

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	17.98					
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					

Band 38 Ant0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co. (Frac)	Power Middle Co. (Frac)	Power High Co. (Frac)	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	19.89	19.92	19.85	21	0				
20	QPSK	1	49	19.97	19.93	19.94						
20	QPSK	1	99	19.96	19.92	19.80						
20	QPSK	50	0	18.82	18.90	18.89	20	1				
20	QPSK	50	24	18.78	18.87	18.84						
20	QPSK	50	50	18.85	18.83	18.86						
20	QPSK	100	0	18.83	18.87	18.84	20	1				
20	QPSK	100	1	18.84	18.85	18.83						
20	QPSK	1	49	18.77	18.83	18.84						
20	16QAM	1	99	18.75	18.90	18.82	20	1				
20	16QAM	50	0	17.83	17.96	17.79						
20	16QAM	50	24	17.78	17.85	17.82						
20	16QAM	50	50	17.85	17.93	17.88	19	2				
20	16QAM	100	0	17.92	17.95	17.84						
20	16QAM	100	1	17.93	17.92	17.86						
20	64QAM	1	49	17.85	17.92	17.86	19	2				
20	64QAM	1	99	17.85	17.69	17.85						
20	64QAM	50	0	16.84	16.97	16.86						
20	64QAM	50	24	16.74	16.90	16.72	18	3				
20	64QAM	50	50	16.86	16.79	16.66						
20	64QAM	100	0	16.73	16.88	17.01						
20	256QAM	1	0	14.80	14.85	14.80	16	5				
20	256QAM	1	49	14.72	14.68	14.60						
20	256QAM	1	99	14.67	14.73	14.55						
20	256QAM	1	49	17.83	17.88	17.81	19	2				
20	256QAM	1	99	17.83	17.68	17.85						
20	256QAM	50	0	16.84	16.97	16.86						
20	256QAM	50	24	16.74	16.90	16.72	18	3				
20	256QAM	50	50	16.86	16.79	16.66						
20	256QAM	100	0	16.73	16.88	17.04						
20	256QAM	1	0	14.71	14.83	14.60	16	5				
20	256QAM	1	49	14.72	14.68	14.60						
20	256QAM	1	99	14.67	14.73	14.55						
Channel												
Frequency (MHz)												
15	QPSK	1	0	19.86	19.89	19.74	21	0				
15	QPSK	1	49	19.83	19.77	19.73						
15	QPSK	1	99	19.74	19.83	19.79						
15	QPSK	36	0	18.88	18.94	18.81	20	1				
15	QPSK	36	18	18.85	18.90	18.86						
15	QPSK	36	39	18.80	18.79	18.88						
15	QPSK	75	0	18.91	18.91	18.87	20	1				
15	QPSK	75	1	18.90	18.91	18.85						
15	QPSK	1	37	18.84	18.84	18.85						
15	16QAM	1	74	18.84	18.79	18.82	19	2				
15	16QAM	36	0	17.89	17.88	17.78						
15	16QAM	36	18	17.81	17.81	17.80						
15	16QAM	36	39	17.79	17.80	17.79	19	2				
15	16QAM	75	0	17.80	17.87	17.83						
15	16QAM	75	1	17.80	17.80	17.82						
15	64QAM	1	37	17.72	18.01	17.86	19	2				
15	64QAM	1	74	17.90	17.63	17.85						
15	64QAM	36	0	16.86	16.96	16.86						
15	64QAM	36	20	16.73	16.89	16.80	18	3				
15	64QAM	36	39	16.83	16.78	16.68						
15	64QAM	75	0	16.81	16.95	17.09						
15	256QAM	1	0	14.77	14.89	14.65	16	5				
15	256QAM	1	37	14.77	14.69	14.65						
15	256QAM	1	74	14.82	14.80	14.86						
15	256QAM	1	49	14.79	14.79	14.86	16	5				
15	256QAM	36	20	14.59	14.87	14.83						
15	256QAM	36	39	14.71	14.82	14.67						
15	256QAM	75	0	14.74	14.73	14.73	16	5				
15	256QAM	75	1	14.74	14.74	14.74						
15	256QAM	75	0	14.74	14.74	14.74						
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.82	19.87	19.83	21	0				
5	QPSK	1	12	19.75	19.77	19.69						
5	QPSK	1	49	19.69	19.85	19.81						
5	QPSK	25	0	18.90	18.91	18.85	20	1				
5	QPSK	25	13	18.87	18.85	18.75						
5	QPSK	25	25	18.81	18.88	18.92						
5	QPSK	50	0	18.84	18.84	18.91	20	1				
5	QPSK	50	1	18.91	18.75	18.90						
5	QPSK	1	49	18.85	18.85	18.85						
5	16QAM	1	0	18.80	18.78	18.82	20	1				
5	16QAM	1	12	18.80	18.84	18.88						
5	16QAM	1	49	18.79	18.84	18.88						
5	16QAM	25	0	17.80	17.89	17.75	19	2				
5	16QAM	25	13	17.75	17.83	17.87						
5	16QAM	25	25	17.84	17.91	17.75						
5	16QAM	50	0	17.88	17.88	17.84	19	2				
5	16QAM	50	1	17.73	17.85	17.85						
5	16QAM	1	25	17.69	18.03	17.75						
5	64QAM	1	49	17.86	17.65	17.80	18	3				
5	64QAM	25	0	16.86	16.96	16.86						
5	64QAM	25	12	16.84	16.89	16.80						
5	64QAM	25	25	16.87	16.82	16.72	18	3				
5	64QAM	50	0	16.77	16.84	17.08						
5	64QAM	1	0	14.81	14.89	14.93						
5	256QAM	1	25	14.78	14.74	14.81	16	5				
5	256QAM	1	49	14.79	14.79	14.86						
5	256QAM	25	0	14.80	14.86	14.91						
5	256QAM	25	12	14.64	14.87	14.91	16	5				
5	256QAM	25	25	14.69	14.75	14.68						
5	256QAM	50	0	14.64	14.73	14.73						
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.86	19.91	19.76	21	0				
5	QPSK	1	12	19.75	19.77	19.69						
5	QPSK	1	49	19.67	19.76	19.78						
5	QPSK	12	0	18.80	18.83	18.91	20	1				
5	QPSK	12	7	18.86	18.85	18.85						
5	QPSK	12	13	18.80	18.87	18.93						
5	QPSK	25	0	18.82	18.83	18.89	20	1				
5	QPSK	25	1	18.80	18.78	18.82						
5	QPSK	1	12	18.84	18.84	18.89						
5	16QAM	1	12	18.84	18.84	18.89	20	1				
5	16QAM	1	24	18.79	18.90	18.75						
5	16QAM	12	0	17.82	17.92	17.78						
5	16QAM	12	7	17.82	17.80	17.87	19	2				
5	16QAM	12	13	17.84	17.85	17.77						
5	16QAM	25	0	17.89	17.95	17.86						
5	64QAM	1	0	17.63	17.83	17.70	19	2				
5	64QAM	1	12	17.61	17.96	17.73						
5	64QAM	1	24	17.91	17.63	17.88						
5	64QAM	12	0	16.89	16.96	16.86	18	3				
5	64QAM	12	13	16.84	16.82	16.79						
5	64QAM	25	0	16.79	16.86	16.99						
5	256QAM	1	12	14.70	14.70	14.87	16	5				
5	256QAM	1	24	14.87	14.81	14.86						
5	256QAM	12	7	14.50	14.87	14.89						
5	256QAM	12	13	14.68	14.81	14.74	16	5				
5	256QAM	25	0	14.74	14.80	14.74						
5	256QAM	25	0	14.74	14.80	14						

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						
Rx 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		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

Band 7 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.68	20.78	20.75			
20	QPSK	1	49	20.50	20.72	20.57	22	0	
20	QPSK	1	99	20.56	20.65	20.51			
20	QPSK	50	0	19.70	19.75	19.73			
20	QPSK	50	24	19.56	19.60	19.49	21	1	
20	QPSK	50	50	19.54	19.60	19.56			
20	QPSK	100	0	19.67	19.71	19.68			
20	16QAM	1	0	19.85	19.97	19.95			
20	16QAM	1	49	19.92	19.96	19.89	21	1	
20	16QAM	1	99	19.94	20.01	19.80			
20	16QAM	50	0	18.48	18.57	18.48			
20	16QAM	50	24	18.47	18.56	18.44	20	2	
20	16QAM	50	50	18.46	18.64	18.58			
20	16QAM	100	0	18.49	18.70	18.44			
20	64QAM	1	0	18.71	18.78	18.77			
20	64QAM	1	49	18.79	18.70	18.71	20	2	
20	64QAM	1	99	18.71	18.83	18.83			
20	64QAM	50	0	17.62	17.54	17.45			
20	64QAM	50	24	17.55	17.66	17.55	19	3	
20	64QAM	50	50	17.47	17.65	17.58			
20	64QAM	100	0	17.37	17.41	17.45			
20	256QAM	1	0	15.53	15.68	15.74			
20	256QAM	1	49	15.48	15.70	15.80	17	5	
20	256QAM	1	99	15.64	15.72	15.70			
20	256QAM	50	0	15.40	15.43	15.46			
20	256QAM	50	24	15.33	15.51	15.38	17	5	
20	256QAM	50	50	15.30	15.53	15.42			
20	256QAM	100	0	15.36	15.66	15.42			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.56	20.75	20.64			
15	QPSK	1	37	20.49	20.69	20.59	22	0	
15	QPSK	1	74	20.55	20.81	20.32			
15	QPSK	36	0	19.58	19.65	19.53			
15	QPSK	36	20	19.50	19.60	19.43	21	1	
15	QPSK	36	39	19.46	19.52	19.47			
15	QPSK	75	0	19.55	19.58	19.59			
15	16QAM	1	0	19.81	19.94	19.92			
15	16QAM	1	37	19.88	19.91	19.81	21	1	
15	16QAM	1	74	19.92	20.00	19.74			
15	16QAM	36	0	18.41	18.53	18.44			
15	16QAM	36	20	18.33	18.53	18.41	20	2	
15	16QAM	36	39	18.41	18.59	18.59			
15	16QAM	75	0	18.46	18.57	18.46			
15	64QAM	1	0	18.64	18.67	18.67			
15	64QAM	1	37	18.73	18.64	18.66	20	2	
15	64QAM	1	74	18.63	18.79	18.75			
15	64QAM	36	0	17.55	17.56	17.42			
15	64QAM	36	20	17.47	17.52	17.50	19	3	
15	64QAM	36	39	17.41	17.54	17.47			
15	64QAM	75	0	17.34	17.38	17.47			
15	256QAM	1	0	15.50	15.59	15.67			
15	256QAM	1	37	15.48	15.56	15.71	17	5	
15	256QAM	1	74	15.65	15.68	15.60			
15	256QAM	36	0	15.38	15.41	15.50			
15	256QAM	36	20	15.25	15.56	15.34	17	5	
15	256QAM	36	39	15.32	15.47	15.43			
15	256QAM	75	0	15.32	15.53	15.29			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.64	20.65	20.60			
10	QPSK	1	25	20.46	20.73	20.52	22	0	
10	QPSK	1	49	20.61	20.57	20.44			
10	QPSK	25	0	19.56	19.66	19.54	21	1	
10	QPSK	25	12	19.46	19.62	19.46			
10	QPSK	25	25	19.43	19.55	19.46			
10	QPSK	50	0	19.58	19.59	19.48			
10	16QAM	1	0	19.75	19.90	19.86			
10	16QAM	1	25	19.96	19.99	19.84	21	1	
10	16QAM	1	49	19.92	19.94	19.76			
10	16QAM	25	0	18.51	18.59	18.43	20	2	
10	16QAM	25	12	18.41	18.55	18.35			
10	16QAM	25	25	18.45	18.50	18.59			
10	16QAM	50	0	18.43	18.58	18.47			
10	64QAM	1	0	18.71	18.78	18.63	20	2	
10	64QAM	1	25	18.71	18.70	18.57			
10	64QAM	1	49	18.55	18.77	18.80			
10	64QAM	25	0	17.55	17.52	17.42	19	3	
10	64QAM	25	12	17.48	17.55	17.58			
10	64QAM	25	25	17.39	17.52	17.53			
10	64QAM	50	0	17.31	17.40	17.40			
10	256QAM	1	0	15.46	15.60	15.62	17	5	
10	256QAM	1	25	15.45	15.57	15.58			
10	256QAM	1	49	15.58	15.61	15.67			
10	256QAM	25	0	15.40	15.34	15.43	17	5	
10	256QAM	25	12	15.28	15.48	15.34			
10	256QAM	25	25	15.26	15.43	15.35			
10	256QAM	50	0	15.34	15.53	15.35			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	20.63	20.74	20.56			
5	QPSK	1	12	20.48	20.64	20.52	22	0	
5	QPSK	1	24	20.59	20.67	20.50			
5	QPSK	12	0	19.57	19.63	19.59			
5	QPSK	12	7	19.44	19.54	19.44	21	1	
5	QPSK	12	13	19.43	19.47	19.36			
5	QPSK	25	0	19.52	19.62	19.52			
5	16QAM	1	0	19.76	19.87	19.85			
5	16QAM	1	12	19.90	19.99	19.85	21	1	
5	16QAM	1	24	19.88	20.01	19.81			
5	16QAM	12	0	18.47	18.56	18.44			
5	16QAM	12	7	18.37	18.51	18.41	20	2	
5	16QAM	12	13	18.42	18.50	18.57			
5	16QAM	25	0	18.42	18.56	18.46			
5	64QAM	1	0	18.70	18.76	18.60			
5	64QAM	1	12	18.71	18.70	18.63	20	2	
5	64QAM	1	24	18.58	18.88	18.84			
5	64QAM	12	0	17.56	17.49	17.49			
5	64QAM	12	7	17.50	17.59	17.54	19	3	
5	64QAM	12	13	17.41	17.52	17.53			
5	64QAM	25	0	17.27	17.35	17.36			
5	256QAM	1	0	15.46	15.65	15.57			
5	256QAM	1	12	15.51	15.56	15.70	17	5	
5	256QAM	1	24	15.60	15.61	15.57			
5	256QAM	12	0	15.40	15.32	15.51			
5	256QAM	12	7	15.31	15.47	15.31	17	5	
5	256QAM	12	13	15.24	15.47	15.46			
5	256QAM	25	0	15.31	15.62	15.34			

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			
20	QPSK	1	49	21.44	21.62	21.55	23	0	
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	22	1	
20	QPSK	50	50	20.46	20.48	20.45			
20	QPSK	100	0	20.61	20.65	20.65			
20	16QAM	1	0	20.79	20.78	20.83			
20	16QAM	1	49	20.93	20.89	20.86	22	1	
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	21	2	
20	16QAM	50	50	19.38	19.53	19.47			
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			
20	256QAM	1	49	16.42	16.55	16.70	18	5	
20	256QAM	1	99	16.57	16.65	16.54			
20	256QAM	50	0	16.39	16.34	16.45			
20	256QAM	50	24	16.31	16.42	16.26	18	5	
20	256QAM	50	50	16.29	16.41	16.41			
20	256QAM	100	0	16.28	16.52	16.27			
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	21.61</					

Band 38 Ant1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.	Time-up limit (dftm)	MPR (dftm)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.65	21.69	21.61	23	0						
20	QPSK	1	49	21.67	21.71	21.63								
20	QPSK	1	99	21.69	21.74	21.71								
20	QPSK	50	0	20.48	20.54	20.61								
20	QPSK	50	24	20.38	20.45	20.37	22	1						
20	QPSK	50	50	20.42	20.54	20.49								
20	QPSK	100	0	20.45	20.58	20.49								
20	16QAM	1	0	20.74	20.83	20.81								
20	16QAM	1	49	20.84	20.95	20.89	22	1						
20	16QAM	1	99	20.93	20.99	20.98								
20	16QAM	50	0	19.41	19.45	19.40								
20	16QAM	50	24	19.27	19.32	19.21								
20	16QAM	50	50	19.44	19.49	19.44	21	2						
20	16QAM	100	0	19.36	19.48	19.38								
20	64QAM	1	0	19.96	19.96	19.96								
20	64QAM	1	49	19.91	19.99	19.97		21	2					
20	64QAM	1	99	19.47	19.79	19.72	20							
20	64QAM	50	0	18.58	18.58	18.49								
20	64QAM	50	24	18.48	18.54	18.57								
20	64QAM	50	50	18.39	18.49	18.43	20	3						
20	64QAM	100	0	18.26	18.44	18.39								
20	256QAM	1	0	16.93	16.94	16.86								
20	256QAM	1	49	16.30	16.59	16.57		18	5					
20	256QAM	1	99	16.57	16.55	16.51	18							
20	256QAM	50	0	16.23	16.52	16.51								
20	256QAM	50	24	16.27	16.61	16.24								
20	256QAM	50	50	16.36	16.46	16.33	18	5						
20	256QAM	100	0	16.36	16.52	16.37								
Channel														
Frequency (MHz)														
15	QPSK	1	0	21.67	21.68	21.50	23	0						
15	QPSK	1	49	21.68	21.70	21.68								
15	QPSK	1	99	21.69	21.74	21.71								
15	QPSK	50	0	20.48	20.52	20.61								
15	QPSK	50	24	20.38	20.45	20.43	22	1						
15	QPSK	50	50	20.42	20.52	20.47								
15	QPSK	100	0	20.44	20.56	20.47								
15	16QAM	1	0	20.67	20.78	20.80								
15	16QAM	1	37	20.82	20.95	20.87	22	1						
15	16QAM	1	74	20.92	20.99	20.99								
15	16QAM	50	0	19.33	19.49	19.28								
15	16QAM	50	24	19.20	19.32	19.40								
15	16QAM	50	50	19.42	19.49	19.48	21	2						
15	16QAM	100	0	19.38	19.48	19.37								
15	64QAM	1	0	19.63	19.64	19.62								
15	64QAM	1	37	19.61	19.62	19.52		20	3					
15	64QAM	1	74	19.48	19.75	19.70	20							
15	64QAM	50	0	18.58	18.58	18.49								
15	64QAM	50	24	18.56	18.59	18.59								
15	64QAM	50	50	18.36	18.54	18.44	18	5						
15	64QAM	100	0	18.27	18.38	18.40								
15	256QAM	1	0	16.93	16.94	16.86								
15	256QAM	1	37	16.45	16.56	16.58		18	5					
15	256QAM	1	74	16.52	16.58	16.60								
15	256QAM	50	0	16.45	16.53	16.49								
15	256QAM	50	24	16.24	16.45	16.29		18	5					
15	256QAM	50	50	16.35	16.48	16.33								
15	256QAM	100	0	16.31	16.53	16.23								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.67	21.68	21.61	23	0						
5	QPSK	1	24	21.64	21.68	21.60								
5	QPSK	12	0	20.58	20.63	20.57								
5	QPSK	12	13	20.39	20.53	20.47		22	1					
5	QPSK	25	0	20.49	20.50	20.52	22							
5	16QAM	1	0	20.68	20.84	20.89								
5	16QAM	1	12	20.84	20.99	20.79								
5	16QAM	1	24	20.85	20.92	20.74	21	2						
5	16QAM	12	0	19.40	19.55	19.41								
5	16QAM	12	7	19.31	19.53	19.44								
5	16QAM	12	13	19.48	19.48	19.47		21	2					
5	16QAM	25	0	19.40	19.49	19.46								
5	64QAM	1	0	19.62	19.61	19.67	21	2						
5	64QAM	1	12	19.69	19.69	19.57								
5	64QAM	1	24	19.49	19.64	19.66		20	3					
5	64QAM	12	0	18.53	18.57	18.42								
5	64QAM	12	7	18.51	18.54	18.49								
5	64QAM	12	13	18.49	18.54	18.45	18	5						
5	256QAM	1	0	16.58	16.59	16.44								
5	256QAM	1	12	16.38	16.51	16.58								
5	256QAM	1	24	16.56	16.59	16.57		18	5					
5	256QAM	12	7	16.34	16.41	16.28								
5	256QAM	12	13	16.29	16.52	16.33								
5	256QAM	25	0	16.31	16.51	16.23								

Band 41 Ant1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.	Time-up limit (dftm)	MPR (dftm)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.65	21.71	21.72	23	0				
20	QPSK	1	49	21.69	21.76	21.82						
20	QPSK	1	99	21.47	21.62	21.70						
20	QPSK	50	0	20.56	20.57	20.67						
20	QPSK	50	24	20.47	20.49	20.51	22	1				
20	QPSK	50	50	20.38	20.55	20.57						
20	QPSK	100	0	20.58	20.60	20.65						
20	16QAM	1	0	20.81	20.81	20.88		22	1			
20	16QAM	1	49	20.86	21.02	21.08						
20	16QAM	1	99	20.95	21.05	20.98						
20	16QAM	50	0	19.46	19.55	19.59		21	2			
20	16QAM	50	24	19.35	19.47	19.31						
20	16QAM	50	50	19.56	19.49	19.49						
20	16QAM	100	0	19.41	19.51	19.49		21	2			
20	64QAM	1	0	19.91	19.94	19.74						
20	64QAM	1	49	19.84	19.70	19.69						
20	64QAM	1	99	19.58	19.83	19.77	20	3				
20	64QAM	50	0	18.58	18.58	18.62						
20	64QAM	50	24	18.59	18.64	18.53						
20	64QAM	50	50	18.50	18.56	18.55		18	5			
20	64QAM	100	0	18.33	18.41	18.48						
20	256QAM	1	0	16.41	16.67	16.67						
20	256QAM	1	49	16.48	16.68	16.66		18	5			
20	256QAM	1	99	16.60	16.84	16.83						
20	256QAM	50	0	16.44	16.42	16.57						
20	256QAM	50	24	16.28	16.46	16.51		18	5			

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 3 Tx slots		26.33	26.38	26.35	27.50		22.07	22.12	22.09	23.25	

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 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	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	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 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 1 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

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	17.98					
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	17.82	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)				
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	848.8	(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	8400	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				20850	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)				20450	20525	20600		
				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	

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 3 Tx side		26.33	26.38	26.35	27.50		22.07	22.12	22.09	23.25	

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	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	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	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)		834.2	836.4	848.6		834.2	836.4	848.6	
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 Ref. 98	RM-12.2Kbps	22.81	22.84	22.75	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)				820	835.5	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				20850	21100	21350						
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	1				
20	QPSK	50	24	18.76	18.67	18.73						
20	QPSK	50	50	18.71	18.75	18.72						
20	QPSK	100	0	18.72	18.76	18.71	20	1				
20	16QAM	1	0	18.71	18.75	18.76						
20	16QAM	1	49	18.69	18.71	18.80						
20	16QAM	1	99	18.67	18.72	18.76	19	2				
20	16QAM	50	0	17.75	17.85	17.68						
20	16QAM	50	24	17.66	17.79	17.77						
20	16QAM	50	50	17.74	17.76	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	19	2				
20	64QAM	1	99	17.74	17.60	17.72						
20	64QAM	50	0	16.49	16.68	16.80						
20	64QAM	50	24	16.53	16.80	16.61	18	3				
20	64QAM	50	50	16.76	16.65	16.58						
20	64QAM	100	0	16.65	16.89	16.91						
20	256QAM	1	0	14.56	14.83	14.77	16	5				
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	14.78	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				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2507.5	2535	2562.5						
15	QPSK	1	0	18.70	18.76	18.66	21	0				
15	QPSK	1	37	18.51	18.59	18.46						
15	QPSK	1	74	18.54	18.62	18.62						
15	QPSK	36	0	18.62	18.75	18.69	20	1				
15	QPSK	36	20	18.72	18.63	18.67						
15	QPSK	36	39	18.67	18.63	18.72						
15	QPSK	75	0	18.74	18.74	18.66	20	1				
15	16QAM	1	0	18.70	18.69	18.69						
15	16QAM	1	37	18.69	18.62	18.69						
15	16QAM	1	74	18.63	18.71	18.68	19	2				
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	17.68	19	2				
15	16QAM	75	0	17.69	17.80	17.70						
15	64QAM	1	0	17.47	17.76	17.53						
15	64QAM	1	37	17.47	17.85	17.66	19	2				
15	64QAM	1	74	17.68	17.48	17.67						
15	64QAM	36	0	16.44	16.76	16.70						
15	64QAM	36	20	16.50	16.78	16.63	18	3				
15	64QAM	36	39	16.63	16.70	16.57						
15	64QAM	75	0	16.65	16.87	16.86						
15	256QAM	1	0	14.54	14.68	14.70	16	5				
15	256QAM	1	37	14.53	14.53	14.61						
15	256QAM	1	74	14.72	14.64	14.73						
15	256QAM	36	0	14.82	14.83	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	19.65						
10	QPSK	25	0	18.63	18.77	18.67	20	1				
10	QPSK	25	12	18.69	18.66	18.65						
10	QPSK	25	25	18.67	18.66	18.68						
10	QPSK	50	0	18.66	18.68	18.65	20	1				
10	16QAM	1	0	18.73	18.70	18.71						
10	16QAM	1	25	18.63	18.61	18.70						
10	16QAM	1	49	18.66	18.71	18.69	19	2				
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	19	2				
10	64QAM	1	49	17.72	17.48	17.69						
10	64QAM	25	0	16.40	16.73	16.76						
10	64QAM	25	12	16.59	16.78	16.63	18	3				
10	64QAM	25	25	16.72	16.62	16.50						
10	64QAM	50	0	16.62	16.77	16.90						
10	256QAM	1	0	14.47	14.78	14.66	16	5				
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	14.48						
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2527.5	2535	2527.5						
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	20	1				
5	QPSK	12	7	18.72	18.66	18.59						
5	QPSK	12	13	18.66	18.70	18.74						
5	QPSK	25	0	18.73	18.73	18.65	20	1				
5	16QAM	1	0	18.69	18.67	18.65						
5	16QAM	1	12	18.71	18.71	18.69						
5	16QAM	1	24	18.63	18.69	18.74	19	2				
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	19	2				
5	64QAM	1	24	17.66	17.47	17.62						
5	64QAM	12	0	16.48	16.79	16.74						
5	64QAM	12	7	16.48	16.69	16.64	18	3				
5	64QAM	12	13	16.64	16.66	16.58						
5	64QAM	25	0									

GSM850 Ant1	Burst Average Power (dBm)			Tune-up			Frame Average Power (dBm)			Tune-up	
	Limit			Limit			Limit			Limit	
	128 189 251			128 189 251			128 189 251			128 189 251	
	Frequency (MHz)			Frequency (MHz)			Frequency (MHz)			Frequency (MHz)	
GPRS 4 Tx slots	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4
	25.28	25.35	25.32	25.60	22.28	22.35	22.32	22.32	22.32	23.60	

GSM1800 Ant1	Burst Average Power (dBm)			Tune-up			Frame Average Power (dBm)			Tune-up	
	Limit			Limit			Limit			Limit	
	512 861 810			512 861 810			512 861 810			512 861 810	
	Frequency (MHz)			Frequency (MHz)			Frequency (MHz)			Frequency (MHz)	
GPRS 4 Tx slots	1850.2	1860	1809.8	1850.2	1860	1809.8	1850.2	1860	1809.8	1850.2	1860
	19.37	19.38	19.32	20.60	16.37	16.38	16.32	16.32	16.32	17.60	

Band	WCDMA 8 Ant1			Tune-up			WCDMA 8 Ant1			Tune-up	
	Limit			Limit			Limit			Limit	
	5562 8400 9538			5562 8400 9538			5562 8400 9538			5562 8400 9538	
	Frequency (MHz)			Frequency (MHz)			Frequency (MHz)			Frequency (MHz)	
SGPP Rel 99	1852.4	1880	1907.8	1852.4	1880	1907.8	1852.4	1880	1907.8	1852.4	1880
RMC 12.2Kbps	16.88	16.92	16.89	18.20	21.55	21.58	21.57	21.57	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									
Frequency (MHz)				18700	18800	19100			
20	QPSK	1	0	16.52	16.56	16.53	17.6	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	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								
Frequency (MHz)				26765	26865	26965		
				821.5	831.5	841.5		
15	QPSK	1	0	21.52	21.55	21.51	22.7	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	16.19	16.25	16.21	17.1	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	20.82	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		Frame Average Power (dBm)				Tune-up	
TX Channel				512	661	810	Limit	Limit		512	661	810	Limit	Limit	
Frequency (MHz)				1850.2	1860	1869.8	(dBm)	(dBm)		1850.2	1860	1869.8	(dBm)	(dBm)	
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	Limit	
Rx Channel				9862	9800	9938	(dBm)	(dBm)	
Frequency (MHz)				1852.4	1860	1907.6			
SCPP Ref 69				RMC 12.2Kbps	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 ant (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 ant (dBm)	MPR (dB)	
Channel				20550	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 38 Ant9														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	17.58	17.62	17.55	19	0						
20	QPSK	1	49	17.49	17.52	17.56								
20	QPSK	1	99	17.57	17.57	17.49								
20	QPSK	50	0	17.49	17.50	17.52								
20	QPSK	50	24	17.51	17.58	17.53	19	0						
20	QPSK	50	50	17.54	17.51	17.56								
20	QPSK	100	0	17.53	17.58	17.57								
20	16QAM	1	0	17.50	17.57	17.54								
20	16QAM	1	49	17.56	17.53	17.48	19	0						
20	16QAM	1	99	17.54	17.57	17.59								
20	16QAM	50	0	17.58	17.52	17.50								
20	16QAM	50	24	17.49	17.54	17.54								
20	16QAM	50	50	17.47	17.56	17.53	19	0						
20	16QAM	100	0	17.53	17.53	17.52								
20	64QAM	1	0	17.47	17.55	17.51								
20	64QAM	1	49	17.57	17.57	17.52								
20	64QAM	1	99	17.57	17.59	17.48	19	0						
20	64QAM	50	0	17.53	17.52	17.53								
20	64QAM	50	24	17.54	17.58	17.52								
20	64QAM	50	50	17.51	17.53	17.48								
20	64QAM	100	0	17.48	17.52	17.53	19	0						
20	256QAM	1	0	17.48	17.53	17.52								
20	256QAM	1	49	17.54	17.58	17.53								
20	256QAM	1	99	17.48	17.52	17.56								
20	256QAM	50	0	17.48	17.52	17.56	19	0						
20	256QAM	50	24	17.48	17.60	17.48								
20	256QAM	50	50	17.53	17.57	17.51								
20	256QAM	100	0	17.48	17.56	17.52								
Channel														
Frequency (MHz)														
15	QPSK	1	0	17.52	17.55	17.52	19	0						
15	QPSK	1	49	17.53	17.57	17.52								
15	QPSK	1	99	17.53	17.57	17.52								
15	QPSK	50	0	17.47	17.48	17.46								
15	QPSK	36	0	17.43	17.52	17.42	19	0						
15	QPSK	36	39	17.45	17.48	17.45								
15	QPSK	36	75	17.45	17.52	17.44								
15	QPSK	75	0	17.51	17.53	17.43								
15	16QAM	1	0	17.42	17.47	17.42	19	0						
15	16QAM	1	49	17.46	17.48	17.41								
15	16QAM	1	99	17.47	17.45	17.49								
15	16QAM	50	0	17.46	17.45	17.51								
15	16QAM	50	24	17.46	17.48	17.41	19	0						
15	16QAM	36	0	17.46	17.45	17.51								
15	16QAM	36	39	17.48	17.48	17.53								
15	16QAM	75	0	17.49	17.43	17.51								
15	64QAM	1	0	17.42	17.47	17.46	19	0						
15	64QAM	1	49	17.47	17.41	17.47								
15	64QAM	1	99	17.47	17.45	17.49								
15	64QAM	50	0	17.46	17.47	17.46								
15	64QAM	50	24	17.46	17.48	17.41	19	0						
15	64QAM	36	0	17.46	17.45	17.51								
15	64QAM	36	39	17.48	17.48	17.53								
15	64QAM	75	0	17.49	17.43	17.51								
15	256QAM	1	0	17.42	17.47	17.46	19	0						
15	256QAM	1	49	17.47	17.41	17.47								
15	256QAM	1	99	17.47	17.45	17.49								
15	256QAM	50	0	17.46	17.47	17.46								
15	256QAM	50	24	17.46	17.48	17.41	19	0						
15	256QAM	36	0	17.46	17.45	17.51								
15	256QAM	36	39	17.48	17.48	17.53								
15	256QAM	75	0	17.49	17.43	17.51								
Channel														
Frequency (MHz)														
5	QPSK	1	0	17.46	17.55	17.44	19	0						
5	QPSK	1	12	17.51	17.54	17.45								
5	QPSK	1	24	17.41	17.56	17.50								
5	QPSK	12	0	17.49	17.53	17.52								
5	QPSK	12	7	17.44	17.55	17.49	19	0						
5	QPSK	12	13	17.45	17.52	17.42								
5	QPSK	25	0	17.51	17.53	17.47								
5	16QAM	1	12	17.47	17.49	17.44								
5	16QAM	1	24	17.47	17.53	17.46	19	0						
5	16QAM	12	0	17.46	17.53	17.41								
5	16QAM	12	7	17.43	17.53	17.53								
5	16QAM	12	13	17.42	17.49	17.44								
5	16QAM	25	0	17.44	17.52	17.45	19	0						
5	16QAM	25	0	17.44	17.52	17.45								
5	64QAM	1	12	17.47	17.53	17.46								
5	64QAM	1	24	17.42	17.50	17.45								
5	64QAM	12	0	17.41	17.49	17.51	19	0						
5	64QAM	12	7	17.48	17.50	17.46								
5	64QAM	12	13	17.47	17.45	17.45								
5	64QAM	25	0	17.41	17.49	17.51								
5	256QAM	1	12	17.44	17.52	17.45	19	0						
5	256QAM	1	24	17.52	17.52	17.41								
5	256QAM	12	0	17.46	17.50	17.47								
5	256QAM	12	7	17.43	17.51	17.47								
5	256QAM	12	13	17.47	17.56	17.42	19	0						
5	256QAM	25	0	17.48	17.56	17.47								
5	256QAM	25	0	17.48	17.47	17.43								
5	256QAM	25	0	17.48	17.47	17.43								

Band 41 Ant9										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co./Freq.	Power Low Middle Co./Freq.	Power Middle Co./Freq.	Power High Middle Co./Freq.	Power High Co./Freq.	Time-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.55	17.55	17.63	17.50	17.57	19	0
20	QPSK	1	49	17.48	17.47	17.53	17.58	17.57		
20	QPSK	1	99	17.59	17.58	17.55	17.54	17.54		
20	QPSK	50	0	17.48	17.56	17.62	17.50	17.52		
20	QPSK	50	24	17.53	17.58	17.53	17.53	17.55	19	0
20	QPSK	50	50	17.58	17.59	17.59	17.58	17.57		
20	QPSK	100	0	17.58	17.48	17.61	17.57	17.49		
20	16QAM	1	0	17.47	17.59	17.63	17.58	17.52		
20	16QAM	1	49							

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	
GPBS 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	24	0
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				827.65	20065	20065	24	0
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 8 Ant1			Tune-up		WCDMA 1 Ant1			Tune-up	
TX Channel		5562	8400	5538	Limit					Limit	
Rx Channel		5462	8400	5438	(dBm)					(dBm)	
Frequency (MHz)		1882.4	1880	1907.8							
3GPP Rel 99	RMC 12.2Kbps	20.77	20.81	20.75	22.00						
							4112	4182	4233		
							4353	4487	4488		
							826.4	836.4	846.6		
							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)				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	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	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 38 Ant2														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dbm)	MPR (db)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	2245	2256	2249	24	0						
20	QPSK	1	49	2245	2246	2237								
20	QPSK	1	99	2243	2245	2235								
20	QPSK	50	0	2145	2151	2147								
20	QPSK	50	24	2141	2148	2135	23	1						
20	QPSK	50	50	2139	2146	2133								
20	QPSK	100	0	2144	2145	2138								
20	16QAM	1	0	2164	2167	2175								
20	16QAM	1	49	2179	2187	2189	23	1						
20	16QAM	1	99	2183	2177	2165								
20	16QAM	50	0	2026	2036	2038								
20	16QAM	50	24	2025	2042	2026								
20	16QAM	50	50	2026	2029	2033	22	2						
20	16QAM	100	0	2030	2040	2037								
20	64QAM	1	0	2052	2050	2056								
20	64QAM	1	49	2041	2052	2046								
20	64QAM	1	99	2041	2055	2056	22	2						
20	64QAM	50	0	1950	1939	1934								
20	64QAM	50	24	1936	1935	1947								
20	64QAM	50	50	1933	1940	1931								
20	64QAM	100	0	1933	1934	1951	21	3						
20	256QAM	1	0	1752	1749	1742								
20	256QAM	1	49	1747	1747	1745								
20	256QAM	1	99	1746	1750	1745								
20	256QAM	50	0	1746	1746	1745	19	5						
20	256QAM	50	24	1753	1752	1746								
20	256QAM	50	50	1750	1754	1747								
20	256QAM	100	0	1747	1751	1743								
Channel														
Frequency (MHz)														
15	QPSK	1	0	2237	2232	2237	24	0						
15	QPSK	1	37	2247	2246	2233								
15	QPSK	1	74	2250	2237	2234								
15	QPSK	36	0	2135	2141	2141								
15	QPSK	36	0	2135	2143	2139	23	1						
15	QPSK	36	39	2131	2149	2132								
15	QPSK	75	0	2138	2143	2139								
15	QPSK	1	0	2162	2173	2162								
15	16QAM	1	37	2183	2182	2172	23	1						
15	16QAM	1	74	2184	2183	2170								
15	16QAM	36	0	2030	2042	2034								
15	16QAM	36	20	2029	2032	2035								
15	16QAM	36	39	2030	2028	2033	22	2						
15	16QAM	75	0	2036	2038	2038								
15	64QAM	1	0	2057	2058	2048								
15	64QAM	1	37	2048	2044	2047								
15	64QAM	1	74	2045	2058	2049	22	2						
15	64QAM	36	0	1942	1943	1938								
15	64QAM	36	20	1943	1945	1941								
15	64QAM	36	39	1936	1936	1938								
15	64QAM	75	0	1936	1932	1940	21	3						
15	256QAM	1	0	1748	1748	1745								
15	256QAM	1	37	1747	1752	1744								
15	256QAM	1	74	1749	1749	1741								
15	256QAM	36	0	1743	1747	1747	19	5						
15	256QAM	36	20	1750	1742	1736								
15	256QAM	36	39	1747	1754	1751								
15	256QAM	75	0	1750	1753	1749								
15	256QAM	100	0	1747	1752	1753								
15	256QAM	100	0	1747	1752	1753								
Channel														
Frequency (MHz)														
5	QPSK	1	0	2237	2232	2237	24	0						
5	QPSK	1	12	2250	2247	2239								
5	QPSK	1	25	2249	2243	2237								
5	QPSK	1	49	2247	2242	2233								
5	QPSK	25	0	2134	2143	2138	23	1						
5	QPSK	25	0	2132	2143	2133								
5	QPSK	12	0	2132	2142	2141								
5	QPSK	12	7	2131	2143	2131								
5	QPSK	12	13	2131	2140	2136	23	1						
5	QPSK	25	0	2130	2139	2135								
5	16QAM	1	0	2164	2168	2180								
5	16QAM	1	12	2180	2191	2199								
5	16QAM	1	24	2181	2181	2170	23	1						
5	16QAM	12	0	2025	2043	2041								
5	16QAM	12	7	2026	2032	2027								
5	16QAM	12	13	2030	2035	2028								
5	16QAM	25	0	2035	2037	2035	22	2						
5	16QAM	50	0	2040	2041	2038								
5	64QAM	1	0	2057	2057	2056								
5	64QAM	1	12	2041	2042	2049								
5	64QAM	1	24	2039	2055	2056	22	2						
5	64QAM	12	0	1944	1946	1938								
5	64QAM	12	7	1941	1954	1949								
5	64QAM	12	13	1934	1938	1929								
5	64QAM	25	0	1938	1937	1930	21	3						
5	256QAM	1	0	1746	1750	1734								
5	256QAM	1	12	1747	1751	1751								
5	256QAM	1	24	1748	1753	1741								
5	256QAM	12	0	1744	1753	1738	19	5						
5	256QAM	12	7	1755	1742	1739								
5	256QAM	12	13	1745	1751	1752								
5	256QAM	25	0	1748	1751	1743								

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 ant (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 ant (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 38 Ant0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co. (Frac)	Power Middle Co. (Frac)	Power High Co. (Frac)	Time-up limit (dbm)	MPR (db)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	19.89	19.92	19.95	21	0				
20	QPSK	1	49	19.96	19.97	19.98						
20	QPSK	1	99	19.96	19.92	19.90						
20	QPSK	50	0	18.82	18.90	18.89						
20	QPSK	50	24	18.78	18.87	18.84	20	1				
20	QPSK	50	50	18.85	18.83	18.86						
20	QPSK	100	0	18.83	18.87	18.84						
20	16QAM	1	0	18.84	18.85	18.83						
20	16QAM	1	49	18.77	18.83	18.84	20	1				
20	16QAM	1	99	18.75	18.90	18.82						
20	16QAM	50	0	17.83	17.96	17.79						
20	16QAM	50	24	17.78	17.85	17.82						
20	16QAM	50	50	17.85	17.93	17.88	19	2				
20	16QAM	100	0	17.82	17.95	17.84						
20	64QAM	1	0	17.85	17.82	17.82						
20	64QAM	1	49	17.83	17.88	17.81						
20	64QAM	1	99	17.85	17.69	17.85	18	3				
20	64QAM	50	0	16.84	16.97	16.86						
20	64QAM	50	24	16.74	16.90	16.72						
20	64QAM	50	50	16.86	16.79	16.66						
20	64QAM	100	0	16.73	16.88	17.01	16	5				
20	256QAM	1	0	14.80	14.85	14.80						
20	256QAM	1	49	14.72	14.68	14.60						
20	256QAM	1	99	14.67	14.73	14.55						
Channel												
Frequency (MHz)												
15	QPSK	1	0	19.86	19.89	19.74	21	0				
15	QPSK	1	49	19.83	19.77	19.81						
15	QPSK	1	99	19.74	19.83	19.79						
15	QPSK	36	0	18.88	18.94	18.81						
15	QPSK	36	0	18.88	18.94	18.81	20	1				
15	QPSK	36	39	18.80	18.79	18.88						
15	QPSK	75	0	18.91	18.91	18.87						
15	QPSK	1	0	18.86	18.91	18.85						
15	16QAM	1	37	18.84	18.84	18.85	20	1				
15	16QAM	1	74	18.84	18.79	18.82						
15	16QAM	36	0	17.89	17.88	17.78						
15	16QAM	36	39	17.81	17.81	17.80						
15	16QAM	36	39	17.79	17.80	17.79	19	2				
15	16QAM	75	0	17.80	17.87	17.83						
15	64QAM	1	0	14.84	14.75	14.84						
15	64QAM	1	37	17.72	18.01	17.86						
15	64QAM	1	74	17.90	17.63	17.88	18	3				
15	64QAM	36	0	16.86	16.96	16.86						
15	64QAM	36	39	16.73	16.89	16.80						
15	64QAM	75	0	16.81	16.95	17.09						
15	256QAM	1	0	14.77	14.83	14.89	16	5				
15	256QAM	1	37	14.77	14.69	14.85						
15	256QAM	1	74	14.82	14.80	14.86						
15	256QAM	36	20	14.59	14.87	14.83						
15	256QAM	36	39	14.71	14.82	14.67	16	5				
15	256QAM	75	0	14.74	14.73	14.78						
15	256QAM	75	0	14.74	14.73	14.78						
15	256QAM	75	0	14.74	14.73	14.78						
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.82	19.87	19.83	21	0				
5	QPSK	1	12	19.75	19.77	19.69						
5	QPSK	1	49	19.69	19.85	19.81						
5	QPSK	25	0	18.90	18.91	18.85						
5	QPSK	25	0	18.90	18.91	18.85	20	1				
5	QPSK	25	13	18.86	18.85	18.85						
5	QPSK	25	25	18.81	18.88	18.92						
5	QPSK	50	0	18.84	18.84	18.81						
5	16QAM	1	0	18.91	18.76	18.90	20	1				
5	16QAM	1	12	18.85	18.85	18.85						
5	16QAM	1	49	18.79	18.84	18.88						
5	16QAM	25	0	17.80	17.89	17.75						
5	16QAM	25	13	17.75	17.80	17.87	19	2				
5	16QAM	25	25	17.84	17.91	17.75						
5	16QAM	50	0	17.88	17.88	17.84						
5	64QAM	1	0	17.73	17.85	17.85						
5	64QAM	1	25	17.69	18.03	17.78	19	2				
5	64QAM	1	49	17.86	17.65	17.80						
5	64QAM	25	0	16.86	16.96	16.86						
5	64QAM	25	12	16.84	16.89	16.80						
5	64QAM	25	25	16.87	16.82	16.72	18	3				
5	64QAM	50	0	16.77	16.84	17.08						
5	256QAM	1	0	14.81	14.89	14.93						
5	256QAM	1	25	14.78	14.74	14.81						
5	256QAM	1	49	14.79	14.79	14.86	16	5				
5	256QAM	25	0	14.80	14.88	14.91						
5	256QAM	25	12	14.64	14.87	14.91						
5	256QAM	25	25	14.69	14.75	14.68						
5	256QAM	50	0	14.64	14.73	14.73	16	5				
5	256QAM	50	0	14.64	14.73	14.73						
5	256QAM	50	0	14.64	14.73	14.73						
5	256QAM	50	0	14.64	14.73	14.73						
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.86	19.91	19.76	21	0				
5	QPSK	1	12	19.75	19.77	19.69						
5	QPSK	1	24	19.67	19.76	19.78						
5	QPSK	12	0	18.80	18.83	18.81						
5	QPSK	12	7	18.86	18.85	18.85	20	1				
5	QPSK	12	13	18.80	18.87	18.93						
5	QPSK	25	0	18.82	18.83	18.89						
5	16QAM	1	0	18.80	18.78	18.82						
5	16QAM	1	12	18.84	18.84	18.89	20	1				
5	16QAM	1	24	18.79	18.90	18.78						
5	16QAM	12	0	17.82	17.92	17.75						
5	16QAM	12	7	17.82	17.80	17.87						
5	16QAM	12	13	17.84	17.85	17.77	19	2				
5	16QAM	25	0	17.89	17.95	17.86						
5	64QAM	1	0	17.63	17.83	17.70						
5	64QAM	1	12	17.61	17.96	17.78						
5	64QAM	1	24	17.91	17.63	17.83	19	2				
5	64QAM	12	0	16.89	16.96	16.86						
5	64QAM	12	7	16.86	16.86	16.79						
5	64QAM	12	13	16.84	16.82	16.85						
5	256QAM	1	0	14.70	14.70	14.87	16	5				
5	256QAM	1	12	14.77	14.81	14.84						
5	256QAM	1	24	14.88	14.85	14.85						
5	256QAM	12	0	14.82	15.10	15.03						
5	256QAM	12	7	14.89	14.80	14.87	16	5				
5	256QAM	12	13	14.75	14.79	14.79						
5	256QAM	25	0	14.72	14.78	14.78						
5	256QAM	25	0	14.72	14.78	14.78						

Band 41 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co. (Frac)	Power Middle Co. (Frac)	Power High Co. (Frac)	Time-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	19.87	19.86	19.98	21	0	
20	QPSK	1	49	19.75	19.80	19.83			
20	QPSK	1	99	19.76	19.90	19.92			
20	QPSK	50	0	18.87	18.94	18.95			
20	QPSK	50	24	18.84	18.85	18.85	20	1	
20	QPSK	50	50	18.84	18.83	18.81			

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	
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)				1870	1880	1900			
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)				2050	2100	2150			
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)				2050	2055	2050			
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)				820	836.5	844			
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	20	3					
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	18	5					
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							
Channel				133197	133297	133397							
Frequency (MHz)				670.5	680.5	690.5	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	20	3					
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	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	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				668	676	693							
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	20.56	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	20	3					
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	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	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				665.5	675.5	685.5							
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	20	3					
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	18	5					
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	18	5					
5	64QAM	12	13	18.42	18.52	18.42							
5	64												

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 3 Tx side		26.33	26.38	26.35	27.50		22.07	22.12	22.09	23.25	

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 ant (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 ant (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 38 Ant2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.	Time-up limit (dbm)	MPR (db)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	2245	2256	2249	24	0				
20	QPSK	1	49	2247	2248	2237						
20	QPSK	1	99	2243	2245	2235						
20	QPSK	50	0	2145	2151	2147						
20	QPSK	50	24	2141	2148	2135	23	1				
20	QPSK	50	50	2139	2146	2133						
20	QPSK	100	0	2144	2145	2138						
20	16QAM	1	0	2164	2167	2175						
20	16QAM	1	49	2173	2167	2169	23	1				
20	16QAM	1	99	2183	2177	2185						
20	16QAM	50	0	2026	2036	2038						
20	16QAM	50	24	2025	2042	2026						
20	16QAM	50	50	2026	2029	2033	22	2				
20	16QAM	100	0	2030	2040	2037						
20	64QAM	1	0	2052	2050	2056						
20	64QAM	1	49	2041	2052	2046						
20	64QAM	1	99	2041	2055	2056	21	3				
20	64QAM	50	0	1930	1939	1934						
20	64QAM	50	24	1936	1935	1947						
20	64QAM	50	50	1933	1940	1931						
20	256QAM	100	0	1933	1934	1951	19	5				
20	256QAM	1	0	1747	1747	1743						
20	256QAM	1	49	1747	1747	1745						
20	256QAM	1	99	1746	1750	1745						
20	256QAM	50	0	1746	1746	1745	19	5				
20	256QAM	50	24	1753	1752	1746						
20	256QAM	50	50	1750	1754	1747						
20	256QAM	100	0	1747	1751	1743						
Channel												
Frequency (MHz)												
15	QPSK	1	0	2237	2232	2237	24	0				
15	QPSK	1	49	2241	2246	2233						
15	QPSK	1	99	2237	2237	2234						
15	QPSK	36	0	2135	2141	2141						
15	QPSK	36	0	2135	2138	2139	23	1				
15	QPSK	36	39	2131	2149	2132						
15	QPSK	75	0	2138	2143	2139						
15	QPSK	1	0	2162	2173	2162						
15	16QAM	1	37	2183	2182	2172	22	2				
15	16QAM	1	74	2184	2183	2170						
15	16QAM	36	0	2030	2042	2034						
15	16QAM	36	20	2029	2032	2035						
15	16QAM	36	39	2030	2029	2033	22	2				
15	16QAM	75	0	2036	2038	2038						
15	64QAM	1	0	2048	2047	2045						
15	64QAM	1	37	2048	2044	2047						
15	64QAM	1	74	2045	2058	2049	21	3				
15	64QAM	36	20	1943	1945	1941						
15	64QAM	36	39	1936	1938	1938						
15	64QAM	75	0	1936	1932	1940						
15	256QAM	1	0	1746	1748	1745	19	5				
15	256QAM	1	37	1747	1752	1744						
15	256QAM	1	74	1749	1749	1741						
15	256QAM	36	20	1750	1742	1736						
15	256QAM	36	39	1747	1754	1751	19	5				
15	256QAM	75	0	1747	1752	1753						
15	256QAM	100	0	1747	1752	1753						
15	256QAM	1	0	1747	1752	1753						
Channel												
Frequency (MHz)												
5	QPSK	1	0	2237	2232	2243	24	0				
5	QPSK	1	12	2230	2247	2236						
5	QPSK	1	24	2241	2243	2238						
5	QPSK	12	0	2132	2142	2141						
5	QPSK	12	7	2131	2143	2131	23	1				
5	QPSK	12	13	2131	2140	2136						
5	QPSK	25	0	2130	2139	2135						
5	16QAM	1	0	2164	2168	2165						
5	16QAM	1	24	2163	2185	2175	23	1				
5	16QAM	1	49	2174	2178	2170						
5	16QAM	25	0	2032	2036	2030						
5	16QAM	25	0	2035	2035	2035						
5	16QAM	25	25	2036	2027	2035	22	2				
5	16QAM	50	0	2040	2041	2038						
5	64QAM	1	0	2040	2047	2045						
5	64QAM	1	25	2046	2050	2050						
5	64QAM	1	49	2038	2057	2059	21	3				
5	64QAM	25	0	1940	1946	1936						
5	64QAM	25	12	1938	1946	1943						
5	64QAM	25	25	1932	1943	1931						
5	64QAM	50	0	1929	1929	1943	19	5				
5	256QAM	1	0	1750	1750	1744						
5	256QAM	1	25	1740	1748	1741						
5	256QAM	1	49	1752	1744	1736						
5	256QAM	25	0	1742	1747	1744	19	5				
5	256QAM	25	12	1746	1741	1738						
5	256QAM	25	25	1747	1750	1753						
5	256QAM	50	0	1747	1752	1753						
Channel												
Frequency (MHz)												
5	QPSK	1	0	2237	2232	2243	24	0				
5	QPSK	1	12	2230	2247	2236						
5	QPSK	1	24	2241	2243	2238						
5	QPSK	12	0	2132	2142	2141						
5	QPSK	12	7	2131	2143	2131	23	1				
5	QPSK	12	13	2131	2140	2136						
5	QPSK	25	0	2130	2139	2135						
5	16QAM	1	0	2164	2168	2165						
5	16QAM	1	12	2180	2191	2169	23	1				
5	16QAM	1	24	2181	2181	2171						
5	16QAM	12	0	2025	2043	2041						
5	16QAM	12	7	2026	2032	2026						
5	16QAM	12	13	2030	2035	2027	22	2				
5	16QAM	25	0	2035	2037	2035						
5	64QAM	1	0	2047	2047	2045						
5	64QAM	1	12	2041	2042	2047						
5	64QAM	1	24	2039	2055	2046	22	2				
5	64QAM	12	0	1944	1948	1939						
5	64QAM	12	7	1941	1954	1940						
5	64QAM	12	13	1934	1938	1929						
5	64QAM	25	0	1936	1937	1930	21	3				
5	256QAM	1	0	1746	1753	1753						
5	256QAM	1	12	1747	1751	1751						
5	256QAM	1	24	1748	1753	1741						
5	256QAM	12	0	1747	1753	1739	19	5				
5	256QAM	12	7	1750	1742	1739						
5	256QAM	12	13	1745	1751	1752						
5	256QAM	25	0	1750	1756	1743						

Band 41 Ant2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co./Freq.	Power Low Middle Co./Freq.	Power High Middle Co./Freq.	Power High Co./Freq.	Time-up limit (dbm)	MPR (db)
Channel									
Frequency (MHz)									
20	QPSK	1	0	2234	2243	2251	2256	24	0
20	QPSK	1	49	2242	2242	2239	2245		
20	QPSK	1	99	2235	2249	2248	2247		
20	QPSK	50	0	2151	2147	2159	2145		
20	QPSK	50	24	2140	2139	2133	2134	23	1
20	QPSK	50	50	2132	2138	2143	2144		
20	QPSK	100	0	2135	2138	2141	2147		
20	16QAM	1	0	2166	2177	2181	2181		
20	16QAM	1	49	2176	2152	2175	2179	23	1
20	16QAM	1	99	2182	2179	2			

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 Limit	Frame-Average Power (dbm)			Tune-up Limit
TX Channel		128	189	251		128	189	251	
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 Limit
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	(dbm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	DMC 12.2Kbps	22.31	22.35	22.79	24.00

Band 5 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit	MPR
				Low	Middle	High		
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.		
	Channel			20450	20525	20600	(dBm)	
	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

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				1850.2	1880	1909.8	(dBm)		
GPRS 4 Tx slots				17.98	17.99	17.93	19.30	14.96				14.99	14.93	14.93	16.30		

Band				WCDMA 8 Ant1				Tune-up				WCDMA 1 Ant1				Tune-up	
TX Channel				5562	8400	9538	Limit	5562				4112	4182	4233	Limit	Limit	
Rx Channel				9662	9800	9638	(dBm)	9662				4353	4407	4458	(dBm)		
Frequency (MHz)				1852.4	1880	1907.8		1852.4				826.4	836.4	846.6			
3GPP Rel 99				RMC 12.2Kbps	15.34	15.38	15.37	16.60				20.03	20.05	20.03	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)								
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									
Frequency (MHz)									
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								
Frequency (MHz)								
10	QPSK	1	0	19.89	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)								
15	QPSK	1	0	19.98	20.02	19.94	21.1	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	Tune-up limit (dBm)	MPR (dB)		
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	16.65	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		MPR (dB)	
Frequency (MHz)				133107	133207	133307	Tune-up limit (dBm)			
				670.5	680.5	690.5				
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	16.60	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		MPR (dB)	
Frequency (MHz)				133172	133272	133422	Tune-up limit (dBm)			
				668	676	693				
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	22	1		
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	Channel		MPR (dB)	
Frequency (MHz)				133147	133247	133447	Tune-up limit (dBm)			
				665.5	675.5	695.5				
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		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	9800	9938	(dBm)	
Frequency (MHz)		1852.4	1860	1907.6		
SCPP Ref 99	RMC 12.2Mbps	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

Full & Default Power Mode_Other PA

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				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.73	21.82	21.79	23	0	
20	QPSK	1	49	21.60	21.65	21.62			
20	QPSK	1	99	21.60	21.66	21.65			
20	QPSK	50	0	20.75	20.81	20.78	22	1	
20	QPSK	50	24	20.77	20.70	20.73			
20	QPSK	50	50	20.76	20.74	20.79			
20	QPSK	100	0	20.74	20.79	20.72	22	1	
20	16QAM	1	0	20.74	20.65	20.74			
20	16QAM	1	49	20.71	20.70	20.76			
20	16QAM	1	99	20.67	20.72	20.71	21	2	
20	16QAM	50	0	19.77	19.79	19.71			
20	16QAM	50	24	19.75	19.74	19.80			
20	16QAM	50	50	19.77	19.74	19.74	21	2	
20	16QAM	100	0	19.82	19.81	19.77			
20	64QAM	1	0	19.52	19.89	19.62			
20	64QAM	1	49	19.52	19.91	19.76	21	2	
20	64QAM	1	99	19.70	19.55	19.75			
20	64QAM	50	0	18.53	18.80	18.74			
20	64QAM	50	24	18.53	18.79	18.84	20	3	
20	64QAM	50	50	18.70	18.65	18.54			
20	64QAM	100	0	18.66	18.94	18.96			
20	256QAM	1	0	16.49	16.75	16.80	18	5	
20	256QAM	1	49	16.89	16.88	16.71			
20	256QAM	1	99	16.89	16.80	16.84			
20	256QAM	50	0	16.89	16.93	16.89	18	5	
20	256QAM	50	24	16.50	16.72	16.73			
20	256QAM	50	50	16.63	16.73	16.53			
20	256QAM	100	0	16.57	16.67	16.59			
Channel				20900	21100	21300			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	21.69	21.77	21.58	23	0	
15	QPSK	1	37	21.49	21.64	21.51			
15	QPSK	1	74	21.48	21.68	21.60			
15	QPSK	36	0	20.70	20.72	20.65	22	1	
15	QPSK	36	20	20.68	20.64	20.70			
15	QPSK	36	39	20.69	20.66	20.71			
15	QPSK	75	0	20.69	20.76	20.66	22	1	
15	16QAM	1	0	20.71	20.63	20.64			
15	16QAM	1	37	20.65	20.70	20.68			
15	16QAM	1	74	20.61	20.64	20.64	21	2	
15	16QAM	36	0	19.72	19.75	19.57			
15	16QAM	36	20	19.66	19.72	19.72			
15	16QAM	36	39	19.64	19.66	19.60	21	2	
15	16QAM	75	0	19.71	19.76	19.70			
15	64QAM	1	0	19.55	19.82	19.57			
15	64QAM	1	37	19.51	19.80	19.67	21	2	
15	64QAM	1	74	19.74	19.57	19.62			
15	64QAM	36	0	18.44	18.73	18.69			
15	64QAM	36	20	18.56	18.77	18.62	20	3	
15	64QAM	36	39	18.70	18.70	18.58			
15	64QAM	75	0	18.65	18.87	18.96			
15	256QAM	1	0	16.51	16.76	16.75	18	5	
15	256QAM	1	37	16.65	16.61	16.63			
15	256QAM	1	74	16.65	16.66	16.71			
15	256QAM	36	0	16.75	16.86	16.77	18	5	
15	256QAM	36	20	16.42	16.64	16.72			
15	256QAM	36	39	16.54	16.61	16.49			
15	256QAM	75	0	16.53	16.60	16.49			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	21.68	21.75	21.56	23	0	
10	QPSK	1	25	21.52	21.54	21.57			
10	QPSK	1	49	21.46	21.64	21.60			
10	QPSK	25	0	20.73	20.71	20.69	22	1	
10	QPSK	25	12	20.65	20.63	20.60			
10	QPSK	25	25	20.63	20.61	20.71			
10	QPSK	50	0	20.67	20.66	20.74	22	1	
10	16QAM	1	0	20.75	20.67	20.69			
10	16QAM	1	25	20.67	20.65	20.73			
10	16QAM	1	49	20.62	20.65	20.66	21	2	
10	16QAM	25	0	19.64	19.81	19.66			
10	16QAM	25	12	19.60	19.77	19.77			
10	16QAM	25	25	19.67	19.68	19.63	21	2	
10	16QAM	50	0	19.77	19.77	19.76			
10	64QAM	1	0	19.55	19.81	19.52			
10	64QAM	1	25	19.55	19.76	19.69	20	3	
10	64QAM	1	49	19.73	19.48	19.68			
10	64QAM	25	0	18.47	18.76	18.79			
10	64QAM	25	12	18.47	18.80	18.64	18	5	
10	64QAM	25	25	18.66	18.63	18.51			
10	64QAM	50	0	18.58	18.83	18.80			
10	256QAM	1	0	16.54	16.70	16.71	18	5	
10	256QAM	1	25	16.63	16.58	16.66			
10	256QAM	1	49	16.72	16.62	16.69			
10	256QAM	25	0	16.79	16.83	16.74	18	5	
10	256QAM	25	12	16.45	16.61	16.72			
10	256QAM	25	25	16.54	16.64	16.56			
10	256QAM	50	0	16.54	16.60	16.49			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	21.66	21.77	21.62	23	0	
5	QPSK	1	12	21.54	21.65	21.54			
5	QPSK	1	24	21.51	21.67	21.63			
5	QPSK	12	0	20.70	20.70	20.75	22	1	
5	QPSK	12	7	20.67	20.65	20.60			
5	QPSK	12	13	20.72	20.64	20.66			
5	QPSK	25	0	20.72	20.66	20.73	22	1	
5	16QAM	1	0	20.70	20.65	20.68			
5	16QAM	1	12	20.62	20.63	20.73			
5	16QAM	1	24	20.69	20.69	20.62	21	2	
5	16QAM	12	0	19.62	19.79	19.55			
5	16QAM	12	7	19.60	19.72	19.73			
5	16QAM	12	13	19.75	19.73	19.69	21	2	
5	16QAM	25	0	19.76	19.76	19.68			
5	64QAM	1	0	19.58	19.74	19.55			
5	64QAM	1	12	19.47	19.86	19.62	21	2	
5	64QAM	1	24	19.67	19.50	19.61			
5	64QAM	12	0	18.42	18.83	18.76			
5	64QAM	12	7	18.49	18.79	18.54	20	3	
5	64QAM	12	13	18.72	18.61	18.57			
5	64QAM	25	0	18.61	18.87	18.88			
5	256QAM	1	0	16.47	16.75	16.67	18	5	
5	256QAM	1	12	16.61	16.57	16.72			
5	256QAM	1	24	16.63	16.55	16.80			
5	256QAM	12	0	16.81	16.86	16.82	18	5	
5	256QAM	12	7	16.49	16.63	16.68			
5	256QAM	12	13	16.48	16.66	16.53			
5	256QAM	25	0	16.56	16.61	16.47			

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	24	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.25	23.32	23.27		

Band 38 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.21	23.28	23.25	24	0	
20	QPSK	1	49	23.04	23.22	23.08			
20	QPSK	1	99	23.16	23.18	23.11			
20	QPSK	50	0	22.15	22.23	22.12	23	1	
20	QPSK	50	24	21.96	22.14	21.98			
20	QPSK	50	50	21.98	22.02	22.10			
20	QPSK	100	0	22.09	22.13	22.06	23	1	
20	16QAM	1	0	22.35	22.44	22.48			
20	16QAM	1	49	22.51	22.56	22.39			
20	16QAM	1	99	22.45	22.58	22.37	23	1	
20	16QAM	50	0	20.96	21.14	21.04			
20	16QAM	50	24	20.94	21.12	21.09			
20	16QAM	50	50	21.05	21.10	21.09	22	2	
20	16QAM	100	0	21.01	21.09	21.03			
20	64QAM	1	0	21.26	21.24	21.24			
20	64QAM	1	49	21.27	21.26	21.21	22	2	
20	64QAM	1	99	21.17	21.33	21.38			
20	64QAM	50	0	20.19	20.10	20.03			
20	64QAM	50	24	20.04	20.12	20.08	21	3	
20	64QAM	50	50	19.94	20.09	20.10			
20	64QAM	100	0	19.85	19.97	19.93			
20	256QAM	1	0	18.11	18.19	18.21	19	5	
20	256QAM	1	49	18.09	18.13	18.23			
20	256QAM	50	0	17.99	17.89	18.02			
20	256QAM	50	24	17.81	18.11	17.87	19	5	
20	256QAM	50	50	17.91	18.02	17.96			
20	256QAM	100	0	17.84	18.16	17.80			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.21	23.27	23.14	24	0	
15	QPSK	1	37	23.05	23.25	23.06			
15	QPSK	1	74	23.15	23.17	23.04			
15	QPSK	36	0	22.25	22.20	22.13	23	1	
15	QPSK	36	20	21.98	22.08	21.98			
15	QPSK	36	39	22.00	22.08	22.05			
15	QPSK	75	0	22.16	22.17	22.10	23	1	
15	16QAM	1	0	22.36	22.44	22.51			
15	16QAM	1	37	22.42	22.49	22.40			
15	16QAM	1	74	22.46	22.48	22.32	23	1	
15	16QAM	36	0	21.07	21.07	20.98			
15	16QAM	36	20	20.94	21.13	20.97			
15	16QAM	36	39	21.00	21.05	21.06	22	2	
15	16QAM	75	0	21.01	21.14	20.98			
15	64QAM	1	0	21.21	21.26	21.27			
15	64QAM	1	37	21.30	21.25	21.15	22	2	
15	64QAM	1	74	21.16	21.32	21.34			
15	64QAM	36	0	20.16	20.12	20.00			
15	64QAM	36	20	20.03	20.10	20.14	21	3	
15	64QAM	36	39	20.02	20.08	20.03			
15	64QAM	75	0	19.90	19.95	20.00			
15	256QAM	1	0	18.08	18.18	18.18	19	5	
15	256QAM	1	37	17.99	18.15	18.31			
15	256QAM	1	74	18.12	18.22	18.18			
15	256QAM	36	0	17.98	17.96	18.02	19	5	
15	256QAM	36	20	17.83	18.04	17.93			
15	256QAM	36	39	17.88	18.00	17.95			
15	256QAM	75	0	17.90	18.07	17.81			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.11	23.26	23.15	24	0	
10	QPSK	1	25	23.00	23.22	23.12			
10	QPSK	1	49	23.17	23.20	23.05			
10	QPSK	25	0	22.19	22.20	22.13	23	1	
10	QPSK	25	12	22.04	22.14	21.99			
10	QPSK	25	25	22.01	22.05	22.09			
10	QPSK	50	0	22.18	22.13	22.03	23	1	
10	16QAM	1	0	22.41	22.46	22.52			
10	16QAM	1	25	22.43	22.48	22.38			
10	16QAM	1	49	22.44	22.55	22.29	22	2	
10	16QAM	25	0	21.06	21.14	20.97			
10	16QAM	25	12	20.91	21.11	21.02			
10	16QAM	25	25	21.06	21.07	21.14	22	2	
10	16QAM	50	0	21.02	21.16	20.97			
10	64QAM	1	0	21.21	21.35	21.23			
10	64QAM	1	25	21.21	21.25	21.12	22	2	
10	64QAM	1	49	21.11	21.34	21.35			
10	64QAM	25	0	20.19	20.14	20.04			
10	64QAM	25	12	20.05	20.16	20.08	21	3	
10	64QAM	25	25	19.95	20.12	20.10			
10	64QAM	50	0	19.84	19.92	19.99			
10	256QAM	1	0	18.10	18.19	18.19	19	5	
10	256QAM	1	25	18.05	18.19	18.24			
10	256QAM	1	49	18.09	18.14	18.14			
10	256QAM	25	0	17.91	17.96	18.00	19	5	
10	256QAM	25	12	17.84	18.11	17.93			
10	256QAM	25	25	17.89	18.00	17.98			
10	256QAM	50	0	17.88	18.13	17.91			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.17	23.23	23.19	24	0	
5	QPSK	1	12	23.11	23.23	23.12			
5	QPSK	1	24	23.07	23.22	23.11			
5	QPSK	12	0	22.18	22.25	22.10	23	1	
5	QPSK	12	7	22.04	22.12	22.07			
5	QPSK	12	13	22.01	22.00	22.08			
5	QPSK	25	0	22.13	22.14	22.14	23	1	
5	16QAM	1	0	22.30	22.43	22.51			
5	16QAM	1	12	22.45	22.51	22.44			
5	16QAM	1	24	22.42	22.57	22.39	23	1	
5	16QAM	12	0	21.07	21.08	21.01			
5	16QAM	12	7	20.95	21.12	21.00			
5	16QAM	12	13	21.04	21.09	21.09	22	2	
5	16QAM	25	0	20.94	21.11	21.01			
5	64QAM	1	0	21.28	21.29	21.18			
5	64QAM	1	12	21.24	21.24	21.22	22	2	
5	64QAM	1	24	21.13	21.35	21.38			
5	64QAM	12	0	20.14	20.03	19.97			
5	64QAM	12	7	20.08	20.09	20.09	21	3	
5	64QAM	12	13	19.99	20.14	20.09			
5	64QAM	25	0	19.94	19.96	19.91			
5	256QAM	1	0	18.04	18.16	18.18	19	5	
5	256QAM	1	12	18.00	18.16	18.23			
5	256QAM	1	24	18.18	18.15	18.20			
5	256QAM	12	0	17.97	17.90	17.97	19	5	
5	256QAM	12	7	17.79	18.00	17.91			
5	256QAM	12	13	17.84	18.03	17.96			
5	256QAM	25	0	17.86	18.15	17.90			

Reduced Power Mode for EC12_Other PA

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				20850	21100	21350	23	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.73	21.82	21.79			
20	QPSK	1	49	21.80	21.85	21.82			
20	QPSK	1	99	21.80	21.86	21.85	22	1	
20	QPSK	50	0	20.75	20.81	20.78			
20	QPSK	50	24	20.77	20.70	20.73			
20	QPSK	50	50	20.76	20.74	20.79			
20	QPSK	100	0	20.74	20.79	20.72	22	1	
20	16QAM	1	0	20.74	20.85	20.74			
20	16QAM	1	49	20.71	20.70	20.76			
20	16QAM	1	99	20.67	20.72	20.71			
20	16QAM	50	0	19.77	19.79	19.71	21	2	
20	16QAM	50	24	19.75	19.74	19.80			
20	16QAM	50	50	19.77	19.74	19.74			
20	16QAM	100	0	19.82	19.81	19.77			
20	64QAM	1	0	19.52	19.89	19.62	21	2	
20	64QAM	1	49	19.52	19.91	19.76			
20	64QAM	1	99	19.70	19.55	19.75			
20	64QAM	50	0	18.53	18.80	18.74			
20	64QAM	50	24	18.53	18.79	18.64	20	3	
20	64QAM	50	50	18.70	18.85	18.54			
20	64QAM	100	0	18.66	18.94	18.96			
20	256QAM	1	0	16.49	16.75	16.80			
20	256QAM	1	49	16.69	16.68	16.71	18	5	
20	256QAM	1	99	16.69	16.60	16.84			
20	256QAM	50	0	16.89	16.93	16.89			
20	256QAM	50	24	16.50	16.72	16.73			
20	256QAM	50	50	16.63	16.73	16.53	20	3	
20	256QAM	100	0	16.57	16.67	16.59			
Channel				20825	21100	21375	23	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	21.69	21.77	21.58			
15	QPSK	1	37	21.49	21.64	21.51			
15	QPSK	1	74	21.48	21.68	21.60	22	1	
15	QPSK	36	0	20.70	20.72	20.65			
15	QPSK	36	20	20.88	20.64	20.70			
15	QPSK	36	39	20.69	20.66	20.71			
15	QPSK	75	0	20.69	20.76	20.66	22	1	
15	16QAM	1	0	20.71	20.63	20.64			
15	16QAM	1	37	20.65	20.70	20.68			
15	16QAM	1	74	20.61	20.84	20.84			
15	16QAM	36	0	19.72	19.75	19.57	21	2	
15	16QAM	36	20	19.66	19.72	19.72			
15	16QAM	36	39	19.84	19.66	19.60			
15	16QAM	75	0	19.71	19.76	19.70			
15	64QAM	1	0	19.55	19.82	19.57	21	2	
15	64QAM	1	37	19.51	19.80	19.67			
15	64QAM	1	74	19.74	19.57	19.62			
15	64QAM	36	0	18.44	18.73	18.69			
15	64QAM	36	20	18.56	18.77	18.62	20	3	
15	64QAM	36	39	18.70	18.70	18.58			
15	64QAM	75	0	18.65	18.87	18.96			
15	256QAM	1	0	16.51	16.76	16.75			
15	256QAM	1	37	16.65	16.61	16.63	18	5	
15	256QAM	1	74	16.65	16.56	16.71			
15	256QAM	36	0	16.75	16.86	16.77			
15	256QAM	36	20	16.42	16.64	16.72			
15	256QAM	36	39	16.54	16.61	16.49	20	3	
15	256QAM	75	0	16.53	16.60	16.49			
Channel				20800	21100	21400	23	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	21.88	21.75	21.56			
10	QPSK	1	25	21.52	21.54	21.57			
10	QPSK	1	49	21.48	21.64	21.60	22	1	
10	QPSK	25	0	20.73	20.71	20.69			
10	QPSK	25	12	20.65	20.63	20.60			
10	QPSK	25	25	20.63	20.81	20.71			
10	QPSK	50	0	20.67	20.66	20.74	22	1	
10	16QAM	1	0	20.75	20.67	20.69			
10	16QAM	1	25	20.67	20.65	20.73			
10	16QAM	1	49	20.62	20.65	20.66			
10	16QAM	25	0	19.64	19.81	19.66	21	2	
10	16QAM	25	12	19.60	19.77	19.77			
10	16QAM	25	25	19.67	19.66	19.63			
10	16QAM	50	0	19.77	19.77	19.76			
10	64QAM	1	0	19.55	19.81	19.52	21	2	
10	64QAM	1	25	19.55	19.76	19.69			
10	64QAM	1	49	19.73	19.48	19.68			
10	64QAM	25	0	18.47	18.76	18.79			
10	64QAM	25	12	18.47	18.80	18.64	20	3	
10	64QAM	25	25	18.66	18.63	18.51			
10	64QAM	50	0	18.58	18.83	18.90			
10	256QAM	1	0	16.54	16.70	16.71			
10	256QAM	1	25	16.63	16.58	16.66	18	5	
10	256QAM	1	49	16.72	16.62	16.69			
10	256QAM	25	0	16.79	16.83	16.74			
10	256QAM	25	12	16.45	16.61	16.72			
10	256QAM	25	25	16.54	16.64	16.58	20	3	
10	256QAM	50	0	16.54	16.60	16.49			
Channel				20775	21100	21425	23	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	21.66	21.77	21.62			
5	QPSK	1	12	21.54	21.65	21.54			
5	QPSK	1	24	21.51	21.67	21.63	22	1	
5	QPSK	12	0	20.70	20.70	20.75			
5	QPSK	12	7	20.67	20.65	20.60			
5	QPSK	12	13	20.72	20.64	20.66			
5	QPSK	25	0	20.72	20.66	20.73	22	1	
5	16QAM	1	0	20.70	20.65	20.68			
5	16QAM	1	12	20.62	20.63	20.73			
5	16QAM	1	24	20.69	20.69	20.62			
5	16QAM	12	0	19.62	19.79	19.55	21	2	
5	16QAM	12	7	19.60	19.72	19.73			
5	16QAM	12	13	19.75	19.73	19.69			
5	16QAM	25	0	19.76	19.76	19.68			
5	64QAM	1	0	19.58	19.74	19.55	21	2	
5	64QAM	1	12	19.47	19.86	19.62			
5	64QAM	1	24	19.67	19.50	19.61			
5	64QAM	12	0	18.42	18.83	18.76			
5	64QAM	12	7	18.49	18.79	18.54	20	3	
5	64QAM	12	13	18.72	18.61	18.57			
5	64QAM	25	0	18.61	18.67	18.88			
5	256QAM	1	0	16.47	16.75	16.67			
5	256QAM	1	12	16.81	16.57	16.72	18	5	
5	256QAM	1	24	16.63	16.55	16.80			
5	256QAM	12	0	16.81	16.86	16.82			
5	256QAM	12	7	16.49	16.63	16.68			
5	256QAM	12	13	16.48	16.86	16.53	18	5	
5	256QAM	25	0	16.56	16.61	16.47			

Band 38 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				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	21.67	21.78	21.66	23	0	
20	QPSK	1	49	21.54	21.58	21.49			
20	QPSK	1	99	21.52	21.65	21.60			
20	QPSK	50	0	20.85	20.76	20.71	22	1	
20	QPSK	50	24	20.68	20.61	20.66			
20	QPSK	50	50	20.67	20.69	20.72			
20	QPSK	100	0	20.73	20.75	20.74	22	1	
20	16QAM	1	0	20.71	20.59	20.70			
20	16QAM	1	49	20.66	20.70	20.69			
20	16QAM	1	99	20.68	20.62	20.68	21	2	
20	16QAM	50	0	19.84	19.83	19.57			
20	16QAM	50	24	19.62	19.72	19.73			
20	16QAM	50	50	19.71	19.77	19.59	21	2	
20	16QAM	100	0	19.75	19.71	19.71			
20	64QAM	1	0	19.54	19.72	19.50	21	2	
20	64QAM	1	49	19.49	19.85	19.60			
20	64QAM	1	99	19.70	19.50	19.50	20	3	
20	64QAM	50	0	18.42	18.78	18.68			
20	64QAM	50	24	18.50	18.78	18.65			
20	64QAM	50	50	18.69	18.59	18.47	20	3	
20	64QAM	100	0	18.58	18.77	18.89			
20	256QAM	1	0	16.46	16.74	16.74	18	5	
20	256QAM	1	49	16.56	16.56	16.66			
20	256QAM	1	99	16.62	16.62	16.78			
20	256QAM	50	0	16.73	16.82	16.76	18	5	
20	256QAM	50	24	16.39	16.68	16.68			
20	256QAM	50	50	16.47	16.57	16.54			
20	256QAM	100	0	16.55	16.69	16.52	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	21.66	21.68	21.63	23	0	
15	QPSK	1	37	21.55	21.62	21.50			
15	QPSK	1	74	21.47	21.68	21.55			
15	QPSK	36	0	20.62	20.72	20.68	22	1	
15	QPSK	36	20	20.63	20.65	20.62			
15	QPSK	36	39	20.65	20.66	20.77			
15	QPSK	75	0	20.73	20.75	20.72	22	1	
15	16QAM	1	0	20.70	20.62	20.72			
15	16QAM	1	37	20.64	20.65	20.68			
15	16QAM	1	74	20.61	20.73	20.70	22	1	
15	16QAM	36	0	19.69	19.81	19.56			
15	16QAM	36	20	19.64	19.76	19.68			
15	16QAM	36	39	19.73	19.68	19.61	21	2	
15	16QAM	75	0	19.76	19.76	19.70			
15	64QAM	1	0	19.57	19.81	19.56			
15	64QAM	1	37	19.44	19.79	19.61	21	2	
15	64QAM	1	74	19.65	19.54	19.65			
15	64QAM	36	0	18.49	18.79	18.77			
15	64QAM	36	20	18.55	18.78	18.56	20	3	
15	64QAM	36	39	18.70	18.59	18.59			
15	64QAM	75	0	18.61	18.88	18.67			
15	256QAM	1	0	16.54	16.77	16.70	18	5	
15	256QAM	1	37	16.55	16.62	16.69			
15	256QAM	1	74	16.68	16.63	16.77			
15	256QAM	36	0	16.77	16.87	16.77	18	5	
15	256QAM	36	20	16.41	16.62	16.75			
15	256QAM	36	39	16.52	16.66	16.49			
15	256QAM	75	0	16.57	16.63	16.55	Tune-up limit (dBm)	MPR (dB)	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.72	21.67	21.60	23	0	
10	QPSK	1	25	21.60	21.57	21.55			
10	QPSK	1	49	21.57	21.64	21.58			
10	QPSK	25	0	20.64	20.74	20.71	22	1	
10	QPSK	25	12	20.66	20.65	20.65			
10	QPSK	25	25	20.69	20.64	20.71			
10	QPSK	50	0	20.73	20.67	20.75	22	1	
10	16QAM	1	0	20.73	20.70	20.66			
10	16QAM	1	25	20.68	20.72	20.73			
10	16QAM	1	49	20.62	20.67	20.67	21	2	
10	16QAM	25	0	19.68	19.83	19.67			
10	16QAM	25	12	19.65	19.71	19.80			
10	16QAM	25	25	19.75	19.68	19.58	21	2	
10	16QAM	50	0	19.75	19.75	19.73			
10	64QAM	1	0	19.51	19.76	19.55			
10	64QAM	1	25	19.45	19.78	19.63	21	2	
10	64QAM	1	49	19.66	19.52	19.63			
10	64QAM	25	0	18.42	18.76	18.68			
10	64QAM	25	12	18.50	18.79	18.59	20	3	
10	64QAM	25	25	18.63	18.61	18.57			
10	64QAM	50	0	18.85	18.86	18.87			
10	256QAM	1	0	16.52	16.75	16.74	18	5	
10	256QAM	1	25	16.55	16.56	16.67			
10	256QAM	1	49	16.61	16.63	16.75			
10	256QAM	25	0	16.72	16.85	16.84	18	5	
10	256QAM	25	12	16.39	16.60	16.67			
10	256QAM	25	25	16.51	16.59	16.59			
10	256QAM	50	0	16.56	16.66	16.51	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	21.70	21.68	21.65	23	0	
5	QPSK	1	12	21.52	21.66	21.50			
5	QPSK	1	24	21.58	21.63	21.62			
5	QPSK	12	0	20.72	20.69	20.71	22	1	
5	QPSK	12	7	20.64	20.61	20.60			
5	QPSK	12	13	20.69	20.70	20.75			
5	QPSK	25	0	20.65	20.69	20.66	22	1	
5	16QAM	1	0	20.65	20.64	20.63			
5	16QAM	1	12	20.62	20.66	20.79			
5	16QAM	1	24	20.67	20.70	20.68	21	2	
5	16QAM	12	0	19.62	19.80	19.65			
5	16QAM	12	7	19.58	19.73	19.70			
5	16QAM	12	13	19.64	19.74	19.60	21	2	
5	16QAM	25	0	19.73	19.82	19.70			
5	64QAM	1	0	19.57	19.74	19.54			
5	64QAM	1	12	19.44	19.84	19.62	21	2	
5	64QAM	1	24	19.69	19.49	19.69			
5	64QAM	12	0	18.44	18.78	18.70			
5	64QAM	12	7	18.50	18.77	18.53	20	3	
5	64QAM	12	13	18.63	18.68	18.51			
5	64QAM	25	0	18.60	18.78	18.96			
5	256QAM	1	0	16.54	16.71	16.68	18	5	
5	256QAM	1	12	16.54	16.53	16.70			
5	256QAM	1	24	16.68	16.59	16.70			
5	256QAM	12	0	16.73	16.87	16.82	18	5	
5	256QAM	12	7	16.43	16.69	16.74			
5	256QAM	12	13	16.47	16.66	16.68			
5	256QAM	25	0	16.58	16.63	16.57			

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 38 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.27	20.34	20.31	21.7	0	
20	QPSK	1	49	20.20	20.33	20.26			
20	QPSK	1	99	20.30	20.24	20.25			
20	QPSK	50	0	20.26	20.33	20.28	21.7	0	
20	QPSK	50	24	20.27	20.29	20.19			
20	QPSK	50	50	20.22	20.31	20.22			
20	QPSK	100	0	20.21	20.28	20.26	21.7	0	
20	16QAM	1	0	20.31	20.27	20.28			
20	16QAM	1	49	20.31	20.29	20.24			
20	16QAM	1	99	20.19	20.28	20.29	21.7	0	
20	16QAM	50	0	20.30	20.25	20.20			
20	16QAM	50	24	20.26	20.29	20.28			
20	16QAM	50	50	20.19	20.22	20.28	21.7	0	
20	16QAM	100	0	20.22	20.28	20.23			
20	64QAM	1	0	20.29	20.29	20.23			
20	64QAM	1	49	20.22	20.23	20.29	21.7	0	
20	64QAM	1	99	20.25	20.24	20.30			
20	64QAM	50	0	20.19	20.10	20.03			
20	64QAM	50	24	20.04	20.12	20.08	21	0.7	
20	64QAM	50	50	19.94	20.09	20.10			
20	64QAM	100	0	19.85	19.97	19.93			
20	256QAM	1	0	18.11	18.19	18.21	19	2.7	
20	256QAM	1	49	18.09	18.13	18.23			
20	256QAM	1	99	18.10	18.21	18.17			
20	256QAM	50	0	17.99	17.89	18.02	19	2.7	
20	256QAM	50	24	17.81	18.11	17.87			
20	256QAM	50	50	17.91	18.02	17.96			
20	256QAM	100	0	17.84	18.16	17.80			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	20.21	20.14	20.19			
15	QPSK	1	37	20.18	20.21	20.20	21.7	0	
15	QPSK	1	74	20.16	20.23	20.13			
15	QPSK	36	0	20.20	20.18	20.15			
15	QPSK	36	20	20.12	20.16	20.14	21.7	0	
15	QPSK	36	39	20.12	20.17	20.21			
15	QPSK	75	0	20.16	20.15	20.17			
15	16QAM	1	0	20.23	20.20	20.18	21.7	0	
15	16QAM	1	37	20.12	20.22	20.20			
15	16QAM	1	74	20.13	20.17	20.16			
15	16QAM	36	0	20.12	20.16	20.19	21.7	0	
15	16QAM	36	20	20.12	20.23	20.21			
15	16QAM	36	39	20.19	20.23	20.21			
15	16QAM	75	0	20.19	20.18	20.19	21.7	0	
15	64QAM	1	0	20.17	20.26	20.22			
15	64QAM	1	37	20.22	20.15	20.12			
15	64QAM	1	74	20.17	20.16	20.22	21	0.7	
15	64QAM	36	0	20.16	20.12	20.00			
15	64QAM	36	20	20.03	20.10	20.14			
15	64QAM	36	39	20.02	20.08	20.03	19	2.7	
15	64QAM	75	0	19.90	19.95	20.00			
15	256QAM	1	0	18.08	18.18	18.18			
15	256QAM	1	37	17.99	18.15	18.31	19	2.7	
15	256QAM	1	74	18.12	18.22	18.18			
15	256QAM	36	0	17.98	17.96	18.02			
15	256QAM	36	20	17.83	18.04	17.93	19	2.7	
15	256QAM	36	39	17.88	18.00	17.85			
15	256QAM	75	0	17.90	18.07	17.81			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.22	20.20	20.15	21.7	0	
10	QPSK	1	25	20.18	20.16	20.16			
10	QPSK	1	49	20.15	20.16	20.19			
10	QPSK	25	0	20.15	20.24	20.15	21.7	0	
10	QPSK	25	12	20.12	20.17	20.20			
10	QPSK	25	25	20.18	20.16	20.22			
10	QPSK	50	0	20.16	20.24	20.15	21.7	0	
10	16QAM	1	0	20.15	20.20	20.22			
10	16QAM	1	25	20.18	20.16	20.21			
10	16QAM	1	49	20.11	20.25	20.20	21.7	0	
10	16QAM	25	0	20.16	20.22	20.15			
10	16QAM	25	12	20.18	20.17	20.11			
10	16QAM	25	25	20.23	20.14	20.16	21.7	0	
10	16QAM	50	0	20.16	20.24	20.16			
10	64QAM	1	0	20.20	20.26	20.22			
10	64QAM	1	25	20.13	20.19	20.22	21.7	0	
10	64QAM	1	49	20.15	20.25	20.13			
10	64QAM	25	0	20.19	20.14	20.04			
10	64QAM	25	12	20.05	20.16	20.08	21	0.7	
10	64QAM	25	25	19.95	20.12	20.10			
10	64QAM	50	0	19.84	19.92	19.99			
10	256QAM	1	0	18.10	18.19	18.19	19	2.7	
10	256QAM	1	25	18.05	18.19	18.24			
10	256QAM	1	49	18.09	18.14	18.14			
10	256QAM	25	0	17.91	17.96	18.00	19	2.7	
10	256QAM	25	12	17.84	18.11	17.93			
10	256QAM	25	25	17.89	18.00	17.98			
10	256QAM	50	0	17.88	18.13	17.91			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.13	20.15	20.18			
5	QPSK	1	12	20.15	20.19	20.18	21.7	0	
5	QPSK	1	24	20.13	20.20	20.15			
5	QPSK	12	0	20.16	20.23	20.21			
5	QPSK	12	7	20.20	20.24	20.21	21.7	0	
5	QPSK	12	13	20.13	20.21	20.14			
5	QPSK	25	0	20.12	20.22	20.20			
5	16QAM	1	0	20.22	20.20	20.16	21.7	0	
5	16QAM	1	12	20.14	20.20	20.22			
5	16QAM	1	24	20.15	20.19	20.16			
5	16QAM	12	0	20.16	20.24	20.13	21.7	0	
5	16QAM	12	7	20.12	20.25	20.18			
5	16QAM	12	13	20.14	20.24	20.12			
5	16QAM	25	0	20.13	20.21	20.16	21.7	0	
5	64QAM	1	0	20.20	20.15	20.15			
5	64QAM	1	12	20.20	20.24	20.20			
5	64QAM	1	24	20.18	20.25	20.16	21	0.7	
5	64QAM	12	0	20.14	20.03	19.97			
5	64QAM	12	7	20.08	20.09	20.09			
5	64QAM	12	13	19.99	20.14	20.09	19	2.7	
5	64QAM	25	0	19.94	19.96	19.91			
5	256QAM	1	0	18.04	18.16	18.18			
5	256QAM	1	12	18.00	18.16	18.23	19	2.7	
5	256QAM	1	24	18.18	18.15	18.20			
5	256QAM	12	0	17.97	17.90	17.97			
5	256QAM	12	7	17.79	18.00	17.91	19	2.7	
5	256QAM	12	13	17.84	18.03	17.96			
5	256QAM	25	0	17.86	18.15	17.90			

Reduced Power Mode for EC13_Other PA

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				20850	21100	21350	23	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.73	21.82	21.79			
20	QPSK	1	49	21.80	21.85	21.82			
20	QPSK	1	99	21.60	21.66	21.65	22	1	
20	QPSK	50	0	20.75	20.81	20.78			
20	QPSK	50	24	20.77	20.70	20.73			
20	QPSK	50	50	20.76	20.74	20.79			
20	QPSK	100	0	20.74	20.75	20.72	22	1	
20	16QAM	1	0	20.74	20.65	20.74			
20	16QAM	1	49	20.71	20.70	20.76			
20	16QAM	1	99	20.67	20.72	20.71			
20	16QAM	50	0	19.77	19.79	19.71	21	2	
20	16QAM	50	24	19.75	19.74	19.80			
20	16QAM	50	50	19.77	19.74	19.74			
20	16QAM	100	0	19.82	19.81	19.77			
20	64QAM	1	0	19.52	19.89	19.82	21	2	
20	64QAM	1	49	19.52	19.91	19.76			
20	64QAM	1	99	19.70	19.95	19.75			
20	64QAM	50	0	18.53	18.80	18.74			
20	64QAM	50	24	18.53	18.79	18.84	20	3	
20	64QAM	50	50	18.70	18.65	18.54			
20	64QAM	100	0	18.66	18.94	18.96			
20	256QAM	1	0	16.49	16.75	16.80			
20	256QAM	1	49	16.69	16.68	16.71	18	5	
20	256QAM	1	99	16.69	16.60	16.84			
20	256QAM	50	0	16.89	16.83	16.89			
20	256QAM	50	24	16.50	16.72	16.73			
20	256QAM	50	50	16.63	16.73	16.53	18	5	
20	256QAM	100	0	16.57	16.67	16.59			
Channel				20825	21100	21375	23	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	21.69	21.77	21.58			
15	QPSK	1	37	21.49	21.64	21.51			
15	QPSK	1	74	21.48	21.68	21.60	22	1	
15	QPSK	36	0	20.70	20.72	20.65			
15	QPSK	36	20	20.68	20.64	20.70			
15	QPSK	36	39	20.69	20.66	20.71			
15	QPSK	75	0	20.69	20.76	20.66	22	1	
15	16QAM	1	0	20.71	20.63	20.64			
15	16QAM	1	37	20.65	20.70	20.68			
15	16QAM	1	74	20.61	20.64	20.64			
15	16QAM	36	0	19.72	19.75	19.57	21	2	
15	16QAM	36	20	19.66	19.72	19.72			
15	16QAM	36	39	19.64	19.66	19.60			
15	16QAM	75	0	19.71	19.76	19.70			
15	64QAM	1	0	19.55	19.82	19.57	21	2	
15	64QAM	1	37	19.51	19.80	19.67			
15	64QAM	1	74	19.74	19.57	19.62			
15	64QAM	36	0	18.44	18.73	18.69			
15	64QAM	36	20	18.56	18.77	18.62	20	3	
15	64QAM	36	39	18.70	18.70	18.58			
15	64QAM	75	0	18.65	18.87	18.96			
15	256QAM	1	0	16.51	16.76	16.75			
15	256QAM	1	37	16.65	16.61	16.63	18	5	
15	256QAM	1	74	16.65	16.56	16.71			
15	256QAM	36	0	16.75	16.86	16.77			
15	256QAM	36	20	16.42	16.64	16.72			
15	256QAM	36	39	16.54	16.61	16.49	18	5	
15	256QAM	75	0	16.53	16.60	16.49			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565	23	0	
10	QPSK	1	0	21.68	21.75	21.56			
10	QPSK	1	25	21.52	21.54	21.57			
10	QPSK	1	49	21.48	21.64	21.60			
10	QPSK	25	0	20.73	20.71	20.69	22	1	
10	QPSK	25	12	20.65	20.63	20.60			
10	QPSK	25	25	20.83	20.81	20.71			
10	QPSK	50	0	20.67	20.66	20.74			
10	16QAM	1	0	20.75	20.67	20.69	22	1	
10	16QAM	1	25	20.67	20.65	20.73			
10	16QAM	1	49	20.62	20.65	20.66			
10	16QAM	25	0	19.64	19.81	19.66			
10	16QAM	25	12	19.60	19.77	19.77	21	2	
10	16QAM	25	25	19.67	19.68	19.63			
10	16QAM	50	0	19.77	19.77	19.76			
10	64QAM	1	0	19.55	19.81	19.52			
10	64QAM	1	25	19.55	19.76	19.69	21	2	
10	64QAM	1	49	19.73	19.46	19.68			
10	64QAM	25	0	18.47	18.76	18.79			
10	64QAM	25	12	18.47	18.80	18.64			
10	64QAM	25	25	18.66	18.63	18.51	18	5	
10	64QAM	50	0	18.58	18.83	18.90			
10	256QAM	1	0	16.54	16.70	16.71			
10	256QAM	1	25	16.63	16.58	16.66			
10	256QAM	1	49	16.72	16.62	16.69	18	5	
10	256QAM	25	0	16.79	16.83	16.74			
10	256QAM	25	12	16.45	16.61	16.72			
10	256QAM	25	25	16.54	16.64	16.58			
10	256QAM	50	0	16.54	16.60	16.49	23	0	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	21.68	21.77	21.62	23	0	
5	QPSK	1	12	21.54	21.65	21.54			
5	QPSK	1	24	21.51	21.67	21.63			
5	QPSK	12	0	20.70	20.70	20.75			
5	QPSK	12	7	20.67	20.65	20.60	22	1	
5	QPSK	12	13	20.72	20.64	20.66			
5	QPSK	25	0	20.72	20.66	20.73			
5	16QAM	1	0	20.70	20.65	20.68			
5	16QAM	1	12	20.62	20.63	20.73	22	1	
5	16QAM	1	24	20.69	20.69	20.62			
5	16QAM	12	0	19.62	19.79	19.55			
5	16QAM	12	7	19.60	19.72	19.73			
5	16QAM	12	13	19.75	19.73	19.69	21	2	
5	16QAM	25	0	19.76	19.76	19.66			
5	64QAM	1	0	19.58	19.74	19.55			
5	64QAM	1	12	19.47	19.86	19.62			
5	64QAM	1	24	19.67	19.50	19.61	20	3	
5	64QAM	12	0	18.42	18.83	18.76			
5	64QAM	12	7	18.46	18.79	18.54			
5	64QAM	12	13	18.72	18.61	18.57			
5	64QAM	25	0	18.61	18.87	18.88	18	5	
5	256QAM	1	0	16.47	16.75	16.67			
5	256QAM	1	12	16.61	16.57	16.72			
5	256QAM	1	24	16.63	16.55	16.80			
5	256QAM	12	0	16.81	16.86	16.82	18	5	
5	256QAM	12	7	16.49	16.63	16.68			
5	256QAM	12	13	16.48	16.66	16.53			
5	256QAM	25	0	16.56	16.61	16.47			

Band 38 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				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.26	20.31	20.29	22.1	0	
20	QPSK	1	49	20.26	20.26	20.19			
20	QPSK	1	99	20.23	20.22	20.27			
20	QPSK	50	0	20.28	20.25	20.28			
20	QPSK	50	24	20.20	20.21	20.20	22	0.1	
20	QPSK	50	50	20.21	20.22	20.20			
20	QPSK	100	0	20.24	20.27	20.21			
20	16QAM	1	0	20.18	20.25	20.17			
20	16QAM	1	49	20.21	20.24	20.25	22	0.1	
20	16QAM	1	99	20.23	20.28	20.23			
20	16QAM	50	0	19.84	19.83	19.57			
20	16QAM	50	24	19.62	19.72	19.73			
20	16QAM	50	50	19.71	19.77	19.59	21	1.1	
20	16QAM	100	0	19.75	19.71	19.71			
20	64QAM	1	0	19.54	19.72	19.50			
20	64QAM	1	49	19.49	19.85	19.60			
20	64QAM	1	99	19.70	19.50	19.65	21	1.1	
20	64QAM	50	0	18.42	18.78	18.68			
20	64QAM	50	24	18.50	18.78	18.65			
20	64QAM	50	50	18.69	18.59	18.47			
20	64QAM	100	0	18.58	18.77	18.89	20	2.1	
20	256QAM	1	0	16.46	16.74	16.70			
20	256QAM	1	49	16.56	16.56	16.66			
20	256QAM	1	99	16.62	16.62	16.78			
20	256QAM	50	0	16.73	16.82	16.76	18	4.1	
20	256QAM	50	24	16.39	16.68	16.68			
20	256QAM	50	50	16.47	16.57	16.54			
20	256QAM	100	0	16.55	16.69	16.52			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2571.5	2585	2612.5			
15	QPSK	1	0	20.11	20.23	20.11	22.1	0	
15	QPSK	1	37	20.21	20.24	20.12			
15	QPSK	1	74	20.15	20.16	20.23			
15	QPSK	36	0	20.15	20.21	20.18			
15	QPSK	36	20	20.21	20.20	20.12	22	0.1	
15	QPSK	36	39	20.19	20.16	20.20			
15	QPSK	75	0	20.16	20.13	20.12			
15	16QAM	1	0	20.14	20.14	20.15			
15	16QAM	1	37	20.20	20.13	20.18	22	0.1	
15	16QAM	1	74	20.16	20.17	20.21			
15	16QAM	36	0	19.69	19.81	19.56			
15	16QAM	36	20	19.64	19.76	19.68			
15	16QAM	36	39	19.73	19.68	19.61	21	1.1	
15	16QAM	75	0	19.76	19.76	19.70			
15	64QAM	1	0	19.57	19.81	19.56			
15	64QAM	1	37	19.44	19.79	19.61			
15	64QAM	1	74	19.65	19.54	19.65	21	1.1	
15	64QAM	36	0	18.49	18.79	18.77			
15	64QAM	36	20	18.55	18.78	18.56			
15	64QAM	36	39	18.70	18.59	18.48			
15	64QAM	75	0	18.61	18.88	18.67	20	2.1	
15	256QAM	1	0	16.54	16.77	16.70			
15	256QAM	1	37	16.55	16.62	16.69			
15	256QAM	1	74	16.68	16.63	16.77			
15	256QAM	36	0	16.77	16.87	16.77	18	4.1	
15	256QAM	36	20	16.41	16.62	16.75			
15	256QAM	36	39	16.62	16.66	16.49			
15	256QAM	75	0	16.57	16.63	16.55			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.15	20.17	20.18	22.1	0	
10	QPSK	1	25	20.12	20.19	20.12			
10	QPSK	1	49	20.17	20.16	20.17			
10	QPSK	25	0	20.16	20.15	20.17			
10	QPSK	25	12	20.15	20.20	20.14	22	0.1	
10	QPSK	25	25	20.20	20.17	20.12			
10	QPSK	50	0	20.17	20.22	20.16			
10	16QAM	1	0	20.22	20.24	20.20			
10	16QAM	1	25	20.18	20.14	20.22	22	0.1	
10	16QAM	1	49	20.11	20.14	20.21			
10	16QAM	25	0	19.68	19.83	19.67			
10	16QAM	25	12	19.65	19.71	19.80			
10	16QAM	25	25	19.75	19.68	19.58	21	1.1	
10	16QAM	50	0	19.75	19.75	19.73			
10	64QAM	1	0	19.51	19.76	19.55			
10	64QAM	1	25	19.45	19.78	19.63			
10	64QAM	1	49	19.66	19.52	19.63	21	1.1	
10	64QAM	25	0	18.42	18.76	18.68			
10	64QAM	25	12	18.50	18.79	18.59			
10	64QAM	25	25	18.63	18.61	18.57			
10	64QAM	50	0	18.85	18.86	18.87	20	2.1	
10	256QAM	1	0	16.52	16.75	16.74			
10	256QAM	1	25	16.55	16.56	16.67			
10	256QAM	1	49	16.61	16.63	16.76			
10	256QAM	25	0	16.72	16.85	16.84	18	4.1	
10	256QAM	25	12	16.39	16.60	16.67			
10	256QAM	25	25	16.51	16.59	16.59			
10	256QAM	50	0	16.56	16.66	16.51			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.14	20.15	20.12	22.1	0	
5	QPSK	1	12	20.14	20.24	20.16			
5	QPSK	1	24	20.13	20.17	20.13			
5	QPSK	12	0	20.17	20.19	20.11			
5	QPSK	12	7	20.20	20.19	20.14	22	0.1	
5	QPSK	12	13	20.12	20.17	20.20			
5	QPSK	25	0	20.14	20.18	20.19			
5	16QAM	1	0	20.12	20.16	20.23			
5	16QAM	1	12	20.12	20.19	20.21	22	0.1	
5	16QAM	1	24	20.12	20.13	20.22			
5	16QAM	12	0	19.62	19.80	19.65			
5	16QAM	12	7	19.58	19.73	19.70			
5	16QAM	12	13	19.64	19.74	19.60	21	1.1	
5	16QAM	25	0	19.73	19.82	19.70			
5	64QAM	1	0	19.57	19.74	19.54			
5	64QAM	1	12	19.44	19.84	19.62			
5	64QAM	1	24	19.69	19.49	19.70	21	1.1	
5	64QAM	12	0	18.44	18.79	18.69			
5	64QAM	12	7	18.50	18.77	18.53			
5	64QAM	12	13	18.63	18.68	18.51			
5	64QAM	25	0	18.60	18.78	18.96	20	2.1	
5	256QAM	1	0	16.54	16.71	16.68			
5	256QAM	1	12	16.54	16.53	16.70			
5	256QAM	1	24	16.88	16.59	16.70			
5	256QAM	12	0	16.73	16.87	16.82	18	4.1	
5	256QAM	12	7	16.43	16.69	16.74			
5	256QAM	12	13	16.47	16.66	16.54			
5	256QAM	25	0	16.58	16.63	16.57			

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		

Reduced Power Mode for EC16_Other PA

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				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.73	21.82	21.79	23	0	
20	QPSK	1	49	21.60	21.65	21.62			
20	QPSK	1	99	21.60	21.66	21.65			
20	QPSK	50	0	20.75	20.81	20.78	22	1	
20	QPSK	50	24	20.77	20.70	20.73			
20	QPSK	50	50	20.76	20.74	20.79			
20	QPSK	100	0	20.74	20.79	20.72	22	1	
20	16QAM	1	0	20.74	20.65	20.74			
20	16QAM	1	49	20.71	20.70	20.76			
20	16QAM	1	99	20.67	20.72	20.71	21	2	
20	16QAM	50	0	19.77	19.79	19.71			
20	16QAM	50	24	19.75	19.74	19.80			
20	16QAM	50	50	19.77	19.74	19.74	21	2	
20	16QAM	100	0	19.82	19.81	19.77			
20	64QAM	1	0	19.52	19.89	19.62			
20	64QAM	1	49	19.52	19.91	19.76	21	2	
20	64QAM	1	99	19.70	19.55	19.75			
20	64QAM	50	0	18.53	18.80	18.74			
20	64QAM	50	24	18.53	18.79	18.64	20	3	
20	64QAM	50	50	18.70	18.65	18.54			
20	64QAM	100	0	18.66	18.94	18.96			
20	256QAM	1	0	16.49	16.75	16.80	18	5	
20	256QAM	1	49	16.89	16.88	16.71			
20	256QAM	1	99	16.69	16.60	16.84			
20	256QAM	50	0	16.89	16.93	16.89	18	5	
20	256QAM	50	24	16.50	16.72	16.73			
20	256QAM	50	50	16.63	16.73	16.53			
20	256QAM	100	0	16.57	16.67	16.59			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.69	21.77	21.58	23	0	
15	QPSK	1	37	21.49	21.64	21.51			
15	QPSK	1	74	21.48	21.68	21.60			
15	QPSK	36	0	20.70	20.72	20.65	22	1	
15	QPSK	36	20	20.68	20.64	20.70			
15	QPSK	36	39	20.69	20.66	20.71			
15	QPSK	75	0	20.69	20.76	20.66	22	1	
15	16QAM	1	0	20.71	20.63	20.64			
15	16QAM	1	37	20.65	20.70	20.68			
15	16QAM	1	74	20.61	20.64	20.64	21	2	
15	16QAM	36	0	19.72	19.75	19.57			
15	16QAM	36	20	19.66	19.72	19.72			
15	16QAM	36	39	19.64	19.66	19.60	21	2	
15	16QAM	75	0	19.71	19.76	19.70			
15	64QAM	1	0	19.55	19.82	19.57			
15	64QAM	1	37	19.51	19.80	19.67	21	2	
15	64QAM	1	74	19.74	19.57	19.62			
15	64QAM	36	0	18.44	18.73	18.69			
15	64QAM	36	20	18.56	18.77	18.82	20	3	
15	64QAM	36	39	18.70	18.70	18.56			
15	64QAM	75	0	18.65	18.87	18.96			
15	256QAM	1	0	16.51	16.76	16.75	18	5	
15	256QAM	1	37	16.65	16.61	16.63			
15	256QAM	1	74	16.65	16.56	16.71			
15	256QAM	36	0	16.75	16.86	16.77	18	5	
15	256QAM	36	20	16.42	16.64	16.72			
15	256QAM	36	39	16.54	16.61	16.49			
15	256QAM	75	0	16.53	16.80	16.49			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	21.68	21.75	21.56	23	0	
10	QPSK	1	25	21.52	21.54	21.57			
10	QPSK	1	49	21.45	21.64	21.60			
10	QPSK	25	0	20.73	20.71	20.69	22	1	
10	QPSK	25	12	20.65	20.63	20.60			
10	QPSK	25	25	20.63	20.61	20.71			
10	QPSK	50	0	20.67	20.66	20.74	22	1	
10	16QAM	1	0	20.75	20.67	20.69			
10	16QAM	1	25	20.67	20.65	20.73			
10	16QAM	1	49	20.62	20.65	20.66	21	2	
10	16QAM	25	0	19.64	19.81	19.66			
10	16QAM	25	12	19.60	19.77	19.77			
10	16QAM	25	25	19.67	19.68	19.63	21	2	
10	16QAM	50	0	19.77	19.77	19.76			
10	64QAM	1	0	19.55	19.81	19.52			
10	64QAM	1	25	19.55	19.76	19.69	21	2	
10	64QAM	1	49	19.73	19.48	19.68			
10	64QAM	25	0	18.47	18.76	18.79			
10	64QAM	25	12	18.47	18.80	18.64	20	3	
10	64QAM	25	25	18.66	18.63	18.51			
10	64QAM	50	0	18.58	18.63	18.60			
10	256QAM	1	0	16.54	16.70	16.71	18	5	
10	256QAM	1	25	16.63	16.58	16.66			
10	256QAM	1	49	16.72	16.62	16.69			
10	256QAM	25	0	16.79	16.83	16.74	18	5	
10	256QAM	25	12	16.45	16.61	16.72			
10	256QAM	25	25	16.54	16.64	16.58			
10	256QAM	50	0	16.54	16.60	16.49			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.66	21.77	21.62	23	0	
5	QPSK	1	12	21.54	21.65	21.54			
5	QPSK	1	24	21.51	21.67	21.63			
5	QPSK	12	0	20.70	20.70	20.75	22	1	
5	QPSK	12	7	20.67	20.65	20.60			
5	QPSK	12	13	20.72	20.64	20.66			
5	QPSK	25	0	20.72	20.66	20.73	22	1	
5	16QAM	1	0	20.70	20.65	20.68			
5	16QAM	1	12	20.62	20.63	20.73			
5	16QAM	1	24	20.69	20.69	20.62	21	2	
5	16QAM	12	0	19.62	19.79	19.55			
5	16QAM	12	7	19.60	19.72	19.73			
5	16QAM	12	13	19.75	19.73	19.69	21	2	
5	16QAM	25	0	19.76	19.76	19.68			
5	64QAM	1	0	19.68	19.74	19.55			
5	64QAM	1	12	19.47	19.86	19.62	21	2	
5	64QAM	1	24	19.67	19.50	19.61			
5	64QAM	12	0	18.42	18.63	18.76			
5	64QAM	12	7	18.49	18.79	18.54	20	3	
5	64QAM	12	13	18.72	18.61	18.57			
5	64QAM	25	0	18.61	18.87	18.88			
5	256QAM	1	0	16.47	16.75	16.67	18	5	
5	256QAM	1	12	16.61	16.57	16.72			
5	256QAM	1	24	16.63	16.55	16.80			
5	256QAM	12	0	16.81	16.86	16.82	18	5	
5	256QAM	12	7	16.49	16.63	16.68			
5	256QAM	12	13	16.48	16.66	16.53			
5	256QAM	25	0	16.56	16.61	16.47			

Band 38 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				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	21.67	21.78	21.66	23	0	
20	QPSK	1	49	21.54	21.58	21.49			
20	QPSK	1	99	21.52	21.65	21.60			
20	QPSK	50	0	20.85	20.76	20.71	22	1	
20	QPSK	50	24	20.68	20.61	20.66			
20	QPSK	50	50	20.67	20.69	20.72			
20	QPSK	100	0	20.73	20.75	20.74	22	1	
20	16QAM	1	0	20.71	20.59	20.70			
20	16QAM	1	49	20.66	20.70	20.69			
20	16QAM	1	99	20.68	20.62	20.68	21	2	
20	16QAM	50	0	19.84	19.83	19.57			
20	16QAM	50	24	19.62	19.72	19.73			
20	16QAM	50	50	19.71	19.77	19.59	21	2	
20	16QAM	100	0	19.75	19.71	19.71			
20	64QAM	1	0	19.54	19.72	19.50	21	2	
20	64QAM	1	49	19.49	19.85	19.60			
20	64QAM	1	99	19.70	19.50	19.65	20	3	
20	64QAM	50	0	18.42	18.78	18.68			
20	64QAM	50	24	18.50	18.78	18.65			
20	64QAM	50	50	18.69	18.59	18.47	20	3	
20	64QAM	100	0	18.58	18.77	18.89			
20	256QAM	1	0	16.46	16.74	16.74	18	5	
20	256QAM	1	49	16.56	16.56	16.66			
20	256QAM	1	99	16.62	16.62	16.78			
20	256QAM	50	0	16.73	16.82	16.76	18	5	
20	256QAM	50	24	16.39	16.68	16.68			
20	256QAM	50	50	16.47	16.57	16.54			
20	256QAM	100	0	16.55	16.69	16.52	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	21.66	21.68	21.63	23	0	
15	QPSK	1	37	21.55	21.62	21.50			
15	QPSK	1	74	21.47	21.68	21.55			
15	QPSK	36	0	20.62	20.72	20.68	22	1	
15	QPSK	36	20	20.63	20.65	20.62			
15	QPSK	36	39	20.65	20.66	20.77			
15	QPSK	75	0	20.73	20.75	20.72	22	1	
15	16QAM	1	0	20.70	20.62	20.72			
15	16QAM	1	37	20.64	20.65	20.68			
15	16QAM	1	74	20.61	20.73	20.70	22	1	
15	16QAM	36	0	19.69	19.81	19.56			
15	16QAM	36	20	19.64	19.76	19.68			
15	16QAM	36	39	19.73	19.68	19.61	21	2	
15	16QAM	75	0	19.76	19.76	19.70			
15	64QAM	1	0	19.57	19.81	19.56			
15	64QAM	1	37	19.44	19.79	19.61	21	2	
15	64QAM	1	74	19.65	19.54	19.65			
15	64QAM	36	0	18.49	18.79	18.77			
15	64QAM	36	20	18.55	18.78	18.56	20	3	
15	64QAM	36	39	18.70	18.59	18.48			
15	64QAM	75	0	18.61	18.88	18.67			
15	256QAM	1	0	16.54	16.77	16.70	18	5	
15	256QAM	1	37	16.55	16.62	16.69			
15	256QAM	1	74	16.68	16.63	16.77			
15	256QAM	36	0	16.77	16.87	16.77	18	5	
15	256QAM	36	20	16.41	16.62	16.75			
15	256QAM	36	39	16.52	16.66	16.49			
15	256QAM	75	0	16.57	16.63	16.55	Tune-up limit (dBm)	MPR (dB)	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.72	21.67	21.60	23	0	
10	QPSK	1	25	21.60	21.57	21.55			
10	QPSK	1	49	21.57	21.64	21.58			
10	QPSK	25	0	20.64	20.74	20.71	22	1	
10	QPSK	25	12	20.66	20.65	20.65			
10	QPSK	25	25	20.69	20.64	20.71			
10	QPSK	50	0	20.73	20.67	20.75	22	1	
10	16QAM	1	0	20.73	20.70	20.66			
10	16QAM	1	25	20.68	20.72	20.73			
10	16QAM	1	49	20.62	20.67	20.67	21	2	
10	16QAM	25	0	19.68	19.83	19.67			
10	16QAM	25	12	19.65	19.71	19.80			
10	16QAM	25	25	19.75	19.68	19.58	21	2	
10	16QAM	50	0	19.75	19.75	19.73			
10	64QAM	1	0	19.51	19.76	19.55			
10	64QAM	1	25	19.45	19.78	19.63	21	2	
10	64QAM	1	49	19.66	19.52	19.63			
10	64QAM	25	0	18.42	18.76	18.68			
10	64QAM	25	12	18.50	18.79	18.59	20	3	
10	64QAM	25	25	18.63	18.61	18.57			
10	64QAM	50	0	18.85	18.86	18.87			
10	256QAM	1	0	16.52	16.75	16.74	18	5	
10	256QAM	1	25	16.55	16.56	16.67			
10	256QAM	1	49	16.61	16.63	16.75			
10	256QAM	25	0	16.72	16.85	16.84	18	5	
10	256QAM	25	12	16.39	16.60	16.67			
10	256QAM	25	25	16.51	16.59	16.59			
10	256QAM	50	0	16.56	16.66	16.51	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	21.70	21.68	21.65	23	0	
5	QPSK	1	12	21.52	21.66	21.50			
5	QPSK	1	24	21.58	21.63	21.62			
5	QPSK	12	0	20.72	20.69	20.71	22	1	
5	QPSK	12	7	20.64	20.61	20.62			
5	QPSK	12	13	20.69	20.70	20.75			
5	QPSK	25	0	20.65	20.69	20.66	22	1	
5	16QAM	1	0	20.65	20.64	20.63			
5	16QAM	1	12	20.62	20.66	20.79			
5	16QAM	1	24	20.67	20.70	20.68	21	2	
5	16QAM	12	0	19.62	19.80	19.65			
5	16QAM	12	7	19.58	19.73	19.70			
5	16QAM	12	13	19.64	19.74	19.60	21	2	
5	16QAM	25	0	19.73	19.82	19.70			
5	64QAM	1	0	19.57	19.74	19.54			
5	64QAM	1	12	19.44	19.84	19.62	21	2	
5	64QAM	1	24	19.69	19.49	19.70			
5	64QAM	12	0	18.44	18.78	18.69			
5	64QAM	12	7	18.50	18.77	18.53	20	3	
5	64QAM	12	13	18.63	18.68	18.51			
5	64QAM	25	0	18.60	18.78	18.96			
5	256QAM	1	0	16.54	16.71	16.68	18	5	
5	256QAM	1	12	16.54	16.53	16.70			
5	256QAM	1	24	16.68	16.59	16.70			
5	256QAM	12	0	16.73	16.87	16.82	18	5	
5	256QAM	12	7	16.43	16.69	16.74			
5	256QAM	12	13	16.47	16.66	16.68			
5	256QAM	25	0	16.58	16.63	16.57			

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	21.4	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.11	20.15	20.13		

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	510588	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	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				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	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		
Frequency (MHz)				2599.02	2685	2689.98		
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	22.08	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	23.19	24.0	0.0
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		
Frequency (MHz)				2525	2535	2545		
50	QPSK	1	1	22.51	22.53	22.49	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	22.26	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 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	656000	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	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				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	23.05	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	663000	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				647300	656000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.5	3840	3972.5			
25	QPSK	1	1	23.05	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				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			
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			
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	663000	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				647300	656000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.5	3840	3972.5			
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	24.0	0.0	
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		22.68		23.5	0.5	
100	PI/2 BPSK	135	69		23.13		24.0	0.0	
100	PI/2 BPSK	135	138		22.72		23.5	0.5	
100	PI/2 BPSK	270	0		22.70				
100	QPSK	1	1		23.20		24.0	0.0	
100	QPSK	1	137		23.12				
100	QPSK	1	271		23.14				
100	QPSK	135	0		22.16		23.0	1.0	
100	QPSK	135	69		23.18		24.0	0.0	
100	QPSK	135	138		22.04		23.0	1.0	
100	QPSK	270	0		22.16		23.0	1.0	
100	16QAM	1	1		22.10		23.0	1.0	
100	64QAM	1	1		20.48		21.5	2.5	
100	256QAM	1	1		18.96		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		22.92	23.02	23.03	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		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				647300	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.5	3750	3792.5			
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	27.0	0.0	
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	0.5	
100	PI/2 BPSK	135	69		26.12		27.0	0.0	
100	PI/2 BPSK	135	138		25.70		26.5	0.5	
100	PI/2 BPSK	270	0		25.76				
100	QPSK	1	1		26.20		27.0	0.0	
100	QPSK	1	137		26.03				
100	QPSK	1	271		26.06				
100	QPSK	135	0		25.10		26.0	1.0	
100	QPSK	135	69		26.19		27.0	0.0	
100	QPSK	135	138		25.10		26.0	1.0	
100	QPSK	270	0		25.12		26.0	1.0	
100	16QAM	1	1		25.02		26.0	1.0	
100	64QAM	1	1		23.46		24.5	2.5	
100	256QAM	1	1		21.96		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		25.87	25.99	25.88	27.0	0.0
Channel				648334	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				647300	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.5	3750	3792.5			
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 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	24.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	23.09	23.34	23.17			
100	PI/2 BPSK	1	137	23.27	23.42	23.25	24.0	0.0	
100	PI/2 BPSK	1	271	23.23	23.23	23.15			
100	PI/2 BPSK	135	0	22.73	22.85	22.82		0.5	
100	PI/2 BPSK	135	69	23.26	23.39	23.29	23.5	0.5	
100	PI/2 BPSK	135	138	22.81	22.89	22.77			
100	PI/2 BPSK	270	0	22.83	22.78	22.69			
100	QPSK	1	1	23.41	23.43	23.39	24.0	0.0	
100	QPSK	1	137	23.23	23.24	23.29			
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			
100	QPSK	135	138	22.41	22.39	22.21			
100	QPSK	270	0	22.33	22.38	22.37	23.0	1.0	
100	16QAM	1	1	22.18	22.22	22.22			
100	64QAM	1	1	20.50	20.58	20.42		2.5	
100	256QAM	1	1	19.12	19.23	19.19	4.5		
Channel				649668	656000	662334	24.0	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	23.22	23.25	23.24		0.0	
Channel				649334	656000	662668	24.0	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	23.24	23.34	23.22		0.0	
Channel				649000	656000	663000	24.0	0.0	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	23.16	23.34	23.13		0.0	
Channel				648668	656000	663334	24.0	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	23.17	23.25	23.20		0.0	
Channel				648334	656000	663668	24.0	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	23.16	23.30	23.22		0.0	
Channel				648000	656000	664000	24.0	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.22	23.30	23.14		0.0	
Channel				647668	656000	664334	24.0	0.0	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	23.19	23.31	23.20		0.0	
Channel				647334	656000	664668	24.0	0.0	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	23.24	23.30	23.25		0.0	
Channel				647166	656000	664834	24.0	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	23.15	23.27	23.17		0.0	
Channel				647000	656000	665000	24.0	0.0	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	23.17	23.31	23.13		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	MPR	
Channel				650000	656000	662000	27.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	26.13	26.20	26.10			
100	PI/2 BPSK	1	137	26.17	26.30	26.24	26.5	0.5	
100	PI/2 BPSK	1	271	26.11	26.26	26.14			
100	PI/2 BPSK	135	0	25.72	25.82	25.78			
100	PI/2 BPSK	135	69	26.22	26.28	26.30	26.5	0.5	
100	PI/2 BPSK	135	138	25.67	25.83	25.69			
100	PI/2 BPSK	270	0	25.72	25.78	25.62			
100	QPSK	1	1	26.34	26.36	26.36	27.0	0.0	
100	QPSK	1	137	26.19	26.28	26.23			
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			
100	QPSK	135	138	25.36	25.32	25.17			
100	QPSK	270	0	25.29	25.33	25.25	26.0	1.0	
100	16QAM	1	1	25.10	25.19	25.20			
100	64QAM	1	1	23.37	23.59	23.45		2.5	
100	256QAM	1	1	22.07	22.18	22.12	4.5		
Channel				649668	656000	662334	27.0	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	26.19	26.28	26.19		0.0	
Channel				649334	656000	662668	27.0	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	26.20	26.30	26.22		0.0	
Channel				649000	656000	663000	27.0	0.0	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	26.14	26.33	26.20		0.0	
Channel				648668	656000	663334	27.0	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	26.15	26.30	26.22		0.0	
Channel				648334	656000	663668	27.0	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	26.22	26.32	26.21		0.0	
Channel				648000	656000	664000	27.0	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	26.21	26.33	26.17		0.0	
Channel				647668	656000	664334	27.0	0.0	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	26.22	26.35	26.24		0.0	
Channel				647500	656000	664500	27.0	0.0	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	26.15	26.33	26.21		0.0	
Channel				647334	656000	664668	27.0	0.0	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	26.18	26.32	26.22		0.0	
Channel				647166	656000	664834	27.0	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	26.15	26.28	26.18		0.0	
Channel				647000	656000	665000	27.0	0.0	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	26.23	26.37	26.21		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	24.0	0.0	
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				
100	PI/2 BPSK	135	69		23.35		23.5	0.5	
100	PI/2 BPSK	135	138		22.82		24.0	0.0	
100	PI/2 BPSK	270	0		22.79		23.5	0.5	
100	QPSK	1	1		23.36		24.0	0.0	
100	QPSK	1	137		23.28				
100	QPSK	1	271		23.31				
100	QPSK	135	0		22.33				
100	QPSK	135	69		23.34		23.0	1.0	
100	QPSK	135	138		22.27		23.0	1.0	
100	QPSK	270	0		22.33		23.0	1.0	
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	(dBm)	(dB)	
90	QPSK	1	1		23.05	23.09	24.0	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		23.02	23.19	23.12	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		23.06	23.31	23.11	24.0	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		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	(dBm)	(dB)	
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	(dBm)	(dB)	
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	3785.01	(dBm)	(dB)	
30	QPSK	1	1		22.06	23.21	23.05	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
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	(dBm)	(dB)	
20	QPSK	1	1		23.03	23.20	23.04	24.0	0.0
Channel				647166	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
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	(dBm)	(dB)	
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	27.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		26.23		27.0	0.0	
100	PI/2 BPSK	1	137		26.32				
100	PI/2 BPSK	1	271		26.18				
100	PI/2 BPSK	135	0		25.76				
100	PI/2 BPSK	135	69		26.29		26.5	0.5	
100	PI/2 BPSK	135	138		25.89		27.0	0.0	
100	PI/2 BPSK	270	0		25.78		26.5	0.5	
100	QPSK	1	1		26.34		27.0	0.0	
100	QPSK	1	137		26.21				
100	QPSK	1	271		26.33				
100	QPSK	135	0		25.30				
100	QPSK	135	69		26.31		26.0	1.0	
100	QPSK	135	138		25.24		27.0	0.0	
100	QPSK	270	0		25.30		26.0	1.0	
100	16QAM	1	1		25.25		26.0	1.0	
100	64QAM	1	1		23.52		24.5	2.5	
100	256QAM	1	1		22.24		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		26.05	26.23	25.14	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		26.09	26.20	26.07	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		26.07	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	(dBm)	(dB)	
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	(dBm)	(dB)	
50	QPSK	1	1		26.06	26.26	26.10	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		26.05	26.25	26.14	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		26.05	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	(dBm)	(dB)	
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	(dBm)	(dB)	
20	QPSK	1	1		26.04	26.26	26.02	27.0	0.0
Channel				647166	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
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	(dBm)	(dB)	
10	QPSK	1	1		26.13	26.25	26.07	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	Tune-up limit (dBm)	MPR (dB)		
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		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 (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)		
90	QPSK	1	1		23.29	23.24	23.21	24.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)		
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 (dBm)	MPR (dB)		
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)		
70	QPSK	1	1		23.29	23.31	23.30	24.0	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		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	(dBm)	(dB)		
50	QPSK	1	1		23.26	23.18	23.28	24.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)		
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 (dBm)	MPR (dB)		
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 (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)		
20	QPSK	1	1		23.26	23.27	23.18	24.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)		
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	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 (dBm)	MPR (dB)		
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 (dBm)	MPR (dB)		
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)		
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	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				649334	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	653000	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	22.33	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		23.5	0.5
40	PI/2 BPSK	50	26	22.54	22.56	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			
40	QPSK	1	1	22.55	22.63	22.56	24.0	0.0	
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	23.0	1.0	
40	QPSK	50	56	21.54	21.59	21.57			
40	QPSK	100	0	21.57	21.58	21.53	24.0	0.0	
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	519000	520998	24.0	MPR (dB)	
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	MPR (dB)	
Frequency (MHz)				2562.52	2595	2607.48			
25	QPSK	1	1	22.53	22.52	22.55	Tune-up limit (dBm)	MPR (dB)	
Channel				516200	519000	522000	24.0	MPR (dB)	
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	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	24.0	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	2592.99	2640			
100	PI/2 BPSK	1	1	22.45	22.57	22.32			
100	PI/2 BPSK	1	137	22.37	22.59	22.45			
100	PI/2 BPSK	1	271	22.50	22.50	22.47	23.5	0.5	
100	PI/2 BPSK	135	0	22.02	22.18	22.08			
100	PI/2 BPSK	135	69	22.54	22.57	22.49			
100	PI/2 BPSK	135	138	22.04	22.15	22.01			
100	PI/2 BPSK	270	0	22.02	22.16	21.91	23.5	0.5	
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	22.49			
100	QPSK	135	0	21.49	21.61	21.48	24.0	1.0	
100	QPSK	135	69	22.62	22.63	22.57			
100	QPSK	135	138	21.58	21.64	21.48			
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			
100	256QAM	1	1	18.33	18.45	18.32	19.5	4.5	
Channel				506200	516598	526996	24.0	MPR (dB)	
Frequency (MHz)				2641	2592.99	2644.98			
90	QPSK	1	1	22.55	22.56	22.59	24.0		
Channel				507204	516598	529998	24.0	MPR (dB)	
Frequency (MHz)				2636.02	2592.99	2649.99			
80	QPSK	1	1	22.53	22.60	22.54	24.0		
Channel				506202	516598	531000	24.0	MPR (dB)	
Frequency (MHz)				2631.01	2592.99	2655			
70	QPSK	1	1	22.52	22.52	22.59	24.0		
Channel				505200	516598	531996	24.0	MPR (dB)	
Frequency (MHz)				2626	2592.99	2659.98			
60	QPSK	1	1	22.53	22.62	22.52	24.0		
Channel				504204	516598	532998	24.0	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2664.99			
50	QPSK	1	1	22.58	22.58	22.56	24.0		
Channel				503700	516598	533496	24.0	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	22.55	22.56	22.59	24.0		
Channel				503202	516598	534000	24.0	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.58	22.54	22.59	24.0		
Channel				502704	516598	534498	24.0	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	22.54	22.57	22.49	24.0		
Channel				502200	516598	534998	24.0	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.86			
30	QPSK	1	1	22.51	22.58	22.49	24.0		
Channel				501702	516598	535500	24.0	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	22.57	22.55	22.57	24.0		
Channel				501204	516598	535998	24.0	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.89			
20	QPSK	1	1	22.59	22.57	22.52	24.0		
Channel				500700	516598	536496	24.0	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.57	22.55	22.57	24.0		
Channel				500202	516598	537000	24.0	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.60	22.58	22.57	24.0		

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		
40	PI/2 BPSK	50	0	22.73	22.90	22.82		
40	PI/2 BPSK	50	26	23.31	23.37	23.26	23.5	0.5
40	PI/2 BPSK	50	56	22.72	22.87	22.75		
40	PI/2 BPSK	100	0	22.77	22.92	22.77		
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		
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		
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	24.0	0.0
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	24.0	0.0
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	24.0	0.0
Frequency (MHz)				2560	2596	2610		
20	QPSK	1	1	23.27	23.35	23.32	24.0	0.0
Channel				515502	519000	522498	24.0	0.0
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	24.0	0.0
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	2692.96	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		
100	PI/2 BPSK	135	0	22.59	22.68	22.57		
100	PI/2 BPSK	135	69	23.10	23.15	23.06	23.5	0.5
100	PI/2 BPSK	135	138	22.52	22.69	22.52		
100	PI/2 BPSK	270	0	22.54	22.68	22.49		
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		
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		
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	24.0	0.0
Frequency (MHz)				2641	2692.99	2744.98		
90	QPSK	1	1	23.14	23.13	23.14	24.0	0.0
Channel				507204	516598	526998	24.0	0.0
Frequency (MHz)				2636.02	2692.99	2740.99		
80	QPSK	1	1	23.08	23.08	23.03	24.0	0.0
Channel				506202	516598	531000	24.0	0.0
Frequency (MHz)				2631.01	2692.99	2755		
70	QPSK	1	1	23.05	23.14	23.07	24.0	0.0
Channel				505200	516598	531996	24.0	0.0
Frequency (MHz)				2626	2692.99	2759.98		
60	QPSK	1	1	23.07	23.14	23.07	24.0	0.0
Channel				504204	516598	532996	24.0	0.0
Frequency (MHz)				2621.02	2692.99	2764.99		
50	QPSK	1	1	23.15	23.16	23.08	24.0	0.0
Channel				503700	516598	533496	24.0	0.0
Frequency (MHz)				2518.5	2692.99	2767.48		
45	QPSK	1	1	23.08	23.08	23.03	24.0	0.0
Channel				503202	516598	534000	24.0	0.0
Frequency (MHz)				2516.01	2692.99	2770		
40	QPSK	1	1	23.09	23.14	23.06	24.0	0.0
Channel				502704	516598	534498	24.0	0.0
Frequency (MHz)				2513.52	2692.99	2772.49		
35	QPSK	1	1	23.18	23.21	23.14	24.0	0.0
Channel				502200	516598	534996	24.0	0.0
Frequency (MHz)				2511	2692.99	2774.98		
30	QPSK	1	1	23.15	23.08	23.09	24.0	0.0
Channel				501702	516598	535500	24.0	0.0
Frequency (MHz)				2508.51	2692.99	2777.5		
25	QPSK	1	1	22.96	23.07	22.94	24.0	0.0
Channel				501204	516598	535998	24.0	0.0
Frequency (MHz)				2506.02	2692.99	2779.99		
20	QPSK	1	1	23.04	23.10	23.15	24.0	0.0
Channel				500700	516598	536496	24.0	0.0
Frequency (MHz)				2503.5	2692.99	2782.48		
15	QPSK	1	1	23.07	23.11	23.10	24.0	0.0
Channel				500202	516598	537000	24.0	0.0
Frequency (MHz)				2501.01	2692.99	2784		
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	22.86	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)				2625	2635	2645		
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	18.19			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)				3760	3840	3800			
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		0.0	
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		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	19.05	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)				3760	3840	3800			
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		0.0	
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		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	21.60	22.03	21.63	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		18.45		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	662000	16.8	0.0			
Frequency (MHz)				3750	3840	3930					
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	15.79	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					
100	QPSK	1	1	15.82	15.88	15.84					
100	QPSK	1	137	15.76	15.78	15.81	16.8	0.0			
100	QPSK	1	271	15.76	15.85	15.83					
100	QPSK	135	0	15.80	15.80	15.75					
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	15.78	15.77	15.82		16.8			
100	64QAM	1	1	15.78	15.83	15.73					
100	256QAM	1	1	15.83	15.84	15.83					
Channel				648668	660000	663334	Tune-up limit (dBm)				
Frequency (MHz)				3745.02	3840	3935.01	(dBm)				
90	QPSK	1	1	15.73	15.75	15.80	16.8	0.0			
Channel				649334	660000	662668	Tune-up limit (dBm)				
Frequency (MHz)				3740.01	3840	3940.02	(dBm)				
80	QPSK	1	1	15.68	15.71	15.70	16.8	0.0			
Channel				649000	660000	663000	Tune-up limit (dBm)				
Frequency (MHz)				3735	3840	3945	(dBm)				
70	QPSK	1	1	15.69	15.78	15.75	16.8	0.0			
Channel				648668	660000	663334	Tune-up limit (dBm)				
Frequency (MHz)				3730.02	3840	3950.01	(dBm)				
60	QPSK	1	1	15.68	15.73	15.69	16.8	0.0			
Channel				648334	660000	663668	Tune-up limit (dBm)				
Frequency (MHz)				3725.01	3840	3955.02	(dBm)				
50	QPSK	1	1	15.74	15.74	15.71	16.8	0.0			
Channel				648000	660000	664000	Tune-up limit (dBm)				
Frequency (MHz)				3720	3840	3960	(dBm)				
40	QPSK	1	1	15.73	15.71	15.79	16.8	0.0			
Channel				647668	660000	664334	Tune-up limit (dBm)				
Frequency (MHz)				3715.02	3840	3965.01	(dBm)				
30	QPSK	1	1	15.78	15.80	15.75	16.8	0.0			
Channel				647500	660000	664500	Tune-up limit (dBm)				
Frequency (MHz)				3712.5	3840	3967.5	(dBm)				
25	QPSK	1	1	15.67	15.72	15.76	16.8	0.0			
Channel				647334	660000	664668	Tune-up limit (dBm)				
Frequency (MHz)				3710.01	3840	3970.02	(dBm)				
20	QPSK	1	1	15.67	15.71	15.75	16.8	0.0			
Channel				647168	660000	664834	Tune-up limit (dBm)				
Frequency (MHz)				3707.52	3840	3972.51	(dBm)				
15	QPSK	1	1	15.78	15.74	15.76	16.8	0.0			
Channel				647000	660000	665000	Tune-up limit (dBm)				
Frequency (MHz)				3705	3840	3975	(dBm)				
10	QPSK	1	1	15.68	15.82	15.74	16.8	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	660000	650000				
Frequency (MHz)				3750	3750	3750				
100	PI/2 BPSK	1	1		15.76		16.8	0.0		
100	PI/2 BPSK	1	137							
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					
100	QPSK	1	1		15.80					
100	QPSK	1	137		15.75		16.8	0.0		
100	QPSK	1	271		15.76					
100	QPSK	135	0		15.73					
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					
100	64QAM	1	1		15.76					
100	256QAM	1	1		15.76					
Channel				648668	650000	660334	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)		
90	QPSK	1	1	15.74	15.77	15.76	16.8	0.0		
Channel				649334	650000	660668	Tune-up limit			MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)			(dB)
80	QPSK	1	1	15.77	15.77	15.77	16.8	0.0		
Channel				649000	650000	661000	Tune-up limit			MPR
Frequency (MHz)				3735	3750	3765	(dBm)			(dB)
70	QPSK	1	1	15.75	15.79	15.73	16.8	0.0		
Channel				648668	650000	661334	Tune-up limit			MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)			(dB)
60	QPSK	1	1	15.67	15.79	15.68	16.8	0.0		
Channel				648334	650000	661668	Tune-up limit			MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)			(dB)
50	QPSK	1	1	15.69	15.74	15.76	16.8	0.0		
Channel				648000	650000	662000	Tune-up limit			MPR
Frequency (MHz)				3720	3750	3780	(dBm)			(dB)
40	QPSK	1	1	15.68	15.77	15.71	16.8	0.0		
Channel				647668	650000	662334	Tune-up limit			MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)			(dB)
30	QPSK	1	1	15.68	15.75	15.69	16.8	0.0		
Channel				647500	650000	662500	Tune-up limit			MPR
Frequency (MHz)				3712.5	3750	3787.5	(dBm)			(dB)
25	QPSK	1	1	15.71	15.76	15.70	16.8	0.0		
Channel				647334	650000	662668	Tune-up limit			MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)			(dB)
20	QPSK	1	1	15.77	15.74	15.77	16.8	0.0		
Channel				647168	650000	662834	Tune-up limit			MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)			(dB)
15	QPSK	1	1	15.75	15.78	15.78	16.8	0.0		
Channel				647000	650000	663000	Tune-up limit			MPR
Frequency (MHz)				3705	3750	3795	(dBm)			(dB)
10	QPSK	1	1	15.76	15.74	15.69	16.8	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	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	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	24.0		0.0
30	QPSK	1	1	22.58	22.58	22.50	24.0		0.0
Channel				518504	519000	521498	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2592.52	2595	2607.48	24.0		0.0
25	QPSK	1	1	22.53	22.52	22.58	24.0		0.0
Channel				518200	519000	522000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2580	2595	2610	24.0		0.0
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	24.0		0.0
15	QPSK	1	1	22.58	22.58	22.49	24.0		0.0
Channel				518204	519000	522098	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	24.0		0.0
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	518598	528000	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		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	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			
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				506200	518598	528998	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2641	2692.99	2644.98	24.0		0.0
90	QPSK	1	1	22.55	22.56	22.59	24.0		0.0
Channel				507204	518598	529998	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2636.02	2692.99	2649.99	24.0		0.0
80	QPSK	1	1	22.53	22.60	22.54	24.0		0.0
Channel				506202	518598	531000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2631.01	2692.99	2655	24.0		0.0
70	QPSK	1	1	22.52	22.52	22.59	24.0		0.0
Channel				505200	518598	531998	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2626	2692.99	2659.98	24.0		0.0
60	QPSK	1	1	22.53	22.62	22.52	24.0		0.0
Channel				504204	518598	532998	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2621.02	2692.99	2664.99	24.0		0.0
50	QPSK	1	1	22.58	22.58	22.56	24.0		0.0
Channel				503700	518598	533498	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2518.5	2692.99	2667.48	24.0		0.0
45	QPSK	1	1	22.55	22.56	22.59	24.0		0.0
Channel				503202	518598	534000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2516.01	2692.99	2670	24.0		0.0
40	QPSK	1	1	22.58	22.54	22.59	24.0		0.0
Channel				502704	518598	534498	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2513.52	2692.99	2672.49	24.0		0.0
35	QPSK	1	1	22.54	22.57	22.49	24.0		0.0
Channel				502200	518598	534998	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2511	2692.99	2674.86	24.0		0.0
30	QPSK	1	1	22.51	22.58	22.49	24.0		0.0
Channel				501702	518598	535500	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2508.51	2692.99	2677.5	24.0		0.0
25	QPSK	1	1	22.57	22.55	22.57	24.0		0.0
Channel				501204	518598	535998	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2506.02	2692.99	2679.89	24.0		0.0
20	QPSK	1	1	22.59	22.57	22.52	24.0		0.0
Channel				500700	518598	536498	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2503.5	2692.99	2682.48	24.0		0.0
15	QPSK	1	1	22.57	22.55	22.57	24.0		0.0
Channel				500202	518598	537000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2501.01	2692.99	2684	24.0		0.0
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				506202	516598	526000	23.2	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi/2 BPSK	1	1	21.75	21.71	21.78	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	526998	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)				2525	2535	2545		
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	24.0	0.0
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	24.0	0.0
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	24.0	0.0
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.57	22.73	22.51	24.0	0.0
Channel				133100	136100	139100	24.0	0.0
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	665334	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	653334	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	24.7	0.0	
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	24.7	0.0	
100	QPSK	135	0	23.12	23.11	23.16			
100	QPSK	135	69	23.17	23.21	23.19			
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			
100	64QAM	1	1	23.14	23.18	23.15			
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		24.7	0.0	
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		24.7	0.0	
100	QPSK	135	0		23.10				
100	QPSK	135	69		23.12				
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				
100	64QAM	1	1		23.03				
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				647500	650000	652500	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	15.80	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	15.67	15.67	17.3	0.0	
100	PI/2 BPSK	1	137	15.67	15.67	15.67			
100	PI/2 BPSK	1	271	15.67	15.67	15.67			
100	PI/2 BPSK	135	0	15.67	15.67	15.67			
100	PI/2 BPSK	135	69	15.67	15.67	15.67	17.3	0.0	
100	PI/2 BPSK	135	138	15.69	15.69	15.69	17.3	0.0	
100	PI/2 BPSK	270	0	15.69	15.69	15.69			
100	QPSK	1	1	15.70	15.70	15.70			
100	QPSK	1	137	15.68	15.68	15.68			
100	QPSK	1	271	15.75	15.75	15.75	17.3	0.0	
100	QPSK	135	0	15.72	15.72	15.72			
100	QPSK	135	69	15.77	15.77	15.77			
100	QPSK	135	138	15.75	15.75	15.75			
100	QPSK	270	0	15.71	15.71	15.71	17.3	0.0	
100	16QAM	1	1	15.73	15.73	15.73	17.3	0.0	
100	64QAM	1	1	15.71	15.71	15.71	17.3	0.0	
100	256QAM	1	1	15.74	15.74	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	15.64	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	15.66	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	15.69	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	19.9	0.0	
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	19.9	0.0	
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		19.9	0.0	
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		19.9	0.0	
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				646668	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				646000	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	520098	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				516200	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				516204	519000	522098	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				506202	516598	526000	
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				506200	516598	526998	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	MPR (dB)
90	QPSK	1	1	19.58	19.52	19.57	20.9
Channel				507204	516598	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				506202	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	516598	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)				2521.02	2592.99	2664.99	MPR (dB)
50	QPSK	1	1	19.48	19.51	19.59	20.9
Channel				503700	516598	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	516598	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	516598	534998	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	MPR (dB)
30	QPSK	1	1	19.53	19.54	19.49	20.9
Channel				501702	516598	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	516598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	MPR (dB)
20	QPSK	1	1	19.48	19.51	19.55	20.9
Channel				500700	516598	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	516598	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				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		
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	518000	520098		
Frequency (MHz)				2585.01	2595	2604.99	18.8	0.0
30	QPSK	1	1	17.69	17.70	17.70		
Channel				516504	519000	521496	18.8	0.0
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	17.67	17.71	17.62	18.8	0.0
Channel				516200	519000	522000		
Frequency (MHz)				2580	2595	2610	18.8	0.0
20	QPSK	1	1	17.64	17.70	17.63		
Channel				515502	519000	522498	18.8	0.0
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	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	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		
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	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98	18.8	0.0
90	QPSK	1	1	17.70	17.71	17.72		
Channel				507204	518598	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	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655	18.8	0.0
70	QPSK	1	1	17.65	17.69	17.65		
Channel				505200	518598	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	518598	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	518598	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	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670	18.8	0.0
40	QPSK	1	1	17.66	17.67	17.64		
Channel				502704	518598	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	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	18.8	0.0
30	QPSK	1	1	17.71	17.64	17.61		
Channel				501702	518598	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	518598	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	518598	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	518598	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	165300	165800	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	518500	518996	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	2592.99	2640		
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	165300	165800	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				505000	507000	509000	22.0	0.0
Frequency (MHz)				2525	2635	2645		
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	2592.99	2640		
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		2.5	
100	256QAM	1	1	18.56	18.67	18.47	19.5	4.5	
Channel				649334	650000	662334	24.0	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	22.57	22.76	22.58		24.0	
Channel				649334	650000	662668	24.0	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	22.51	22.66	22.52		24.0	
Channel				649200	650000	663000	24.0	0.0	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	22.51	22.71	22.56		24.0	
Channel				648668	650000	663334	24.0	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	22.51	22.74	22.64		24.0	
Channel				648334	650000	663563	24.0	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	22.49	22.65	22.52		24.0	
Channel				648000	650000	664000	24.0	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	22.52	22.73	22.61		24.0	
Channel				647550	650000	664334	24.0	0.0	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	22.59	22.88	22.58		24.0	
Channel				647500	650000	664500	24.0	0.0	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	22.49	22.73	22.59		24.0	
Channel				647334	650000	664668	24.0	0.0	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	22.48	22.67	22.60		24.0	
Channel				647168	650000	664834	24.0	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	22.51	22.71	22.56		24.0	
Channel				647000	650000	665000	24.0	0.0	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	22.53	22.65	22.55		24.0	

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	650000	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				649566	650000	662334	24.0	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	25.50	25.69	25.60		27.0	
Channel				649334	650000	662668	24.0	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	25.60	25.72	25.54		27.0	
Channel				649000	650000	663000	24.0	0.0	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	25.53	25.71	25.55		27.0	
Channel				648668	650000	663334	24.0	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	25.58	25.73	25.55		27.0	
Channel				648334	650000	663568	24.0	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	25.48	25.76	25.54		27.0	
Channel				648000	650000	664000	24.0	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	25.57	25.69	25.54		27.0	
Channel				647550	650000	664334	24.0	0.0	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	25.60	25.65	25.59		27.0	
Channel				647500	650000	664500	24.0	0.0	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	25.54	25.65	25.58		27.0	
Channel				647334	650000	664668	24.0	0.0	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	25.50	25.64	25.63		27.0	
Channel				647168	650000	664834	24.0	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	25.52	25.67	25.62		27.0	
Channel				647000	650000	665000	24.0	0.0	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	25.56	25.64	25.60		27.0	

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		21.69		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		25.63		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		25.68		27.0	0.0	
100	QPSK	135	138		24.69				
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	
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	
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	
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	
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	
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	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)					3715.02	3750	3765.01		
30	QPSK	1	1		23.15	23.19	23.07	24.8	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)					3712.5	3750	3767.5		
25	QPSK	1	1		23.07	23.16	23.12	24.8	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)					3710.01	3750	3760.02		
20	QPSK	1	1		23.09	23.07	23.05	24.8	
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	
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	

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	22.69			
100	QPSK	1	1	23.41	23.43	23.38			
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	19.10	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				648668	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				
100	QPSK	1	137		23.26		24.0	0.0	
100	QPSK	1	271		23.31				
100	QPSK	135	0		22.33		23.0	1.0	
100	QPSK	135	69		23.34		23.0	1.0	
100	QPSK	135	138		22.27				
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	23.06	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	3785.01			
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			
100	QPSK	1	1	26.34	26.34	26.34			
100	QPSK	1	137	26.21	26.21	26.21	27.0	0.0	
100	QPSK	1	271	26.33	26.33	26.33			
100	QPSK	135	0	25.30	25.30	25.30			
100	QPSK	135	69	26.31	26.31	26.31	27.0	1.0	
100	QPSK	135	138	25.24	25.24	25.24			
100	QPSK	270	0	25.30	25.30	25.30			
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		
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		
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		
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		
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		
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		
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	3785.01	27.0		
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		
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		
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		
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		
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	3930			
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				649568	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	26.21	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		23.5		
100	PI/2 BPSK	135	69		23.31		24.0	0.0	0.0
100	PI/2 BPSK	135	138		22.81		23.5		
100	PI/2 BPSK	270	0		22.77				
100	QPSK	1	1		23.35				
100	QPSK	1	137		23.24		24.0	0.0	0.0
100	QPSK	1	271		23.29				
100	QPSK	135	0		22.31		23.0		
100	QPSK	135	69		23.34		24.0		
100	QPSK	135	138		22.28		23.0	1.0	1.0
100	QPSK	270	0		22.33				
100	16QAM	1	1		22.16		23.0		
100	64QAM	1	1		20.60		21.5		
100	256QAM	1	1		11.21		1.5	4.5	
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	3785.01			
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	3787.5			
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	3790.02			
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		26.5		
100	PI/2 BPSK	135	69		26.26		27.0	0.0	0.0
100	PI/2 BPSK	135	138		25.91		26.5		
100	PI/2 BPSK	270	0		25.83				
100	QPSK	1	1		26.32				
100	QPSK	1	137		26.28		27.0	0.0	0.0
100	QPSK	1	271		26.26				
100	QPSK	135	0		25.24		26.0		
100	QPSK	135	69		26.27		27.0		
100	QPSK	135	138		25.26		26.0	1.0	1.0
100	QPSK	270	0		25.25				
100	16QAM	1	1		25.26		26.0		
100	64QAM	1	1		23.55		24.5		
100	256QAM	1	1		22.18		22.5	4.5	
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	3785.01			
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	3787.5			
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	3790.02			
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)				2580.02	2598	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	22.36	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	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	2598	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	2598	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	2598	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	2598	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	2598	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	2674.88		
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	17.68	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	17.66	17.63	18.8	0.0			
Channel				517002	519000	520998					
Frequency (MHz)				2585.01	2595	2604.99	Tune-up limit (dBm)				
30	QPSK	1	1	17.69	17.70	17.70	18.8	0.0			
Channel				516504	519000	521496	Tune-up limit (dBm)				
Frequency (MHz)				2582.52	2595	2607.48	MPR (dB)				
25	QPSK	1	1	17.67	17.71	17.62	18.8	0.0			
Channel				516200	519000	522000	Tune-up limit (dBm)				
Frequency (MHz)				2580	2595	2610	MPR (dB)				
20	QPSK	1	1	17.64	17.70	17.63	18.8	0.0			
Channel				515502	519000	522498	Tune-up limit (dBm)				
Frequency (MHz)				2577.51	2595	2612.49	MPR (dB)				
15	QPSK	1	1	17.71	17.66	17.65	18.8	0.0			
Channel				515204	519000	522996	Tune-up limit (dBm)				
Frequency (MHz)				2575.02	2595	2614.98	MPR (dB)				
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					
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	17.48					
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	17.56	18.8	0.0			
Channel				506200	518598	528996					
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)				
90	QPSK	1	1	17.70	17.71	17.72	18.8	0.0			
Channel				507204	518598	529998	Tune-up limit (dBm)				
Frequency (MHz)				2536.02	2592.99	2649.99	MPR (dB)				
80	QPSK	1	1	17.65	17.67	17.63	18.8	0.0			
Channel				506202	518598	531000	Tune-up limit (dBm)				
Frequency (MHz)				2531.01	2592.99	2655	MPR (dB)				
70	QPSK	1	1	17.65	17.69	17.65	18.8	0.0			
Channel				505200	518598	531996	Tune-up limit (dBm)				
Frequency (MHz)				2526	2592.99	2659.98	MPR (dB)				
60	QPSK	1	1	17.64	17.73	17.72	18.8	0.0			
Channel				504204	518598	532998	Tune-up limit (dBm)				
Frequency (MHz)				2521.02	2592.99	2664.99	MPR (dB)				
50	QPSK	1	1	17.64	17.67	17.64	18.8	0.0			
Channel				503700	518598	533496	Tune-up limit (dBm)				
Frequency (MHz)				2518.5	2592.99	2667.48	MPR (dB)				
45	QPSK	1	1	17.71	17.64	17.70	18.8	0.0			
Channel				503202	518598	534000	Tune-up limit (dBm)				
Frequency (MHz)				2516.01	2592.99	2670	MPR (dB)				
40	QPSK	1	1	17.66	17.67	17.64	18.8	0.0			
Channel				502704	518598	534498	Tune-up limit (dBm)				
Frequency (MHz)				2513.52	2592.99	2672.49	MPR (dB)				
35	QPSK	1	1	17.62	17.73	17.64	18.8	0.0			
Channel				502200	518598	534996	Tune-up limit (dBm)				
Frequency (MHz)				2511	2592.99	2674.98	MPR (dB)				
30	QPSK	1	1	17.71	17.64	17.61	18.8	0.0			
Channel				501702	518598	535500	Tune-up limit (dBm)				
Frequency (MHz)				2508.51	2592.99	2677.5	MPR (dB)				
25	QPSK	1	1	17.65	17.62	17.72	18.8	0.0			
Channel				501204	518598	535998	Tune-up limit (dBm)				
Frequency (MHz)				2506.02	2592.99	2679.99	MPR (dB)				
20	QPSK	1	1	17.72	17.67	17.65	18.8	0.0			
Channel				500700	518598	536496	Tune-up limit (dBm)				
Frequency (MHz)				2503.5	2592.99	2682.48	MPR (dB)				
15	QPSK	1	1	17.68	17.64	17.62	18.8	0.0			
Channel				500202	518598	537000	Tune-up limit (dBm)				
Frequency (MHz)				2501.01	2592.99	2685	MPR (dB)				
10	QPSK	1	1	17.62	17.72	17.70	18.8	0.0			

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	22.66	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				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			
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			
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			
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	20.1	
Channel				649334	650000	660668	20.1	0.0	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1			18.72	18.69	18.75	
Channel				649200	650000	661000	20.1	0.0	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1			18.69	18.76	18.66	
Channel				648668	650000	661334	20.1	0.0	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1			18.73	18.78	18.73	
Channel				648334	650000	661668	20.1	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1			18.67	18.66	18.73	
Channel				648000	650000	662000	20.1	0.0	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1			18.71	18.75	18.71	
Channel				647668	650000	662334	20.1	0.0	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1			18.71	18.77	18.71	
Channel				647500	650000	662500	20.1	0.0	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1			18.72	18.71	18.66	
Channel				647334	650000	662668	20.1	0.0	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1			18.66	18.68	18.73	
Channel				647168	650000	662834	20.1	0.0	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1			18.69	18.69	18.74	
Channel				647000	650000	663000	20.1	0.0	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1			18.71	18.67	18.65	

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				656000	666000	666000	24.8	0.0	
Frequency (MHz)				3750	3840	3830			
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	662000	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	20.36	20.39	21.3	0.0	
Channel				648668	660000	662334	Tune-up limit (dBm)		
Frequency (MHz)				3745.02	3840	3935.01	MPR (dB)		
90	QPSK	1	1	20.33	20.29	20.25	21.3	0.0	
Channel				649334	660000	662668	Tune-up limit (dBm)		
Frequency (MHz)				3740.01	3840	3940.02	MPR (dB)		
80	QPSK	1	1	20.22	20.35	20.29	21.3	0.0	
Channel				649000	660000	663000	Tune-up limit (dBm)		
Frequency (MHz)				3735	3840	3945	MPR (dB)		
70	QPSK	1	1	20.21	20.35	20.29	21.3	0.0	
Channel				648668	660000	663334	Tune-up limit (dBm)		
Frequency (MHz)				3730.02	3840	3950.01	MPR (dB)		
60	QPSK	1	1	20.32	20.25	20.30	21.3	0.0	
Channel				648334	660000	663668	Tune-up limit (dBm)		
Frequency (MHz)				3725.01	3840	3955.02	MPR (dB)		
50	QPSK	1	1	20.24	20.32	20.32	21.3	0.0	
Channel				648000	660000	664000	Tune-up limit (dBm)		
Frequency (MHz)				3720	3840	3960	MPR (dB)		
40	QPSK	1	1	20.28	20.32	20.22	21.3	0.0	
Channel				647668	660000	664334	Tune-up limit (dBm)		
Frequency (MHz)				3715.02	3840	3965.01	MPR (dB)		
30	QPSK	1	1	20.28	20.26	20.26	21.3	0.0	
Channel				647500	660000	664500	Tune-up limit (dBm)		
Frequency (MHz)				3712.5	3840	3967.5	MPR (dB)		
25	QPSK	1	1	20.24	20.32	20.25	21.3	0.0	
Channel				647334	660000	664668	Tune-up limit (dBm)		
Frequency (MHz)				3710.01	3840	3970.02	MPR (dB)		
20	QPSK	1	1	20.32	20.29	20.31	21.3	0.0	
Channel				647168	660000	664834	Tune-up limit (dBm)		
Frequency (MHz)				3707.52	3840	3972.51	MPR (dB)		
15	QPSK	1	1	20.23	20.31	20.28	21.3	0.0	
Channel				647000	660000	665000	Tune-up limit (dBm)		
Frequency (MHz)				3705	3840	3975	MPR (dB)		
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	660000	650000			
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	650000	22.1	0.0			
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	20.86	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	650334	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	650668	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	650334	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	650334	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	650668	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	650000	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	650334	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	650500	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	650668	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	650334	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	650000	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					
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	20.85	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	22.1				
Channel				649000	650000	650334	Tune-up limit (dBm)				
Frequency (MHz)				3735	3750	3765	MPR (dB)				
70	QPSK	1	1		20.84	20.81	22.1				
Channel				648668	650000	650334	Tune-up limit (dBm)				
Frequency (MHz)				3730.02	3750	3770.01	MPR (dB)				
60	QPSK	1	1		20.83	20.76	22.1				
Channel				648334	650000	650668	Tune-up limit (dBm)				
Frequency (MHz)				3725.01	3750	3775.02	MPR (dB)				
50	QPSK	1	1		20.82	20.78	22.1				
Channel				648000	650000	650000	Tune-up limit (dBm)				
Frequency (MHz)				3720	3750	3780	MPR (dB)				
40	QPSK	1	1		20.75	20.81	22.1				
Channel				647668	650000	650334	Tune-up limit (dBm)				
Frequency (MHz)				3715.02	3750	3785.01	MPR (dB)				
30	QPSK	1	1		20.81	20.84	22.1				
Channel				647500	650000	650500	Tune-up limit (dBm)				
Frequency (MHz)				3712.5	3750	3787.5	MPR (dB)				
25	QPSK	1	1		20.74	20.84	22.1				
Channel				647334	650000	650668	Tune-up limit (dBm)				
Frequency (MHz)				3710.01	3750	3790.02	MPR (dB)				
20	QPSK	1	1		20.84	20.76	22.1				
Channel				647168	650000	650334	Tune-up limit (dBm)				
Frequency (MHz)				3707.52	3750	3792.51	MPR (dB)				
15	QPSK	1	1		20.77	20.85	22.1				
Channel				647000	650000	650000	Tune-up limit (dBm)				
Frequency (MHz)				3705	3750	3795	MPR (dB)				
10	QPSK	1	1		20.74	20.82	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	526998	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	2664.99			
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	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		
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	518000	520098		
Frequency (MHz)				2585.01	2590	2600.99	18.8	0.0
30	QPSK	1	1	17.69	17.70	17.70		
Channel				516504	519000	521496	18.8	0.0
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	17.67	17.71	17.62	18.8	0.0
Channel				516200	519000	522000		
Frequency (MHz)				2580	2595	2610	18.8	0.0
20	QPSK	1	1	17.64	17.70	17.63		
Channel				515502	519000	522498	18.8	0.0
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		
Frequency (MHz)				2575.02	2595	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	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	18.8	0.0
100	PI/2 BPSK	135	138	17.62	17.57	17.53		
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	18.8	0.0
100	QPSK	1	271	17.60	17.62	17.63		
100	QPSK	135	0	17.53	17.61	17.52		
100	QPSK	135	69	17.55	17.73	17.58		
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		
100	64QAM	1	1	17.52	17.61	17.53		
100	256QAM	1	1	17.53	17.62	17.61	18.8	0.0
Channel				506200	518598	528998		
Frequency (MHz)				2541	2592.99	2644.98	18.8	0.0
90	QPSK	1	1	17.70	17.71	17.72		
Channel				507204	518598	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				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655	18.8	0.0
70	QPSK	1	1	17.65	17.69	17.65		
Channel				505200	518598	531998	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	518598	532998		
Frequency (MHz)				2621.02	2592.99	2664.99	18.8	0.0
50	QPSK	1	1	17.64	17.67	17.64		
Channel				503700	518598	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	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670	18.8	0.0
40	QPSK	1	1	17.66	17.67	17.64		
Channel				502704	518598	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	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	18.8	0.0
30	QPSK	1	1	17.71	17.64	17.61		
Channel				501702	518598	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	518598	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	518598	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	518598	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 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)
Channel				166800	167300	167800	MPR (dB)
Frequency (MHz)				834	836.5	839	
20	QPSK	1	1	22.71	22.73	22.65	24.0
20	QPSK	50	28	22.65	22.69	22.61	24.0
20	QPSK	100	0	21.67	21.68	21.65	23.0

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)
Channel				164800	166300	167800	MPR (dB)
Frequency (MHz)				824	831.5	839	
20	QPSK	1	1	22.68	22.75	22.71	24.0
20	QPSK	50	28	22.68	22.72	22.70	24.0
20	QPSK	100	0	21.65	21.66	21.63	23.0

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)
Channel				518004	519000	519996	MPR (dB)
Frequency (MHz)				2580.02	2594	2599.98	
40	QPSK	1	1	21.24	21.27	21.22	22.4
40	QPSK	50	28	21.21	21.25	21.06	22.4
40	QPSK	100	0	21.19	21.23	21.18	22.4

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)
Channel				509202	510598	520600	MPR (dB)
Frequency (MHz)				2546.01	2562.86	2640	
100	QPSK	1	1	21.27	21.31	21.28	22.4
100	QPSK	135	69	21.25	21.28	21.24	22.4
100	QPSK	270	0	21.23	21.27	21.25	22.4

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)
Channel				166800	167300	167800	MPR (dB)
Frequency (MHz)				834	836.5	839	
20	QPSK	1	1	19.55	19.68	19.60	20.9
20	QPSK	50	28	19.57	19.66	19.56	20.9
20	QPSK	100	0	19.56	19.64	19.62	20.9

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)
Channel				164800	166300	167800	MPR (dB)
Frequency (MHz)				824	831.5	839	
20	QPSK	1	1	19.64	19.69	19.58	20.9
20	QPSK	50	28	19.67	19.68	19.58	20.9
20	QPSK	100	0	19.67	19.61	19.58	20.9

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)
Channel				509000	507000	509000	MPR (dB)
Frequency (MHz)				2585	2488	2544	
50	QPSK	1	1	15.33	15.37	15.30	16.2
50	QPSK	135	68	15.33	15.35	15.23	16.2
50	QPSK	270	0	15.29	15.33	15.32	16.2

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)
Channel				518004	519000	519996	MPR (dB)
Frequency (MHz)				2590.02	2595	2599.98	
40	QPSK	1	1	15.72	15.81	15.75	17.0
40	QPSK	50	28	15.70	15.77	15.72	17.0
40	QPSK	100	0	15.70	15.73	15.67	17.0

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)
Channel				509202	510598	520600	MPR (dB)
Frequency (MHz)				2546.01	2562.99	2640	
100	QPSK	1	1	15.79	15.83	15.73	17.0
100	QPSK	135	69	15.74	15.80	15.78	17.0
100	QPSK	270	0	15.78	15.79	15.71	17.0

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)
Channel				505500	507000	508000	MPR (dB)
Frequency (MHz)				2525	2535	2545	
50	QPSK	1	1	18.50	18.55	18.53	19.8
50	QPSK	135	68	18.45	18.54	18.44	19.8
50	QPSK	270	0	18.43	18.51	18.49	19.8

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	650000	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				
Frequency (MHz)				3750	3840	3930				
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	QPSK	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	20.78	20.68	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	653334	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	656000	662668	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	656000	663000	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	656000	663334	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	656000	663668	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	656000	664000	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	656000	664500	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	656000	664834	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)		
Frequency (MHz)				3745.02	3750	3755.01	MPR (dB)		
90	QPSK	1	1		20.58	20.69	20.58	22.4	
Channel				649334	650000	650668	Tune-up limit (dBm)		
Frequency (MHz)				3740.01	3750	3760.02	MPR (dB)		
80	QPSK	1	1		20.64	20.62	20.50	22.4	
Channel				649000	650000	651000	Tune-up limit (dBm)		
Frequency (MHz)				3735	3750	3765	MPR (dB)		
70	QPSK	1	1		20.55	20.59	20.55	22.4	
Channel				648668	650000	651334	Tune-up limit (dBm)		
Frequency (MHz)				3730.02	3750	3770.01	MPR (dB)		
60	QPSK	1	1		20.63	20.62	20.55	22.4	
Channel				648334	650000	651668	Tune-up limit (dBm)		
Frequency (MHz)				3725.01	3750	3775.02	MPR (dB)		
50	QPSK	1	1		20.54	20.61	20.62	22.4	
Channel				648000	650000	652000	Tune-up limit (dBm)		
Frequency (MHz)				3720	3750	3780	MPR (dB)		
40	QPSK	1	1		20.66	20.66	20.52	22.4	
Channel				647668	650000	652334	Tune-up limit (dBm)		
Frequency (MHz)				3715.02	3750	3785.01	MPR (dB)		
30	QPSK	1	1		20.68	20.60	20.61	22.4	
Channel				647500	650000	652500	Tune-up limit (dBm)		
Frequency (MHz)				3712.5	3750	3787.5	MPR (dB)		
25	QPSK	1	1		20.55	20.61	20.53	22.4	
Channel				647334	650000	652668	Tune-up limit (dBm)		
Frequency (MHz)				3710.01	3750	3790.02	MPR (dB)		
20	QPSK	1	1		20.55	20.63	20.54	22.4	
Channel				647168	650000	652834	Tune-up limit (dBm)		
Frequency (MHz)				3707.52	3750	3792.51	MPR (dB)		
15	QPSK	1	1		20.55	20.61	20.53	22.4	
Channel				647000	650000	653000	Tune-up limit (dBm)		
Frequency (MHz)				3705	3750	3795	MPR (dB)		
10	QPSK	1	1		20.58	20.59	20.60	22.4	

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		12.7	0.0
100	QPSK	135	0	11.61	11.68	11.63	12.7		
100	QPSK	135	69	11.69	11.74	11.70	12.7		
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 (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	11.49	11.64	11.54	12.7	0.0	
Channel				648334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	11.52	11.62	11.54	12.7	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	11.48	11.60	11.59	12.7	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	11.51	11.59	11.56	12.7	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	11.49	11.56	11.57	12.7	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	11.59	11.58	11.51	12.7	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	11.54	11.54	11.61	12.7	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	11.50	11.55	11.52	12.7	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	11.55	11.56	11.56	12.7	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
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			12.7	0.0
100	QPSK	135	0		11.58		12.7		
100	QPSK	135	69		11.68		12.7		
100	QPSK	135	138		11.63			12.7	0.0
100	QPSK	270	0		11.67				
100	16QAM	1	1		11.68		12.7		
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 (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	11.52	11.60	11.54	12.7	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	11.56	11.62	11.56	12.7	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	11.57	11.58	11.61	12.7	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	11.51	11.57	11.56	12.7	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	11.49	11.60	11.61	12.7	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	11.51	11.61	11.54	12.7	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	11.57	11.62	11.61	12.7	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	11.53	11.56	11.61	12.7	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	11.50	11.62	11.54	12.7	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
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	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				649668	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	516000	516998	19.3	0.0	
Frequency (MHz)				2550.02	2556	2559.98			
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		19.3	
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	516990	520998	19.3	MPR (dB)	
Frequency (MHz)				2585.01	2596	2603.99			
30	QPSK	1	1	18.07	18.02	18.03	19.3	0.0	
Channel				516504	519000	521498	19.3	MPR (dB)	
Frequency (MHz)				2562.52	2596	2607.48			
25	QPSK	1	1	18.02	18.03	18.01	19.3	0.0	
Channel				516200	519000	522000	19.3	MPR (dB)	
Frequency (MHz)				2580	2596	2610			
20	QPSK	1	1	18.05	18.04	18.07	19.3	0.0	
Channel				515502	519000	522498	19.3	MPR (dB)	
Frequency (MHz)				2577.51	2596	2612.49			
15	QPSK	1	1	18.00	18.06	18.05	19.3	0.0	
Channel				516004	519000	522998	19.3	MPR (dB)	
Frequency (MHz)				2575.02	2596	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	516598	526000	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		19.3	
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		19.3	
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	516598	526998	19.3	MPR (dB)	
Frequency (MHz)				2544	2592.99	2644.98			
90	QPSK	1	1	18.04	18.05	17.98	19.3	0.0	
Channel				507204	516598	529998	19.3	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	18.06	18.00	18.02	19.3	0.0	
Channel				506202	516598	531000	19.3	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	18.07	18.09	18.05	19.3	0.0	
Channel				505200	516598	531998	19.3	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	18.04	18.04	18.03	19.3	0.0	
Channel				504204	516598	532998	19.3	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2664.99			
50	QPSK	1	1	18.08	18.11	18.08	19.3	0.0	
Channel				503700	516598	533498	19.3	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	18.00	18.05	17.98	19.3	0.0	
Channel				503202	516598	534000	19.3	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	17.98	18.06	18.06	19.3	0.0	
Channel				502704	516598	534498	19.3	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	17.99	18.03	17.97	19.3	0.0	
Channel				502200	516598	534998	19.3	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	18.05	18.07	18.00	19.3	0.0	
Channel				501702	516598	535500	19.3	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	18.07	18.00	18.01	19.3	0.0	
Channel				501204	516598	535998	19.3	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	18.00	18.10	18.02	19.3	0.0	
Channel				500700	516598	536498	19.3	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	17.99	18.09	18.03	19.3	0.0	
Channel				500202	516598	537000	19.3	MPR (dB)	
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	28	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	28	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			
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			
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			
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			
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			

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				
Channel				508200	518598	528998				Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	16.5			
90	QPSK	1	1	15.21	15.14	15.13	16.5	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
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2531.01	2592.99	2655	16.5			
70	QPSK	1	1	15.12	15.13	15.17	16.5	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
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2664.99	16.5			
50	QPSK	1	1	15.22	15.15	15.19	16.5	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
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2516.01	2592.99	2670	16.5			
40	QPSK	1	1	15.19	15.23	15.19	16.5	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
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2511	2592.99	2674.88	16.5			
30	QPSK	1	1	15.22	15.20	15.17	16.5	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
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506.02	2592.99	2679.89	16.5			
20	QPSK	1	1	15.23	15.12	15.15	16.5	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
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501.01	2592.99	2685	16.5			
10	QPSK	1	1	15.23	15.13	15.16	16.5	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	17.95	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		
	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 %
5.3GHz WLAN	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)	Emission power (dBm)	
			1Mbps	
			Tune-up Limit	
BR / EDR	CH 00	2402	16.21	17.00
	CH 39	2441	16.43	17.00
	CH 76	2480	14.56	15.50