	19.69	19.59	19.58	21	2			
10	64QAM	1	49	19.57	19.77	19.78					
10	64QAM	25	0	18.55	18.45	18.47					
10	64QAM	25	12	18.44	18.48	18.53	20	3			
10	64QAM	25	25	18.38	18.58	18.52					
10	64QAM	50	0	18.26	18.36	18.37					
10	256QAM	1	0	16.44	16.62	16.58	18	5			
10	256QAM	1	25	16.42	16.53	16.68					
10	256QAM	1	49	16.52	16.59	16.59					
10	256QAM	25	0	16.32	16.36	16.42	18	5			
10	256QAM	25	12	16.31	16.44	16.32					
10	256QAM	25	25	16.26	16.45	16.43					
10	256QAM	50	0	16.35	16.56	16.31	133147	133247	133447		
Channel				665.5 <th>675.5<th>685.5<th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></th></th>	675.5 <th>685.5<th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></th>	685.5 <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>					
Frequency (MHz)				665.5 <th>675.5<th>685.5<th data-cs="3" data-kind="parent">Tune-up limit (dBm)</th><th data-kind="ghost"></th><th data-kind="ghost"></th></th></th>	675.5 <th>685.5<th data-cs="3" data-kind="parent">Tune-up limit (dBm)</th><th data-kind="ghost"></th><th data-kind="ghost"></th></th>	685.5 <th data-cs="3" data-kind="parent">Tune-up limit (dBm)</th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	Tune-up limit (dBm)				
5	QPSK	1	0	21.61	21.70	21.57	23	0			
5	QPSK	1	12	21.44	21.58	21.48					
5	QPSK	1	24	21.48	21.65	21.49					
5	QPSK	12	0	20.56	20.66	20.54	22	1			
5	QPSK	12	7	20.43	20.60	20.39					
5	QPSK	12	13	20.46	20.45	20.45					
5	QPSK	25	0	20.49	20.60	20.49	22	1			
5	16QAM	1	0	20.74	20.80	20.82					
5	16QAM	1	12	20.86	20.97	20.88					
5	16QAM	1	24	20.88	20.93	20.76	21	2			
5	16QAM	12	0	19.39	19.53	19.36					
5	16QAM	12	7	19.37	19.52	19.37					
5	16QAM	12	13	19.38	19.54	19.50	21	2			
5	16QAM	25	0	19.40	19.52	19.36					
5	64QAM	1	0	19.63	19.72	19.67					
5	64QAM	1	12	19.72	19.60	19.57	21	2			
5	64QAM	1	24	19.62	19.82	19.79					
5	64QAM	12	0	18.61	18.50	18.48					
5	64QAM	12	7	18.46	18.54	18.46	20	3			
5	64QAM	12	13	18.42	18.52	18.42					
5	64QAM	25	0	18.30	18.34	18.32					
5	256QAM	1	0	16.46	16.52	16.54	18	5			
5	256QAM	1	12	16.43	16.53	16.64					
5	256QAM	1	24	16.53	16.65	16.60					
5	256QAM	12	0	16.34	16.34	16.39	18	5			
5	256QAM	12	7	16.26	16.45	16.29					
5	256QAM	12	13	16.29	16.36	16.32					
5	256QAM	25	0	16.25	16.49	16.26					

GSM1900 Ant2		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	1860	1869.8		1850.2	1860	1869.8	
GPRS 3 Tx slots		26.33	26.38	26.35	27.50	22.07	22.12	22.09	23.24

Band		WCDMA II Ant2			Tune-up	
TX Channel		5262	8400	9538	Limit	
Rx Channel		9862	9800	9938	(dBm)	
Frequency (MHz)		1852.4	1860	1907.6		
SCPP Ref 99	RMC 12.2Mbps	21.58	21.65	21.63	22.88	

Band 2 Ant2								
BW [MHz]	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	1880	1900		
20	QPSK	1	0	22.41	22.45	22.38	23.6	0

Band 7 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				20550	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.65	20.68	20.62	21.6	0	

Band 7 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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	16.81	16.85	16.83	18	0

Band 42 FCC Part27Q 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				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	19.96	20.02	20.01	21.3	0

Band 42 FCC Part27Q Ant8								
BW [MHz]	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)				3460	3500	3540		
20	QPSK	1	0	22.37	22.42	22.41	24	0

Band 42 FCC Part27Q 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				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	17.31	17.38	17.36	19	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				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	17.36	17.37	17.32	19	0

Reduced Power Mode for EC17

GSM850 Ant0		Burst Average Power (dbm)			Tune-up		Frame-Average Power (dbm)			Tune-up	
TX Channel		128	189	251	Limit		128	189	251	Limit	
Frequency (MHz)		834.2	836.4	843.8	(dbm)		834.2	836.4	843.8	(dbm)	
GPRS-3 Tx slots		29.08	29.11	29.07	30.00		24.82	24.85	24.81	25.74	

Band		WCDMA V Ant0			Tune-up	
TX Channel		4132	4182	4233	Limit	
Rx Channel		4357	4407	4458	(dbm)	
Frequency (MHz)		826.4	836.4	846.6		
3GPP Rel 99	DMC-12.2Kbps	22.31	22.34	22.19	24.00	

Band 5 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)	MPR (dB)
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.		
	Channel			20450	20525	20600		
	Frequency (MHz)			829	836.5	844		
10	QPSK	1	0	22.43	22.46	22.45	24	0

Band 26 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)	MPR (dB)
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.		
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.45	22.47	22.44	24	0

Band 7 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				20650	21100	21550					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	19.75	19.79	19.72	21	0			
20	QPSK	1	49	19.57	19.66	19.55					
20	QPSK	1	99	19.62	19.68	19.71					
20	QPSK	50	0	18.75	18.77	18.73					
20	QPSK	50	24	18.76	18.80	18.73	20	1			
20	QPSK	50	50	18.71	18.75	18.72					
20	QPSK	100	0	18.72	18.76	18.71					
20	16QAM	1	0	18.71	18.75	18.76					
20	16QAM	1	49	18.69	18.71	18.80	20	1			
20	16QAM	1	99	18.67	18.72	18.76					
20	16QAM	50	0	17.75	17.85	17.88					
20	16QAM	50	24	17.86	17.79	17.77					
20	16QAM	50	50	17.74	17.78	17.73	19	2			
20	16QAM	100	0	17.82	17.86	17.83					
20	64QAM	1	0	17.61	17.88	17.60					
20	64QAM	1	49	17.59	17.87	17.69					
20	64QAM	1	99	17.74	17.80	17.72	19	2			
20	64QAM	50	0	16.79	16.86	16.80					
20	64QAM	50	24	16.53	16.80	16.61					
20	64QAM	50	50	16.76	16.65	16.58					
20	64QAM	100	0	16.65	16.89	16.91	18	3			
20	256QAM	1	0	14.56	14.83	14.77					
20	256QAM	1	49	14.68	14.67	14.76					
20	256QAM	1	99	14.73	14.64	14.75					
20	256QAM	50	0	14.78	14.95	14.86	16	5			
20	256QAM	50	24	14.77	14.78	14.77					
20	256QAM	50	50	14.55	14.73	14.59					
20	256QAM	100	0	14.58	14.67	14.54					
Channel				20625	21100	21375	Tune-up limit (dBm)				
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	19.70	19.76	19.66	21	0			
15	QPSK	1	37	19.51	19.59	19.48					
15	QPSK	1	74	19.54	19.62	19.62					
15	QPSK	36	0	18.62	18.75	18.69					
15	QPSK	36	20	18.72	18.63	18.67	20	1			
15	QPSK	36	39	18.67	18.63	18.72					
15	QPSK	75	0	18.74	18.74	18.66					
15	16QAM	1	0	18.70	18.69	18.69					
15	16QAM	1	37	18.68	18.62	18.69	20	1			
15	16QAM	1	74	18.63	18.71	18.68					
15	16QAM	36	0	17.67	17.85	17.55					
15	16QAM	36	20	17.58	17.73	17.80					
15	16QAM	36	39	17.69	17.77	17.58	19	2			
15	16QAM	75	0	17.69	17.80	17.70					
15	64QAM	1	0	17.77	17.78	17.53					
15	64QAM	1	37	17.87	17.85	17.66					
15	64QAM	1	74	17.68	17.88	17.67	19	2			
15	64QAM	36	0	16.84	16.76	16.70					
15	64QAM	36	20	16.50	16.78	16.63					
15	64QAM	36	39	16.63	16.70	16.57					
15	64QAM	75	0	16.65	16.87	16.86	18	3			
15	256QAM	1	0	14.54	14.68	14.70					
15	256QAM	1	37	14.53	14.53	14.61					
15	256QAM	1	74	14.72	14.64	14.73					
15	256QAM	36	0	14.62	14.63	14.76	16	5			
15	256QAM	36	20	14.87	14.64	14.70					
15	256QAM	36	39	14.89	14.57	14.55					
15	256QAM	75	0	14.52	14.68	14.54					
Channel				20800	21100	21400	Tune-up limit (dBm)				
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	0	19.64	19.66	19.61	21	0			
10	QPSK	1	25	19.54	19.56	19.56					
10	QPSK	1	49	19.51	19.71	19.69					
10	QPSK	25	0	18.63	18.77	18.67					
10	QPSK	25	12	18.69	18.66	18.65	20	1			
10	QPSK	25	25	18.67	18.66	18.68					
10	QPSK	50	0	18.66	18.68	18.65					
10	16QAM	1	0	18.73	18.70	18.71					
10	16QAM	1	25	18.63	18.61	18.70	20	1			
10	16QAM	1	49	18.66	18.71	18.69					
10	16QAM	25	0	17.71	17.82	17.63					
10	16QAM	25	12	17.62	17.77	17.76					
10	16QAM	25	25	17.69	17.78	17.65	19	2			
10	16QAM	50	0	17.67	17.72	17.69					
10	64QAM	1	0	17.51	17.78	17.50					
10	64QAM	1	25	17.76	17.82	17.61					
10	64QAM	1	49	17.72	17.76	17.69	19	2			
10	64QAM	25	0	16.76	16.73	16.76					
10	64QAM	25	12	16.59	16.78	16.63					
10	64QAM	25	25	16.72	16.62	16.50					
10	64QAM	50	0	16.62	16.77	16.90	18	3			
10	256QAM	1	0	14.77	14.78	14.66					
10	256QAM	1	25	14.61	14.62	14.64					
10	256QAM	1	49	14.69	14.57	14.69					
10	256QAM	25	0	14.81	14.90	14.83	16	5			
10	256QAM	25	12	14.73	14.60	14.72					
10	256QAM	25	25	14.55	14.59	14.56					
10	256QAM	50	0	14.79	14.63	14.66					
Channel				20775	21100	21425	Tune-up limit (dBm)				
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	0	19.73	19.70	19.63	21	0			
5	QPSK	1	12	19.61	19.62	19.58					
5	QPSK	1	24	19.56	19.71	19.60					
5	QPSK	12	0	18.70	18.69	18.65					
5	QPSK	12	7	18.72	18.66	18.59	20	1			
5	QPSK	12	13	18.66	18.70	18.74					
5	QPSK	25	0	18.73	18.73	18.65					
5	16QAM	1	0	18.69	18.67	18.65					
5	16QAM	1	12	18.71	18.71	18.69	20	1			
5	16QAM	1	24	18.63	18.69	18.74					
5	16QAM	12	0	17.64	17.76	17.62					
5	16QAM	12	7	17.65	17.67	17.76					
5	16QAM	12	13	17.69	17.73	17.59	19	2			
5	16QAM	25	0	17.67	17.82	17.69					
5	64QAM	1	0	17.76	17.79	17.50					
5	64QAM	1	12	17.69	17.76	17.71					
5	64QAM	1	24	17.66	17.76	17.62	19	2			
5	64QAM	12	0	16.86	16.79	16.74					
5	64QAM	12	7	16.78	16.69	16.64					
5	64QAM	12	13	16.64	16.66	16.58					
5	64QAM	25	0	16.66	16.81	16.85	18	3			
5	256QAM	1	0	14.78	14.70	14.77					
5	256QAM	1	12	14.62	14.62	14.64					
5	256QAM	1	24	14.71	14.66	14.80					
5	256QAM	12	0	14.75	14.87	14.82	16	5			
5	256QAM	12	7	14.75	14.69	14.70					
5	256QAM	12	13	14.88	14.64	14.58					
5	256QAM	25	0	14.62	14.63	14.69					

Band 71 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				13322	13322	13372					
Frequency (MHz)				670	685	696					
20	QPSK	1	0	22.46	22.56	22.53	24	0			
20	QPSK	1	49	22.35	22.46	22.41					
20	QPSK	1	99	22.36	22.39	22.35					
20	QPSK	50	0	21.47	21.49	21.45					

GSM850 Ant1				Burst Average Power (dBm)				Tune-up				Frame Average Power (dBm)				Tune-up	
TX Channel				128	189	251	Limit	128				128	189	251	Limit	Limit	
Frequency (MHz)				824.2	836.4	848.8	(dBm)	824.2				824.2	836.4	848.8	(dBm)		
GPRS 4 Tx slots				24.31	24.38	24.35	25.60	21.31				21.38	21.35	21.35	22.60		

GSM1800 Ant1				Burst Average Power (dBm)				Tune-up				Frame Average Power (dBm)				Tune-up	
TX Channel				512	861	810	Limit	512				512	861	810	Limit	Limit	
Frequency (MHz)				1850.2	1880	1909.8	(dBm)	1850.2				1880	1909.8				
GPRS 4 Tx slots				17.98	17.99	17.93	19.30	14.96				14.99	14.93		16.30		

Band				WCDMA 8 Ant1				Tune-up				WCDMA 1 Ant1				Tune-up	
TX Channel				5562	8400	9538	Limit	512				4112	4182	4233	Limit	Limit	
Rx Channel				9662	9800	9638	(dBm)	1850.2				4353	4407	4458			
Frequency (MHz)				1852.4	1880	1907.8		826.4				826.4	836.4	846.6			
3GPP Rel 99				RMC 12.2Kbps	15.34	15.38	15.37	16.60	20.03				20.05	20.05	20.03	21.70	

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)				18700	18900	19100		
				1860	1880	1900		
20	QPSK	1	0	15.13	15.16	15.11	16.1	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				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	14.63	14.65	14.57	16	0	

Band 5 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				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	19.80	19.98	19.94	21.1	0

Band 26 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)				20705	20665	20665			
15	QPSK	1	0	19.98	20.02	19.94	21.1	0	

GSM1900 Ant2				Burst Average Power (dBm)				Tune-up		Frame Average Power (dBm)				Tune-up	
TX Channel				512	661	810		Limit		512	661	810		Limit	
Frequency (MHz)				1850.2	1860	1869.8		(dBm)		1850.2	1860	1869.8		(dBm)	
GPRS 4 Tx slots				22.83	22.85	22.81		24.10		18.57	18.59	18.55		19.54	

Band		WCDMA 1 Ant2			Tune-up	
TX Channel		5262	8400	9538	Limit	
Rx Channel		9862	8800	9938	(dBm)	
Frequency (MHz)		1852.4	1860	1907.6		
SCPP Ref 99	RMC 12.2Kbps	17.21	17.24	17.19	18.58	

Band 2 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up ant (dBm)	MPR (dB)	
Channel				18700	18800	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	18.51	18.55	18.49	19.7	0	

Band 7 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up ant (dBm)	MPR (dB)	
Channel				20550	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	18.13	18.15	18.11	19	0	

Band 7 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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	14.67	14.73	14.70	15.6	0

Band 42 FCC Part27Q 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				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	15.93	15.98	15.92	17.2	0

Band 42 FCC Part27Q Ant8								
BW [MHz]	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	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	21.91	21.95	21.89	22.7	0

Band 42 FCC Part27Q 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				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	10.99	11.05	11.02	12.5	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				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	16.48	16.51	16.47	17.5	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				20850	21100	21550		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.25	23.32	23.27	24	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				20850	21100	21350	20	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.51	18.55	18.52		

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	18.2	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.08	17.12	17.09		

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	21550		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.11	20.15	20.13	21.4	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				20850	21100	21550		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	15.73	15.75	15.71	17.2	0

Full & Default Power Mode

n5 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				16800	16750	16700		
Frequency (MHz)				834	835.5	839		
20	QPSK	1	1	22.71	22.73	22.65	24.0	0.0
20	QPSK	50	28	22.65	22.69	22.61	24.0	0.0
20	QPSK	100	0	21.67	21.68	21.65	23.0	1.0

n26 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				16800	16750	16700		
Frequency (MHz)				834	831.5	839		
20	QPSK	1	1	22.68	22.75	22.71	24.0	0.0
20	QPSK	50	28	22.68	22.72	22.70	24.0	0.0
20	QPSK	100	0	21.65	21.68	21.63	23.0	1.0

n38 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				519004	519000	519096		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.64	22.76	22.72	24.0	0.0
40	QPSK	50	28	22.67	22.73	22.71	24.0	0.0
40	QPSK	100	0	21.67	21.67	21.65	23.0	1.0

n41 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505202	510586	528000		
Frequency (MHz)				2546.01	2692.86	2940		
100	QPSK	1	1	22.86	22.89	22.84	24.0	0.0
100	QPSK	135	66	22.83	22.85	22.82	24.0	0.0
100	QPSK	270	0	21.71	21.80	21.79	23.0	1.0

n5 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				16800	16750	16700		
Frequency (MHz)				834	834.5	839		
20	QPSK	1	1	22.58	22.64	22.57	24.0	0.0
20	QPSK	50	28	22.52	22.61	22.56	24.0	0.0
20	QPSK	100	0	21.49	21.53	21.51	23.0	1.0

n26 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				16800	16750	16700		
Frequency (MHz)				834	831.5	839		
20	QPSK	1	1	22.64	22.68	22.56	24.0	0.0
20	QPSK	50	28	22.57	22.67	22.66	24.0	0.0
20	QPSK	100	0	21.56	21.58	21.54	23.0	1.0

n7 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2635	2545		
50	QPSK	1	1	20.57	20.59	20.53	22.0	0.0
50	QPSK	135	66	20.55	20.56	20.48	22.0	0.0
50	QPSK	270	0	19.51	19.52	19.48	21.0	1.0

n38 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2599.02	2685	2699.98		
40	QPSK	1	1	23.15	23.18	23.16	24.0	0.0
40	QPSK	50	28	23.08	23.17	23.15	24.0	0.0
40	QPSK	100	0	22.06	22.12	22.09	23.0	1.0

n41 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2940		
100	QPSK	1	1	23.11	23.22	23.15	24.0	0.0
100	QPSK	135	66	23.13	23.18	23.15	24.0	0.0
100	QPSK	270	0	22.11	22.15	22.09	23.0	1.0

n7 Ant 2								
BW [MHz]	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	22.51	22.53	22.49	24.0	0.0
50	QPSK	135	66	22.51	22.53	22.49	24.0	0.0
50	QPSK	270	0	21.42	21.51	21.49	23.0	1.0

n71 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				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				683	680.5	683		
20	PI/2 BPSK	1	1	22.48	22.72	22.52	24.0	0.0
20	PI/2 BPSK	1	53	22.63	22.74	22.49		
20	PI/2 BPSK	1	104	22.63	22.64	22.63		
20	PI/2 BPSK	50	0	22.03	22.26	22.15	23.5	0.5
20	PI/2 BPSK	50	28	22.61	22.82	22.69	24.0	0.0
20	PI/2 BPSK	50	55	22.20	22.35	22.11	23.5	0.5
20	PI/2 BPSK	100	0	22.12	22.26	22.16		
20	QPSK	1	1	22.77	22.84	22.79	24.0	0.0
20	QPSK	1	53	22.64	22.76	22.72		
20	QPSK	1	104	22.66	22.71	22.63		
20	QPSK	50	0	21.70	21.72	21.73	23.0	1.0
20	QPSK	50	28	22.70	22.73	22.66	24.0	0.0
20	QPSK	50	55	21.75	21.71	21.70	23.0	1.0
20	QPSK	100	0	21.68	21.71	21.66		
20	16QAM	1	1	21.60	21.62	21.63	23.0	1.0
20	64QAM	1	1	19.90	19.99	19.94	21.5	2.5
20	256QAM	1	1	18.51	18.75	18.51	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.85	22.65	22.54	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.57	22.73	22.51	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.58	22.72	22.58	24.0	0.0

n71 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				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	21.03	21.12	21.10		
20	PI/2 BPSK	1	53	21.07	21.16	21.02	22.5	0.0
20	PI/2 BPSK	1	104	21.18	21.23	21.13		
20	PI/2 BPSK	50	0	20.65	20.82	20.60	22.0	0.5
20	PI/2 BPSK	50	28	21.14	21.23	21.21	22.5	0.0
20	PI/2 BPSK	50	56	20.69	20.82	20.57		
20	PI/2 BPSK	100	0	20.63	20.73	20.56	22.0	0.5
20	QPSK	1	1	21.19	21.25	21.22		
20	QPSK	1	53	21.14	21.18	21.23	22.5	0.0
20	QPSK	1	104	21.18	21.19	21.08		
20	QPSK	50	0	20.11	20.19	20.21	21.5	1.0
20	QPSK	50	28	21.21	21.22	21.17	22.5	0.0
20	QPSK	50	56	20.23	20.21	20.16		
20	QPSK	100	0	20.17	20.23	20.16	21.5	1.0
20	16QAM	1	1	20.10	20.13	20.15	21.5	1.0
20	64QAM	1	1	18.40	18.55	18.41	20.0	2.5
20	256QAM	1	1	17.03	17.15	17.06	18.0	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	21.05	21.19	21.00	22.5	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	21.11	21.24	21.07	22.5	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	21.09	21.17	21.09	22.5	0.0

Part270 n77 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	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.65	22.61	22.55	24.0	0.0	
100	PI/2 BPSK	1	137	22.56	22.77	22.85			
100	PI/2 BPSK	1	271	22.65	22.67	22.63			
100	PI/2 BPSK	135	0	22.13	22.31	22.17	23.5	0.5	
100	PI/2 BPSK	135	69	22.64	22.81	22.76	24.0	0.0	
100	PI/2 BPSK	135	138	22.15	22.34	22.14	23.5	0.5	
100	PI/2 BPSK	270	0	22.16	22.32	22.06			
100	QPSK	1	1	22.79	22.82	22.77			
100	QPSK	1	137	22.62	22.73	22.67	24.0	0.0	
100	QPSK	1	271	22.57	22.72	22.57			
100	QPSK	135	0	21.67	21.78	21.66	23.0	1.0	
100	QPSK	135	69	22.77	22.80	22.75	24.0	0.0	
100	QPSK	135	138	21.74	21.84	21.81	23.0	1.0	
100	QPSK	270	0	21.59	21.74	21.55			
100	16QAM	1	1	21.58	21.64	21.70	23.0	1.0	
100	64QAM	1	1	19.99	19.98	19.92	21.5	2.5	
100	256QAM	1	1	18.56	18.67	18.47	19.5	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3743.02	3840	3935.01			
90	QPSK	1	1	22.57	22.76	22.58	24.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	22.51	22.66	22.52	24.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	22.51	22.71	22.56	24.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	22.51	22.74	22.64	24.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	22.49	22.65	22.52	24.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	22.52	22.73	22.61	24.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	22.59	22.60	22.56	24.0	0.0	
Channel				647300	656000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	22.49	22.73	22.59	24.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	22.48	22.67	22.60	24.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	22.51	22.71	22.56	24.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	22.53	22.65	22.55	24.0	0.0	

Part270 n77 PC2 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	25.57	25.55	25.46	27.0	0.0	
100	PI/2 BPSK	1	137	25.56	25.66	25.63			
100	PI/2 BPSK	1	271	25.58	25.58	25.57			
100	PI/2 BPSK	135	0	25.08	25.25	25.10	26.5	0.5	
100	PI/2 BPSK	135	69	25.69	25.75	25.70	27.0	0.0	
100	PI/2 BPSK	135	138	25.05	25.30	25.11	26.5	0.5	
100	PI/2 BPSK	270	0	25.03	25.25	25.06			
100	QPSK	1	1	25.79	25.80	25.72			
100	QPSK	1	137	25.57	25.62	25.60	27.0	0.0	
100	QPSK	1	271	25.48	25.70	25.54			
100	QPSK	135	0	24.65	24.74	24.59	26.0	1.0	
100	QPSK	135	69	25.73	25.75	25.72	27.0	0.0	
100	QPSK	135	138	24.70	24.73	24.59	26.0	1.0	
100	QPSK	270	0	24.65	24.71	24.67			
100	16QAM	1	1	24.49	24.58	24.65	26.0	1.0	
100	64QAM	1	1	22.87	22.94	22.85	24.5	2.5	
100	256QAM	1	1	21.44	21.67	21.38	22.5	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3743.02	3840	3935.01			
90	QPSK	1	1	25.50	25.69	25.60	27.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	25.60	25.72	25.54	27.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	25.53	25.71	25.65	27.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	25.58	25.73	25.55	27.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	25.48	25.76	25.54	27.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	25.57	25.69	25.54	27.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	25.60	25.85	25.59	27.0	0.0	
Channel				647300	656000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	25.54	25.65	25.58	27.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	25.50	25.64	25.63	27.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	25.52	25.67	25.62	27.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	25.56	25.64	25.60	27.0	0.0	

Part270 n78 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		22.67		24.0	0.0	
100	PI/2 BPSK	1	137		22.65				
100	PI/2 BPSK	1	271		22.60				
100	PI/2 BPSK	135	0		22.24		23.5	0.5	
100	PI/2 BPSK	135	69		22.73		24.0	0.0	
100	PI/2 BPSK	135	138		22.30		23.5	0.5	
100	PI/2 BPSK	270	0		22.17				
100	QPSK	1	1		22.75				
100	QPSK	1	137		22.58		24.0	0.0	
100	QPSK	1	271		22.68				
100	QPSK	135	0		21.76		23.0	1.0	
100	QPSK	135	69		22.73		24.0	0.0	
100	QPSK	135	138		21.80		23.0	1.0	
100	QPSK	270	0		21.65				
100	16QAM	1	1		21.52		23.0	1.0	
100	64QAM	1	1		20.01		21.5	2.5	
100	256QAM	1	1		18.58		19.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.42	22.50	22.46	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		22.44	22.46	22.49	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.47	22.50	22.50	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		22.48	22.45	22.42	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		22.41	22.40	22.39	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.46	22.43	22.47	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		22.45	22.51	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		22.44	22.46	22.39	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		22.39	22.43	22.49	24.0	0.0
Channel				647166	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		22.46	22.41	22.41	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.44	22.47	22.41	24.0	0.0

Part270 n78 PC2 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		25.52		27.0	0.0	
100	PI/2 BPSK	1	137		25.62				
100	PI/2 BPSK	1	271		25.48				
100	PI/2 BPSK	135	0		25.07		26.5	0.5	
100	PI/2 BPSK	135	69		25.63		27.0	0.0	
100	PI/2 BPSK	135	138		25.14		26.5	0.5	
100	PI/2 BPSK	270	0		25.06				
100	QPSK	1	1		25.71				
100	QPSK	1	137		25.59		27.0	0.0	
100	QPSK	1	271		25.55				
100	QPSK	135	0		24.68		26.0	1.0	
100	QPSK	135	69		25.68		27.0	0.0	
100	QPSK	135	138		24.69		26.0	1.0	
100	QPSK	270	0		24.63				
100	16QAM	1	1		24.48		26.0	1.0	
100	64QAM	1	1		22.87		24.5	2.5	
100	256QAM	1	1		21.50		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		25.50	25.49	25.45	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		25.46	25.44	25.48	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.40	25.47	25.44	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		25.47	25.45	25.50	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		25.47	25.44	25.47	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.51	25.42	25.49	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		25.49	25.47	25.45	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		25.41	25.50	25.52	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		25.45	25.51	25.47	27.0	0.0
Channel				647166	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		25.40	25.49	25.42	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		25.46	25.50	25.52	27.0	0.0

Part270 n77 Ant8									
BW [MHz]	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	666000	662000	24.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	23.01	23.13	22.96	24.0	0.0	
100	PI/2 BPSK	1	137	23.02	23.14	23.22			
100	PI/2 BPSK	1	271	23.08	23.11	23.05			
100	PI/2 BPSK	135	0	22.56	22.74	22.60	23.5	0.5	
100	PI/2 BPSK	135	69	23.12	23.29	23.15	24.0	0.0	
100	PI/2 BPSK	135	138	22.54	22.74	22.65	23.5	0.5	
100	PI/2 BPSK	270	0	22.62	22.90	22.48			
100	QPSK	1	1	23.24	23.37	23.17	24.0	0.0	
100	QPSK	1	137	23.09	23.16	23.06			
100	QPSK	1	271	23.20	23.25	23.14			
100	QPSK	135	0	22.19	22.27	22.14	23.0	1.0	
100	QPSK	135	69	23.23	23.29	23.25	24.0	0.0	
100	QPSK	135	138	22.32	22.14	22.18	23.0	1.0	
100	QPSK	270	0	22.23	22.27	22.17			
100	16QAM	1	1	22.08	22.16	22.11	23.0	1.0	
100	64QAM	1	1	20.35	20.55	20.54	21.5	2.5	
100	256QAM	1	1	18.94	19.09	18.98	19.5	4.5	
Channel				649668	666000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	24.0	0.0	
90	QPSK	1	1	23.09	23.14	23.13	24.0	0.0	
Channel				648334	666000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	24.0	0.0	
80	QPSK	1	1	23.05	23.22	23.11	24.0	0.0	
Channel				649000	666000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	24.0	0.0	
70	QPSK	1	1	23.03	23.18	23.13	24.0	0.0	
Channel				648668	666000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	24.0	0.0	
60	QPSK	1	1	23.09	23.21	23.16	24.0	0.0	
Channel				648334	666000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	24.0	0.0	
50	QPSK	1	1	23.06	23.23	23.13	24.0	0.0	
Channel				648000	666000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	24.0	0.0	
40	QPSK	1	1	23.10	23.14	23.15	24.0	0.0	
Channel				647668	666000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	24.0	0.0	
30	QPSK	1	1	23.07	23.16	23.23	24.0	0.0	
Channel				647300	666000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.5	3840	3972.5	24.0	0.0	
25	QPSK	1	1	23.05	23.21	23.11	24.0	0.0	
Channel				647334	666000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	24.0	0.0	
20	QPSK	1	1	23.02	23.24	23.14	24.0	0.0	
Channel				647168	666000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	24.0	0.0	
15	QPSK	1	1	23.02	23.15	23.18	24.0	0.0	
Channel				647000	666000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	24.0	0.0	
10	QPSK	1	1	23.10	23.12	23.12	24.0	0.0	

Part270 n77 PC2 Ant8									
BW [MHz]	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	27.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	25.97	26.07	25.81	27.0	0.0	
100	PI/2 BPSK	1	137	25.99	26.14	26.04			
100	PI/2 BPSK	1	271	25.99	26.06	25.95			
100	PI/2 BPSK	135	0	25.41	25.73	25.58	26.5	0.5	
100	PI/2 BPSK	135	69	26.09	26.13	26.00	27.0	0.0	
100	PI/2 BPSK	135	138	25.50	25.74	25.51	26.5	0.5	
100	PI/2 BPSK	270	0	25.49	25.74	25.46			
100	QPSK	1	1	26.18	26.21	26.15	27.0	0.0	
100	QPSK	1	137	26.00	26.02	26.02			
100	QPSK	1	271	26.04	26.07	25.96			
100	QPSK	135	0	25.11	25.18	25.05	26.0	1.0	
100	QPSK	135	69	26.13	26.19	26.17	27.0	0.0	
100	QPSK	135	138	25.17	25.11	25.09	26.0	1.0	
100	QPSK	270	0	25.10	25.17	25.12			
100	16QAM	1	1	24.94	25.06	25.03	26.0	1.0	
100	64QAM	1	1	23.26	23.50	23.38	24.5	2.5	
100	256QAM	1	1	21.80	22.03	21.93	22.5	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	27.0	0.0	
90	QPSK	1	1	25.92	26.04	26.10	27.0	0.0	
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	27.0	0.0	
80	QPSK	1	1	25.95	26.05	26.02	27.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	27.0	0.0	
70	QPSK	1	1	25.99	26.02	26.07	27.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	27.0	0.0	
60	QPSK	1	1	25.91	26.05	26.05	27.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	27.0	0.0	
50	QPSK	1	1	25.96	26.12	26.09	27.0	0.0	
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	27.0	0.0	
40	QPSK	1	1	25.92	26.10	26.01	27.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	27.0	0.0	
30	QPSK	1	1	26.00	26.03	26.12	27.0	0.0	
Channel				647300	656000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.5	3840	3972.5	27.0	0.0	
25	QPSK	1	1	25.95	26.06	26.03	27.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	27.0	0.0	
20	QPSK	1	1	25.99	26.08	26.11	27.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	27.0	0.0	
15	QPSK	1	1	25.92	26.07	26.04	27.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	27.0	0.0	
10	QPSK	1	1	25.96	26.04	26.03	27.0	0.0	

Part270 n78 Ant5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR		
Channel				650000	650000	650000	Tune-up limit	(dB)		
Frequency (MHz)				3750	3750	3750	(dBm)	(dB)		
100	PI/2 BPSK	1	1		23.26		24.0	0.0		
100	PI/2 BPSK	1	137		23.25					
100	PI/2 BPSK	1	271		23.21					
100	PI/2 BPSK	135	0		22.86					
100	PI/2 BPSK	135	69		23.31		24.0	0.0		
100	PI/2 BPSK	135	138		22.81		23.5	0.5		
100	PI/2 BPSK	270	0		22.77		23.5	0.5		
100	QPSK	1	1		23.35		24.0	0.0		
100	QPSK	1	137		23.24					
100	QPSK	1	271		23.29					
100	QPSK	135	0		22.31					
100	QPSK	135	69		23.34		24.0	0.0		
100	QPSK	135	138		22.28		23.0	1.0		
100	QPSK	270	0		22.33		23.0	1.0		
100	16QAM	1	1		22.16		23.0	1.0		
100	64QAM	1	1		20.60		21.5	2.5		
100	256QAM	1	1		19.21		19.5	4.5		
Channel				649668	650000	650334	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)		
90	QPSK	1	1		23.29	23.24	23.21	24.0	0.0	
Channel				648334	650000	650668	Tune-up limit	MPR		
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)		
80	QPSK	1	1		23.21	23.26	23.29	24.0	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR		
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)		
70	QPSK	1	1		23.29	23.21	23.30	24.0	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)		
60	QPSK	1	1		23.25	23.26	23.20	24.0	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR		
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)		
50	QPSK	1	1		23.26	23.18	23.28	24.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR		
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)		
40	QPSK	1	1		23.25	23.24	23.21	24.0	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)		
30	QPSK	1	1		23.25	23.29	23.23	24.0	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)		
25	QPSK	1	1		23.19	23.25	23.23	24.0	0.0	
Channel				647251	650000	652688	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)		
20	QPSK	1	1		23.26	23.27	23.18	24.0	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR		
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)		
15	QPSK	1	1		23.23	23.21	23.24	24.0	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR		
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)		
10	QPSK	1	1		23.24	23.19	23.23	24.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3750	3750	3750				
100	PI/2 BPSK	1	1		26.20		27.0	0.0		
100	PI/2 BPSK	1	137		26.28					
100	PI/2 BPSK	1	271		26.19					
100	PI/2 BPSK	135	0		25.81					
100	PI/2 BPSK	135	69		26.28		26.5	0.5		
100	PI/2 BPSK	135	138		25.91		27.0	0.0		
100	PI/2 BPSK	270	0		25.83		26.5	0.5		
100	QPSK	1	1		26.32		27.0	0.0		
100	QPSK	1	137		26.28					
100	QPSK	1	271		26.26					
100	QPSK	135	0		25.24					
100	QPSK	135	69		26.27		26.0	1.0		
100	QPSK	135	138		25.26		27.0	0.0		
100	QPSK	270	0		25.25		26.0	1.0		
100	16QAM	1	1		25.26		26.0	1.0		
100	64QAM	1	1		23.55		24.5	2.5		
100	256QAM	1	1		22.18		22.5	4.5		
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)		
90	QPSK	1	1		26.30	26.26	26.25	27.0	0.0	
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)		
80	QPSK	1	1		26.26	26.20	26.31	27.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)		
70	QPSK	1	1		26.23	26.25	26.23	27.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)		
60	QPSK	1	1		26.27	26.24	26.30	27.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)		
50	QPSK	1	1		26.29	26.31	26.23	27.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)		
40	QPSK	1	1		26.22	26.27	26.21	27.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)		
30	QPSK	1	1		26.27	26.27	26.25	27.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)		
20	QPSK	1	1		26.21	26.24	26.28	27.0	0.0	
Channel				647000	650000	652834	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)		
15	QPSK	1	1		26.28	26.20	26.29	27.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)		
10	QPSK	1	1		26.21	26.21	26.22	27.0	0.0	

n38 Ant2									
BW [MHz]	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)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	22.46	22.51	22.53	24.0	0.0	
40	PI/2 BPSK	1	53	22.40	22.60	22.42			
40	PI/2 BPSK	1	104	22.49	22.55	22.44			
40	PI/2 BPSK	50	0	22.04	22.18	22.10		0.5	
40	PI/2 BPSK	50	26	22.54	22.39	22.49	24.0		0.0
40	PI/2 BPSK	50	56	21.97	22.16	21.94	23.5		0.5
40	PI/2 BPSK	100	0	22.06	22.10	21.91	24.0	0.0	
40	QPSK	1	1	22.55	22.63	22.56			
40	QPSK	1	53	22.51	22.59	22.54			
40	QPSK	1	104	22.42	22.50	22.40			
40	QPSK	50	0	21.57	21.61	21.48	23.0		1.0
40	QPSK	50	26	22.57	22.59	22.56	24.0		0.0
40	QPSK	50	56	21.54	21.59	21.57	23.0	1.0	
40	QPSK	100	0	21.57	21.58	21.53			
40	16QAM	1	1	21.42	21.54	21.44	23.0		1.0
40	64QAM	1	1	19.80	19.88	19.82	21.5		2.5
40	256QAM	1	1	18.32	18.44	18.32	19.5		4.5
Channel				517002	518000	520098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2600.99			
30	QPSK	1	1	22.58	22.58	22.50	24.0	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.53	22.52	22.58	24.0	0.0	
Channel				516200	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.57	22.62	22.59	24.0	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.58	22.58	22.49	24.0	0.0	
Channel				515204	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.59	22.53	22.50	24.0	0.0	

n41 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	516598	526000	24.0	0.0	
Frequency (MHz)				2646.01	2652.99	2640			
100	PI/2 BPSK	1	1	22.45	22.57	22.32	24.0	0.0	
100	PI/2 BPSK	1	137	22.37	22.59	22.45			
100	PI/2 BPSK	1	271	22.50	22.50	22.47			
100	PI/2 BPSK	135	0	22.02	22.18	22.08		23.5	
100	PI/2 BPSK	135	69	22.54	22.57	22.49	24.0		0.0
100	PI/2 BPSK	135	138	22.04	22.15	22.01	23.5	0.5	
100	PI/2 BPSK	270	0	22.02	22.16	21.91			
100	QPSK	1	1	22.55	22.66	22.60	24.0	0.0	
100	QPSK	1	137	22.46	22.61	22.55			
100	QPSK	1	271	22.43	22.51	22.48			
100	QPSK	135	0	21.49	21.61	21.48		23.0	
100	QPSK	135	69	22.62	22.63	22.57	24.0		0.0
100	QPSK	135	138	21.58	21.64	21.48	23.0	1.0	
100	QPSK	270	0	21.59	21.60	21.57			
100	16QAM	1	1	21.47	21.43	21.53	23.0		1.0
100	64QAM	1	1	19.78	19.89	19.72	21.5		2.5
100	256QAM	1	1	18.33	18.45	18.32	19.5		4.5
Channel				505200	516598	526996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2641	2652.99	2644.98			
90	QPSK	1	1	22.55	22.56	22.59	24.0	0.0	
Channel				507204	516598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2636.02	2652.99	2649.99			
80	QPSK	1	1	22.53	22.60	22.54	24.0	0.0	
Channel				505202	516598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2631.01	2652.99	2655			
70	QPSK	1	1	22.52	22.52	22.59	24.0	0.0	
Channel				505200	516598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626	2652.99	2659.98			
60	QPSK	1	1	22.53	22.62	22.52	24.0	0.0	
Channel				504204	516598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2652.99	2664.99			
50	QPSK	1	1	22.58	22.58	22.56	24.0	0.0	
Channel				503700	516598	533496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2652.99	2667.48			
45	QPSK	1	1	22.55	22.56	22.59	24.0	0.0	
Channel				503202	516598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2652.99	2670			
40	QPSK	1	1	22.58	22.54	22.59	24.0	0.0	
Channel				502704	516598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2652.99	2672.49			
35	QPSK	1	1	22.54	22.57	22.49	24.0	0.0	
Channel				502200	516598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2652.99	2674.86			
30	QPSK	1	1	22.51	22.58	22.49	24.0	0.0	
Channel				501702	516598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2652.99	2677.5			
25	QPSK	1	1	22.57	22.55	22.57	24.0	0.0	
Channel				501204	516598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2652.99	2679.89			
20	QPSK	1	1	22.59	22.57	22.52	24.0	0.0	
Channel				500700	516598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2652.99	2682.48			
15	QPSK	1	1	22.57	22.55	22.57	24.0	0.0	
Channel				500202	516598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2652.99	2684			
10	QPSK	1	1	22.60	22.58	22.57	24.0	0.0	

n38 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				516004	516000	516996	24.0	0.0
Frequency (MHz)				2560.02	2656	2699.98		
40	PI/2 BPSK	1	1	23.21	23.27	23.15	24.0	0.0
40	PI/2 BPSK	1	53	23.22	23.29	23.24		
40	PI/2 BPSK	1	104	23.24	23.23	23.18	23.5	0.5
40	PI/2 BPSK	50	0	22.73	22.90	22.82		
40	PI/2 BPSK	50	26	23.31	23.37	23.26	24.0	0.0
40	PI/2 BPSK	50	56	22.72	22.87	22.75		
40	PI/2 BPSK	100	0	22.77	22.92	22.77	23.0	1.0
40	QPSK	1	1	23.34	23.42	23.37		
40	QPSK	1	53	23.23	23.32	23.24	24.0	0.0
40	QPSK	1	104	23.18	23.29	23.21		
40	QPSK	50	0	22.21	22.31	22.33	23.0	1.0
40	QPSK	50	26	23.38	23.41	23.36		
40	QPSK	50	56	22.35	22.32	22.30	23.0	1.0
40	QPSK	100	0	22.28	22.39	22.29		
40	16QAM	1	1	22.20	22.26	22.26	23.0	1.0
40	64QAM	1	1	20.48	20.59	20.56		
40	256QAM	1	1	19.15	19.15	19.10	19.5	4.5
Channel				517002	516900	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2596	2604.99		
30	QPSK	1	1	23.32	23.30	23.25	24.0	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2562.52	2596	2607.48		
25	QPSK	1	1	23.28	23.27	23.28	24.0	0.0
Channel				516200	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2560	2596	2610		
20	QPSK	1	1	23.27	23.35	23.32	24.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2596	2612.49		
15	QPSK	1	1	23.25	23.32	23.34	24.0	0.0
Channel				516304	519000	522998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2596	2614.98		
10	QPSK	1	1	23.24	23.38	23.32	24.0	0.0

n41 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				506202	516598	526000	24.0	0.0
Frequency (MHz)				2646.01	2692.99	2740		
100	PI/2 BPSK	1	1	22.97	23.09	22.95	24.0	0.0
100	PI/2 BPSK	1	137	23.00	23.14	22.95		
100	PI/2 BPSK	1	271	22.96	23.07	22.94	23.5	0.5
100	PI/2 BPSK	135	0	22.59	22.68	22.57		
100	PI/2 BPSK	135	69	23.10	23.15	23.06	24.0	0.0
100	PI/2 BPSK	135	138	22.52	22.69	22.52		
100	PI/2 BPSK	270	0	22.54	22.68	22.49	23.0	1.0
100	QPSK	1	1	23.18	23.32	23.17		
100	QPSK	1	137	23.00	23.09	23.07	24.0	0.0
100	QPSK	1	271	23.00	23.13	23.05		
100	QPSK	135	0	22.10	22.12	22.02	23.0	1.0
100	QPSK	135	69	23.15	23.26	23.14		
100	QPSK	135	138	22.16	22.19	22.14	23.0	1.0
100	QPSK	270	0	22.15	22.23	22.08		
100	16QAM	1	1	21.97	22.00	22.04	23.0	1.0
100	64QAM	1	1	20.27	20.38	20.34		
100	256QAM	1	1	18.56	19.01	18.93	19.5	4.5
Channel				506200	516598	526998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2641	2692.99	2644.98		
90	QPSK	1	1	23.14	23.13	23.14	24.0	0.0
Channel				507204	516598	526998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636.02	2692.99	2649.99		
80	QPSK	1	1	23.08	23.08	23.03	24.0	0.0
Channel				506202	516598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2631.01	2692.99	2655		
70	QPSK	1	1	23.05	23.14	23.07	24.0	0.0
Channel				505200	516598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2626	2692.99	2659.98		
60	QPSK	1	1	23.07	23.14	23.07	24.0	0.0
Channel				504204	516598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621.02	2692.99	2664.99		
50	QPSK	1	1	23.15	23.16	23.08	24.0	0.0
Channel				503700	516598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2692.99	2667.48		
45	QPSK	1	1	23.08	23.08	23.03	24.0	0.0
Channel				503202	516598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2692.99	2670		
40	QPSK	1	1	23.09	23.14	23.06	24.0	0.0
Channel				502704	516598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2692.99	2672.49		
35	QPSK	1	1	23.18	23.21	23.14	24.0	0.0
Channel				502200	516598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2692.99	2674.86		
30	QPSK	1	1	23.15	23.08	23.09	24.0	0.0
Channel				501702	516598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2692.99	2677.5		
25	QPSK	1	1	22.96	23.07	22.94	24.0	0.0
Channel				501204	516598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2692.99	2679.89		
20	QPSK	1	1	23.04	23.10	23.15	24.0	0.0
Channel				500700	516598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2692.99	2682.48		
15	QPSK	1	1	23.07	23.11	23.10	24.0	0.0
Channel				500202	516598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2692.99	2684		
10	QPSK	1	1	23.08	23.11	23.09	24.0	0.0

Reduced Power Mode for EC12

n5 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.71	22.73	22.65		
20	QPSK	50	28	22.65	22.69	22.61	24.0	0.0
20	QPSK	100	0	21.67	21.68	21.65	23.0	1.0

n26 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.68	22.75	22.71	24.0	0.0
20	QPSK	50	28	22.68	22.72	22.70	24.0	0.0
20	QPSK	100	0	21.65	21.68	21.63	23.0	1.0

n38 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.64	22.76	22.72	24.0	0.0
40	QPSK	50	28	22.67	22.73	22.71	24.0	0.0
40	QPSK	100	0	21.61	21.67	21.65	23.0	1.0

n41 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505202	516598	528000		
Frequency (MHz)				2546.01	2562.99	2640		
100	QPSK	1	1	22.88	22.89	22.84	24.0	0.0
100	QPSK	135	68	22.83	22.85	22.82	24.0	0.0
100	QPSK	270	0	21.71	21.80	21.79	23.0	1.0

n5 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.58	22.64	22.57	24.0	0.0
20	QPSK	50	28	22.52	22.61	22.56	24.0	0.0
20	QPSK	100	0	21.49	21.53	21.51	23.0	1.0

n26 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.64	22.68	22.56	24.0	0.0
20	QPSK	50	28	22.57	22.67	22.66	24.0	0.0
20	QPSK	100	0	21.56	21.58	21.54	23.0	1.0

n7 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	19.24	19.29	19.21	20.3	0.0
50	QPSK	135	68	19.22	19.26	19.19	20.3	0.0
50	QPSK	270	0	19.10	19.23	19.22	20.3	0.0

n38 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	18.19	18.26	18.23	19.4	0.0
40	QPSK	50	28	18.20	18.22	18.21	19.4	0.0
40	QPSK	100	0	18.07	18.21	18.11	19.4	0.0

n41 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505202	516598	528000		
Frequency (MHz)				2546.01	2562.99	2640		
100	QPSK	1	1	18.23	18.28	18.19	19.4	0.0
100	QPSK	135	68	18.22	18.25	18.22	19.4	0.0
100	QPSK	270	0	18.12	18.22	18.14	19.4	0.0

n7 Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505500	507000	508000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	22.53	22.58	22.55	24.0	0.0
50	QPSK	135	68	22.51	22.53	22.49	24.0	0.0
50	QPSK	270	0	21.42	21.51	21.49	23.0	1.0

n71 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				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				683	680.5	683		
20	PI/2 BPSK	1	1	22.48	22.72	22.52	24.0	0.0
20	PI/2 BPSK	1	53	22.63	22.74	22.49		
20	PI/2 BPSK	1	104	22.63	22.64	22.63		
20	PI/2 BPSK	50	0	22.03	22.26	22.15	23.5	0.5
20	PI/2 BPSK	50	28	22.61	22.82	22.69	24.0	0.0
20	PI/2 BPSK	50	55	22.20	22.35	22.11	23.5	0.5
20	PI/2 BPSK	100	0	22.12	22.28	22.16		
20	QPSK	1	1	22.77	22.84	22.79	24.0	0.0
20	QPSK	1	53	22.64	22.76	22.72		
20	QPSK	1	104	22.66	22.71	22.63		
20	QPSK	50	0	21.70	21.72	21.73	23.0	1.0
20	QPSK	50	28	22.70	22.73	22.66	24.0	0.0
20	QPSK	50	55	21.75	21.71	21.70	23.0	1.0
20	QPSK	100	0	21.68	21.71	21.66		
20	16QAM	1	1	21.60	21.62	21.63	23.0	1.0
20	64QAM	1	1	19.90	19.99	19.94	21.5	2.5
20	256QAM	1	1	18.51	18.75	18.51	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.85	22.65	22.54	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.57	22.73	22.51	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.58	22.72	22.58	24.0	0.0

n71 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				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	21.03	21.12	21.10		
20	PI/2 BPSK	1	53	21.07	21.16	21.02	22.5	0.0
20	PI/2 BPSK	1	104	21.18	21.23	21.13		
20	PI/2 BPSK	50	0	20.65	20.82	20.60	22.0	0.5
20	PI/2 BPSK	50	28	21.14	21.23	21.21	22.5	0.0
20	PI/2 BPSK	50	56	20.69	20.82	20.57		
20	PI/2 BPSK	100	0	20.63	20.73	20.56	22.0	0.5
20	QPSK	1	1	21.19	21.25	21.22		
20	QPSK	1	53	21.14	21.18	21.23	22.5	0.0
20	QPSK	1	104	21.18	21.19	21.08		
20	QPSK	50	0	20.11	20.19	20.21	21.5	1.0
20	QPSK	50	28	21.21	21.22	21.17	22.5	0.0
20	QPSK	50	56	20.23	20.21	20.16		
20	QPSK	100	0	20.17	20.23	20.16	21.5	1.0
20	16QAM	1	1	20.10	20.13	20.15	21.5	1.0
20	64QAM	1	1	18.40	18.55	18.41	20.0	2.5
20	256QAM	1	1	17.03	17.15	17.06	18.0	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	21.05	21.19	21.00	22.5	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	21.11	21.24	21.07	22.5	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	21.09	21.17	21.09	22.5	0.0

Part270 n77 PC3&2 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	19.6	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.29	18.19	18.22	19.6	0.0	
100	PI/2 BPSK	1	137	18.24	18.20	18.23			
100	PI/2 BPSK	1	271	18.19	18.25	18.26			
100	PI/2 BPSK	135	0	18.22	18.19	18.18	19.6	0.0	
100	PI/2 BPSK	135	69	18.19	18.29	18.20	19.6	0.0	
100	PI/2 BPSK	135	138	18.20	18.20	18.20	19.6	0.0	
100	PI/2 BPSK	270	0	18.28	18.19	18.19			
100	QPSK	1	1	18.27	18.30	18.25	19.6	0.0	
100	QPSK	1	137	18.27	18.23	18.19			
100	QPSK	1	271	18.18	18.20	18.19			
100	QPSK	135	0	18.20	18.19	18.25	19.6	0.0	
100	QPSK	135	69	18.22	18.28	18.25	19.6	0.0	
100	QPSK	135	138	18.27	18.25	18.24	19.6	0.0	
100	QPSK	270	0	18.24	18.25	18.23			
100	16QAM	1	1	18.19	18.21	18.27	19.6	0.0	
100	64QAM	1	1	18.20	18.21	18.19	19.6	0.0	
100	256QAM	1	1	18.23	18.18	18.25	19.6	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	19.6	0.0	
90	QPSK	1	1	18.20	18.25	18.16	19.6	0.0	
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	19.6	0.0	
80	QPSK	1	1	18.15	18.23	18.17	19.6	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	19.6	0.0	
70	QPSK	1	1	18.19	18.23	18.21	19.6	0.0	
Channel				646268	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	19.6	0.0	
60	QPSK	1	1	18.15	18.25	18.14	19.6	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	19.6	0.0	
50	QPSK	1	1	18.21	18.18	18.14	19.6	0.0	
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	19.6	0.0	
40	QPSK	1	1	18.22	18.27	18.18	19.6	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	19.6	0.0	
30	QPSK	1	1	18.24	18.28	18.18	19.6	0.0	
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.5	3840	3971.5	19.6	0.0	
25	QPSK	1	1	18.18	18.24	18.15	19.6	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	19.6	0.0	
20	QPSK	1	1	18.21	18.26	18.17	19.6	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	19.6	0.0	
15	QPSK	1	1	18.15	18.26	18.15	19.6	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	19.6	0.0	
10	QPSK	1	1	18.16	18.22	18.18	19.6	0.0	

Part270 n78 PC3&2 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	19.6	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	18.21			19.6	0.0	
100	PI/2 BPSK	1	137	18.13					
100	PI/2 BPSK	1	271	18.19					
100	PI/2 BPSK	135	0	18.18			19.6	0.0	
100	PI/2 BPSK	135	69	18.24			19.6	0.0	
100	PI/2 BPSK	135	138	18.22			19.6	0.0	
100	PI/2 BPSK	270	0	18.12					
100	QPSK	1	1	18.25			19.6	0.0	
100	QPSK	1	137	18.24					
100	QPSK	1	271	18.16					
100	QPSK	135	0	18.13			19.6	0.0	
100	QPSK	135	69	18.21			19.6	0.0	
100	QPSK	135	138	18.16			19.6	0.0	
100	QPSK	270	0	18.19					
100	16QAM	1	1	18.13			19.6	0.0	
100	64QAM	1	1	18.18			19.6	0.0	
100	256QAM	1	1	18.13			19.6	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	19.6	0.0	
90	QPSK	1	1	18.13	18.17	18.08	19.6	0.0	
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	19.6	0.0	
80	QPSK	1	1	18.08	18.15	18.12	19.6	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	19.6	0.0	
70	QPSK	1	1	18.11	18.13	18.04	19.6	0.0	
Channel				648568	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	19.6	0.0	
60	QPSK	1	1	18.07	18.13	18.09	19.6	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	19.6	0.0	
50	QPSK	1	1	18.04	18.09	18.09	19.6	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	19.6	0.0	
40	QPSK	1	1	18.06	18.13	18.14	19.6	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	19.6	0.0	
30	QPSK	1	1	18.14	18.14	18.07	19.6	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5	19.6	0.0	
25	QPSK	1	1	18.13	18.08	18.12	19.6	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	19.6	0.0	
20	QPSK	1	1	18.06	18.17	18.10	19.6	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	19.6	0.0	
15	QPSK	1	1	18.09	18.09	18.14	19.6	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	19.6	0.0	
10	QPSK	1	1	18.08	18.16	18.05	19.6	0.0	

Part270 n77 Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				656000	666000	666000	24.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	23.01	23.13	22.96	24.0	0.0	
100	PV2 BPSK	1	137	23.02	23.14	23.22			
100	PV2 BPSK	1	271	23.08	23.11	23.05			
100	PV2 BPSK	135	0	22.56	22.74	22.60		0.5	
100	PV2 BPSK	135	69	23.12	23.20	23.15			
100	PV2 BPSK	135	138	22.54	22.74	22.65	23.5	0.5	
100	PV2 BPSK	270	0	22.62	22.90	22.48			
100	QPSK	1	1	23.24	23.31	23.17	24.0	0.0	
100	QPSK	1	137	23.09	23.18	23.06			
100	QPSK	1	271	23.20	23.25	23.14			
100	QPSK	135	0	22.19	22.27	22.14		1.0	
100	QPSK	135	69	23.23	23.25	23.25			
100	QPSK	135	138	22.32	22.14	22.18	23.0	1.0	
100	QPSK	270	0	22.23	22.27	22.17			
100	16QAM	1	1	22.08	22.16	22.11	23.0	1.0	
100	64QAM	1	1	20.35	20.55	20.54	21.5	2.5	
100	256QAM	1	1	18.94	19.05	18.98	19.5	4.5	
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	23.09	23.14	23.13	24.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	23.06	23.22	23.11	24.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	23.03	23.18	23.13	24.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	23.09	23.21	23.16	24.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	23.06	23.23	23.13	24.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.10	23.14	23.15	24.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	23.07	23.16	23.23	24.0	0.0	
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	23.06	23.21	23.11	24.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	23.02	23.24	23.14	24.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	23.02	23.15	23.18	24.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	23.10	23.12	23.12	24.0	0.0	

Part270 n77 PC2 Ant8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				656000	666000	666000	27.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	25.97	26.07	25.81	27.0	0.0	
100	PV2 BPSK	1	137	25.99	26.14	26.04			
100	PV2 BPSK	1	271	25.99	26.06	25.95			
100	PV2 BPSK	135	0	25.41	25.73	25.58		0.5	
100	PV2 BPSK	135	69	26.09	26.13	26.00			
100	PV2 BPSK	135	138	25.50	25.64	25.51	26.5	0.5	
100	PV2 BPSK	270	0	25.49	25.74	25.48			
100	QPSK	1	1	26.18	26.21	26.15	27.0	0.0	
100	QPSK	1	137	26.00	26.02	26.02			
100	QPSK	1	271	26.04	26.07	25.96			
100	QPSK	135	0	25.11	25.18	25.05		1.0	
100	QPSK	135	69	26.13	26.19	26.17			
100	QPSK	135	138	25.17	25.11	25.09	26.0	1.0	
100	QPSK	270	0	25.10	25.17	25.12			
100	16QAM	1	1	24.94	25.06	25.03	26.0	1.0	
100	64QAM	1	1	23.26	23.50	23.38	24.5	2.5	
100	256QAM	1	1	21.60	22.03	21.93	22.5	4.5	
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	25.92	26.04	26.10	27.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	25.95	26.05	26.02	27.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	25.99	26.02	26.07	27.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	25.91	26.05	26.05	27.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	25.96	26.12	26.09	27.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	25.92	26.10	26.01	27.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	26.00	26.03	26.12	27.0	0.0	
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	25.95	26.06	26.03	27.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	25.99	26.08	26.11	27.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	25.92	26.07	26.04	27.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	25.96	26.04	26.03	27.0	0.0	

Part270 n78 Ant8									
BW [MHz]	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		22.97			24.0	0.0
100	PI/2 BPSK	1	137		23.13				
100	PI/2 BPSK	1	271		22.99				
100	PI/2 BPSK	135	0		22.66		23.5		
100	PI/2 BPSK	135	69		23.13		24.0	0.0	0.0
100	PI/2 BPSK	135	138		22.72				
100	PI/2 BPSK	270	0		22.70		23.5	0.5	0.5
100	QPSK	1	1		23.20				
100	QPSK	1	137		23.12			24.0	0.0
100	QPSK	1	271		23.14				
100	QPSK	135	0		22.16		23.0		
100	QPSK	135	69		23.16		24.0		
100	QPSK	135	138		22.04		23.0	1.0	1.0
100	QPSK	270	0		22.16				
100	16QAM	1	1		22.10		23.0	1.0	1.0
100	64QAM	1	1		20.48		21.5		
100	256QAM	1	1		18.65		19.5	4.5	4.5
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.92	23.02	23.03	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		22.94	23.00	23.01	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.95	23.00	23.09	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		22.92	23.07	23.02	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		22.97	23.11	22.99	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.98	23.02	22.99	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		22.96	23.11	23.09	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		22.94	23.07	23.07	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		22.94	23.03	23.03	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		22.92	23.11	23.05	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.90	23.07	23.03	24.0	0.0

Part270 n78 PC2 Ant8									
BW [MHz]	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		26.03			27.0	0.0
100	PI/2 BPSK	1	137		26.03				
100	PI/2 BPSK	1	271		26.01				
100	PI/2 BPSK	135	0		25.59		26.5		
100	PI/2 BPSK	135	69		26.12		27.0	0.0	0.0
100	PI/2 BPSK	135	138		25.70				
100	PI/2 BPSK	270	0		25.76		26.5	0.5	0.5
100	QPSK	1	1		26.20				
100	QPSK	1	137		26.03			27.0	0.0
100	QPSK	1	271		26.06				
100	QPSK	135	0		25.10		26.0		
100	QPSK	135	69		26.19		27.0		
100	QPSK	135	138		25.10		26.0	1.0	1.0
100	QPSK	270	0		25.12				
100	16QAM	1	1		25.02		26.0	1.0	1.0
100	64QAM	1	1		23.46		24.5		
100	256QAM	1	1		21.96		22.5	4.5	4.5
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.87	25.99	25.88	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		25.94	26.01	25.90	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.91	26.00	25.85	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		25.94	26.02	25.91	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		25.95	25.93	25.82	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.93	25.92	25.87	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		25.89	25.99	25.86	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		25.93	25.96	25.82	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		25.87	25.94	25.93	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		25.87	25.92	25.83	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		25.89	26.01	25.86	27.0	0.0

Part270 n77 PC3&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				650000	660000	660000	16.8	0.0	
Frequency (MHz)				3750	3840	3830			
100	PI/2 BPSK	1	1	15.73	15.75	15.83	16.8	0.0	
100	PI/2 BPSK	1	137	15.73	15.81	15.81			
100	PI/2 BPSK	1	271	15.80	15.75	15.75			
100	PI/2 BPSK	135	0	15.81	15.78	15.74			
100	PI/2 BPSK	135	69	15.76	15.83	15.80	16.8	0.0	
100	PI/2 BPSK	135	138	15.78	15.75	15.76			
100	PI/2 BPSK	270	0	15.73	15.78	15.82	16.8	0.0	
100	QPSK	1	1	15.82	15.88	15.84			
100	QPSK	1	137	15.76	15.78	15.81			
100	QPSK	1	271	15.76	15.85	15.83			
100	QPSK	135	0	15.80	15.80	15.75	16.8	0.0	
100	QPSK	135	69	15.83	15.85	15.80			
100	QPSK	135	138	15.80	15.77	15.81	16.8	0.0	
100	QPSK	270	0	15.81	15.82	15.75			
100	16QAM	1	1	15.76	15.77	15.82	16.8	0.0	
100	64QAM	1	1	15.78	15.83	15.73			
100	256QAM	1	1	15.83	15.84	15.83	16.8	0.0	
Channel				648668	660000	662334			
Frequency (MHz)				3745.02	3840	3935.01	16.8	0.0	
90	QPSK	1	1	15.73	15.75	15.80		16.8	
Channel				649334	660000	662668	16.8	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	15.68	15.71	15.70	16.8	0.0	
Channel				649000	660000	663000			
Frequency (MHz)				3735	3840	3945	16.8	0.0	
70	QPSK	1	1	15.69	15.78	15.75		16.8	
Channel				648668	660000	663334	16.8	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.68	15.73	15.69	16.8	0.0	
Channel				648334	660000	663668			
Frequency (MHz)				3725.01	3840	3955.02	16.8	0.0	
50	QPSK	1	1	15.74	15.74	15.71		16.8	
Channel				648000	660000	664000	16.8	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.73	15.71	15.79	16.8	0.0	
Channel				647668	660000	664334			
Frequency (MHz)				3715.02	3840	3965.01	16.8	0.0	
30	QPSK	1	1	15.78	15.80	15.75		16.8	
Channel				647500	660000	664500	16.8	0.0	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	15.67	15.72	15.76	16.8	0.0	
Channel				647334	660000	664668			
Frequency (MHz)				3710.01	3840	3970.02	16.8	0.0	
20	QPSK	1	1	15.67	15.71	15.75		16.8	
Channel				647168	660000	664834	16.8	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	15.78	15.74	15.76	16.8	0.0	
Channel				647000	660000	665000			
Frequency (MHz)				3705	3840	3975	16.8	0.0	
10	QPSK	1	1	15.68	15.82	15.74		16.8	

Part270 n78 PC3&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				650000	660000	660000	16.8	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		15.76		16.8	0.0	
100	PI/2 BPSK	1	137		15.76				
100	PI/2 BPSK	1	271		15.76				
100	PI/2 BPSK	135	0		15.70				
100	PI/2 BPSK	135	69		15.76		16.8	0.0	
100	PI/2 BPSK	135	138		15.70				
100	PI/2 BPSK	270	0		15.71		16.8	0.0	
100	QPSK	1	1		15.80				
100	QPSK	1	137		15.75				
100	QPSK	1	271		15.76				
100	QPSK	135	0		15.73		16.8	0.0	
100	QPSK	135	69		15.78				
100	QPSK	135	138		15.70		16.8	0.0	
100	QPSK	270	0		15.76				
100	16QAM	1	1		15.76		16.8	0.0	
100	64QAM	1	1		15.76			16.8	
100	256QAM	1	1		15.76				
Channel				648668	650000	660334	16.8	0.0	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		15.74	15.77	16.8	0.0	
Channel				649334	650000	660668			
Frequency (MHz)				3740.01	3750	3760.02	16.8	0.0	
80	QPSK	1	1		15.77	15.77		16.8	
Channel				649000	650000	661000			
Frequency (MHz)				3735	3750	3765	16.8	0.0	
70	QPSK	1	1		15.75	15.79		16.8	
Channel				648668	650000	661334	16.8	0.0	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		15.67	15.79	16.8	0.0	
Channel				648334	650000	661668			
Frequency (MHz)				3725.01	3750	3775.02	16.8	0.0	
50	QPSK	1	1		15.69	15.74		16.8	
Channel				648000	650000	662000	16.8	0.0	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		15.68	15.77	16.8	0.0	
Channel				647668	650000	662334			
Frequency (MHz)				3715.02	3750	3785.01	16.8	0.0	
30	QPSK	1	1		15.68	15.75		16.8	
Channel				647500	650000	662500	16.8	0.0	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		15.71	15.76	16.8	0.0	
Channel				647334	650000	662668			
Frequency (MHz)				3710.01	3750	3790.02	16.8	0.0	
20	QPSK	1	1		15.77	15.74		16.8	
Channel				647168	650000	662834	16.8	0.0	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		15.75	15.78	16.8	0.0	
Channel				647000	650000	663000			
Frequency (MHz)				3705	3750	3795	16.8	0.0	
10	QPSK	1	1		15.76	15.74		16.8	

Part270 n77 PC3&2 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	20.8	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.80	19.81	19.82	20.8	0.0	
100	PI/2 BPSK	1	137	19.74	19.77	19.82			
100	PI/2 BPSK	1	271	19.80	19.82	19.82			
100	PI/2 BPSK	135	0	19.82	19.77	19.77			
100	PI/2 BPSK	135	69	19.76	19.76	19.77	20.8	0.0	
100	PI/2 BPSK	135	138	19.74	19.77	19.82			
100	PI/2 BPSK	270	0	19.76	19.83	19.82			
100	QPSK	1	1	19.83	19.85	19.84			
100	QPSK	1	137	19.82	19.81	19.82	20.8	0.0	
100	QPSK	1	271	19.83	19.79	19.81			
100	QPSK	135	0	19.76	19.77	19.75			
100	QPSK	135	69	19.70	19.85	19.82			
100	QPSK	135	138	19.75	19.77	19.80	20.8	0.0	
100	QPSK	270	0	19.81	19.82	19.78			
100	16QAM	1	1	19.77	19.81	19.75		20.8	
100	64QAM	1	1	19.75	19.81	19.80			
100	256QAM	1	1	19.83	19.75	19.77			
Channel				648668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	19.73	19.69	19.74	20.8	0.0	
Channel				649334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	19.70	19.67	19.72	20.8	0.0	
Channel				649000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	19.69	19.77	19.73	20.8	0.0	
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	19.70	19.65	19.67	20.8	0.0	
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	19.65	19.74	19.76	20.8	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.69	19.78	19.69	20.8	0.0	
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	19.68	19.76	19.73	20.8	0.0	
Channel				647500	650000	654500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	19.73	19.75	19.74	20.8	0.0	
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	19.73	19.78	19.71	20.8	0.0	
Channel				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	19.70	19.75	19.68	20.8	0.0	
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	19.65	19.76	19.66	20.8	0.0	

Part270 n78 PC3&2 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	20.8	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1			19.70	20.8	0.0	
100	PI/2 BPSK	1	137			19.74			
100	PI/2 BPSK	1	271			19.73			
100	PI/2 BPSK	135	0			19.77			
100	PI/2 BPSK	135	69			19.75	20.8	0.0	
100	PI/2 BPSK	135	138			19.74			
100	PI/2 BPSK	270	0			19.69			
100	QPSK	1	1			19.79			
100	QPSK	1	137			19.72	20.8	0.0	
100	QPSK	1	271			19.69			
100	QPSK	135	0			19.68			
100	QPSK	135	69			19.76			
100	QPSK	135	138			19.68	20.8	0.0	
100	QPSK	270	0			19.71			
100	16QAM	1	1			19.76		20.8	
100	64QAM	1	1			19.75			
100	256QAM	1	1			19.76			
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1			19.65	19.74	20.8	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1			19.72	19.73	20.8	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1			19.65	19.67	19.75	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1			19.65	19.72	19.74	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1			19.74	19.67	19.66	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1			19.70	19.69	19.70	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3783.01			
30	QPSK	1	1			19.65	19.68	19.73	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1			19.73	19.66	19.72	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1			19.72	19.70	19.76	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1			19.66	19.67	19.70	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1			19.69	19.72	19.66	

n38 Ant2									
BW [MHz]	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)				2590.02	2600	2609.98			
40	PI/2 BPSK	1	1	22.46	22.51	22.53	24.0	0.0	
40	PI/2 BPSK	1	53	22.40	22.60	22.42			
40	PI/2 BPSK	1	104	22.49	22.55	22.44			
40	PI/2 BPSK	50	0	22.04	22.18	22.10		0.5	
40	PI/2 BPSK	50	26	22.54	22.36	22.49	24.0		0.0
40	PI/2 BPSK	50	56	21.97	22.16	21.94	23.5		0.5
40	PI/2 BPSK	100	0	22.06	22.10	21.91	24.0	0.0	
40	QPSK	1	1	22.55	22.63	22.56			
40	QPSK	1	53	22.51	22.59	22.54			
40	QPSK	1	104	22.42	22.50	22.40			
40	QPSK	50	0	21.57	21.61	21.48	23.0		1.0
40	QPSK	50	26	22.57	22.59	22.56	24.0		0.0
40	QPSK	50	56	21.54	21.59	21.57	23.0	1.0	
40	QPSK	100	0	21.57	21.58	21.53			
40	16QAM	1	1	21.42	21.54	21.44	23.0		1.0
40	64QAM	1	1	19.80	19.88	19.82	21.5		2.5
40	256QAM	1	1	18.32	18.44	18.32	19.5		4.5
Channel				517002	518000	520098	24.0	0.0	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.58	22.58	22.50	24.0		0.0
Channel				516504	519000	521496	24.0	0.0	
Frequency (MHz)				2562.52	2595	2607.48			
25	QPSK	1	1	22.53	22.52	22.58	24.0		0.0
Channel				516200	519000	522000	24.0	0.0	
Frequency (MHz)				2560	2595	2610			
20	QPSK	1	1	22.57	22.62	22.59	24.0		0.0
Channel				515502	519000	522498	24.0	0.0	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.58	22.58	22.49	24.0		0.0
Channel				515204	519000	522996	24.0	0.0	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.59	22.53	22.50	24.0		0.0

n41 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	516598	526000	24.0	0.0	
Frequency (MHz)				2646.01	2692.99	2740			
100	PI/2 BPSK	1	1	22.45	22.57	22.32	24.0	0.0	
100	PI/2 BPSK	1	137	22.37	22.59	22.45			
100	PI/2 BPSK	1	271	22.50	22.50	22.47			
100	PI/2 BPSK	135	0	22.02	22.18	22.08		0.5	
100	PI/2 BPSK	135	69	22.54	22.57	22.49	24.0		0.0
100	PI/2 BPSK	135	138	22.04	22.15	22.01	23.5	0.5	
100	PI/2 BPSK	270	0	22.02	22.16	21.91			
100	QPSK	1	1	22.55	22.66	22.60	24.0	0.0	
100	QPSK	1	137	22.46	22.61	22.55			
100	QPSK	1	271	22.43	22.51	22.48			
100	QPSK	135	0	21.49	21.61	21.48		23.0	
100	QPSK	135	69	22.62	22.63	22.57	24.0		0.0
100	QPSK	135	138	21.58	21.64	21.48	23.0	1.0	
100	QPSK	270	0	21.59	21.60	21.57			
100	16QAM	1	1	21.47	21.43	21.53	23.0		1.0
100	64QAM	1	1	19.78	19.89	19.72	21.5		2.5
100	256QAM	1	1	18.33	18.45	18.32	19.5		4.5
Channel				505200	516598	526996	24.0	0.0	
Frequency (MHz)				2641	2692.99	2644.98			
90	QPSK	1	1	22.55	22.56	22.59	24.0		0.0
Channel				507204	516598	529998	24.0	0.0	
Frequency (MHz)				2636.02	2692.99	2649.99			
80	QPSK	1	1	22.53	22.60	22.54	24.0		0.0
Channel				505202	516598	531000	24.0	0.0	
Frequency (MHz)				2631.01	2692.99	2655			
70	QPSK	1	1	22.52	22.52	22.59	24.0		0.0
Channel				505200	516598	531996	24.0	0.0	
Frequency (MHz)				2626	2692.99	2659.98			
60	QPSK	1	1	22.53	22.62	22.52	24.0		0.0
Channel				504204	516598	532996	24.0	0.0	
Frequency (MHz)				2621.02	2692.99	2664.99			
50	QPSK	1	1	22.58	22.58	22.56	24.0		0.0
Channel				503700	516598	533496	24.0	0.0	
Frequency (MHz)				2518.5	2692.99	2667.48			
45	QPSK	1	1	22.55	22.56	22.59	24.0		0.0
Channel				503202	516598	534000	24.0	0.0	
Frequency (MHz)				2516.01	2692.99	2670			
40	QPSK	1	1	22.58	22.54	22.59	24.0		0.0
Channel				502704	516598	534498	24.0	0.0	
Frequency (MHz)				2513.52	2692.99	2672.49			
35	QPSK	1	1	22.54	22.57	22.49	24.0		0.0
Channel				502200	516598	534996	24.0	0.0	
Frequency (MHz)				2511	2692.99	2674.86			
30	QPSK	1	1	22.51	22.58	22.49	24.0		0.0
Channel				501702	516598	535500	24.0	0.0	
Frequency (MHz)				2508.51	2692.99	2677.5			
25	QPSK	1	1	22.57	22.55	22.57	24.0		0.0
Channel				501204	516598	535998	24.0	0.0	
Frequency (MHz)				2506.02	2692.99	2679.89			
20	QPSK	1	1	22.59	22.57	22.52	24.0		0.0
Channel				500700	516598	536496	24.0	0.0	
Frequency (MHz)				2503.5	2692.99	2682.48			
15	QPSK	1	1	22.57	22.55	22.57	24.0		0.0
Channel				500202	516598	537000	24.0	0.0	
Frequency (MHz)				2501.01	2692.99	2684			
10	QPSK	1	1	22.60	22.58	22.57	24.0		0.0

n38 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				516004	516000	516998	23.2	0.0	
Frequency (MHz)				2590.02	2698	2699.98			
40	Pi/2 BPSK	1	1	21.75	21.80	21.71	23.2	0.0	
40	Pi/2 BPSK	1	53	21.73	21.75	21.75			
40	Pi/2 BPSK	1	104	21.70	21.77	21.71			
40	Pi/2 BPSK	50	0	21.66	21.69	21.72			
40	Pi/2 BPSK	50	26	21.65	21.69	21.74	23.2	0.0	
40	Pi/2 BPSK	50	56	21.66	21.71	21.72			
40	Pi/2 BPSK	100	0	21.75	21.78	21.74			
40	QPSK	1	1	21.66	21.81	21.75			
40	QPSK	1	53	21.72	21.70	21.76	23.2	0.0	
40	QPSK	1	104	21.67	21.74	21.75			
40	QPSK	50	0	21.72	21.78	21.77			
40	QPSK	50	26	21.74	21.79	21.85			
40	QPSK	50	56	21.71	21.69	21.71	23.0	0.2	
40	QPSK	100	0	21.74	21.75	21.73			
40	16QAM	1	1	21.70	21.76	21.73			
40	64QAM	1	1	20.48	20.59	20.56			
40	256QAM	1	1	19.15	19.15	19.10	19.5	3.7	
Channel				517002	516900	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2598	2603.99			
30	QPSK	1	1	21.74	21.72	21.75	23.2	0.0	
Channel				516504	519000	521498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	21.73	21.67	21.71	23.2	0.0	
Channel				516200	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	21.72	21.74	21.72	23.2	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	21.73	21.77	21.72	23.2	0.0	
Channel				516204	519000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	21.66	21.66	21.65	23.2	0.0	

n41 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				505202	516598	528000	23.2	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi/2 BPSK	1	1	21.75	21.71	21.76	23.2	0.0	
100	Pi/2 BPSK	1	137	21.78	21.75	21.71			
100	Pi/2 BPSK	1	271	21.76	21.82	21.76			
100	Pi/2 BPSK	135	0	21.73	21.75	21.73			
100	Pi/2 BPSK	135	69	21.71	21.82	21.79	23.2	0.0	
100	Pi/2 BPSK	135	138	21.79	21.71	21.72			
100	Pi/2 BPSK	270	0	21.77	21.77	21.75			
100	QPSK	1	1	21.75	21.86	21.79			
100	QPSK	1	137	21.76	21.80	21.69	23.2	0.0	
100	QPSK	1	271	21.72	21.83	21.78			
100	QPSK	135	0	21.80	21.81	21.72			
100	QPSK	135	69	21.75	21.84	21.79			
100	QPSK	135	138	21.74	21.76	21.75	23.0	0.2	
100	QPSK	270	0	21.72	21.79	21.74			
100	16QAM	1	1	21.79	21.81	21.70			
100	64QAM	1	1	20.47	20.58	20.54			
100	256QAM	1	1	19.16	19.21	19.15	19.5	3.7	
Channel				506200	516598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	21.69	21.73	21.67	23.2	0.0	
Channel				507204	516598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	21.63	21.68	21.68	23.2	0.0	
Channel				506202	516598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	21.66	21.76	21.64	23.2	0.0	
Channel				505200	516598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	21.69	21.68	21.67	23.2	0.0	
Channel				504204	516598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2664.99			
50	QPSK	1	1	21.69	21.70	21.65	23.2	0.0	
Channel				503700	516598	533498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	21.75	21.71	21.75	23.2	0.0	
Channel				503202	516598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	21.66	21.78	21.73	23.2	0.0	
Channel				502704	516598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	21.72	21.67	21.64	23.2	0.0	
Channel				502200	516598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.72	21.67	21.73	23.2	0.0	
Channel				501702	516598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	21.74	21.75	21.73	23.2	0.0	
Channel				501204	516598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.73	21.75	21.63	23.2	0.0	
Channel				500700	516598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	21.65	21.69	21.71	23.2	0.0	
Channel				500202	516598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2684			
10	QPSK	1	1	21.72	21.67	21.66	23.2	0.0	

Reduced Power Mode for EC13

n5 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166500	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.71	22.73	22.65		
20	QPSK	50	28	22.65	22.69	22.61	24.0	0.0
20	QPSK	100	0	21.67	21.68	21.65	23.0	1.0

n26 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164000	165300	167800	24.0	0.0
Frequency (MHz)				820	831.5	839		
20	QPSK	1	1	22.68	22.75	22.71		
20	QPSK	50	28	22.68	22.72	22.70	24.0	0.0
20	QPSK	100	0	21.65	21.68	21.63	23.0	1.0

n38 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	518000	516996	22.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	21.24	21.27	21.22		
40	QPSK	50	28	21.21	21.25	21.06	22.5	0.0
40	QPSK	100	0	21.19	21.23	21.18	22.5	0.0

n41 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	518000	516996	22.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
100	QPSK	1	1	21.27	21.31	21.28		
100	QPSK	135	69	21.25	21.29	21.24	22.5	0.0
100	QPSK	270	0	21.23	21.27	21.25	22.5	0.0

n5 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	22.4	0.0
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	21.16	21.19	21.15		
20	QPSK	50	28	21.13	21.15	21.09	22.4	0.0
20	QPSK	100	0	21.08	21.11	21.07	22.4	0.0

n26 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	165300	167800	22.4	0.0
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	21.21	21.25	21.19		
20	QPSK	50	28	21.18	21.23	21.17	22.4	0.0
20	QPSK	100	0	21.15	21.20	21.13	22.4	0.0

n7 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	18.0	0.0
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	16.75	16.78	16.77		
50	QPSK	135	68	16.73	16.75	16.69	18.0	0.0
50	QPSK	270	0	16.71	16.73	16.65	18.0	0.0

n38 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	518000	516996	18.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	17.18	17.21	17.19		
40	QPSK	50	28	17.15	17.19	17.08	18.5	0.0
40	QPSK	100	0	17.11	17.15	17.13	18.5	0.0

n41 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509002	510500	520000	18.5	0.0
Frequency (MHz)				2545.01	2592.59	2640		
100	QPSK	1	1	17.26	17.27	17.21		
100	QPSK	135	69	17.16	17.24	17.19	18.5	0.0
100	QPSK	270	0	17.21	17.23	17.18	18.5	0.0

n7 Ant 2								
BW [MHz]	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	20.9	0.0
Frequency (MHz)				2545	2555	2565		
50	QPSK	1	1	20.03	20.05	20.01		
50	QPSK	135	68	19.98	20.02	19.95	20.9	0.0
50	QPSK	270	0	19.99	20.01	19.97	20.9	0.0

n71 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				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				683	680.5	683		
20	PI/2 BPSK	1	1	22.48	22.72	22.52	24.0	0.0
20	PI/2 BPSK	1	53	22.63	22.74	22.49		
20	PI/2 BPSK	1	104	22.63	22.64	22.63		
20	PI/2 BPSK	50	0	22.03	22.26	22.15	23.5	0.5
20	PI/2 BPSK	50	28	22.61	22.82	22.69	24.0	0.0
20	PI/2 BPSK	50	55	22.20	22.35	22.11	23.5	0.5
20	PI/2 BPSK	100	0	22.12	22.26	22.16		
20	QPSK	1	1	22.77	22.84	22.79	24.0	0.0
20	QPSK	1	53	22.64	22.76	22.72		
20	QPSK	1	104	22.66	22.71	22.63		
20	QPSK	50	0	21.70	21.72	21.73	23.0	1.0
20	QPSK	50	28	22.70	22.73	22.66	24.0	0.0
20	QPSK	50	55	21.75	21.71	21.70	23.0	1.0
20	QPSK	100	0	21.68	21.71	21.66		
20	16QAM	1	1	21.60	21.62	21.63	23.0	1.0
20	64QAM	1	1	19.90	19.99	19.94	21.5	2.5
20	256QAM	1	1	18.51	18.75	18.51	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.85	22.65	22.54	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.57	22.73	22.51	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.58	22.72	22.58	24.0	0.0

n71 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				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	21.03	21.12	21.10		
20	PI/2 BPSK	1	53	21.07	21.16	21.02	22.5	0.0
20	PI/2 BPSK	1	104	21.18	21.23	21.13		
20	PI/2 BPSK	50	0	20.65	20.82	20.60	22.0	0.5
20	PI/2 BPSK	50	28	21.14	21.23	21.21	22.5	0.0
20	PI/2 BPSK	50	56	20.69	20.82	20.57		
20	PI/2 BPSK	100	0	20.63	20.73	20.56	22.0	0.5
20	QPSK	1	1	21.19	21.25	21.22		
20	QPSK	1	53	21.14	21.18	21.23	22.5	0.0
20	QPSK	1	104	21.18	21.19	21.08		
20	QPSK	50	0	20.11	20.19	20.21	21.5	1.0
20	QPSK	50	28	21.21	21.22	21.17	22.5	0.0
20	QPSK	50	56	20.23	20.21	20.16		
20	QPSK	100	0	20.17	20.23	20.16	21.5	1.0
20	16QAM	1	1	20.10	20.13	20.15	21.5	1.0
20	64QAM	1	1	18.40	18.55	18.41	20.0	2.5
20	256QAM	1	1	17.03	17.15	17.06	18.0	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	21.05	21.19	21.00	22.5	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	21.11	21.24	21.07	22.5	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	21.09	21.17	21.09	22.5	0.0

Part270 n77 PC3&2 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	18.05	18.09	18.07			
100	PI/2 BPSK	1	137	18.06	18.14	18.13	19.1	0.0	
100	PI/2 BPSK	1	271	18.14	18.11	18.08			
100	PI/2 BPSK	135	0	18.13	18.14	18.10	19.1	0.0	
100	PI/2 BPSK	135	69	18.07	18.10	18.11	19.1	0.0	
100	PI/2 BPSK	135	138	18.06	18.12	18.05	19.1	0.0	
100	PI/2 BPSK	270	0	18.06	18.13	18.05			
100	QPSK	1	1	18.14	18.19	18.13			
100	QPSK	1	137	18.09	18.09	18.11	19.1	0.0	
100	QPSK	1	271	18.14	18.14	18.11			
100	QPSK	135	0	18.05	18.17	18.13	19.1	0.0	
100	QPSK	135	69	18.12	18.18	18.11	19.1	0.0	
100	QPSK	135	138	18.11	18.15	18.10	19.1	0.0	
100	QPSK	270	0	18.13	18.15	18.09			
100	16QAM	1	1	18.16	18.18	18.05	19.1	0.0	
100	64QAM	1	1	18.14	18.10	18.08	19.1	0.0	
100	256QAM	1	1	18.08	18.08	18.06	19.1	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	17.98	18.06	17.99	19.1	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.01	18.05	17.95	19.1	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	17.97	18.07	17.95	19.1	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	17.99	18.02	18.03	19.1	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.00	18.10	17.95	19.1	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.04	18.03	18.05	19.1	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	18.05	18.08	18.04	19.1	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	18.05	18.03	17.98	19.1	0.0	
Channel				647000	656000	664968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.05	18.01	18.04	19.1	0.0	
Channel				646668	656000	665300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.01	18.04	17.98	19.1	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.04	18.09	18.01	19.1	0.0	

Part270 n78 PC3&2 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						
100	PI/2 BPSK	1	137				19.1	0.0	
100	PI/2 BPSK	1	271						
100	PI/2 BPSK	135	0				19.1	0.0	
100	PI/2 BPSK	135	69				19.1	0.0	
100	PI/2 BPSK	135	138				19.1	0.0	
100	PI/2 BPSK	270	0						
100	QPSK	1	1				18.12		
100	QPSK	1	137				18.07	19.1	
100	QPSK	1	271				18.06		
100	QPSK	135	0				18.08	19.1	
100	QPSK	135	69				18.11	19.1	
100	QPSK	135	138				18.09	19.1	
100	QPSK	270	0				18.07		
100	16QAM	1	1				18.02	19.1	
100	64QAM	1	1				18.06	19.1	
100	256QAM	1	1				18.01	19.1	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	17.98	18.09	18.05	19.1	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	18.02	18.11	18.03	19.1	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	17.98	18.07	18.05	19.1	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	18.06	18.10	17.97	19.1	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	17.98	18.02	18.05	19.1	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	18.00	18.09	18.04	19.1	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	17.98	18.07	18.02	19.1	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	17.99	18.11	18.03	19.1	0.0	
Channel				647000	650000	652968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	17.96	18.03	17.96	19.1	0.0	
Channel				646668	650000	653264	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	18.00	18.08	17.99	19.1	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	17.99	18.11	18.05	19.1	0.0	

Part270 n77 PC3&2 Ant8									
BW [MHz]	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	24.7	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	23.19	23.21	23.20	24.7	0.0	
100	PI/2 BPSK	1	137	23.12	23.13	23.20			
100	PI/2 BPSK	1	271	23.11	23.16	23.19			
100	PI/2 BPSK	135	0	23.11	23.19	23.19			
100	PI/2 BPSK	135	69	23.12	23.20	23.12	24.7	0.0	
100	PI/2 BPSK	135	138	23.19	23.11	23.11	24.7	0.0	
100	PI/2 BPSK	270	0	23.14	23.21	23.11	24.7	0.0	
100	QPSK	1	1	23.17	23.23	23.16			
100	QPSK	1	137	23.16	23.14	23.15			
100	QPSK	1	271	23.14	23.14	23.15			
100	QPSK	135	0	23.12	23.11	23.16	24.7	0.0	
100	QPSK	135	69	23.17	23.21	23.19	24.7	0.0	
100	QPSK	135	138	23.16	23.19	23.09	24.7	0.0	
100	QPSK	270	0	23.17	23.19	23.18	24.7	0.0	
100	16QAM	1	1	23.12	23.11	23.13	24.7	0.0	
100	64QAM	1	1	23.14	23.18	23.15	24.5	0.2	
100	256QAM	1	1	21.86	21.99	21.98	22.5	2.2	
Channel				649668	650000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	22.06	23.10	23.06	24.7	0.0	
Channel				649334	650000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	23.11	23.10	23.10	24.7	0.0	
Channel				649000	650000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	23.13	23.13	23.04	24.7	0.0	
Channel				648668	650000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	23.04	23.10	23.13	24.7	0.0	
Channel				648334	650000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	23.09	23.11	23.01	24.7	0.0	
Channel				648000	650000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	23.08	23.07	23.13	24.7	0.0	
Channel				647668	650000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	23.06	23.06	23.02	24.7	0.0	
Channel				647334	650000	664668	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3840	3967.5	(dBm)	(dB)	
25	QPSK	1	1	23.08	23.13	23.02	24.7	0.0	
Channel				647334	650000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	23.03	23.12	23.04	24.7	0.0	
Channel				647168	650000	664834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	1	23.07	23.09	23.01	24.7	0.0	
Channel				647000	650000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	23.10	23.09	23.02	24.7	0.0	

Part270 PC3&2 n78 Ant8									
BW [MHz]	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	24.7	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		23.04		24.7	0.0	
100	PI/2 BPSK	1	137		23.05				
100	PI/2 BPSK	1	271		23.13				
100	PI/2 BPSK	135	0		23.09				
100	PI/2 BPSK	135	69		23.12		24.7	0.0	
100	PI/2 BPSK	135	138		23.13		24.7	0.0	
100	PI/2 BPSK	270	0		23.10		24.7	0.0	
100	QPSK	1	1		23.15				
100	QPSK	1	137		23.14				
100	QPSK	1	271		23.14				
100	QPSK	135	0		23.10		24.7	0.0	
100	QPSK	135	69		23.12		24.7	0.0	
100	QPSK	135	138		23.06		24.7	0.0	
100	QPSK	270	0		23.11		24.7	0.0	
100	16QAM	1	1		23.11		24.7	0.0	
100	64QAM	1	1		23.03		24.5	0.2	
100	256QAM	1	1		21.96		22.5	2.2	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	22.02	23.02	23.02	24.7	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	22.94	23.00	23.01	24.7	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	22.85	23.00	23.02	24.7	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	22.92	23.07	23.02	24.7	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	22.97	23.11	22.99	24.7	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	22.98	23.02	22.99	24.7	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	22.96	23.11	23.09	24.7	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1	22.94	23.07	23.07	24.7	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	23.10	23.13	23.05	24.7	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1	23.05	23.11	23.08	24.7	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	23.04	23.04	23.02	24.7	0.0	

Part270 n77 PC3&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				650000	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.81	15.77	15.72	17.3	0.0	
100	PI/2 BPSK	1	137	15.79	15.82	15.75			
100	PI/2 BPSK	1	271	15.70	15.78	15.77			
100	PI/2 BPSK	135	0	15.72	15.84	15.74			
100	PI/2 BPSK	135	69	15.79	15.84	15.79	17.3	0.0	
100	PI/2 BPSK	135	138	15.78	15.80	15.79	17.3	0.0	
100	PI/2 BPSK	270	0	15.72	15.76	15.82			
100	QPSK	1	1	15.81	15.85	15.76			
100	QPSK	1	137	15.72	15.80	15.81			
100	QPSK	1	271	15.74	15.83	15.75	17.3	0.0	
100	QPSK	135	0	15.80	15.73	15.71			
100	QPSK	135	69	15.81	15.83	15.79			
100	QPSK	135	138	15.72	15.76	15.72			
100	QPSK	270	0	15.78	15.79	15.72	17.3	0.0	
100	16QAM	1	1	15.80	15.80	15.80	17.3	0.0	
100	64QAM	1	1	15.70	15.82	15.75	17.3	0.0	
100	256QAM	1	1	15.74	15.83	15.82	17.3	0.0	
Channel				649668	650000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	15.65	15.73	15.67	17.3	0.0	
Channel				649334	650000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	15.64	15.75	15.62	17.3	0.0	
Channel				649000	650000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	15.73	15.72	15.60	17.3	0.0	
Channel				648668	650000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	15.68	15.77	15.64	17.3	0.0	
Channel				648334	650000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	15.64	15.66	15.63	17.3	0.0	
Channel				648000	650000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	15.70	15.68	15.64	17.3	0.0	
Channel				647668	650000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	15.68	15.75	15.69	17.3	0.0	
Channel				647334	650000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	15.68	15.74	15.67	17.3	0.0	
Channel				647000	650000	665000	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	1	15.65	15.66	15.61	17.3	0.0	
Channel				647000	650000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	15.65	15.77	15.68	17.3	0.0	

Part270 n78 PC3&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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		15.67		17.3	0.0	
100	PI/2 BPSK	1	137		15.67				
100	PI/2 BPSK	1	271		15.67				
100	PI/2 BPSK	135	0		15.67				
100	PI/2 BPSK	135	69		15.67		17.3	0.0	
100	PI/2 BPSK	135	138		15.69		17.3	0.0	
100	PI/2 BPSK	270	0		15.69				
100	QPSK	1	1		15.70				
100	QPSK	1	137		15.68				
100	QPSK	1	271		15.75		17.3	0.0	
100	QPSK	135	0		15.72				
100	QPSK	135	69		15.77				
100	QPSK	135	138		15.75				
100	QPSK	270	0		15.71		17.3	0.0	
100	16QAM	1	1		15.73		17.3	0.0	
100	64QAM	1	1		15.71		17.3	0.0	
100	256QAM	1	1		15.74		17.3	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	15.64	15.67	15.68	17.3	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	15.63	15.77	15.67	17.3	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	15.66	15.72	15.68	17.3	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	15.69	15.71	15.67	17.3	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	15.66	15.67	15.66	17.3	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	15.69	15.70	15.61	17.3	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	15.70	15.76	15.67	17.3	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1	15.68	15.68	15.64	17.3	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	15.70	15.71	15.63	17.3	0.0	
Channel				647000	650000	652934	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1	15.73	15.72	15.63	17.3	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	15.69	15.71	15.68	17.3	0.0	

Part270 n77 PC3&2 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	656000	662000	19.9	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.89	18.92	18.81	19.9	0.0	
100	PI/2 BPSK	1	137	18.84	18.93	18.86			
100	PI/2 BPSK	1	271	18.92	18.85	18.81			
100	PI/2 BPSK	135	0	18.81	18.89	18.82	19.9	0.0	
100	PI/2 BPSK	135	69	18.88	18.85	18.82	19.9	0.0	
100	PI/2 BPSK	135	138	18.90	18.85	18.91	19.9	0.0	
100	PI/2 BPSK	270	0	18.86	18.88	18.83			
100	QPSK	1	1	18.88	18.94	18.90	19.9	0.0	
100	QPSK	1	137	18.92	18.87	18.81			
100	QPSK	1	271	18.81	18.91	18.88			
100	QPSK	135	0	18.91	18.87	18.89	19.9	0.0	
100	QPSK	135	69	18.87	18.93	18.86	19.9	0.0	
100	QPSK	135	138	18.82	18.92	18.85	19.9	0.0	
100	QPSK	270	0	18.88	18.91	18.85			
100	16QAM	1	1	18.81	18.88	18.86	19.9	0.0	
100	64QAM	1	1	18.87	18.93	18.85	19.9	0.0	
100	256QAM	1	1	18.85	18.89	18.81	19.9	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.80	18.82	18.81	19.9	0.0	
Channel				648334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.77	18.86	18.72	19.9	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.74	18.86	18.79	19.9	0.0	
Channel				646266	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.70	18.82	18.80	19.9	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.78	18.86	18.81	19.9	0.0	
Channel				646000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.72	18.81	18.73	19.9	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	18.79	18.83	18.71	19.9	0.0	
Channel				647500	650000	654500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3972.5			
25	QPSK	1	1	18.77	18.81	18.77	19.9	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.78	18.76	18.77	19.9	0.0	
Channel				647168	650000	654634	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.79	18.86	18.77	19.9	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.69	18.75	18.79	19.9	0.0	

Part270 n78 PC3&2 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	19.9	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		18.81		19.9	0.0	
100	PI/2 BPSK	1	137		18.75				
100	PI/2 BPSK	1	271		18.77				
100	PI/2 BPSK	135	0		18.85		19.9	0.0	
100	PI/2 BPSK	135	69		18.82		19.9	0.0	
100	PI/2 BPSK	135	138		18.85		19.9	0.0	
100	PI/2 BPSK	270	0		18.84				
100	QPSK	1	1		18.88		19.9	0.0	
100	QPSK	1	137		18.82				
100	QPSK	1	271		18.81				
100	QPSK	135	0		18.84		19.9	0.0	
100	QPSK	135	69		18.85		19.9	0.0	
100	QPSK	135	138		18.76		19.9	0.0	
100	QPSK	270	0		18.79				
100	16QAM	1	1		18.80		19.9	0.0	
100	64QAM	1	1		18.86		19.9	0.0	
100	256QAM	1	1		18.78		19.9	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	18.74	18.81	18.82	19.9	0.0	
Channel				648334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	18.79	18.82	18.75	19.9	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	18.75	18.76	18.77	19.9	0.0	
Channel				648568	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	18.78	18.83	18.76	19.9	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	18.73	18.82	18.80	19.9	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	18.77	18.80	18.79	19.9	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	18.78	18.77	18.80	19.9	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	18.76	18.81	18.71	19.9	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	18.71	18.77	18.82	19.9	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	18.74	18.85	18.74	19.9	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	18.77	18.81	18.72	19.9	0.0	

n38 Ant2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				516004	516000	516998	
Frequency (MHz)				2550.02	2556	2559.98	
40	PI/2 BPSK	1	1	19.54	19.58	19.59	
40	PI/2 BPSK	1	53	19.54	19.60	19.55	20.9
40	PI/2 BPSK	1	104	19.61	19.59	19.55	
40	PI/2 BPSK	50	0	19.55	19.54	19.53	20.9
40	PI/2 BPSK	50	26	19.55	19.62	19.56	20.9
40	PI/2 BPSK	50	56	19.52	19.53	19.60	20.9
40	PI/2 BPSK	100	0	19.51	19.53	19.55	
40	QPSK	1	1	19.52	19.64	19.55	
40	QPSK	1	53	19.56	19.55	19.60	20.9
40	QPSK	1	104	19.58	19.52	19.56	
40	QPSK	50	0	19.53	19.60	19.58	20.9
40	QPSK	50	26	19.58	19.63	19.62	20.9
40	QPSK	50	56	19.61	19.57	19.52	20.9
40	QPSK	100	0	19.60	19.61	19.56	
40	16QAM	1	1	19.57	19.57	19.52	20.9
40	64QAM	1	1	19.56	19.56	19.54	20.9
40	256QAM	1	1	18.39	18.44	18.32	19.5
Channel				517002	516900	520998	Tune-up limit (dBm)
Frequency (MHz)				2585.01	2596	2604.99	MPR (dB)
30	QPSK	1	1	19.54	19.58	19.55	20.9
Channel				516504	519000	521498	Tune-up limit (dBm)
Frequency (MHz)				2562.52	2596	2607.48	MPR (dB)
25	QPSK	1	1	19.54	19.50	19.50	20.9
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2596	2610	MPR (dB)
20	QPSK	1	1	19.52	19.54	19.57	20.9
Channel				515502	519000	522498	Tune-up limit (dBm)
Frequency (MHz)				2577.51	2596	2612.49	MPR (dB)
15	QPSK	1	1	19.51	19.56	19.57	20.9
Channel				515004	519000	522998	Tune-up limit (dBm)
Frequency (MHz)				2575.02	2596	2614.98	MPR (dB)
10	QPSK	1	1	19.59	19.58	19.55	20.9

n41 Ant2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505202	516598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.37	19.43	19.42	
100	PI/2 BPSK	1	137	19.42	19.41	19.39	20.9
100	PI/2 BPSK	1	271	19.46	19.46	19.42	
100	PI/2 BPSK	135	0	19.46	19.42	19.38	20.9
100	PI/2 BPSK	135	69	19.42	19.40	19.36	20.9
100	PI/2 BPSK	135	138	19.45	19.41	19.44	20.9
100	PI/2 BPSK	270	0	19.43	19.37	19.38	
100	QPSK	1	1	19.44	19.65	19.41	
100	QPSK	1	137	19.43	19.39	19.36	20.9
100	QPSK	1	271	19.45	19.42	19.44	
100	QPSK	135	0	19.36	19.42	19.43	20.9
100	QPSK	135	69	19.43	19.62	19.41	20.9
100	QPSK	135	138	19.38	19.38	19.40	20.9
100	QPSK	270	0	19.38	19.57	19.36	
100	16QAM	1	1	19.35	19.43	19.41	20.9
100	64QAM	1	1	19.46	19.44	19.41	20.9
100	256QAM	1	1	18.13	18.25	18.12	19.5
Channel				505200	516598	528998	Tune-up limit (dBm)
Frequency (MHz)				2544	2592.99	2644.98	MPR (dB)
90	QPSK	1	1	19.58	19.52	19.57	20.9
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	MPR (dB)
80	QPSK	1	1	19.49	19.52	19.60	20.9
Channel				505202	516598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	MPR (dB)
70	QPSK	1	1	19.58	19.51	19.46	20.9
Channel				505200	518598	531998	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	MPR (dB)
60	QPSK	1	1	19.53	19.50	19.49	20.9
Channel				504204	516598	532998	Tune-up limit (dBm)
Frequency (MHz)				2621.02	2592.99	2684.99	MPR (dB)
50	QPSK	1	1	19.48	19.51	19.59	20.9
Channel				503700	518598	533498	Tune-up limit (dBm)
Frequency (MHz)				2518.5	2592.99	2667.48	MPR (dB)
45	QPSK	1	1	19.58	19.55	19.58	20.9
Channel				503202	516598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	MPR (dB)
40	QPSK	1	1	19.55	19.57	19.57	20.9
Channel				502704	518598	534498	Tune-up limit (dBm)
Frequency (MHz)				2513.52	2592.99	2672.49	MPR (dB)
35	QPSK	1	1	19.49	19.58	19.50	20.9
Channel				502200	518598	534998	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.86	MPR (dB)
30	QPSK	1	1	19.53	19.54	19.49	20.9
Channel				501702	518598	535500	Tune-up limit (dBm)
Frequency (MHz)				2508.51	2592.99	2677.5	MPR (dB)
25	QPSK	1	1	19.52	19.56	19.50	20.9
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.89	MPR (dB)
20	QPSK	1	1	19.48	19.51	19.55	20.9
Channel				500700	518598	536498	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	MPR (dB)
15	QPSK	1	1	19.55	19.53	19.58	20.9
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2684	MPR (dB)
10	QPSK	1	1	19.56	19.57	19.57	20.9

n38 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				516004	516000	516996	18.8	0.0
Frequency (MHz)				2590.02	2596	2599.98		
40	PI/2 BPSK	1	1	17.65	17.68	17.63	18.8	0.0
40	PI/2 BPSK	1	53	17.66	17.73	17.65		
40	PI/2 BPSK	1	104	17.72	17.66	17.66		
40	PI/2 BPSK	50	0	17.71	17.69	17.64		
40	PI/2 BPSK	50	26	17.73	17.71	17.61	18.8	0.0
40	PI/2 BPSK	50	56	17.62	17.63	17.67		
40	PI/2 BPSK	100	0	17.67	17.63	17.72		
40	QPSK	1	1	17.66	17.75	17.70		
40	QPSK	1	53	17.69	17.63	17.62	18.8	0.0
40	QPSK	1	104	17.63	17.73	17.72		
40	QPSK	50	0	17.69	17.71	17.72		
40	QPSK	50	26	17.68	17.73	17.69		
40	QPSK	50	56	17.70	17.67	17.67	18.8	0.0
40	QPSK	100	0	17.63	17.67	17.65		
40	16QAM	1	1	17.64	17.62	17.72		
40	64QAM	1	1	17.70	17.68	17.69		
40	256QAM	1	1	17.66	17.65	17.63	18.8	0.0
Channel				517002	516900	520998		
Frequency (MHz)				2585.01	2596	2604.99	18.8	0.0
30	QPSK	1	1	17.69	17.70	17.70		
Channel				516504	516000	521496	18.8	0.0
Frequency (MHz)				2582.52	2596	2607.48		
25	QPSK	1	1	17.67	17.71	17.62	18.8	0.0
Channel				516200	516000	522000		
Frequency (MHz)				2580	2596	2610	18.8	0.0
20	QPSK	1	1	17.64	17.70	17.63		
Channel				515502	516000	522498	18.8	0.0
Frequency (MHz)				2577.51	2596	2612.49		
15	QPSK	1	1	17.71	17.66	17.65	18.8	0.0
Channel				516304	516000	522998		
Frequency (MHz)				2575.02	2596	2614.98	18.8	0.0
10	QPSK	1	1	17.68	17.63	17.68		

n41 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				506202	516598	526000	18.8	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.53	17.48	17.47	18.8	0.0
100	PI/2 BPSK	1	137	17.51	17.54	17.51		
100	PI/2 BPSK	1	271	17.49	17.56	17.52		
100	PI/2 BPSK	135	0	17.56	17.54	17.48		
100	PI/2 BPSK	135	69	17.51	17.50	17.46	18.8	0.0
100	PI/2 BPSK	135	138	17.57	17.52	17.45		
100	PI/2 BPSK	270	0	17.55	17.58	17.58		
100	QPSK	1	1	17.55	17.75	17.56		
100	QPSK	1	137	17.51	17.52	17.50	18.8	0.0
100	QPSK	1	271	17.55	17.57	17.58		
100	QPSK	135	0	17.48	17.56	17.47		
100	QPSK	135	69	17.51	17.73	17.53		
100	QPSK	135	138	17.56	17.54	17.56	18.8	0.0
100	QPSK	270	0	17.49	17.71	17.55		
100	16QAM	1	1	17.54	17.55	17.54		
100	64QAM	1	1	17.47	17.56	17.48		
100	256QAM	1	1	17.48	17.57	17.55	18.8	0.0
Channel				506200	516598	526998		
Frequency (MHz)				2541	2592.99	2644.98	18.8	0.0
90	QPSK	1	1	17.70	17.71	17.72		
Channel				507204	516598	529998	18.8	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.65	17.67	17.63	18.8	0.0
Channel				505202	516598	531000		
Frequency (MHz)				2531.01	2592.99	2655	18.8	0.0
70	QPSK	1	1	17.65	17.69	17.65		
Channel				505200	516598	531996	18.8	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.64	17.73	17.72	18.8	0.0
Channel				504204	516598	532996		
Frequency (MHz)				2621.02	2592.99	2664.99	18.8	0.0
50	QPSK	1	1	17.64	17.67	17.64		
Channel				503700	516598	533496	18.8	0.0
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	17.71	17.64	17.70	18.8	0.0
Channel				503202	516598	534000		
Frequency (MHz)				2516.01	2592.99	2670	18.8	0.0
40	QPSK	1	1	17.66	17.67	17.64		
Channel				502704	516598	534498	18.8	0.0
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	17.62	17.73	17.64	18.8	0.0
Channel				502200	516598	534996		
Frequency (MHz)				2511	2592.99	2674.98	18.8	0.0
30	QPSK	1	1	17.71	17.64	17.61		
Channel				501702	516598	535500	18.8	0.0
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	17.65	17.62	17.72	18.8	0.0
Channel				501204	516598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99	18.8	0.0
20	QPSK	1	1	17.72	17.67	17.65		
Channel				500700	516598	536496	18.8	0.0
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	17.68	17.64	17.62	18.8	0.0
Channel				500202	516598	537000		
Frequency (MHz)				2501.01	2592.99	2684	18.8	0.0
10	QPSK	1	1	17.62	17.72	17.70		

Reduced Power Mode for ECI4

n5 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.71	22.73	22.65		
20	QPSK	50	28	22.65	22.69	22.61	24.0	0.0
20	QPSK	100	0	21.67	21.68	21.65	23.0	1.0

n26 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800	24.0	0.0
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.68	22.75	22.71		
20	QPSK	50	28	22.68	22.72	22.70	24.0	0.0
20	QPSK	100	0	21.65	21.68	21.63	23.0	1.0

n38 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	24.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.64	22.76	22.72		
40	QPSK	50	28	22.67	22.73	22.71	24.0	0.0
40	QPSK	100	0	21.61	21.67	21.65	23.0	1.0

n41 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	24.0	0.0
Frequency (MHz)				2546.01	2562.99	2600		
100	QPSK	1	1	22.86	22.89	22.84		
100	QPSK	135	68	22.93	23.35	22.92	24.0	0.0
100	QPSK	270	0	21.71	21.80	21.79	23.0	1.0

n5 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.58	22.64	22.57		
20	QPSK	50	28	22.52	22.61	22.56	24.0	0.0
20	QPSK	100	0	21.49	21.53	21.51	23.0	1.0

n26 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800	24.0	0.0
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.64	22.68	22.56		
20	QPSK	50	28	22.57	22.67	22.66	24.0	0.0
20	QPSK	100	0	21.56	21.58	21.54	23.0	1.0

n7 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509000	507000	509000	22.0	0.0
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	20.57	20.59	20.53		
50	QPSK	135	68	20.55	20.56	20.48	22.0	0.0
50	QPSK	270	0	19.51	19.52	19.48	21.0	1.0

n38 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	24.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	23.15	23.18	23.16		
40	QPSK	50	28	23.08	23.17	23.15	24.0	0.0
40	QPSK	100	0	22.05	22.12	22.09	23.0	1.0

n41 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	24.0	0.0
Frequency (MHz)				2546.01	2562.99	2600		
100	QPSK	1	1	23.11	23.22	23.15		
100	QPSK	135	68	23.13	23.18	23.15	24.0	0.0
100	QPSK	270	0	22.11	22.15	22.09	23.0	1.0

n7 Ant 2								
BW [MHz]	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	2535	2545		
50	QPSK	1	1	22.53	22.58	22.55		
50	QPSK	135	68	22.51	22.53	22.49	24.0	0.0
50	QPSK	270	0	21.42	21.51	21.49	23.0	1.0

n71 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				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				683	680.5	683		
20	PI/2 BPSK	1	1	22.48	22.72	22.52	24.0	0.0
20	PI/2 BPSK	1	53	22.63	22.74	22.49		
20	PI/2 BPSK	1	104	22.63	22.64	22.63		
20	PI/2 BPSK	50	0	22.03	22.26	22.15	23.5	0.5
20	PI/2 BPSK	50	28	22.61	22.82	22.69	24.0	0.0
20	PI/2 BPSK	50	55	22.20	22.35	22.11	23.5	0.5
20	PI/2 BPSK	100	0	22.12	22.28	22.16		
20	QPSK	1	1	22.77	22.84	22.79	24.0	0.0
20	QPSK	1	53	22.64	22.76	22.72		
20	QPSK	1	104	22.66	22.71	22.63		
20	QPSK	50	0	21.70	21.72	21.73	23.0	1.0
20	QPSK	50	28	22.70	22.73	22.66	24.0	0.0
20	QPSK	50	55	21.75	21.71	21.70	23.0	1.0
20	QPSK	100	0	21.68	21.71	21.66		
20	16QAM	1	1	21.60	21.62	21.63	23.0	1.0
20	64QAM	1	1	19.90	19.99	19.94	21.5	2.5
20	256QAM	1	1	18.51	18.75	18.51	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.85	22.65	22.54	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.57	22.73	22.51	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.58	22.72	22.58	24.0	0.0

n71 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				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	21.03	21.12	21.10		
20	PI/2 BPSK	1	53	21.07	21.16	21.02	22.5	0.0
20	PI/2 BPSK	1	104	21.18	21.23	21.13		
20	PI/2 BPSK	50	0	20.65	20.82	20.60	22.0	0.5
20	PI/2 BPSK	50	28	21.14	21.23	21.21	22.5	0.0
20	PI/2 BPSK	50	56	20.69	20.82	20.57		
20	PI/2 BPSK	100	0	20.63	20.73	20.56	22.0	0.5
20	QPSK	1	1	21.19	21.25	21.22		
20	QPSK	1	53	21.14	21.18	21.23	22.5	0.0
20	QPSK	1	104	21.18	21.19	21.08		
20	QPSK	50	0	20.11	20.19	20.21	21.5	1.0
20	QPSK	50	28	21.21	21.22	21.17	22.5	0.0
20	QPSK	50	56	20.23	20.21	20.16		
20	QPSK	100	0	20.17	20.23	20.16	21.5	1.0
20	16QAM	1	1	20.10	20.13	20.15	21.5	1.0
20	64QAM	1	1	18.40	18.55	18.41	20.0	2.5
20	256QAM	1	1	17.03	17.15	17.06	18.0	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	21.05	21.19	21.00	22.5	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	21.11	21.24	21.07	22.5	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	21.09	21.17	21.09	22.5	0.0

Part270 n77 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	662000	24.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.65	22.61	22.55			
100	PI/2 BPSK	1	137	22.56	22.77	22.65	24.0	0.5	
100	PI/2 BPSK	1	271	22.65	22.67	22.63			
100	PI/2 BPSK	135	0	22.13	22.31	22.17			
100	PI/2 BPSK	135	69	22.64	22.81	22.76	24.0	0.0	
100	PI/2 BPSK	135	138	22.15	22.34	22.14			
100	PI/2 BPSK	270	0	22.18	22.32	22.06			
100	QPSK	1	1	22.79	22.82	22.77	24.0	0.0	
100	QPSK	1	137	22.62	22.73	22.67			
100	QPSK	1	271	22.57	22.72	22.57			
100	QPSK	135	0	21.67	21.78	21.66	23.0	1.0	
100	QPSK	135	69	22.77	22.80	22.75			
100	QPSK	135	138	21.74	21.84	21.61			
100	QPSK	270	0	21.69	21.74	21.65	23.0	1.0	
100	16QAM	1	1	21.58	21.64	21.70			
100	64QAM	1	1	19.99	19.98	19.92			
100	256QAM	1	1	18.56	18.67	18.47	19.5	4.5	
Channel				649668	650000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	22.57	22.76	22.58	24.0	0.0	
Channel				649334	650000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	22.51	22.66	22.52	24.0	0.0	
Channel				649000	650000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	22.51	22.71	22.56	24.0	0.0	
Channel				648668	650000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	22.51	22.74	22.64	24.0	0.0	
Channel				648334	650000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	22.49	22.65	22.52	24.0	0.0	
Channel				648000	650000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	22.52	22.73	22.61	24.0	0.0	
Channel				647688	650000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	22.59	22.88	22.58	24.0	0.0	
Channel				647500	650000	664500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3840	3967.5	(dBm)	(dB)	
25	QPSK	1	1	22.49	22.73	22.59	24.0	0.0	
Channel				647334	650000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	22.48	22.67	22.60	24.0	0.0	
Channel				647168	650000	664834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	1	22.51	22.71	22.56	24.0	0.0	
Channel				647000	650000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	22.53	22.65	22.55	24.0	0.0	

Part270 n77 PC2 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	27.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	25.57	25.55	25.48			
100	PI/2 BPSK	1	137	25.56	25.66	25.63	27.0	0.5	
100	PI/2 BPSK	1	271	25.58	25.56	25.57			
100	PI/2 BPSK	135	0	25.08	25.25	25.10			
100	PI/2 BPSK	135	69	25.69	25.75	25.70	26.5	0.0	
100	PI/2 BPSK	135	138	25.05	25.30	25.11			
100	PI/2 BPSK	270	0	25.03	25.25	25.06			
100	QPSK	1	1	25.79	25.80	25.72	27.0	0.0	
100	QPSK	1	137	25.57	25.62	25.60			
100	QPSK	1	271	25.48	25.70	25.54			
100	QPSK	135	0	24.65	24.74	24.59	26.0	1.0	
100	QPSK	135	69	25.73	25.75	25.72			
100	QPSK	135	138	24.70	24.73	24.59			
100	QPSK	270	0	24.65	24.71	24.67	26.0	1.0	
100	16QAM	1	1	24.49	24.58	24.65			
100	64QAM	1	1	22.87	22.94	22.85		24.5	
100	256QAM	1	1	21.44	21.67	21.38	22.5	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	25.50	25.69	25.60	27.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	25.60	25.72	25.54	27.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	25.53	25.71	25.55	27.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	25.58	25.73	25.55	27.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	25.48	25.76	25.54	27.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	25.57	25.69	25.54	27.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	25.60	25.65	25.59	27.0	0.0	
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	25.54	25.65	25.58	27.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	25.50	25.64	25.63	27.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	25.52	25.67	25.62	27.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	25.56	25.64	25.60	27.0	0.0	

Part270 n78 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	24.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		22.87		24.0	0.0	
100	PI/2 BPSK	1	137		22.85				
100	PI/2 BPSK	1	271		22.60				
100	PI/2 BPSK	135	0		22.24		23.5	0.5	
100	PI/2 BPSK	135	69		22.73		24.0	0.0	
100	PI/2 BPSK	135	138		22.30		23.5	0.5	
100	PI/2 BPSK	270	0		22.17				
100	QPSK	1	1		22.75		24.0	0.0	
100	QPSK	1	137		22.58				
100	QPSK	1	271		22.86				
100	QPSK	135	0		21.76		23.0	1.0	
100	QPSK	135	69		22.73		24.0	0.0	
100	QPSK	135	138		21.80				
100	QPSK	270	0		21.89		23.0	1.0	
100	16QAM	1	1		21.52		23.0	1.0	
100	64QAM	1	1		20.01		21.5	2.5	
100	256QAM	1	1		18.55		19.5	4.5	
Channel				648668	650000	650334	24.0	0.0	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.42	22.50	22.46	24.0	
Channel				649334	650000	650668	24.0	0.0	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		22.44	22.46	22.49	24.0	
Channel				648200	650000	651000	24.0	0.0	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.47	22.50	22.50	24.0	
Channel				648668	650000	651334	24.0	0.0	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.48	22.45	22.42	24.0	
Channel				648334	650000	651668	24.0	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.41	22.48	22.39	24.0	
Channel				648000	650000	652000	24.0	0.0	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.46	22.43	22.47	24.0	
Channel				647850	650000	652334	24.0	0.0	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		22.45	22.51	22.45	24.0	
Channel				647500	650000	652500	24.0	0.0	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		22.44	22.46	22.39	24.0	
Channel				647334	650000	652668	24.0	0.0	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		22.39	22.43	22.49	24.0	
Channel				647168	650000	652834	24.0	0.0	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		22.46	22.41	22.41	24.0	
Channel				647000	650000	653000	24.0	0.0	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.44	22.47	22.41	24.0	

Part270 n78 PC2 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	27.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		25.52		27.0	0.0	
100	PI/2 BPSK	1	137		25.82				
100	PI/2 BPSK	1	271		25.48				
100	PI/2 BPSK	135	0		25.07		26.5	0.5	
100	PI/2 BPSK	135	69		25.83		27.0	0.0	
100	PI/2 BPSK	135	138		25.14		26.5	0.5	
100	PI/2 BPSK	270	0		25.08				
100	QPSK	1	1		25.71		27.0	0.0	
100	QPSK	1	137		25.59				
100	QPSK	1	271		25.55				
100	QPSK	135	0		24.88		26.0	1.0	
100	QPSK	135	69		25.88		27.0	0.0	
100	QPSK	135	138		24.89				
100	QPSK	270	0		24.63		26.0	1.0	
100	16QAM	1	1		24.48		26.0	1.0	
100	64QAM	1	1		22.87		24.5	2.5	
100	256QAM	1	1		21.50		22.5	4.5	
Channel				648668	650000	650334	27.0	0.0	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.50	25.49	25.46	27.0	
Channel				649334	650000	650668	27.0	0.0	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.46	25.44	25.48	27.0	
Channel				648000	650000	651000	27.0	0.0	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.40	25.47	25.44	27.0	
Channel				648668	650000	651334	27.0	0.0	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		25.47	25.45	25.50	27.0	
Channel				648334	650000	651668	27.0	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.47	25.44	25.47	27.0	
Channel				648000	650000	652000	27.0	0.0	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.51	25.42	25.49	27.0	
Channel				647850	650000	652334	27.0	0.0	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		25.49	25.47	25.45	27.0	
Channel				647500	650000	652500	27.0	0.0	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		25.41	25.50	25.52	27.0	
Channel				647334	650000	652668	27.0	0.0	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		25.45	25.51	25.47	27.0	
Channel				647168	650000	652834	27.0	0.0	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		25.40	25.49	25.42	27.0	
Channel				647000	650000	653000	27.0	0.0	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		25.48	25.50	25.52	27.0	

Part270 n77 PC3&2 Ant8									
BW [MHz]	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	660000	660000	24.8	0.0	
Frequency (MHz)				3750	3840	3800			
100	PI/2 BPSK	1	1	23.21	23.17	23.23	24.8	0.0	
100	PI/2 BPSK	1	137	23.17	23.23	23.15			
100	PI/2 BPSK	1	271	23.19	23.21	23.19			
100	PI/2 BPSK	135	0	23.23	23.18	23.22			
100	PI/2 BPSK	135	69	23.14	23.20	23.17	24.8	0.0	
100	PI/2 BPSK	135	138	23.21	23.25	23.16			
100	PI/2 BPSK	270	0	23.19	23.24	23.19			
100	QPSK	1	1	23.24	23.26	23.21			
100	QPSK	1	137	23.14	23.21	23.17	24.8	0.0	
100	QPSK	1	271	23.13	23.24	23.16			
100	QPSK	135	0	23.18	23.20	23.23			
100	QPSK	135	69	23.21	23.24	23.20			
100	QPSK	135	138	23.15	23.23	23.14	24.8	0.0	
100	QPSK	270	0	23.18	23.19	23.15			
100	16QAM	1	1	23.22	23.15	23.14		24.8	
100	64QAM	1	1	23.17	23.23	23.22			
100	256QAM	1	1	21.80	22.03	21.93	22.5	2.3	
Channel				648668	660000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	23.10	23.16	23.15	24.8	0.0	
Channel				649334	660000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	23.06	23.16	23.15	24.8	0.0	
Channel				649000	660000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	23.14	23.17	23.06	24.8	0.0	
Channel				648668	660000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	23.06	23.17	23.05	24.8	0.0	
Channel				648334	660000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	23.05	23.19	23.12	24.8	0.0	
Channel				648000	660000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.05	23.19	23.08	24.8	0.0	
Channel				647668	660000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	23.11	23.17	23.14	24.8	0.0	
Channel				647500	660000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	23.07	23.15	23.09	24.8	0.0	
Channel				647334	660000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	23.13	23.12	23.12	24.8	0.0	
Channel				647168	660000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	23.12	23.12	23.11	24.8	0.0	
Channel				647000	660000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	23.06	23.10	23.14	24.8	0.0	

Part270 n78 PC3&2 Ant8									
BW [MHz]	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	660000	660000	24.8	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		23.15		24.8	0.0	
100	PI/2 BPSK	1	137		23.09				
100	PI/2 BPSK	1	271		23.18				
100	PI/2 BPSK	135	0		23.09				
100	PI/2 BPSK	135	69		23.13		24.8	0.0	
100	PI/2 BPSK	135	138		23.07				
100	PI/2 BPSK	270	0		23.11				
100	QPSK	1	1		23.21				
100	QPSK	1	137		23.15		24.8	0.0	
100	QPSK	1	271		23.09				
100	QPSK	135	0		23.12				
100	QPSK	135	69		23.15				
100	QPSK	135	138		23.08		24.8	0.0	
100	QPSK	270	0		23.13				
100	16QAM	1	1		23.19			24.8	
100	64QAM	1	1		23.09				
100	256QAM	1	1		21.96		22.5	2.3	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	23.11	23.17	23.15	24.8	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	23.15	23.12	23.08	24.8	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	23.04	23.18	23.13	24.8	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	23.06	23.16	23.05	24.8	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	23.14	23.08	23.05	24.8	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	23.15	23.10	23.16	24.8	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	23.15	23.19	23.07	24.8	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	23.07	23.16	23.12	24.8	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	23.09	23.07	23.05	24.8	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	23.09	23.18	23.14	24.8	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	23.07	23.09	23.11	24.8	0.0	

Part270 n77 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				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	23.09	23.34	23.17	24.0	0.0	
100	PI/2 BPSK	1	137	23.27	23.42	23.25			
100	PI/2 BPSK	1	271	23.23	23.23	23.15			
100	PI/2 BPSK	135	0	22.73	22.85	22.82	23.5	0.5	
100	PI/2 BPSK	135	69	23.26	23.39	23.29	24.0	0.0	
100	PI/2 BPSK	135	138	22.81	22.89	22.77	23.5	0.5	
100	PI/2 BPSK	270	0	22.83	22.78	22.89			
100	QPSK	1	1	23.41	23.43	23.39			
100	QPSK	1	137	23.23	23.24	23.29	24.0	0.0	
100	QPSK	1	271	23.24	23.31	23.16			
100	QPSK	135	0	22.32	22.33	22.31	23.0	1.0	
100	QPSK	135	69	23.34	23.39	23.37	24.0	0.0	
100	QPSK	135	138	22.41	22.39	22.21	23.0	1.0	
100	QPSK	270	0	22.33	22.38	22.37			
100	16QAM	1	1	22.18	22.22	22.22	23.0	1.0	
100	64QAM	1	1	20.50	20.58	20.42	21.5	2.5	
100	256QAM	1	1	19.12	19.23	19.19	19.5	4.5	
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	23.22	23.25	23.24	24.0	0.0	
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	23.24	23.34	23.22	24.0	0.0	
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	23.16	23.34	23.13	24.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	23.17	23.25	23.20	24.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	23.16	23.30	23.22	24.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	23.22	23.30	23.14	24.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	23.19	23.31	23.20	24.0	0.0	
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5	(dBm)	(dB)	
25	QPSK	1	1	23.19	23.28	23.18	24.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	23.24	23.30	23.25	24.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	1	23.15	23.27	23.17	24.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	23.17	23.31	23.13	24.0	0.0	

Part270 n77 PC2 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				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	26.13	26.20	26.10	27.0	0.0	
100	PI/2 BPSK	1	137	26.17	26.30	26.24			
100	PI/2 BPSK	1	271	26.11	26.26	26.14			
100	PI/2 BPSK	135	0	25.72	25.82	25.78	26.5	0.5	
100	PI/2 BPSK	135	69	26.22	26.28	26.30	27.0	0.0	
100	PI/2 BPSK	135	138	25.67	25.83	25.69	26.5	0.5	
100	PI/2 BPSK	270	0	25.72	25.78	25.62			
100	QPSK	1	1	26.34	26.38	26.36			
100	QPSK	1	137	26.19	26.28	26.23	27.0	0.0	
100	QPSK	1	271	26.16	26.25	26.17			
100	QPSK	135	0	25.23	25.28	25.20	26.0	1.0	
100	QPSK	135	69	26.29	26.35	26.33	27.0	0.0	
100	QPSK	135	138	25.36	25.32	25.17	26.0	1.0	
100	QPSK	270	0	25.29	25.33	25.25			
100	16QAM	1	1	25.10	25.19	25.20	26.0	1.0	
100	64QAM	1	1	23.37	23.59	23.45	24.5	2.5	
100	256QAM	1	1	22.07	22.18	22.12	22.5	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	26.19	26.28	26.19	27.0	0.0	
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	26.20	26.30	26.22	27.0	0.0	
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	26.14	26.33	26.20	27.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	26.15	26.30	26.22	27.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	26.22	26.32	26.21	27.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	26.21	26.33	26.17	27.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	26.22	26.35	26.24	27.0	0.0	
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5	(dBm)	(dB)	
25	QPSK	1	1	26.15	26.33	26.21	27.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	26.18	26.32	26.22	27.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	1	26.15	26.28	26.18	27.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	26.23	26.37	26.21	27.0	0.0	

Part270 n78 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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		23.21		24.0	0.0	
100	PI/2 BPSK	1	137		23.31				
100	PI/2 BPSK	1	271		23.25				
100	PI/2 BPSK	135	0		22.87		23.5	0.5	
100	PI/2 BPSK	135	69		23.35		24.0	0.0	
100	PI/2 BPSK	135	138		22.82		23.5	0.5	
100	PI/2 BPSK	270	0		22.78				
100	QPSK	1	1		23.38		24.0	0.0	
100	QPSK	1	137		23.26				
100	QPSK	1	271		23.31				
100	QPSK	135	0		22.33		23.0	1.0	
100	QPSK	135	69		23.34		24.0	0.0	
100	QPSK	135	138		22.27		23.0	1.0	
100	QPSK	270	0		22.33				
100	16QAM	1	1		22.17		23.0	1.0	
100	64QAM	1	1		20.60		21.5	2.5	
100	256QAM	1	1		19.22		19.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		23.05	23.22	23.09	24.0	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		23.02	23.19	23.12	24.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		23.08	23.21	23.11	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		23.05	23.21	23.08	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		23.04	23.30	23.03	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		23.07	23.23	23.09	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1		23.05	23.21	23.05	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		23.06	23.26	23.03	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		23.03	23.30	23.04	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		23.03	23.22	23.10	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		23.04	23.28	23.13	24.0	0.0

Part270 n78 PC2 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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	26.23	26.23	26.23	27.0	0.0	
100	PI/2 BPSK	1	137	26.32	26.32	26.32			
100	PI/2 BPSK	1	271	26.18	26.18	26.18			
100	PI/2 BPSK	135	0	25.76	25.76	25.76	26.5	0.5	
100	PI/2 BPSK	135	69	26.29	26.29	26.29	27.0	0.0	
100	PI/2 BPSK	135	138	25.89	25.89	25.89	26.5	0.5	
100	PI/2 BPSK	270	0	25.76	25.76	25.76	26.5	0.5	
100	QPSK	1	1	26.34	26.34	26.34	27.0	0.0	
100	QPSK	1	137	26.21	26.21	26.21			
100	QPSK	1	271	26.33	26.33	26.33			
100	QPSK	135	0	25.30	25.30	25.30	26.0	1.0	
100	QPSK	135	69	26.31	26.31	26.31	27.0	0.0	
100	QPSK	135	138	25.24	25.24	25.24	26.0	1.0	
100	QPSK	270	0	25.30	25.30	25.30	26.0	1.0	
100	16QAM	1	1	25.25	25.25	25.25	26.0	1.0	
100	64QAM	1	1	23.52	23.52	23.52	24.5	2.5	
100	256QAM	1	1	22.24	22.24	22.24	22.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	27.0	0.0	
90	QPSK	1	1	26.05	26.23	26.14	27.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	27.0	0.0	
80	QPSK	1	1	26.09	26.20	26.07	27.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	27.5	4.5	
70	QPSK	1	1	26.07	26.27	26.09	27.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	27.0	0.0	
60	QPSK	1	1	26.14	26.28	26.11	27.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	27.0	0.0	
50	QPSK	1	1	26.05	26.26	26.10	27.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	27.0	0.0	
40	QPSK	1	1	26.05	26.25	26.14	27.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01	27.0	0.0	
30	QPSK	1	1	26.05	26.26	26.13	27.0	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5	27.0	0.0	
25	QPSK	1	1	26.11	26.29	26.06	27.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	27.0	0.0	
20	QPSK	1	1	26.04	26.26	26.02	27.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	27.0	0.0	
15	QPSK	1	1	26.04	26.26	26.12	27.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	27.0	0.0	
10	QPSK	1	1	26.13	26.25	26.07	27.0	0.0	

Part270 n77 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				656000	666000	662000	24.0	0.0	
Frequency (MHz)				3750	3840	3830			
100	PI/2 BPSK	1	1	23.19	23.19	23.22	24.0	0.0	
100	PI/2 BPSK	1	137	23.26	23.30	23.34			
100	PI/2 BPSK	1	271	23.18	23.26	23.19			
100	PI/2 BPSK	135	0	22.83	22.79	22.87		0.5	
100	PI/2 BPSK	135	69	23.36	23.37	23.35	23.5	0.0	
100	PI/2 BPSK	135	138	22.81	22.83	22.80			
100	PI/2 BPSK	270	0	22.83	22.82	22.80			
100	QPSK	1	1	23.39	23.41	23.32			
100	QPSK	1	137	23.25	23.22	23.22	24.0	0.0	
100	QPSK	1	271	23.26	23.23	23.24			
100	QPSK	135	0	22.30	22.27	22.26		1.0	
100	QPSK	135	69	23.35	23.39	23.34		0.0	
100	QPSK	135	138	22.29	22.27	22.32	23.0	1.0	
100	QPSK	270	0	22.32	22.35	22.30			
100	16QAM	1	1	22.21	22.20	22.19		1.0	
100	64QAM	1	1	20.55	20.50	20.61		2.5	
100	256QAM	1	1	19.24	19.24	19.15	4.5		
Channel				648668	666000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	23.29	23.22	23.22	24.0	0.0	
Channel				649334	666000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	23.24	23.24	23.21	24.0	0.0	
Channel				649000	666000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	23.25	23.30	23.20	24.0	0.0	
Channel				648668	666000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	23.23	23.26	23.29	24.0	0.0	
Channel				648334	666000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	23.28	23.22	23.24	24.0	0.0	
Channel				648000	666000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.22	23.30	23.19	24.0	0.0	
Channel				647668	666000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	23.25	23.18	23.29	24.0	0.0	
Channel				647500	666000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	23.27	23.28	23.25	24.0	0.0	
Channel				647334	666000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	23.28	23.26	23.28	24.0	0.0	
Channel				647168	666000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	23.21	23.23	23.29	24.0	0.0	
Channel				647000	666000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	23.19	23.27	23.20	24.0	0.0	

Part270 n77 PC2 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	656000	662000	27.0	0.0				
Frequency (MHz)				3730	3840	3930						
100	PI/2 BPSK	1	1	26.27	26.25	26.23						
100	PI/2 BPSK	1	137	26.33	26.30	26.36						
100	PI/2 BPSK	1	271	26.27	26.29	26.18						
100	PI/2 BPSK	135	0	25.76	25.83	25.80	26.5	0.5				
100	PI/2 BPSK	135	69	26.38	26.34	26.38	27.0	0.0				
100	PI/2 BPSK	135	138	25.80	25.86	25.82	26.5	0.5				
100	PI/2 BPSK	270	0	25.82	25.78	25.73	26.0	0.0				
100	QPSK	1	1	26.34	26.36	26.36	27.0	0.0				
100	QPSK	1	137	26.26	26.20	26.20						
100	QPSK	1	271	26.22	26.22	26.23						
100	QPSK	135	0	25.28	25.26	25.22				26.0	1.0	
100	QPSK	135	69	26.33	26.37	26.31				27.0	0.0	
100	QPSK	135	138	25.32	25.30	25.32	26.0	1.0				
100	QPSK	270	0	25.33	25.35	25.32						
100	16QAM	1	1	25.25	25.25	25.24				26.0	1.0	
100	64QAM	1	1	23.60	23.60	23.57				24.5	2.5	
100	256QAM	1	1	22.26	22.18	22.17				22.5	4.5	
Channel				649856	656000	662334	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3745.02	3840	3935.01						
90	QPSK	1	1	26.26	26.26	26.24	27.0	0.0				
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3740.01	3840	3940.02						
80	QPSK	1	1	26.20	26.30	26.28	27.0	0.0				
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3735	3840	3945						
70	QPSK	1	1	26.31	26.22	26.24	27.0	0.0				
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3730.02	3840	3950.01						
60	QPSK	1	1	26.20	26.30	26.27	27.0	0.0				
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3725.01	3840	3955.02						
50	QPSK	1	1	26.21	26.20	26.28	27.0	0.0				
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3720	3840	3960						
40	QPSK	1	1	26.24	26.22	26.20	27.0	0.0				
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3715.02	3840	3965.01						
30	QPSK	1	1	26.24	26.23	26.29	27.0	0.0				
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3712.5	3840	3967.5						
25	QPSK	1	1	26.26	26.21	26.26	27.0	0.0				
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3710.01	3840	3970.02						
20	QPSK	1	1	26.29	26.30	26.24	27.0	0.0				
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3707.52	3840	3972.51						
15	QPSK	1	1	26.21	26.22	26.22	27.0	0.0				
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3705	3840	3975						
10	QPSK	1	1	26.21	26.26	26.28	27.0	0.0				

Part270 n78 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		23.26		24.0	0.0	
100	PI/2 BPSK	1	137		23.25				
100	PI/2 BPSK	1	271		23.21				
100	PI/2 BPSK	135	0		22.86				
100	PI/2 BPSK	135	69		23.31		24.0	0.0	
100	PI/2 BPSK	135	138		22.81				
100	PI/2 BPSK	270	0		22.77		23.5	0.5	
100	QPSK	1	1		23.35				
100	QPSK	1	137		23.24		24.0	0.0	
100	QPSK	1	271		23.29				
100	QPSK	135	0		22.31				
100	QPSK	135	69		23.34		23.0	1.0	
100	QPSK	135	138		22.28				
100	QPSK	270	0		22.33		23.0	1.0	
100	16QAM	1	1		22.16				
100	64QAM	1	1		20.60		21.5	2.5	
100	256QAM	1	1		11.21				
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	23.26	23.24	23.21	26.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	23.21	23.26	23.29	24.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	23.29	23.21	23.20	26.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	23.25	23.26	23.20	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	23.28	23.18	23.28	26.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	23.25	23.24	23.21	24.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1	23.25	23.29	23.23	26.0	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3767.5			
25	QPSK	1	1	23.19	23.25	23.23	24.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3760.02			
20	QPSK	1	1	23.26	23.27	23.18	26.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	23.23	23.21	23.24	24.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	23.24	23.19	23.23	24.0	0.0	

Part270 n78 PC2 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		26.20		27.0	0.0	
100	PI/2 BPSK	1	137		26.28				
100	PI/2 BPSK	1	271		26.19				
100	PI/2 BPSK	135	0		25.81				
100	PI/2 BPSK	135	69		26.26		27.0	0.0	
100	PI/2 BPSK	135	138		25.91				
100	PI/2 BPSK	270	0		25.83		26.5	0.5	
100	QPSK	1	1		26.32				
100	QPSK	1	137		26.28		27.0	0.0	
100	QPSK	1	271		26.26				
100	QPSK	135	0		25.24				
100	QPSK	135	69		26.27		26.0	1.0	
100	QPSK	135	138		25.26				
100	QPSK	270	0		25.25		26.0	1.0	
100	16QAM	1	1		25.26				
100	64QAM	1	1		23.55		24.5	2.5	
100	256QAM	1	1		22.18				
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	26.30	26.26	26.25	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	26.26	26.20	26.31	27.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	26.23	26.25	26.23	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	26.27	26.24	26.30	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	26.29	26.31	26.23	27.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	26.22	26.27	26.21	27.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1	26.27	26.27	26.25	27.0	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3767.5			
25	QPSK	1	1	26.25	26.26	26.26	27.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3760.02			
20	QPSK	1	1	26.21	26.24	26.28	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	26.28	26.20	26.29	27.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	26.21	26.21	26.22	27.0	0.0	

n38 Ant2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516004	516000	516998	24.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.46	22.51	22.33	24.0	0.0
40	PI/2 BPSK	1	53	22.40	22.60	22.42		
40	PI/2 BPSK	1	104	22.49	22.55	22.44		
40	PI/2 BPSK	50	0	22.04	22.18	22.10		
40	PI/2 BPSK	50	26	22.54	22.39	22.49	24.0	0.0
40	PI/2 BPSK	50	56	21.97	22.16	21.94	23.5	0.5
40	PI/2 BPSK	100	0	22.06	22.10	21.91	24.0	0.0
40	QPSK	1	1	22.55	22.63	22.56		
40	QPSK	1	53	22.51	22.59	22.54		
40	QPSK	1	104	22.42	22.50	22.40		
40	QPSK	50	0	21.57	21.61	21.48	23.0	1.0
40	QPSK	50	26	22.57	22.59	22.56	24.0	0.0
40	QPSK	50	56	21.54	21.59	21.57	23.0	1.0
40	QPSK	100	0	21.57	21.58	21.53	23.0	1.0
40	16QAM	1	1	21.42	21.54	21.44		
40	64QAM	1	1	19.80	19.88	19.82		
40	256QAM	1	1	18.32	18.44	18.32		
Channel				517002	516900	520098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2600.99		
30	QPSK	1	1	22.58	22.58	22.50	24.0	0.0
Channel				516504	519000	521498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.53	22.52	22.58	24.0	0.0
Channel				516200	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.57	22.62	22.59	24.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.58	22.58	22.49	24.0	0.0
Channel				516304	519000	522998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.59	22.53	22.50	24.0	0.0

n41 Ant2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506202	516598	526000	24.0	0.0
Frequency (MHz)				2646.01	2692.99	2640		
100	PI/2 BPSK	1	1	22.45	22.57	22.32	24.0	0.0
100	PI/2 BPSK	1	137	22.37	22.59	22.45		
100	PI/2 BPSK	1	271	22.50	22.50	22.47		
100	PI/2 BPSK	135	0	22.02	22.18	22.08		
100	PI/2 BPSK	135	69	22.54	22.57	22.49	24.0	0.0
100	PI/2 BPSK	135	138	22.04	22.15	22.01	23.5	0.5
100	PI/2 BPSK	270	0	22.02	22.16	21.91	24.0	0.0
100	QPSK	1	1	22.55	22.66	22.60		
100	QPSK	1	137	22.46	22.61	22.55		
100	QPSK	1	271	22.43	22.51	22.48		
100	QPSK	135	0	21.49	21.61	21.48	23.0	1.0
100	QPSK	135	69	22.62	22.63	22.57	24.0	0.0
100	QPSK	135	138	21.58	21.64	21.48	23.0	1.0
100	QPSK	270	0	21.59	21.60	21.57	23.0	1.0
100	16QAM	1	1	21.47	21.43	21.53		
100	64QAM	1	1	19.78	19.89	19.72		
100	256QAM	1	1	18.33	18.45	18.32		
Channel				506200	516598	526998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2641	2692.99	2644.98		
90	QPSK	1	1	22.55	22.56	22.59	24.0	0.0
Channel				507204	516598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636.02	2692.99	2649.99		
80	QPSK	1	1	22.53	22.60	22.54	24.0	0.0
Channel				506202	516598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2631.01	2692.99	2655		
70	QPSK	1	1	22.52	22.52	22.59	24.0	0.0
Channel				505200	516598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2626	2692.99	2659.98		
60	QPSK	1	1	22.53	22.62	22.52	24.0	0.0
Channel				504204	516598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621.02	2692.99	2664.99		
50	QPSK	1	1	22.58	22.58	22.56	24.0	0.0
Channel				503700	516598	533498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2692.99	2667.48		
45	QPSK	1	1	22.55	22.56	22.59	24.0	0.0
Channel				503202	516598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2692.99	2670		
40	QPSK	1	1	22.58	22.54	22.59	24.0	0.0
Channel				502704	516598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2692.99	2672.49		
35	QPSK	1	1	22.54	22.57	22.49	24.0	0.0
Channel				502200	516598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2692.99	2674.86		
30	QPSK	1	1	22.51	22.58	22.49	24.0	0.0
Channel				501702	516598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2692.99	2677.5		
25	QPSK	1	1	22.57	22.55	22.57	24.0	0.0
Channel				501204	516598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2692.99	2679.89		
20	QPSK	1	1	22.59	22.57	22.52	24.0	0.0
Channel				500700	516598	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2692.99	2682.48		
15	QPSK	1	1	22.57	22.55	22.57	24.0	0.0
Channel				500202	516598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2692.99	2684		
10	QPSK	1	1	22.60	22.58	22.57	24.0	0.0

n38 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				518004	519000	519996	18.8	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	17.65	17.68	17.63	18.8	0.0	
40	PI/2 BPSK	1	53	17.66	17.73	17.65			
40	PI/2 BPSK	1	104	17.72	17.66	17.66			
40	PI/2 BPSK	50	0	17.71	17.69	17.64			
40	PI/2 BPSK	50	26	17.73	17.71	17.61	18.8	0.0	
40	PI/2 BPSK	50	56	17.62	17.63	17.67			
40	PI/2 BPSK	100	0	17.67	17.63	17.72			
40	QPSK	1	1	17.66	17.75	17.70			
40	QPSK	1	53	17.69	17.63	17.62	18.8	0.0	
40	QPSK	1	104	17.63	17.73	17.72			
40	QPSK	50	0	17.69	17.71	17.72			
40	QPSK	50	26	17.58	17.73	17.69			
40	QPSK	50	56	17.70	17.67	17.67	18.8	0.0	
40	QPSK	100	0	17.63	17.67	17.65			
40	16QAM	1	1	17.64	17.62	17.72		18.8	
40	64QAM	1	1	17.70	17.68	17.69			
40	256QAM	1	1	17.66	17.65	17.63			
Channel				517002	519000	520998	18.8	0.0	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	17.69	17.70	17.70	18.8	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	17.67	17.71	17.62		18.8	
Channel				516200	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	17.64	17.70	17.63		18.8	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	17.71	17.66	17.65	18.8	0.0	
Channel				516204	519000	522998			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	17.68	17.63	17.68		18.8	

n41 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				506202	518598	528000	18.8	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.53	17.48	17.47	18.8	0.0	
100	PI/2 BPSK	1	137	17.51	17.54	17.51			
100	PI/2 BPSK	1	271	17.49	17.56	17.52			
100	PI/2 BPSK	135	0	17.56	17.54	17.48			
100	PI/2 BPSK	135	69	17.51	17.50	17.46	18.8	0.0	
100	PI/2 BPSK	135	138	17.57	17.52	17.45			
100	PI/2 BPSK	270	0	17.55	17.58	17.58			
100	QPSK	1	1	17.55	17.75	17.56			
100	QPSK	1	137	17.51	17.52	17.50	18.8	0.0	
100	QPSK	1	271	17.55	17.57	17.58			
100	QPSK	135	0	17.48	17.56	17.47			
100	QPSK	135	69	17.51	17.73	17.53			
100	QPSK	135	138	17.56	17.54	17.56	18.8	0.0	
100	QPSK	270	0	17.49	17.71	17.55			
100	16QAM	1	1	17.54	17.55	17.54		18.8	
100	64QAM	1	1	17.47	17.56	17.48			
100	256QAM	1	1	17.48	17.57	17.55			
Channel				506200	518598	528996	18.8	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	17.70	17.71	17.72	18.8	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	17.65	17.67	17.63		18.8	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	17.65	17.69	17.65	18.8	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	17.64	17.73	17.72	18.8	0.0	
Channel				504204	518598	532996			
Frequency (MHz)				2621.02	2592.99	2664.99			
50	QPSK	1	1	17.64	17.67	17.64	18.8	0.0	
Channel				503700	518598	533496			
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	17.71	17.64	17.70	18.8	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	17.66	17.67	17.64	18.8	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	17.62	17.73	17.64	18.8	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	17.71	17.64	17.61	18.8	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	17.65	17.62	17.72	18.8	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	17.72	17.67	17.65	18.8	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	17.68	17.64	17.62	18.8	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2684			
10	QPSK	1	1	17.62	17.72	17.70		18.8	

Reduced Power Mode for EC16

n5 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				168300	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.71	22.73	22.65	24.0	0.0
20	QPSK	50	28	22.85	22.69	22.61	24.0	0.0
20	QPSK	100	0	21.67	21.68	21.65	23.0	1.0

n26 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.68	22.75	22.71	24.0	0.0
20	QPSK	50	28	22.68	22.72	22.70	24.0	0.0
20	QPSK	100	0	21.65	21.68	21.63	23.0	1.0

n38 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2594	2599.98		
40	QPSK	1	1	22.64	22.76	22.72	24.0	0.0
40	QPSK	50	28	22.67	22.73	22.71	24.0	0.0
40	QPSK	100	0	21.61	21.67	21.65	23.0	1.0

n41 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505002	516596	528000		
Frequency (MHz)				2546.01	2562.86	2560		
100	QPSK	1	1	22.86	22.89	22.84	23.7	0.0
100	QPSK	135	69	22.83	22.85	22.82	23.7	0.0
100	QPSK	270	0	21.71	21.80	21.79	23.0	0.7

n5 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				168300	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.58	22.84	22.57	24.0	0.0
20	QPSK	50	28	22.52	22.61	22.56	24.0	0.0
20	QPSK	100	0	21.49	21.53	21.51	23.0	1.0

n26 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.64	22.68	22.56	24.0	0.0
20	QPSK	50	28	22.57	22.67	22.56	24.0	0.0
20	QPSK	100	0	21.56	21.58	21.54	23.0	1.0

n7 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				508000	507000	509000		
Frequency (MHz)				2555	2558	2564		
50	QPSK	1	1	20.23	20.24	20.21	21.1	0.0
50	QPSK	135	68	20.18	20.23	20.21	21.1	0.0
50	QPSK	270	0	19.51	19.52	19.48	21.0	0.1

n38 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	20.89	20.75	20.70	21.9	0.0
40	QPSK	50	28	20.71	20.73	20.65	21.9	0.0
40	QPSK	100	0	20.62	20.72	20.67	21.9	0.0

n41 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505002	516596	528000		
Frequency (MHz)				2546.01	2562.99	2560		
100	QPSK	1	1	20.73	20.78	20.69	21.9	0.0
100	QPSK	135	69	20.74	20.75	20.69	21.9	0.0
100	QPSK	270	0	20.62	20.68	20.61	21.9	0.0

n7 Ant 2								
BW (MHz)	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		
Frequency (MHz)				2555	2535	2545		
50	QPSK	1	1	21.01	21.03	20.97	22.0	0.0
50	QPSK	135	68	20.96	21.01	20.98	22.0	0.0
50	QPSK	270	0	20.96	20.99	20.93	22.0	0.0

n71 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				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				683	680.5	683		
20	PI/2 BPSK	1	1	22.48	22.72	22.52	24.0	0.0
20	PI/2 BPSK	1	53	22.63	22.74	22.49		
20	PI/2 BPSK	1	104	22.63	22.64	22.63		
20	PI/2 BPSK	50	0	22.03	22.26	22.15	23.5	0.5
20	PI/2 BPSK	50	28	22.61	22.82	22.69	24.0	0.0
20	PI/2 BPSK	50	55	22.20	22.35	22.11	23.5	0.5
20	PI/2 BPSK	100	0	22.12	22.28	22.16		
20	QPSK	1	1	22.77	22.84	22.79	24.0	0.0
20	QPSK	1	53	22.64	22.76	22.72		
20	QPSK	1	104	22.66	22.71	22.63		
20	QPSK	50	0	21.70	21.72	21.73	23.0	1.0
20	QPSK	50	28	22.70	22.73	22.66	24.0	0.0
20	QPSK	50	55	21.75	21.71	21.70	23.0	1.0
20	QPSK	100	0	21.68	21.71	21.66		
20	16QAM	1	1	21.60	21.62	21.63	23.0	1.0
20	64QAM	1	1	19.90	19.99	19.94	21.5	2.5
20	256QAM	1	1	18.51	18.75	18.51	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.85	22.65	22.54	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.57	22.73	22.51	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.58	22.72	22.58	24.0	0.0

n71 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				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	21.03	21.12	21.10		
20	PI/2 BPSK	1	53	21.07	21.16	21.02	22.5	0.0
20	PI/2 BPSK	1	104	21.18	21.23	21.13		
20	PI/2 BPSK	50	0	20.65	20.82	20.60	22.0	0.5
20	PI/2 BPSK	50	28	21.14	21.23	21.21	22.5	0.0
20	PI/2 BPSK	50	56	20.69	20.82	20.57		
20	PI/2 BPSK	100	0	20.63	20.73	20.56	22.0	0.5
20	QPSK	1	1	21.19	21.25	21.22		
20	QPSK	1	53	21.14	21.18	21.23	22.5	0.0
20	QPSK	1	104	21.18	21.19	21.08		
20	QPSK	50	0	20.11	20.19	20.21	21.5	1.0
20	QPSK	50	28	21.21	21.22	21.17	22.5	0.0
20	QPSK	50	56	20.23	20.21	20.16		
20	QPSK	100	0	20.17	20.23	20.16	21.5	1.0
20	16QAM	1	1	20.10	20.13	20.15	21.5	1.0
20	64QAM	1	1	18.40	18.55	18.41	20.0	2.5
20	256QAM	1	1	17.03	17.15	17.06	18.0	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	21.05	21.19	21.00	22.5	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	21.11	21.24	21.07	22.5	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	21.09	21.17	21.09	22.5	0.0

Part270 n77 PC3&2 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	660000	660000	20.1	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.85	18.79	18.80	20.1	0.0	
100	PI/2 BPSK	1	137	18.79	18.74	18.75			
100	PI/2 BPSK	1	271	18.78	18.79	18.74			
100	PI/2 BPSK	135	0	18.75	18.85	18.82			
100	PI/2 BPSK	135	69	18.77	18.80	18.82	20.1	0.0	
100	PI/2 BPSK	135	138	18.84	18.77	18.82	20.1	0.0	
100	PI/2 BPSK	270	0	18.77	18.74	18.82			
100	QPSK	1	1	18.79	18.85	18.84	20.1	0.0	
100	QPSK	1	137	18.83	18.85	18.77			
100	QPSK	1	271	18.76	18.79	18.73			
100	QPSK	135	0	18.77	18.77	18.74		0.0	
100	QPSK	135	69	18.81	18.85	18.79	20.1	0.0	
100	QPSK	135	138	18.81	18.78	18.75	20.1	0.0	
100	QPSK	270	0	18.74	18.79	18.75			
100	16QAM	1	1	18.80	18.80	18.79	20.1	0.0	
100	64QAM	1	1	18.80	18.75	18.85	20.1	0.0	
100	256QAM	1	1	18.79	18.81	18.76	20.1	0.0	
Channel				648668	660000	662334	20.1	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.65	18.75	18.66	20.1	0.0	
Channel				649334	660000	662668	20.1	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.67	18.75	18.73	20.1	0.0	
Channel				649200	660000	663000	20.1	0.0	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.67	18.77	18.72	20.1	0.0	
Channel				648668	660000	663334	20.1	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.75	18.73	18.68	20.1	0.0	
Channel				648334	660000	663668	20.1	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.75	18.71	18.74	20.1	0.0	
Channel				648000	660000	664000	20.1	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.74	18.66	18.65	20.1	0.0	
Channel				647668	660000	664334	20.1	0.0	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	18.73	18.77	18.68	20.1	0.0	
Channel				647500	660000	664500	20.1	0.0	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	18.70	18.73	18.76	20.1	0.0	
Channel				647334	660000	664668	20.1	0.0	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.74	18.69	18.72	20.1	0.0	
Channel				647168	660000	664834	20.1	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.67	18.75	18.77	20.1	0.0	
Channel				647000	660000	665000	20.1	0.0	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.66	18.69	18.71	20.1	0.0	

Part270 n78 PC3&2 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	660000	660000	20.1	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1			18.71	20.1	0.0	
100	PI/2 BPSK	1	137			18.68			
100	PI/2 BPSK	1	271			18.77			
100	PI/2 BPSK	135	0			18.69		0.0	
100	PI/2 BPSK	135	69			18.75	20.1	0.0	
100	PI/2 BPSK	135	138			18.74	20.1	0.0	
100	PI/2 BPSK	270	0			18.68			
100	QPSK	1	1			18.79	20.1	0.0	
100	QPSK	1	137			18.68			
100	QPSK	1	271			18.72			
100	QPSK	135	0			18.74		0.0	
100	QPSK	135	69			18.76	20.1	0.0	
100	QPSK	135	138			18.77	20.1	0.0	
100	QPSK	270	0			18.75			
100	16QAM	1	1			18.77	20.1	0.0	
100	64QAM	1	1			18.68	20.1	0.0	
100	256QAM	1	1			18.66	20.1	0.0	
Channel				648668	650000	660334	20.1	0.0	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1			18.72	18.65	0.0	
Channel				649334	650000	660668	20.1	0.0	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1			18.72	18.69	0.0	
Channel				649200	650000	661000	20.1	0.0	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1			18.69	18.76	0.0	
Channel				648668	650000	661334	20.1	0.0	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1			18.73	18.78	0.0	
Channel				648334	650000	661668	20.1	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1			18.67	18.66	0.0	
Channel				648000	650000	662000	20.1	0.0	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1			18.71	18.75	0.0	
Channel				647668	650000	662334	20.1	0.0	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1			18.71	18.77	0.0	
Channel				647500	650000	662500	20.1	0.0	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1			18.72	18.71	0.0	
Channel				647334	650000	662668	20.1	0.0	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1			18.66	18.68	0.0	
Channel				647168	650000	662834	20.1	0.0	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1			18.69	18.69	0.0	
Channel				647000	650000	663000	20.1	0.0	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1			18.71	18.67	0.0	

Part270 n77 PC3&2 Ant8									
BW [MHz]	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	660000	660000	24.8	0.0	
Frequency (MHz)				3750	3840	3800			
100	PI/2 BPSK	1	1	23.21	23.17	23.23	24.8	0.0	
100	PI/2 BPSK	1	137	23.17	23.23	23.15			
100	PI/2 BPSK	1	271	23.19	23.21	23.19			
100	PI/2 BPSK	135	0	23.23	23.18	23.22			
100	PI/2 BPSK	135	69	23.14	23.20	23.17	24.8	0.0	
100	PI/2 BPSK	135	138	23.21	23.25	23.16			
100	PI/2 BPSK	270	0	23.19	23.24	23.19			
100	QPSK	1	1	23.24	23.26	23.21			
100	QPSK	1	137	23.14	23.21	23.17	24.8	0.0	
100	QPSK	1	271	23.13	23.24	23.16			
100	QPSK	135	0	23.18	23.20	23.23			
100	QPSK	135	69	23.21	23.24	23.20			
100	QPSK	135	138	23.15	23.23	23.14	24.8	0.0	
100	QPSK	270	0	23.18	23.19	23.15			
100	16QAM	1	1	23.22	23.15	23.14		24.8	
100	64QAM	1	1	23.17	23.23	23.22			
100	256QAM	1	1	21.80	22.03	21.53	22.5	2.3	
Channel				648668	660000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	23.10	23.16	23.15	24.8	0.0	
Channel				649334	660000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	23.06	23.16	23.15	24.8	0.0	
Channel				649000	660000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	23.14	23.17	23.06	24.8	0.0	
Channel				648668	660000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	23.06	23.17	23.05	24.8	0.0	
Channel				648334	660000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	23.05	23.19	23.12	24.8	0.0	
Channel				648000	660000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.05	23.19	23.08	24.8	0.0	
Channel				647668	660000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	23.11	23.17	23.14	24.8	0.0	
Channel				647500	660000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	23.07	23.15	23.09	24.8	0.0	
Channel				647334	660000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	23.13	23.12	23.12	24.8	0.0	
Channel				647168	660000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	23.12	23.12	23.11	24.8	0.0	
Channel				647000	660000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	23.06	23.10	23.14	24.8	0.0	

Part270 n78 PC3&2 Ant8									
BW [MHz]	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	660000	660000	24.8	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		23.15		24.8	0.0	
100	PI/2 BPSK	1	137		23.09				
100	PI/2 BPSK	1	271		23.18				
100	PI/2 BPSK	135	0		23.09				
100	PI/2 BPSK	135	69		23.13		24.8	0.0	
100	PI/2 BPSK	135	138		23.07				
100	PI/2 BPSK	270	0		23.11				
100	QPSK	1	1		23.21				
100	QPSK	1	137		23.15		24.8	0.0	
100	QPSK	1	271		23.09				
100	QPSK	135	0		23.12				
100	QPSK	135	69		23.15				
100	QPSK	135	138		23.08		24.8	0.0	
100	QPSK	270	0		23.13				
100	16QAM	1	1		23.19			24.8	
100	64QAM	1	1		23.09				
100	256QAM	1	1		21.96		22.5	2.3	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	23.11	23.17	23.15	24.8	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	23.15	23.12	23.08	24.8	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	23.04	23.18	23.13	24.8	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	23.06	23.16	23.05	24.8	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	23.14	23.08	23.05	24.8	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	23.15	23.10	23.16	24.8	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	23.15	23.19	23.07	24.8	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	23.07	23.16	23.12	24.8	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	23.09	23.07	23.05	24.8	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	23.09	23.18	23.14	24.8	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	23.07	23.09	23.11	24.8	0.0	

Part270 n77 PC3&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				650000	660000	660000	21.3	0.0	
Frequency (MHz)				3750	3840	3800			
100	PI/2 BPSK	1	1	20.35	20.35	20.29	21.3	0.0	
100	PI/2 BPSK	1	137	20.31	20.41	20.32			
100	PI/2 BPSK	1	271	20.38	20.33	20.36			
100	PI/2 BPSK	135	0	20.32	20.41	20.38			
100	PI/2 BPSK	135	69	20.34	20.35	20.30	21.3	0.0	
100	PI/2 BPSK	135	138	20.30	20.35	20.35			
100	PI/2 BPSK	270	0	20.35	20.40	20.33			
100	QPSK	1	1	20.36	20.42	20.36			
100	QPSK	1	137	20.29	20.31	20.29	21.3	0.0	
100	QPSK	1	271	20.31	20.31	20.30			
100	QPSK	135	0	20.30	20.34	20.36			
100	QPSK	135	69	20.37	20.40	20.38			
100	QPSK	135	138	20.36	20.32	20.29	21.3	0.0	
100	QPSK	270	0	20.36	20.37	20.29			
100	16QAM	1	1	20.38	20.32	20.37			
100	64QAM	1	1	20.38	20.31	20.30			
100	256QAM	1	1	20.29	20.35	20.39	21.3	0.0	
Channel				648668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	20.33	20.29	20.25	21.3	0.0	
Channel				649334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	20.22	20.35	20.29	21.3	0.0	
Channel				649000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	20.21	20.35	20.29	21.3	0.0	
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	20.32	20.25	20.30	21.3	0.0	
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	20.24	20.32	20.32	21.3	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	20.28	20.32	20.22	21.3	0.0	
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	20.28	20.26	20.26	21.3	0.0	
Channel				647500	650000	654500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	20.24	20.32	20.25	21.3	0.0	
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	20.32	20.29	20.31	21.3	0.0	
Channel				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	20.23	20.31	20.28	21.3	0.0	
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	20.23	20.34	20.28	21.3	0.0	

Part270 n78 PC3&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				650000	650000	650000	21.3	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1			20.34	21.3	0.0	
100	PI/2 BPSK	1	137			20.33			
100	PI/2 BPSK	1	271			20.34			
100	PI/2 BPSK	135	0			20.29			
100	PI/2 BPSK	135	69			20.32	21.3	0.0	
100	PI/2 BPSK	135	138			20.25			
100	PI/2 BPSK	270	0			20.25			
100	QPSK	1	1			20.37			
100	QPSK	1	137			20.34	21.3	0.0	
100	QPSK	1	271			20.25			
100	QPSK	135	0			20.31			
100	QPSK	135	69			20.35			
100	QPSK	135	138			20.28	21.3	0.0	
100	QPSK	270	0			20.32			
100	16QAM	1	1			20.30			
100	64QAM	1	1			20.24			
100	256QAM	1	1			20.33	21.3	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	20.23	20.27	20.32	21.3	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	20.30	20.32	20.27	21.3	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	20.30	20.26	20.32	21.3	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	20.29	20.24	20.32	21.3	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	20.28	20.31	20.22	21.3	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	20.28	20.28	20.21	21.3	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	20.23	20.33	20.32	21.3	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	20.24	20.31	20.23	21.3	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	20.29	20.26	20.25	21.3	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	20.23	20.29	20.29	21.3	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	20.22	20.28	20.23	21.3	0.0	

Part270 n77 PC3&2 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	662000					
Frequency (MHz)				3750	3840	3930					
100	PI/2 BPSK	1	1	20.82	20.92	20.92	22.1	0.0			
100	PI/2 BPSK	1	137	20.86	20.83	20.87					
100	PI/2 BPSK	1	271	20.91	20.87	20.92					
100	PI/2 BPSK	135	0	20.82	20.83	20.83					
100	PI/2 BPSK	135	69	20.86	20.92	20.91	22.1	0.0			
100	PI/2 BPSK	135	138	20.84	20.93	20.89					
100	PI/2 BPSK	270	0	20.84	20.93	20.86					
100	QPSK	1	1	20.91	20.94	20.89					
100	QPSK	1	137	20.80	20.93	20.89	22.1	0.0			
100	QPSK	1	271	20.85	20.83	20.85					
100	QPSK	135	0	20.86	20.86	20.86					
100	QPSK	135	69	20.87	20.93	20.86					
100	QPSK	135	138	20.85	20.92	20.83	22.1	0.0			
100	QPSK	270	0	20.88	20.89	20.83					
100	16QAM	1	1	20.81	20.86	20.81		22.1			
100	64QAM	1	1	20.80	20.82	20.83					
100	256QAM	1	1	20.82	20.86	20.90					
Channel				648668	650000	652334	Tune-up limit (dBm)				
Frequency (MHz)				3745.02	3840	3935.01	MPR (dB)				
90	QPSK	1	1	20.84	20.80	20.84	22.1				
Channel				649334	650000	652668	Tune-up limit (dBm)				
Frequency (MHz)				3740.01	3840	3940.02	MPR (dB)				
80	QPSK	1	1	20.74	20.80	20.82	22.1				
Channel				649000	650000	653000	Tune-up limit (dBm)				
Frequency (MHz)				3735	3840	3945	MPR (dB)				
70	QPSK	1	1	20.85	20.84	20.80	22.1				
Channel				648668	650000	653334	Tune-up limit (dBm)				
Frequency (MHz)				3730.02	3840	3950.01	MPR (dB)				
60	QPSK	1	1	20.80	20.83	20.77	22.1				
Channel				648334	650000	653668	Tune-up limit (dBm)				
Frequency (MHz)				3725.01	3840	3955.02	MPR (dB)				
50	QPSK	1	1	20.77	20.77	20.78	22.1				
Channel				648000	650000	654000	Tune-up limit (dBm)				
Frequency (MHz)				3720	3840	3960	MPR (dB)				
40	QPSK	1	1	20.84	20.83	20.74	22.1				
Channel				647668	650000	654334	Tune-up limit (dBm)				
Frequency (MHz)				3715.02	3840	3965.01	MPR (dB)				
30	QPSK	1	1	20.81	20.82	20.76	22.1				
Channel				647500	650000	654500	Tune-up limit (dBm)				
Frequency (MHz)				3712.5	3840	3967.5	MPR (dB)				
25	QPSK	1	1	20.82	20.84	20.84	22.1				
Channel				647334	650000	654668	Tune-up limit (dBm)				
Frequency (MHz)				3710.01	3840	3970.02	MPR (dB)				
20	QPSK	1	1	20.81	20.81	20.75	22.1				
Channel				647168	650000	654834	Tune-up limit (dBm)				
Frequency (MHz)				3707.52	3840	3972.51	MPR (dB)				
15	QPSK	1	1	20.83	20.81	20.77	22.1				
Channel				647000	650000	655000	Tune-up limit (dBm)				
Frequency (MHz)				3705	3840	3975	MPR (dB)				
10	QPSK	1	1	20.77	20.76	20.81	22.1				

Part270 n78 PC3&2 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	22.1	0.0			
Frequency (MHz)				3750	3750	3750					
100	PI/2 BPSK	1	1		20.79		22.1	0.0			
100	PI/2 BPSK	1	137		20.85						
100	PI/2 BPSK	1	271		20.78						
100	PI/2 BPSK	135	0		20.81						
100	PI/2 BPSK	135	69		20.79		22.1	0.0			
100	PI/2 BPSK	135	138		20.75						
100	PI/2 BPSK	270	0		20.77						
100	QPSK	1	1		20.86						
100	QPSK	1	137		20.79		22.1	0.0			
100	QPSK	1	271		20.85						
100	QPSK	135	0		20.81						
100	QPSK	135	69		20.83						
100	QPSK	135	138		20.75		22.1	0.0			
100	QPSK	270	0		20.81						
100	16QAM	1	1		20.83			22.1			
100	64QAM	1	1		20.75						
100	256QAM	1	1		20.74						
Channel				648668	650000	650334	Tune-up limit (dBm)				
Frequency (MHz)				3745.02	3750	3755.01	MPR (dB)				
90	QPSK	1	1		20.83	20.78	20.85			22.1	
Channel				649334	650000	650668	Tune-up limit (dBm)				
Frequency (MHz)				3740.01	3750	3760.02	MPR (dB)				
80	QPSK	1	1		20.77	20.76	20.79			22.1	
Channel				649000	650000	651000	Tune-up limit (dBm)				
Frequency (MHz)				3735	3750	3765	MPR (dB)				
70	QPSK	1	1		20.84	20.81	20.77			22.1	
Channel				648668	650000	651334	Tune-up limit (dBm)				
Frequency (MHz)				3730.02	3750	3770.01	MPR (dB)				
60	QPSK	1	1		20.83	20.76	20.83			22.1	
Channel				648334	650000	651668	Tune-up limit (dBm)				
Frequency (MHz)				3725.01	3750	3775.02	MPR (dB)				
50	QPSK	1	1		20.82	20.78	20.76			22.1	
Channel				648000	650000	652000	Tune-up limit (dBm)				
Frequency (MHz)				3720	3750	3780	MPR (dB)				
40	QPSK	1	1		20.75	20.81	20.79			22.1	
Channel				647668	650000	652334	Tune-up limit (dBm)				
Frequency (MHz)				3715.02	3750	3785.01	MPR (dB)				
30	QPSK	1	1		20.81	20.84	20.82			22.1	
Channel				647500	650000	652500	Tune-up limit (dBm)				
Frequency (MHz)				3712.5	3750	3787.5	MPR (dB)				
25	QPSK	1	1		20.74	20.84	20.82			22.1	
Channel				647334	650000	652668	Tune-up limit (dBm)				
Frequency (MHz)				3710.01	3750	3790.02	MPR (dB)				
20	QPSK	1	1		20.84	20.76	20.83			22.1	
Channel				647168	650000	652834	Tune-up limit (dBm)				
Frequency (MHz)				3707.52	3750	3792.51	MPR (dB)				
15	QPSK	1	1		20.77	20.85	20.76			22.1	
Channel				647000	650000	653000	Tune-up limit (dBm)				
Frequency (MHz)				3705	3750	3795	MPR (dB)				
10	QPSK	1	1		20.74	20.82	20.78			22.1	

n38 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	516000	516996	22.3	0.0	
Frequency (MHz)				2590.02	2596	2599.98			
40	PI/2 BPSK	1	1	20.98	20.97	20.95	22.3	0.0	
40	PI/2 BPSK	1	53	20.96	20.98	20.96			
40	PI/2 BPSK	1	104	20.91	21.02	21.01			
40	PI/2 BPSK	50	0	20.97	20.98	21.00			
40	PI/2 BPSK	50	26	20.92	20.94	20.96	22.3	0.0	
40	PI/2 BPSK	50	56	20.98	20.97	20.91			
40	PI/2 BPSK	100	0	20.91	21.04	20.94			
40	QPSK	1	1	20.99	21.07	20.98			
40	QPSK	1	53	20.91	20.98	20.98	22.3	0.0	
40	QPSK	1	104	20.92	20.97	20.93			
40	QPSK	50	0	20.96	21.03	20.90			
40	QPSK	50	26	20.94	21.05	20.94			
40	QPSK	50	56	20.98	20.94	20.91	22.3	0.0	
40	QPSK	100	0	20.95	21.02	20.98			
40	16QAM	1	1	21.00	21.04	20.97		22.3	
40	64QAM	1	1	19.80	19.88	19.82			
40	256QAM	1	1	18.32	18.44	18.32	19.5	2.8	
Channel				517002	516900	520098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2596	2600.99			
30	QPSK	1	1	20.94	20.99	20.97	22.3	0.0	
Channel				516504	516000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2596	2607.48			
25	QPSK	1	1	20.96	21.01	20.98	22.3	0.0	
Channel				516200	516000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2596	2610			
20	QPSK	1	1	20.94	21.03	20.91	22.3	0.0	
Channel				515502	516000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2596	2612.49			
15	QPSK	1	1	20.93	20.94	21.02	22.3	0.0	
Channel				515204	516000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2596	2614.98			
10	QPSK	1	1	20.96	21.01	20.98	22.3	0.0	

n41 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	516598	526000	22.3	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.91	20.96	20.94	22.3	0.0	
100	PI/2 BPSK	1	137	20.95	20.88	20.89			
100	PI/2 BPSK	1	271	20.94	20.96	20.96			
100	PI/2 BPSK	135	0	20.94	20.90	20.94			
100	PI/2 BPSK	135	69	20.95	20.91	20.95	22.3	0.0	
100	PI/2 BPSK	135	138	20.95	20.87	20.91			
100	PI/2 BPSK	270	0	20.88	20.92	20.90			
100	QPSK	1	1	20.97	21.07	20.95			
100	QPSK	1	137	20.87	20.94	20.93	22.3	0.0	
100	QPSK	1	271	20.91	20.94	20.88			
100	QPSK	135	0	20.89	20.93	20.91			
100	QPSK	135	69	20.94	21.06	20.93			
100	QPSK	135	138	20.87	20.95	20.91	22.3	0.0	
100	QPSK	270	0	20.91	21.03	20.93			
100	16QAM	1	1	20.93	20.93	20.89		22.3	
100	64QAM	1	1	19.68	19.79	19.62			
100	256QAM	1	1	18.23	18.35	18.22	19.5	2.8	
Channel				505200	516598	526996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	20.99	20.92	20.96	22.3	0.0	
Channel				507204	516598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	20.91	20.96	20.95	22.3	0.0	
Channel				505202	516598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	20.92	21.00	21.00	22.3	0.0	
Channel				505200	516598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	20.91	21.04	20.97	22.3	0.0	
Channel				504204	516598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2684.99			
50	QPSK	1	1	20.90	20.97	21.01	22.3	0.0	
Channel				503700	516598	533496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	21.01	21.01	20.91	22.3	0.0	
Channel				503202	516598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	21.01	20.95	20.86	22.3	0.0	
Channel				502704	516598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	20.91	20.95	20.90	22.3	0.0	
Channel				502200	516598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.86			
30	QPSK	1	1	20.97	20.94	21.01	22.3	0.0	
Channel				501702	516598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	21.01	21.04	20.99	22.3	0.0	
Channel				501204	516598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.89			
20	QPSK	1	1	20.95	21.02	21.02	22.3	0.0	
Channel				500700	516598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	21.01	20.97	20.96	22.3	0.0	
Channel				500202	516598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2684			
10	QPSK	1	1	20.92	20.96	20.91	22.3	0.0	

n38 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				518004	519000	519996	18.8	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	17.65	17.68	17.63	18.8	0.0
40	PI/2 BPSK	1	53	17.66	17.73	17.65		
40	PI/2 BPSK	1	104	17.72	17.66	17.66		
40	PI/2 BPSK	50	0	17.71	17.69	17.64		
40	PI/2 BPSK	50	26	17.73	17.71	17.61		
40	PI/2 BPSK	50	56	17.62	17.63	17.67	18.8	0.0
40	PI/2 BPSK	100	0	17.67	17.63	17.72		
40	QPSK	1	1	17.66	17.75	17.70		
40	QPSK	1	53	17.69	17.63	17.62		
40	QPSK	1	104	17.63	17.73	17.72		
40	QPSK	50	0	17.69	17.71	17.72	18.8	0.0
40	QPSK	50	26	17.58	17.73	17.69	18.8	0.0
40	QPSK	50	56	17.70	17.67	17.67	18.8	0.0
40	QPSK	100	0	17.63	17.67	17.65		
40	16QAM	1	1	17.64	17.62	17.72	18.8	0.0
40	64QAM	1	1	17.70	17.68	17.69	18.8	0.0
40	256QAM	1	1	17.66	17.65	17.63	18.8	0.0
Channel				517002	518000	520098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2590	2600.99		
30	QPSK	1	1	17.69	17.70	17.70	18.8	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	17.67	17.71	17.62	18.8	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	17.64	17.70	17.63	18.8	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	17.71	17.66	17.65	18.8	0.0
Channel				515004	519000	522998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	17.68	17.63	17.68	18.8	0.0

n41 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				506202	518598	528000	18.8	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.58	17.53	17.52	18.8	0.0
100	PI/2 BPSK	1	137	17.56	17.59	17.56		
100	PI/2 BPSK	1	271	17.54	17.61	17.57		
100	PI/2 BPSK	135	0	17.61	17.59	17.53		
100	PI/2 BPSK	135	69	17.56	17.55	17.51		
100	PI/2 BPSK	135	138	17.62	17.57	17.53	18.8	0.0
100	PI/2 BPSK	270	0	17.60	17.63	17.63		
100	QPSK	1	1	17.60	17.75	17.61		
100	QPSK	1	137	17.56	17.57	17.55		
100	QPSK	1	271	17.60	17.62	17.63		
100	QPSK	135	0	17.53	17.61	17.52	18.8	0.0
100	QPSK	135	69	17.55	17.73	17.58	18.8	0.0
100	QPSK	135	138	17.61	17.59	17.61	18.8	0.0
100	QPSK	270	0	17.54	17.71	17.60		
100	16QAM	1	1	17.59	17.60	17.59	18.8	0.0
100	64QAM	1	1	17.52	17.61	17.53	18.8	0.0
100	256QAM	1	1	17.53	17.62	17.61	18.8	0.0
Channel				506200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.70	17.71	17.72	18.8	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.65	17.67	17.63	18.8	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.65	17.69	17.65	18.8	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.64	17.73	17.72	18.8	0.0
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621.02	2592.99	2664.99		
50	QPSK	1	1	17.64	17.67	17.64	18.8	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	17.71	17.64	17.70	18.8	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.66	17.67	17.64	18.8	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	17.62	17.73	17.64	18.8	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.71	17.64	17.61	18.8	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	17.65	17.62	17.72	18.8	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.72	17.67	17.65	18.8	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	17.68	17.64	17.62	18.8	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2684		
10	QPSK	1	1	17.62	17.72	17.70	18.8	0.0

Reduced Power Mode for EC17

n5 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.71	22.73	22.65	24.0	0.0
20	QPSK	50	28	22.65	22.69	22.61	24.0	0.0
20	QPSK	100	0	21.67	21.68	21.65	23.0	1.0

n26 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	QPSK	1	1	22.68	22.75	22.71	24.0	0.0
20	QPSK	50	28	22.68	22.72	22.70	24.0	0.0
20	QPSK	100	0	21.65	21.68	21.63	23.0	1.0

n38 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2580.02	2595	2599.98		
40	QPSK	1	1	21.24	21.27	21.22	22.4	0.0
40	QPSK	50	28	21.21	21.25	21.06	22.4	0.0
40	QPSK	100	0	21.19	21.23	21.18	22.4	0.0

n41 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	510598	520600		
Frequency (MHz)				2546.01	2562.99	2640		
100	QPSK	1	1	21.27	21.31	21.28	22.4	0.0
100	QPSK	135	69	21.25	21.28	21.24	22.4	0.0
100	QPSK	270	0	21.23	21.27	21.25	22.4	0.0

n5 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166900	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	19.55	19.68	19.60	20.9	0.0
20	QPSK	50	28	19.57	19.66	19.56	20.9	0.0
20	QPSK	100	0	19.56	19.64	19.62	20.9	0.0

n26 Ant 1								
BW [MHz]	Modulation	RS Size	RS 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	19.64	19.69	19.58	20.9	0.0
20	QPSK	50	28	19.67	19.68	19.56	20.9	0.0
20	QPSK	100	0	19.57	19.61	19.58	20.9	0.0

n7 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	15.33	15.37	15.30	16.2	0.0
50	QPSK	135	68	15.33	15.35	15.23	16.2	0.0
50	QPSK	270	0	15.29	15.33	15.32	16.2	0.0

n38 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	15.72	15.81	15.75	17.0	0.0
40	QPSK	50	28	15.70	15.77	15.72	17.0	0.0
40	QPSK	100	0	15.70	15.73	15.67	17.0	0.0

n41 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	510598	520600		
Frequency (MHz)				2546.01	2562.99	2640		
100	QPSK	1	1	15.79	15.83	15.73	17.0	0.0
100	QPSK	135	69	15.74	15.80	15.78	17.0	0.0
100	QPSK	270	0	15.78	15.79	15.71	17.0	0.0

n7 Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505500	507000	508000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	18.50	18.55	18.53	19.8	0.0
50	QPSK	135	68	18.45	18.54	18.44	19.8	0.0
50	QPSK	270	0	18.43	18.51	18.49	19.8	0.0

n71 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				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				683	680.5	683		
20	PI/2 BPSK	1	1	22.48	22.72	22.52	24.0	0.0
20	PI/2 BPSK	1	53	22.63	22.74	22.49		
20	PI/2 BPSK	1	104	22.63	22.64	22.63		
20	PI/2 BPSK	50	0	22.03	22.26	22.15	23.5	0.5
20	PI/2 BPSK	50	28	22.61	22.82	22.69	24.0	0.0
20	PI/2 BPSK	50	55	22.20	22.35	22.11	23.5	0.5
20	PI/2 BPSK	100	0	22.12	22.28	22.16		
20	QPSK	1	1	22.77	22.84	22.79	24.0	0.0
20	QPSK	1	53	22.64	22.76	22.72		
20	QPSK	1	104	22.66	22.71	22.63		
20	QPSK	50	0	21.70	21.72	21.73	23.0	1.0
20	QPSK	50	28	22.70	22.73	22.66	24.0	0.0
20	QPSK	50	55	21.75	21.71	21.70	23.0	1.0
20	QPSK	100	0	21.68	21.71	21.66		
20	16QAM	1	1	21.60	21.62	21.63	23.0	1.0
20	64QAM	1	1	19.90	19.99	19.94	21.5	2.5
20	256QAM	1	1	18.51	18.75	18.51	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.85	22.65	22.54	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.57	22.73	22.51	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.58	22.72	22.58	24.0	0.0

n71 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				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	21.03	21.12	21.10		
20	PI/2 BPSK	1	53	21.07	21.16	21.02	22.5	0.0
20	PI/2 BPSK	1	104	21.18	21.23	21.13		
20	PI/2 BPSK	50	0	20.65	20.82	20.60	22.0	0.5
20	PI/2 BPSK	50	28	21.14	21.23	21.21	22.5	0.0
20	PI/2 BPSK	50	56	20.69	20.82	20.57		
20	PI/2 BPSK	100	0	20.63	20.73	20.56	22.0	0.5
20	QPSK	1	1	21.19	21.25	21.22		
20	QPSK	1	53	21.14	21.18	21.23	22.5	0.0
20	QPSK	1	104	21.18	21.19	21.08		
20	QPSK	50	0	20.11	20.19	20.21	21.5	1.0
20	QPSK	50	28	21.21	21.22	21.17	22.5	0.0
20	QPSK	50	56	20.23	20.21	20.16		
20	QPSK	100	0	20.17	20.23	20.16	21.5	1.0
20	16QAM	1	1	20.10	20.13	20.15	21.5	1.0
20	64QAM	1	1	18.40	18.55	18.41	20.0	2.5
20	256QAM	1	1	17.03	17.15	17.06	18.0	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	21.05	21.19	21.00	22.5	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	21.11	21.24	21.07	22.5	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	21.09	21.17	21.09	22.5	0.0

Part270 n77 PC3&2 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	660000	662000	17.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.74	15.83	15.79	17.0	0.0	
100	PI/2 BPSK	1	137	15.83	15.77	15.85			
100	PI/2 BPSK	1	271	15.81	15.84	15.78			
100	PI/2 BPSK	135	0	15.82	15.77	15.82			
100	PI/2 BPSK	135	69	15.74	15.84	15.82	17.0	0.0	
100	PI/2 BPSK	135	138	15.74	15.83	15.74			
100	PI/2 BPSK	270	0	15.77	15.83	15.78			
100	QPSK	1	1	15.79	15.86	15.85			
100	QPSK	1	137	15.74	15.79	15.83	17.0	0.0	
100	QPSK	1	271	15.81	15.83	15.74			
100	QPSK	135	0	15.77	15.75	15.76			
100	QPSK	135	69	15.79	15.85	15.81			
100	QPSK	135	138	15.81	15.79	15.75	17.0	0.0	
100	QPSK	270	0	15.81	15.84	15.80			
100	16QAM	1	1	15.80	15.83	15.80			
100	64QAM	1	1	15.77	15.77	15.77			
100	256QAM	1	1	15.80	15.79	15.78	17.0	0.0	
Channel				649668	660000	662334			
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)		
90	QPSK	1	1	15.61	15.66	15.66	17.0	0.0	
Channel				649334	660000	662668			
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)		
80	QPSK	1	1	15.69	15.72	15.65	17.0	0.0	
Channel				649000	660000	663000			
Frequency (MHz)				3735	3840	3945	Tune-up limit (dBm)		
70	QPSK	1	1	15.59	15.75	15.75	17.0	0.0	
Channel				648668	660000	663334			
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm)		
60	QPSK	1	1	15.61	15.71	15.71	17.0	0.0	
Channel				648334	660000	663668			
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)		
50	QPSK	1	1	15.59	15.76	15.72	17.0	0.0	
Channel				648000	660000	664000			
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)		
40	QPSK	1	1	15.65	15.72	15.69	17.0	0.0	
Channel				647668	660000	664334			
Frequency (MHz)				3715.02	3840	3965.01	Tune-up limit (dBm)		
30	QPSK	1	1	15.64	15.76	15.75	17.0	0.0	
Channel				647500	660000	664500			
Frequency (MHz)				3712.5	3840	3967.5	Tune-up limit (dBm)		
25	QPSK	1	1	15.63	15.71	15.69	17.0	0.0	
Channel				647334	660000	664668			
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)		
20	QPSK	1	1	15.65	15.72	15.70	17.0	0.0	
Channel				647168	660000	664834			
Frequency (MHz)				3707.52	3840	3972.51	Tune-up limit (dBm)		
15	QPSK	1	1	15.62	15.74	15.66	17.0	0.0	
Channel				647000	660000	665000			
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)		
10	QPSK	1	1	15.69	15.75	15.73	17.0	0.0	

Part270 n78 PC3&2 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	660000	650000					
Frequency (MHz)				3750	3750	3750					
100	PI/2 BPSK	1	1	15.71	15.71		17.0	0.0			
100	PI/2 BPSK	1	137		15.71						
100	PI/2 BPSK	1	271		15.74						
100	PI/2 BPSK	135	0		15.76						
100	PI/2 BPSK	135	69		15.69		17.0	0.0			
100	PI/2 BPSK	135	138		15.75						
100	PI/2 BPSK	270	0		15.78						
100	QPSK	1	1		15.79						
100	QPSK	1	137		15.72		17.0	0.0			
100	QPSK	1	271		15.71						
100	QPSK	135	0		15.70						
100	QPSK	135	69		15.76						
100	QPSK	135	138		15.72		17.0	0.0			
100	QPSK	270	0		15.76						
100	16QAM	1	1		15.77						
100	64QAM	1	1		15.68						
100	256QAM	1	1		15.68		17.0	0.0			
Channel				648668	650000	650334					
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)				
90	QPSK	1	1	15.68	15.70	15.75	17.0	0.0			
Channel				649334	650000	650668	Tune-up limit (dBm)				
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)				
80	QPSK	1	1	15.60	15.73	15.67	17.0	0.0			
Channel				649000	650000	651000	Tune-up limit (dBm)				
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)				
70	QPSK	1	1	15.67	15.67	15.74	17.0	0.0			
Channel				648668	650000	651334	Tune-up limit (dBm)				
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dBm)				
60	QPSK	1	1	15.64	15.65	15.69	17.0	0.0			
Channel				648334	650000	651668	Tune-up limit (dBm)				
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)				
50	QPSK	1	1	15.60	15.75	15.67	17.0	0.0			
Channel				648000	650000	652000	Tune-up limit (dBm)				
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)				
40	QPSK	1	1	15.66	15.72	15.74	17.0	0.0			
Channel				647668	650000	652334	Tune-up limit (dBm)				
Frequency (MHz)				3715.02	3750	3785.01	Tune-up limit (dBm)				
30	QPSK	1	1	15.70	15.67	15.70	17.0	0.0			
Channel				647500	650000	652500	Tune-up limit (dBm)				
Frequency (MHz)				3712.5	3750	3787.5	Tune-up limit (dBm)				
25	QPSK	1	1	15.65	15.66	15.68	17.0	0.0			
Channel				647334	650000	652668	Tune-up limit (dBm)				
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)				
20	QPSK	1	1	15.58	15.70	15.69	17.0	0.0			
Channel				647168	650000	652834	Tune-up limit (dBm)				
Frequency (MHz)				3707.52	3750	3792.51	Tune-up limit (dBm)				
15	QPSK	1	1	15.66	15.73	15.69	17.0	0.0			
Channel				647000	650000	653000	Tune-up limit (dBm)				
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)				
10	QPSK	1	1	15.59	15.69	15.72	17.0	0.0			

Part270 n77 PC3&2 Ant8										
BW [MHz]	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	22.4	0.0		
Frequency (MHz)				3750	3840	3900				
100	PI/2 BPSK	1	1	20.71	20.77	20.65	22.4	0.0		
100	PI/2 BPSK	1	137	20.72	20.74	20.64				
100	PI/2 BPSK	1	271	20.71	20.72	20.63				
100	PI/2 BPSK	135	0	20.65	20.70	20.72				
100	PI/2 BPSK	135	69	20.67	20.70	20.69	22.4	0.0		
100	PI/2 BPSK	135	138	20.71	20.71	20.72	22.4	0.0		
100	PI/2 BPSK	270	0	20.74	20.67	20.73	22.4	0.0		
100	QPSK	1	1	20.75	20.78	20.71				
100	QPSK	1	137	20.74	20.66	20.65				
100	QPSK	1	271	20.75	20.70	20.63				
100	QPSK	135	0	20.66	20.70	20.66	22.4	0.0		
100	QPSK	135	69	20.68	20.76	20.75	22.4	0.0		
100	QPSK	135	138	20.74	20.76	20.66	22.4	0.0		
100	QPSK	270	0	20.71	20.73	20.69				
100	16QAM	1	1	20.65	20.68	20.63	22.4	0.0		
100	64QAM	1	1	20.57	20.62	20.53	22.4	0.0		
100	256QAM	1	1	20.59	20.58	20.53	22.4	0.0		
Channel				648668	650000	652334	Tune-up limit (dBm)			
Frequency (MHz)				3745.02	3840	3935.01	MPR (dB)			
90	QPSK	1	1	20.56	20.62	20.53	22.4	0.0		
Channel				649334	650000	652668	Tune-up limit (dBm)			
Frequency (MHz)				3740.01	3840	3940.02	MPR (dB)			
80	QPSK	1	1	20.65	20.69	20.57	22.4	0.0		
Channel				649000	650000	653000	Tune-up limit (dBm)			
Frequency (MHz)				3735	3840	3945	MPR (dB)			
70	QPSK	1	1	20.60	20.61	20.61	22.4	0.0		
Channel				648668	650000	653334	Tune-up limit (dBm)			
Frequency (MHz)				3730.02	3840	3950.01	MPR (dB)			
60	QPSK	1	1	20.65	20.64	20.60	22.4	0.0		
Channel				648334	650000	653668	Tune-up limit (dBm)			
Frequency (MHz)				3725.01	3840	3955.02	MPR (dB)			
50	QPSK	1	1	20.57	20.60	20.58	22.4	0.0		
Channel				648000	650000	654000	Tune-up limit (dBm)			
Frequency (MHz)				3720	3840	3960	MPR (dB)			
40	QPSK	1	1	20.60	20.58	20.59	22.4	0.0		
Channel				647668	650000	654334	Tune-up limit (dBm)			
Frequency (MHz)				3715.02	3840	3965.01	MPR (dB)			
30	QPSK	1	1	20.65	20.63	20.56	22.4	0.0		
Channel				647500	650000	654500	Tune-up limit (dBm)			
Frequency (MHz)				3712.5	3840	3967.5	MPR (dB)			
25	QPSK	1	1	20.62	20.62	20.57	22.4	0.0		
Channel				647334	650000	654668	Tune-up limit (dBm)			
Frequency (MHz)				3710.01	3840	3970.02	MPR (dB)			
20	QPSK	1	1	20.60	20.61	20.57	22.4	0.0		
Channel				647168	650000	654834	Tune-up limit (dBm)			
Frequency (MHz)				3707.52	3840	3972.51	MPR (dB)			
15	QPSK	1	1	20.58	20.63	20.60	22.4	0.0		
Channel				647000	650000	655000	Tune-up limit (dBm)			
Frequency (MHz)				3705	3840	3975	MPR (dB)			
10	QPSK	1	1	20.63	20.66	20.50	22.4	0.0		

Part270 n78 PC3&2 Ant8									
BW [MHz]	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		20.66		22.4	0.0	
100	PI/2 BPSK	1	137		20.69				
100	PI/2 BPSK	1	271		20.61				
100	PI/2 BPSK	135	0		20.63				
100	PI/2 BPSK	135	69		20.66		22.4	0.0	
100	PI/2 BPSK	135	138		20.64		22.4	0.0	
100	PI/2 BPSK	270	0		20.64		22.4	0.0	
100	QPSK	1	1		20.73				
100	QPSK	1	137		20.61				
100	QPSK	1	271		20.60				
100	QPSK	135	0		20.69		22.4	0.0	
100	QPSK	135	69		20.71		22.4	0.0	
100	QPSK	135	138		20.65		22.4	0.0	
100	QPSK	270	0		20.69				
100	16QAM	1	1		20.70		22.4	0.0	
100	64QAM	1	1		20.66		22.4	0.0	
100	256QAM	1	1		20.62		22.4	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	20.58	20.69	20.58	22.4	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	20.64	20.62	20.50	22.4	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	20.55	20.59	20.55	22.4	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	20.63	20.62	20.55	22.4	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	20.54	20.61	20.62	22.4	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	20.66	20.66	20.52	22.4	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	20.68	20.60	20.61	22.4	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	20.55	20.61	20.53	22.4	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	20.55	20.63	20.54	22.4	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	20.55	20.61	20.53	22.4	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	20.58	20.59	20.60	22.4	0.0	

Part270 n77 PC3&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				650000	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	11.65	11.69	11.71	12.7	0.0	
100	PI/2 BPSK	1	137	11.64	11.67	11.69			
100	PI/2 BPSK	1	271	11.65	11.74	11.61			
100	PI/2 BPSK	135	0	11.65	11.67	11.66	12.7	0.0	
100	PI/2 BPSK	135	69	11.70	11.73	11.64	12.7	0.0	
100	PI/2 BPSK	135	138	11.69	11.69	11.67	12.7	0.0	
100	PI/2 BPSK	270	0	11.65	11.73	11.68			
100	QPSK	1	1	11.69	11.75	11.71			
100	QPSK	1	137	11.65	11.72	11.63	12.7	0.0	
100	QPSK	1	271	11.63	11.63	11.68			
100	QPSK	135	0	11.61	11.68	11.63		12.7	
100	QPSK	135	69	11.69	11.74	11.70	12.7	0.0	
100	QPSK	135	138	11.67	11.69	11.64	12.7	0.0	
100	QPSK	270	0	11.64	11.73	11.71			
100	16QAM	1	1	11.62	11.72	11.62	12.7	0.0	
100	64QAM	1	1	11.69	11.73	11.67	12.7	0.0	
100	256QAM	1	1	11.62	11.66	11.60	12.7	0.0	
Channel				649668	650000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	11.49	11.64	11.54	12.7	0.0	
Channel				648334	650000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	11.52	11.62	11.54	12.7	0.0	
Channel				649000	650000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	11.48	11.60	11.59	12.7	0.0	
Channel				648668	650000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	11.51	11.59	11.56	12.7	0.0	
Channel				648334	650000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	11.49	11.56	11.57	12.7	0.0	
Channel				648000	650000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	11.59	11.58	11.51	12.7	0.0	
Channel				647668	650000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	11.54	11.54	11.61	12.7	0.0	
Channel				647334	650000	664668	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3840	3967.5	(dBm)	(dB)	
25	QPSK	1	1	11.48	11.62	11.56	12.7	0.0	
Channel				647334	650000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	11.50	11.55	11.52	12.7	0.0	
Channel				647168	650000	664834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	1	11.55	11.56	11.56	12.7	0.0	
Channel				647000	650000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	11.57	11.65	11.61	12.7	0.0	

Part270 n78 PC3&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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		11.59		12.7	0.0	
100	PI/2 BPSK	1	137		11.62				
100	PI/2 BPSK	1	271		11.60				
100	PI/2 BPSK	135	0		11.61		12.7	0.0	
100	PI/2 BPSK	135	69		11.63		12.7	0.0	
100	PI/2 BPSK	135	138		11.66		12.7	0.0	
100	PI/2 BPSK	270	0		11.61				
100	QPSK	1	1		11.59				
100	QPSK	1	137		11.58		12.7	0.0	
100	QPSK	1	271		11.58				
100	QPSK	135	0		11.58			12.7	
100	QPSK	135	69		11.68		12.7	0.0	
100	QPSK	135	138		11.63		12.7	0.0	
100	QPSK	270	0		11.67				
100	16QAM	1	1		11.68		12.7	0.0	
100	64QAM	1	1		11.57		12.7	0.0	
100	256QAM	1	1		11.57		12.7	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	11.52	11.60	11.54	12.7	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	11.56	11.62	11.56	12.7	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	11.57	11.58	11.61	12.7	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	11.51	11.57	11.56	12.7	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	11.49	11.60	11.61	12.7	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	11.51	11.61	11.54	12.7	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	11.57	11.62	11.61	12.7	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1	11.59	11.59	11.53	12.7	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	11.53	11.56	11.61	12.7	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1	11.50	11.62	11.54	12.7	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	11.54	11.60	11.52	12.7	0.0	

Part270 n77 PC3&2 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	17.9	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	16.92	16.83	16.83	17.9	0.0	
100	PI/2 BPSK	1	137	16.90	16.93	16.85			
100	PI/2 BPSK	1	271	16.85	16.83	16.81			
100	PI/2 BPSK	135	0	16.91	16.83	16.91			
100	PI/2 BPSK	135	69	16.85	16.83	16.82	17.9	0.0	
100	PI/2 BPSK	135	138	16.85	16.91	16.83			
100	PI/2 BPSK	270	0	16.87	16.93	16.83			
100	QPSK	1	1	16.88	16.95	16.91			
100	QPSK	1	137	16.87	16.91	16.87	17.9	0.0	
100	QPSK	1	271	16.85	16.92	16.85			
100	QPSK	135	0	16.82	16.90	16.81			
100	QPSK	135	69	16.89	16.93	16.86			
100	QPSK	135	138	16.83	16.87	16.85	17.9	0.0	
100	QPSK	270	0	16.85	16.92	16.84			
100	16QAM	1	1	16.83	16.90	16.83			
100	64QAM	1	1	16.80	16.87	16.81			
100	256QAM	1	1	16.90	16.88	16.84	17.9	0.0	
Channel				649668	650000	652334			
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)		
90	QPSK	1	1	16.72	16.78	16.71	17.9	0.0	
Channel				649334	650000	652668			
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)		
80	QPSK	1	1	16.76	16.83	16.78	17.9	0.0	
Channel				649200	650000	653300			
Frequency (MHz)				3735	3840	3945	Tune-up limit (dBm)		
70	QPSK	1	1	16.76	16.75	16.71	17.9	0.0	
Channel				648668	650000	653334			
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm)		
60	QPSK	1	1	16.73	16.74	16.79	17.9	0.0	
Channel				648334	650000	653668			
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)		
50	QPSK	1	1	16.77	16.84	16.79	17.9	0.0	
Channel				648000	650000	654000			
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)		
40	QPSK	1	1	16.75	16.86	16.71	17.9	0.0	
Channel				647500	650000	654334			
Frequency (MHz)				3715.02	3840	3965.01	Tune-up limit (dBm)		
30	QPSK	1	1	16.69	16.77	16.81	17.9	0.0	
Channel				647500	650000	654500			
Frequency (MHz)				3712.5	3840	3967.5	Tune-up limit (dBm)		
25	QPSK	1	1	16.76	16.75	16.73	17.9	0.0	
Channel				647334	650000	654668			
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)		
20	QPSK	1	1	16.70	16.83	16.80	17.9	0.0	
Channel				647168	650000	654834			
Frequency (MHz)				3707.52	3840	3972.51	Tune-up limit (dBm)		
15	QPSK	1	1	16.70	16.81	16.75	17.9	0.0	
Channel				647000	650000	655000			
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)		
10	QPSK	1	1	16.75	16.76	16.75	17.9	0.0	

Part270 n78 PC3&2 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		16.81		17.9	0.0			
100	PI/2 BPSK	1	137		16.77						
100	PI/2 BPSK	1	271		16.80						
100	PI/2 BPSK	135	0		16.86						
100	PI/2 BPSK	135	69		16.76		17.9	0.0			
100	PI/2 BPSK	135	138		16.82						
100	PI/2 BPSK	270	0		16.84						
100	QPSK	1	1		16.89						
100	QPSK	1	137		16.79		17.9	0.0			
100	QPSK	1	271		16.85						
100	QPSK	135	0		16.84						
100	QPSK	135	69		16.88						
100	QPSK	135	138		16.85		17.9	0.0			
100	QPSK	270	0		16.81						
100	16QAM	1	1		16.84						
100	64QAM	1	1		16.87						
100	256QAM	1	1		16.82		17.9	0.0			
Channel				648668	650000	650334					
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)				
90	QPSK	1	1	16.74	16.74	16.76	17.9	0.0			
Channel				649334	650000	650668	Tune-up limit (dBm)				
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)				
80	QPSK	1	1	16.73	16.78	16.71	17.9	0.0			
Channel				649000	650000	651000	Tune-up limit (dBm)				
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)				
70	QPSK	1	1	16.73	16.85	16.71	17.9	0.0			
Channel				648668	650000	651334	Tune-up limit (dBm)				
Frequency (MHz)				3730.02	3750	3770.01	Tune-up limit (dBm)				
60	QPSK	1	1	16.70	16.80	16.71	17.9	0.0			
Channel				648334	650000	651668	Tune-up limit (dBm)				
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)				
50	QPSK	1	1	16.75	16.86	16.73	17.9	0.0			
Channel				648000	650000	652000	Tune-up limit (dBm)				
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)				
40	QPSK	1	1	16.76	16.74	16.78	17.9	0.0			
Channel				647500	650000	652334	Tune-up limit (dBm)				
Frequency (MHz)				3715.02	3750	3785.01	Tune-up limit (dBm)				
30	QPSK	1	1	16.76	16.82	16.77	17.9	0.0			
Channel				647500	650000	652500	Tune-up limit (dBm)				
Frequency (MHz)				3712.5	3750	3787.5	Tune-up limit (dBm)				
25	QPSK	1	1	16.74	16.85	16.80	17.9	0.0			
Channel				647334	650000	652668	Tune-up limit (dBm)				
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)				
20	QPSK	1	1	16.70	16.75	16.78	17.9	0.0			
Channel				647168	650000	652834	Tune-up limit (dBm)				
Frequency (MHz)				3707.52	3750	3792.51	Tune-up limit (dBm)				
15	QPSK	1	1	16.72	16.77	16.81	17.9	0.0			
Channel				647000	650000	653000	Tune-up limit (dBm)				
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)				
10	QPSK	1	1	16.70	16.78	16.75	17.9	0.0			

n38 Ant2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516004	519000	516996	19.3	0.0
Frequency (MHz)				2580.02	2595	2599.98		
40	PI/2 BPSK	1	1	18.04	17.99	18.04	19.3	0.0
40	PI/2 BPSK	1	53	18.07	18.09	18.08		
40	PI/2 BPSK	1	104	18.06	17.99	18.06		
40	PI/2 BPSK	50	0	17.99	18.04	18.09		
40	PI/2 BPSK	50	26	18.05	18.08	17.99	19.3	0.0
40	PI/2 BPSK	50	56	18.01	18.10	18.05		
40	PI/2 BPSK	100	0	18.05	18.08	17.98		
40	QPSK	1	1	18.06	18.11	18.03		
40	QPSK	1	53	18.07	18.06	18.06	19.3	0.0
40	QPSK	1	104	18.01	18.09	17.99		
40	QPSK	50	0	17.99	18.01	17.98		
40	QPSK	50	26	17.99	18.07	17.99		
40	QPSK	50	56	18.04	18.01	17.99	19.3	0.0
40	QPSK	100	0	18.00	18.04	18.03		
40	16QAM	1	1	17.99	18.02	17.98		
40	64QAM	1	1	18.06	18.07	17.98		
40	256QAM	1	1	18.07	18.01	18.06	19.3	0.0
Channel				517002	519000	520998	19.3	0.0
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	18.07	18.02	18.03	19.3	0.0
Channel				516504	519000	521498	19.3	0.0
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	18.02	18.03	18.01	19.3	0.0
Channel				516200	519000	522000	19.3	0.0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	18.05	18.04	18.07	19.3	0.0
Channel				515502	519000	522498	19.3	0.0
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.00	18.06	18.05	19.3	0.0
Channel				516004	519000	522998	19.3	0.0
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	18.00	18.01	18.02	19.3	0.0

n41 Ant2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	528000	19.3	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.07	18.15	18.03	19.3	0.0
100	PI/2 BPSK	1	137	18.10	18.07	18.09		
100	PI/2 BPSK	1	271	18.12	18.10	18.08		
100	PI/2 BPSK	135	0	18.05	18.05	18.10		
100	PI/2 BPSK	135	69	18.04	18.07	18.10	19.3	0.0
100	PI/2 BPSK	135	138	18.13	18.09	18.05		
100	PI/2 BPSK	270	0	18.08	18.05	18.05		
100	QPSK	1	1	18.12	18.16	18.08		
100	QPSK	1	137	18.08	18.05	18.09	19.3	0.0
100	QPSK	1	271	18.06	18.09	18.12		
100	QPSK	135	0	17.93	17.88	17.94		
100	QPSK	135	69	17.92	18.09	17.89		
100	QPSK	135	138	17.92	17.94	17.83	19.3	0.0
100	QPSK	270	0	17.82	18.04	17.84		
100	16QAM	1	1	18.12	18.11	18.07		
100	64QAM	1	1	18.08	18.07	18.08		
100	256QAM	1	1	18.06	18.15	18.13	19.3	0.0
Channel				506200	518598	528998	19.3	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.04	18.05	17.98	19.3	0.0
Channel				507204	518598	529998	19.3	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.06	18.00	18.02	19.3	0.0
Channel				506202	518598	531000	19.3	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.07	18.09	18.05	19.3	0.0
Channel				505200	518598	531998	19.3	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.04	18.04	18.03	19.3	0.0
Channel				504204	518598	532998	19.3	0.0
Frequency (MHz)				2621.02	2592.99	2664.99		
50	QPSK	1	1	18.08	18.11	18.08	19.3	0.0
Channel				503700	518598	533498	19.3	0.0
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	18.00	18.05	17.98	19.3	0.0
Channel				503202	518598	534000	19.3	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.98	18.06	18.06	19.3	0.0
Channel				502704	518598	534498	19.3	0.0
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	17.99	18.03	17.97	19.3	0.0
Channel				502200	518598	534998	19.3	0.0
Frequency (MHz)				2511	2592.99	2674.86		
30	QPSK	1	1	18.05	18.07	18.00	19.3	0.0
Channel				501702	518598	535500	19.3	0.0
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	18.07	18.00	18.01	19.3	0.0
Channel				501204	518598	535998	19.3	0.0
Frequency (MHz)				2506.02	2592.99	2679.89		
20	QPSK	1	1	18.00	18.10	18.02	19.3	0.0
Channel				500700	518598	536498	19.3	0.0
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	17.99	18.09	18.03	19.3	0.0
Channel				500202	518598	537000	19.3	0.0
Frequency (MHz)				2501.01	2592.99	2684		
10	QPSK	1	1	18.07	18.08	17.99	19.3	0.0

n38 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				518004	519000	519996	16.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	15.16	15.15	15.16	16.5	0.0	
40	PI/2 BPSK	1	53	15.13	15.20	15.18			
40	PI/2 BPSK	1	104	15.19	15.18	15.17			
40	PI/2 BPSK	50	0	15.23	15.13	15.15			
40	PI/2 BPSK	50	26	15.14	15.15	15.17	16.5	0.0	
40	PI/2 BPSK	50	56	15.16	15.14	15.11			
40	PI/2 BPSK	100	0	15.21	15.16	15.19			
40	QPSK	1	1	15.16	15.24	15.15			
40	QPSK	1	53	15.11	15.16	15.18	16.5	0.0	
40	QPSK	1	104	15.15	15.17	15.17			
40	QPSK	50	0	15.15	15.18	15.11			
40	QPSK	50	26	15.16	15.22	15.12			
40	QPSK	50	56	15.14	15.19	15.21	16.5	0.0	
40	QPSK	100	0	15.11	15.21	15.17			
40	16QAM	1	1	15.13	15.17	15.22			
40	64QAM	1	1	15.12	15.20	15.19			
40	256QAM	1	1	15.21	15.15	15.13	16.5	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99	Tune-up limit (dBm)		
30	QPSK	1	1	15.11	15.17	15.23	16.5	0.0	0.0
Channel				516504	519000	521498	Tune-up limit (dBm)		
Frequency (MHz)				2582.52	2595	2607.48	MPR (dB)		
25	QPSK	1	1	15.16	15.15	15.22	16.5	0.0	0.0
Channel				516200	519000	522000	Tune-up limit (dBm)		
Frequency (MHz)				2580	2595	2610	MPR (dB)		
20	QPSK	1	1	15.22	15.21	15.21	16.5	0.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)		
Frequency (MHz)				2577.51	2595	2612.49	MPR (dB)		
15	QPSK	1	1	15.12	15.20	15.16	16.5	0.0	0.0
Channel				516204	519000	522998	Tune-up limit (dBm)		
Frequency (MHz)				2575.02	2595	2614.98	MPR (dB)		
10	QPSK	1	1	15.12	15.12	15.22	16.5	0.0	0.0

n41 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				509202	518598	528000	16.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	15.06	15.01	15.02			
100	PI/2 BPSK	1	137	14.99	15.06	15.06			
100	PI/2 BPSK	1	271	15.00	15.02	15.03	16.5	0.0	
100	PI/2 BPSK	135	0	15.04	15.01	14.97			
100	PI/2 BPSK	135	69	15.01	15.01	15.00			
100	PI/2 BPSK	135	138	15.06	15.00	15.05			
100	PI/2 BPSK	270	0	15.03	15.00	15.00	16.5	0.0	
100	QPSK	1	1	15.03	15.25	15.07			
100	QPSK	1	137	15.06	14.99	15.07			
100	QPSK	1	271	15.02	15.04	15.04			
100	QPSK	135	0	15.03	15.02	15.04	16.5	0.0	
100	QPSK	135	69	15.00	15.24	15.02			
100	QPSK	135	138	15.05	15.04	14.96			
100	QPSK	270	0	15.02	15.23	15.04			
100	16QAM	1	1	14.98	15.08	15.02	16.5	0.0	
100	64QAM	1	1	15.03	14.99	14.97			
100	256QAM	1	1	14.99	14.99	15.01	16.5	0.0	
Channel				508200	518598	526998			
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)		
90	QPSK	1	1	15.21	15.14	15.13	16.5	0.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)		
Frequency (MHz)				2536.02	2592.99	2649.99	MPR (dB)		
80	QPSK	1	1	15.21	15.23	15.21	16.5	0.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)		
Frequency (MHz)				2531.01	2592.99	2655	MPR (dB)		
70	QPSK	1	1	15.12	15.13	15.17	16.5	0.0	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)		
Frequency (MHz)				2526	2592.99	2659.98	MPR (dB)		
60	QPSK	1	1	15.17	15.19	15.19	16.5	0.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)		
Frequency (MHz)				2521.02	2592.99	2664.99	MPR (dB)		
50	QPSK	1	1	15.22	15.15	15.19	16.5	0.0	0.0
Channel				503700	518598	533498	Tune-up limit (dBm)		
Frequency (MHz)				2518.5	2592.99	2667.48	MPR (dB)		
45	QPSK	1	1	15.15	15.13	15.18	16.5	0.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)		
Frequency (MHz)				2516.01	2592.99	2670	MPR (dB)		
40	QPSK	1	1	15.19	15.23	15.19	16.5	0.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)		
Frequency (MHz)				2513.52	2592.99	2672.49	MPR (dB)		
35	QPSK	1	1	15.22	15.13	15.11	16.5	0.0	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)		
Frequency (MHz)				2511	2592.99	2674.88	MPR (dB)		
30	QPSK	1	1	15.22	15.20	15.17	16.5	0.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)		
Frequency (MHz)				2508.51	2592.99	2677.5	MPR (dB)		
25	QPSK	1	1	15.16	15.16	15.21	16.5	0.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)		
Frequency (MHz)				2506.02	2592.99	2679.89	MPR (dB)		
20	QPSK	1	1	15.23	15.12	15.15	16.5	0.0	0.0
Channel				500700	518598	536498	Tune-up limit (dBm)		
Frequency (MHz)				2503.5	2592.99	2682.48	MPR (dB)		
15	QPSK	1	1	15.21	15.12	15.11	16.5	0.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)		
Frequency (MHz)				2501.01	2592.99	2685	MPR (dB)		
10	QPSK	1	1	15.23	15.13	15.16	16.5	0.0	0.0

Full & Default Power Mode_Other PA

n38 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.86	22.91	22.88	24.0	0.0
40	QPSK	50	28	22.85	22.88	22.93	24.0	0.0
40	QPSK	100	0	21.81	21.85	21.79	23.0	1.0

n7 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	22.76	22.85	22.79	24.0	0.0
50	QPSK	135	68	22.78	22.83	22.76	24.0	0.0
50	QPSK	270	0	21.81	21.82	21.75	23.0	1.0

n38 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.76	22.85	22.83	24.0	0.0
40	QPSK	50	28	22.81	22.83	22.76	24.0	0.0
40	QPSK	100	0	21.75	21.81	21.79	23.0	1.0

Reduced Power Mode for EC12_Other PA

n38 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519998		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.88	22.91	22.88	24.0	0.0
40	QPSK	50	28	22.85	22.88	22.93	24.0	0.0
40	QPSK	100	0	21.81	21.85	21.79	23.0	1.0

n7 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	17.51	17.56	17.53	18.8	0.0
50	QPSK	135	68	17.52	17.55	17.48	18.8	0.0
50	QPSK	270	0	17.49	17.53	17.51	18.8	0.0

n38 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519998		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	17.98	18.03	17.90	19.2	0.0
40	QPSK	50	28	17.96	17.98	17.91	19.2	0.0
40	QPSK	100	0	17.92	17.96	17.93	19.2	0.0

Reduced Power Mode for EC13_Other PA

n38 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	20.37	20.42	20.35	21.8	0.0
40	QPSK	50	28	20.36	20.39	20.36	21.8	0.0
40	QPSK	100	0	20.32	20.36	20.37	21.8	0.0

n7 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	17.45	17.55	17.53	18.6	0.0
50	QPSK	135	68	17.50	17.53	17.48	18.6	0.0
50	QPSK	270	0	17.46	17.51	17.47	18.6	0.0

n38 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	15.04	15.07	15.06	16.5	0.0
40	QPSK	50	28	15.02	15.05	14.97	16.5	0.0
40	QPSK	100	0	14.97	15.03	15.01	16.5	0.0

Reduced Power Mode for EC16_Other PA

n38 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	20.41	20.43	20.35	21.6	0.0
40	QPSK	50	28	20.37	20.41	20.38	21.6	0.0
40	QPSK	100	0	20.35	20.37	20.34	21.6	0.0

n7 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	16.15	16.18	16.12	17.3	0.0
50	QPSK	135	68	16.13	16.16	16.11	17.3	0.0
50	QPSK	270	0	16.08	16.11	16.07	17.3	0.0

n38 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	13.52	13.55	13.49	15.0	0.0
40	QPSK	50	28	13.51	13.53	13.47	15.0	0.0
40	QPSK	100	0	13.48	13.51	13.46	15.0	0.0

Reduced Power Mode for EC17_Other PA

n38 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	20.41	20.46	20.43	21.6	0.0
40	QPSK	50	28	20.38	20.42	20.41	21.6	0.0
40	QPSK	100	0	20.34	20.37	20.35	21.6	0.0

n7 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	16.12	16.15	16.09	17.3	0.0
50	QPSK	135	68	16.05	16.13	16.08	17.3	0.0
50	QPSK	270	0	16.06	16.11	16.07	17.3	0.0

n38 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	13.52	13.58	13.56	15.0	0.0
40	QPSK	50	28	13.51	13.56	13.49	15.0	0.0
40	QPSK	100	0	13.47	13.50	13.46	15.0	0.0

2.4GHz WLAN				Ant 3 Full power Head Standalone Body-worn Standalone Hotspot		Ant 3 Head Simultaneous		Ant 3 Body-worn Simultaneous		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	19.12	20.50	13.67	15.00	17.19	18.50	99.14

5.2GHz WLAN				Ant 4 Full power Body-worn Standalone		Ant 4 Head Standalone		Ant 4 Head Simultaneous		Ant 4 Body-worn Simultaneous		Ant 4 Hotspot		
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11n-HT40 MCS0	46	5230	18.42	20.00		17.00		12.00		17.50	16.98	18.50	93.70

5.3GHz WLAN			Ant 4 Full power Body-worn Standalone Extremity Standalone		Ant 4 Head Standalone		Ant 4 Head Simultaneous		Ant 4 Body-worn Simultaneous		Ant 4 Extremity Simultaneous			
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11n-HT40 MCS0	54	5270	18.45	20.00	15.56	17.00		12.00	16.05	17.50	16.57	18.00	93.70
	802.11ac-VHT80 MCS0	58	5290	13.84	15.50		15.50	10.55	12.00		15.50		15.50	88.19

5.5GHz WLAN			Ant 4 Full power Body-worn Standalone Extremity Standalone			Ant 4 Head Standalone		Ant 4 Head Simultaneous		Ant 4 Body-worn Simultaneous		Ant 4 Extremity Simultaneous		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11n-HT40 MCS0	142	5710	18.78	20.50		17.00		12.00		16.00		18.00	93.70
	802.11ac-VHT80 MCS0	106	5530	17.99	19.50	15.55	17.00	10.55	12.00	14.53	16.00	16.59	18.00	88.19

5.8GHz WLAN				Ant 4 Full power Body-worn Standalone		Ant 4 Head Standalone		Ant 4 Head Simultaneous		Ant 4 Body-worn Simultaneous		Ant 4 Hotspot		
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11ac-VHT80 MCS0	155	5775	18.03	19.50	16.49	18.00	11.54	13.00	15.03	16.50	16.99	18.50	88.19
	802.11ax-HE40 MCS0	151	5755	18.83	20.50		18.00		13.00		13.00		18.50	92.46

BT BR/EDR		ANT3		
Mode	Channel	Frequency (MHz)	Transmit power (dBm)	Tune-up Limit
			1Mbps	
BR / EDR	CH 00	2402	16.21	17.00
	CH 39	2441	16.43	17.00
	CH 76	2480	14.56	15.50