

Default Power for WWAN

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.63	32.31	32.50	33.50	23.63	23.31	23.50	24.50
GPRS 1 Tx slot		32.61	32.29	32.48	33.50	23.61	23.29	23.48	24.50
GPRS 2 Tx slots		30.04	29.55	30.00	31.00	24.04	23.55	24.00	25.00
GPRS 3 Tx slots		28.21	28.15	28.18	29.00	23.95	23.89	23.92	24.74
GPRS 4 Tx slots		26.84	26.62	26.82	27.50	23.84	23.62	23.82	24.50
EDGE 1 Tx slot		26.38	26.23	26.38	27.00	17.38	17.23	17.38	18.00
EDGE 2 Tx slots		25.48	25.23	25.52	26.50	19.48	19.23	19.52	20.50
EDGE 3 Tx slots		23.25	23.18	23.31	24.00	18.99	18.92	19.05	19.74
EDGE 4 Tx slots		21.24	21.25	21.31	22.00	18.24	18.25	18.31	19.00

GSM1900_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		30.27	30.15	30.55	31.00	21.27	21.15	21.55	22.00
GPRS 1 Tx slot		30.26	30.12	30.53	31.00	21.26	21.12	21.53	22.00
GPRS 2 Tx slots		28.31	28.45	28.63	29.00	22.31	22.45	22.63	23.00
GPRS 3 Tx slots		26.49	26.41	26.48	27.50	22.23	22.15	22.22	23.24
GPRS 4 Tx slots		24.44	24.40	24.19	25.50	21.44	21.40	21.19	22.50
EDGE 1 Tx slot		26.23	26.07	26.17	27.00	17.23	17.07	17.17	18.00
EDGE 2 Tx slots		24.11	24.02	23.97	25.00	18.11	18.02	17.97	19.00
EDGE 3 Tx slots		23.21	22.98	22.99	24.00	18.95	18.72	18.73	19.74
EDGE 4 Tx slots		21.03	21.03	21.10	22.00	18.03	18.03	18.10	19.00

Band		WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA IV_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.52	23.58	23.56	24.00	23.38	23.59	23.58	24.00	23.04	23.05	23.03	24.00
3GPP Rel 99	RMC 12.2Kbps	23.53	23.59	23.58	24.00	23.41	23.61	23.60	24.00	23.05	23.06	23.04	24.00
3GPP Rel 6	HSDPA Subtest-1	22.58	22.59	22.59	23.00	22.37	22.62	22.57	23.00	22.07	22.05	22.07	23.00
3GPP Rel 6	HSDPA Subtest-2	22.55	22.59	22.52	23.00	22.41	22.57	22.60	23.00	22.09	22.05	22.10	23.00
3GPP Rel 6	HSDPA Subtest-3	22.07	22.07	22.10	22.50	21.87	22.09	22.06	22.50	21.60	21.59	21.61	22.50
3GPP Rel 6	HSDPA Subtest-4	22.05	22.04	22.08	22.50	21.90	21.70	22.10	22.50	21.61	21.57	21.60	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.41	22.53	22.54	23.00	22.32	22.57	22.49	23.00	22.05	21.87	21.93	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.43	22.42	22.48	23.00	22.40	22.46	22.59	23.00	21.99	21.91	21.92	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.05	22.00	22.05	22.50	21.76	21.93	21.97	22.50	21.49	21.56	21.59	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.93	21.99	21.99	22.50	21.89	21.61	21.99	22.50	21.44	21.44	21.55	22.50
3GPP Rel 6	HSUPA Subtest-1	22.57	22.63	22.62	23.00	22.41	22.62	22.60	23.00	22.10	22.04	22.09	23.00
3GPP Rel 6	HSUPA Subtest-2	20.57	20.61	20.61	21.00	20.42	20.61	20.64	21.00	20.07	20.02	20.09	21.00
3GPP Rel 6	HSUPA Subtest-3	21.54	21.63	21.59	22.00	21.40	21.57	21.64	22.00	21.11	21.06	21.09	22.00
3GPP Rel 6	HSUPA Subtest-4	20.58	20.62	20.64	21.00	20.34	20.59	20.58	21.00	20.07	20.08	20.08	21.00
3GPP Rel 6	HSUPA Subtest-5	22.60	22.62	22.60	23.00	22.40	22.60	22.60	23.00	22.10	22.10	22.00	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.77	20.53	20.77	21.00	20.65	20.60	20.74	21.00	20.43	20.26	20.25	21.00

Band 2_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turnup Init (dB)	MPE (dB)			
Channel												
Frequency (MHz)												
20	QPSK	1	0	18.905	18.905	19.950						
20	QPSK	1	49	22.70	22.68	22.56	24	0				
20	QPSK	1	99	22.70	22.68	22.78						
20	QPSK	50	0	21.80	21.81	21.80						
20	QPSK	50	50	21.84	21.82	21.77	23	1				
20	QPSK	100	0	21.81	21.83	21.88						
20	16QAM	1	0	21.92	20.97	22.40						
20	16QAM	1	49	22.05	21.96	22.11	23	1				
20	16QAM	1	99	22.22	22.14	22.15						
20	16QAM	50	0	20.91	20.91	20.92						
20	16QAM	50	24	20.95	20.93	20.76	22	2				
20	16QAM	50	50	20.93	20.93	20.95						
20	16QAM	100	0	20.74	20.92	20.75						
20	64QAM	1	0	20.91	21.11	21.06						
20	64QAM	1	49	21.15	21.14	21.24	22	2				
20	64QAM	1	99	21.10	21.10	21.02						
20	64QAM	50	0	20.12	19.79	19.90						
20	64QAM	50	24	20.20	19.81	19.98	21	3				
20	64QAM	50	50	19.99	19.76	19.76						
20	64QAM	100	0	20.19	19.89	19.89						
20	256QAM	1	0	17.86	17.82	17.71						
20	256QAM	1	49	17.88	17.76	17.68	19	5				
20	256QAM	1	99	17.81	17.81	17.72						
20	256QAM	50	0	17.79	17.63	17.77						
20	256QAM	50	24	17.60	17.65	17.76	19	5				
20	256QAM	50	50	17.63	17.77	17.87						
20	256QAM	100	0	17.77	17.66	17.67						
Channel												
Frequency (MHz)												
15	QPSK	1	0	18.905	18.905	19.950						
15	QPSK	1	24	22.93	22.72	22.78						
15	QPSK	1	37	22.75	22.67	22.72	24	0				
15	QPSK	1	74	22.52	22.48	22.63						
15	QPSK	36	0	22.01	21.94	21.92						
15	QPSK	36	24	21.76	21.63	21.73	23	1				
15	QPSK	36	39	21.93	21.79	21.83						
15	QPSK	75	0	21.75	21.82	21.88						
15	16QAM	1	0	21.08	21.40	21.34						
15	16QAM	1	37	22.00	22.06	21.96	23	1				
15	16QAM	1	74	22.17	22.21	22.20						
15	16QAM	36	0	20.86	20.94	20.86						
15	16QAM	36	20	20.90	20.72	20.75	22	2				
15	16QAM	36	39	20.93	20.91	20.72						
15	16QAM	75	0	20.82	21.11	21.05						
15	64QAM	1	0	20.82	21.11	21.16	22	2				
15	64QAM	1	37	21.21	21.01	21.16						
15	64QAM	1	74	20.98	20.98	20.91						
15	64QAM	36	0	19.94	19.72	19.73	21	3				
15	64QAM	36	20	20.95	19.92	19.78						
15	64QAM	36	39	19.99	19.82	19.61						
15	64QAM	75	0	20.24	19.87	19.85						
15	256QAM	1	0	17.84	17.94	17.89						
15	256QAM	1	37	17.78	17.77	17.72	19	5				
15	256QAM	1	74	17.86	17.85	17.88						
15	256QAM	36	0	17.79	17.69	17.63						
15	256QAM	36	20	17.90	17.78	17.68	19	5				
15	256QAM	36	39	17.80	17.80	17.80						
15	256QAM	75	0	17.88	17.77	17.68						
Channel												
Frequency (MHz)												
10	QPSK	1	0	18.905	18.905	19.950						
10	QPSK	1	24	22.95	22.82	22.78						
10	QPSK	1	26	22.57	22.59	22.73	24	0				
10	QPSK	1	49	22.65	22.48	22.49						
10	QPSK	25	0	21.89	21.76	21.69						
10	QPSK	25	12	21.98	21.62	21.64	23	1				
10	QPSK	25	25	21.81	21.76	21.60						
10	16QAM	1	0	21.81	21.85	21.83						
10	16QAM	1	12	22.03	22.27	22.24						
10	16QAM	1	25	22.01	21.80	22.19	23	1				
10	16QAM	1	49	22.26	22.03	22.08						
10	16QAM	25	0	20.76	20.93	20.88						
10	16QAM	25	12	21.00	20.88	20.81	22	2				
10	16QAM	25	25	20.76	20.76	20.74						
10	16QAM	50	0	20.88	20.80	20.81						
10	64QAM	1	0	20.95	21.07	21.10						
10	64QAM	1	25	21.22	21.08	21.10	22	2				
10	64QAM	1	49	21.10	21.14	20.95						
10	64QAM	25	0	20.95	19.73	19.70						
10	64QAM	25	12	20.97	19.67	19.78	21	3				
10	64QAM	25	25	19.92	19.85	19.88						
10	64QAM	50	0	20.04	19.86	19.63						
10	256QAM	1	0	17.83	17.84	17.87						
10	256QAM	1	25	17.89	17.68	17.68	19	5				
10	256QAM	1	49	18.02	17.72	17.68						
10	256QAM	25	0	17.58	17.57	17.74						
10	256QAM	25	12	17.67	17.66	17.74	19	5				
10	256QAM	25	25	17.62	17.66	17.74						
10	256QAM	50	0	17.70	17.63	17.63						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.93	22.91	22.78						
5	QPSK	1	12	22.53	22.58	22.72	24	0				
5	QPSK	1	24	22.51	22.77	22.70						
5	QPSK	12	0	21.84	21.87	21.70						
5	QPSK	12	7	21.91	21.76	21.76	23	1				
5	QPSK	12	14	21.93	21.78	21.84						
5	QPSK	25	0	21.84	21.66	21.70						
5	16QAM	1	0	22.01	22.38	22.21						
5	16QAM	1	12	21.92	21.93	22.13	23	1				
5	16QAM	1	24	22.12	22.17	22.20						
5	16QAM	12	0	20.98	20.74	20.83						
5	16QAM	12	7	20.87	20.60	20.61	22	2				
5	16QAM	12	14	20.84	20.69	20.84						
5	16QAM	25	0	20.77	20.63	20.58						
5	64QAM	1	0	21.09	21.12	21.17	22	2				
5	64QAM	1	12	21.09	21.12	21.17						
5	64QAM	1	24	21.11	21.17	20.87						
5	64QAM	12	0	20.16	19.85	19.85						
5	64QAM	12	7	19.95	19.77	19.92	21	3				
5	64QAM	12	14	19.95	19.77	19.61						
5	64QAM	25	0	19.99	19.68	19.69						
5	256QAM	1	0	17.77	17.77	17.71						
5	256QAM	1	12	17.91	17.60	17.65	19	5				
5	256QAM	1	24	17.84	17.91	17.85						
5	256QAM	12	0	17.81	17.80	17.88						
5	256QAM	12	7	17.58	17.53	17.64	19	5				
5	256QAM	12	14	17.64	17.53	17.75						
5	256QAM	25	0	17.63	17.71	17.64						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.91	22.91	22.95						
3	QPSK	1	3	22.74	22.70	22.72	24	0				
3	QPSK	1	6	22.65	22.64	22.67						
3	QPSK	1	14	22.51	22.74	22.71						
3	QPSK	3	1	22.77	22.83	22.80						
3	QPSK	3	3	22.72	22.80	22.98	23	1				
3	16QAM	1	0	21.92	22.22	22.41						
3	16QAM	1	3	22.06	21.96	21.98						
3	16QAM	1	6	22.27	22.17	22.19	23	1				
3	16QAM	3	1	21.92	21.82	21.86						
3	16QAM	3	3	21.86	21.62	21.62	23	1				
3	16QAM	15	0	20.71	20.96	20.92						
3	16QAM	15	3	20.85	21.18	20.92						
3	16QAM	15	6	20.98	21.16	21.02	22	2				
3	16QAM	15	9	21.21	21.16	21.06						
3	16QAM	30	0	20.16	19.72	19.73						
3	16QAM	30	3	20.28	19.77	19.79	21	3				
3	16QAM	30	6	20.06	19.75	19.78						
3	16QAM	15	0	20.02	19.81	19.90						
3	256QAM	1	0	17.76	17.96	17.99						
3	256QAM	1	3	17.81	17.61	17.61	19	5				
3	256QAM	1	6	17.85	17.78	17.89						
3	256QAM	1	9	17.86	17.73	17.67						
3	256QAM	30	0	17.46	17.68	17.67						
3	256QAM	30	3	17.57</								

Band 17_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tuneup (dBm)	MFR (dB)				
Channel												
Frequency (MHz)				21870	710	21810						
10	QPSK	1	0	22.55	22.63	22.61	24	0				
10	QPSK	1	25	22.61	22.62	22.62						
10	QPSK	48	0	22.65	22.60	22.68						
10	QPSK	25	0	22.76	22.67	22.74						
10	QPSK	25	12	22.12	22.12	22.20	23	1				
10	QPSK	25	25	22.15	22.24	22.12						
10	QPSK	50	0	22.17	22.23	22.20						
10	HQDM	1	0	22.35	22.36	22.70						
10	HQDM	1	25	22.43	22.35	22.53	23	1				
10	HQDM	1	48	22.43	22.29	22.70						
10	HQDM	25	0	21.35	21.42	21.37						
10	HQDM	25	12	21.32	21.22	21.28						
10	HQDM	25	25	21.10	21.24	21.14	22	2				
10	HQDM	50	0	21.28	21.20	21.23						
10	HQDM	1	0	21.52	21.38	21.36						
10	HQDM	1	25	21.74	21.54	21.33						
10	HQDM	1	48	21.47	21.51	21.40	21	3				
10	HQDM	25	0	20.27	20.22	20.38						
10	HQDM	25	12	20.44	20.28	20.35						
10	HQDM	25	25	20.35	20.18	20.27						
10	HQDM	50	0	20.38	20.32	20.28	19	5				
10	SSBDM	1	0	17.68	17.71	17.80						
10	SSBDM	1	25	17.88	17.77	17.85						
10	SSBDM	1	48	17.88	17.70	17.79						
10	SSBDM	25	0	17.70	17.71	17.86	19	5				
10	SSBDM	25	12	17.86	17.67	17.94						
10	SSBDM	25	25	17.73	17.65	17.74						
10	SSBDM	50	0	17.65	17.55	17.74						
Channel												
Frequency (MHz)				21875 <th>710</th> <th>21825</th> <th></th> <th></th> <th></th>	710	21825						
5	QPSK	1	0	22.87	22.96	23.00	24	0				
5	QPSK	1	12	22.88	22.77	22.80						
5	QPSK	1	24	22.84	22.89	23.01						
5	QPSK	12	0	22.28	22.28	22.18						
5	QPSK	12	7	22.30	22.07	22.11	23	1				
5	QPSK	12	13	22.39	22.20	22.27						
5	QPSK	25	0	22.39	22.09	22.29						
5	HQDM	1	0	22.47	22.46	22.56						
5	HQDM	1	12	22.45	22.42	22.43	23	1				
5	HQDM	1	24	22.47	22.22	22.52						
5	HQDM	12	0	21.37	21.14	21.44						
5	HQDM	12	7	21.38	21.08	21.25						
5	HQDM	12	13	21.27	21.09	21.06	22	2				
5	HQDM	25	0	21.13	21.10	21.19						
5	HQDM	1	0	21.38	21.28	21.35						
5	HQDM	1	12	21.74	21.57	21.30						
5	HQDM	1	24	21.50	21.40	21.42	21	3				
5	HQDM	12	0	20.35	20.20	20.44						
5	HQDM	12	7	20.35	20.05	20.44						
5	HQDM	12	13	20.14	20.15	20.22						
5	HQDM	25	0	20.35	20.32	20.33	19	5				
5	SSBDM	1	0	17.79	17.65	17.68						
5	SSBDM	1	12	17.83	17.63	17.80						
5	SSBDM	1	24	17.77	17.78	17.87						
5	SSBDM	12	0	17.69	17.62	17.72	19	5				
5	SSBDM	12	7	17.84	17.59	17.88						
5	SSBDM	12	13	17.57	17.53	17.71						
5	SSBDM	25	0	17.57	17.62	17.72						

Band 26_Ant 0												
BW (MHz)	Modulation	RB Box	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tuneup (mHz)	MFR (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.65	22.65	22.65	24	0				
15	QPSK	1	37	22.63	22.72	22.70						
15	QPSK	1	74	22.62	22.71	22.71						
15	QPSK	36	0	21.91	21.91	21.95						
15	QPSK	36	20	21.79	21.87	21.82	23	1				
15	QPSK	36	36	21.76	21.83	21.83						
15	QPSK	25	0	21.78	21.87	21.86						
15	HQDM	1	0	22.01	22.33	22.06						
15	HQDM	1	37	22.24	21.95	21.99	23	1				
15	HQDM	1	74	22.23	22.21	21.91						
15	HQDM	36	0	20.78	20.87	20.88						
15	HQDM	36	20	20.93	20.94	20.91						
15	HQDM	36	36	20.95	20.99	20.90	22	2				
15	HQDM	75	0	20.84	20.90	21.01						
15	HQDM	1	0	20.89	20.93	20.95						
15	HQDM	1	37	21.02	20.98	20.97						
15	HQDM	1	74	21.05	21.00	20.96	21	3				
15	HQDM	36	0	19.83	19.86	20.03						
15	HQDM	36	20	19.85	19.87	19.95						
15	HQDM	36	36	20.05	20.01	19.99						
15	HQDM	75	0	19.92	19.86	19.88	19	5				
15	SSBDM	1	0	17.71	17.68	17.73						
15	SSBDM	1	37	17.83	17.67	17.69						
15	SSBDM	1	74	17.78	17.78	17.76						
15	SSBDM	36	0	17.54	17.50	17.65	19	5				
15	SSBDM	36	20	17.62	17.65	17.72						
15	SSBDM	36	36	17.61	17.58	17.67						
15	SSBDM	75	0	17.60	17.55	17.67						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.56	22.63	22.65	24	0				
10	QPSK	1	24	22.52	22.77	22.84						
10	QPSK	1	48	22.54	22.68	22.67						
10	QPSK	25	0	21.63	21.69	21.75						
10	QPSK	25	12	21.78	22.01	21.82	23	1				
10	QPSK	25	25	21.98	21.84	21.85						
10	QPSK	50	0	21.79	21.92	21.96						
10	HQDM	1	0	21.98	22.00	21.86						
10	HQDM	1	25	22.24	21.81	22.05	23	1				
10	HQDM	1	48	22.22	22.09	21.89						
10	HQDM	25	0	20.81	20.73	20.87						
10	HQDM	25	12	20.97	21.03	20.94						
10	HQDM	25	25	20.89	20.86	20.86	22	2				
10	HQDM	50	0	20.74	20.90	21.09						
10	HQDM	1	0	20.74	20.98	20.95						
10	HQDM	1	25	21.08	21.04	21.03						
10	HQDM	1	48	21.03	21.07	20.99	21	3				
10	HQDM	25	0	19.73	19.74	19.91						
10	HQDM	25	12	19.87	20.07	20.02						
10	HQDM	25	25	19.93	19.96	19.93						
10	HQDM	50	0	19.85	19.84	19.91	19	5				
10	SSBDM	1	0	17.73	17.47	17.76						
10	SSBDM	1	25	17.85	17.69	17.72						
10	SSBDM	1	48	17.78	17.63	17.65						
10	SSBDM	25	0	17.40	17.70	17.64	19	5				
10	SSBDM	25	12	17.51	17.53	17.62						
10	SSBDM	25	25	17.58	17.58	17.65						
10	SSBDM	50	0	17.47	17.42	17.67						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.43	22.65	22.76	24	0				
5	QPSK	1	12	22.69	22.72	22.79						
5	QPSK	1	24	22.47	22.69	22.70						
5	QPSK	12	0	21.68	21.68	21.75						
5	QPSK	12	7	21.90	21.92	21.84	23	1				
5	QPSK	12	19	21.77	21.83	21.82						
5	QPSK	12	24	21.71	21.81	21.81						
5	HQDM	1	0	22.00	22.27	22.03						
5	HQDM	1	12	22.27	21.83	21.88	23	1				
5	HQDM	1	24	22.28	21.99	21.89						
5	HQDM	12	0	20.82	20.94	20.91						
5	HQDM	12	7	20.80	20.81	20.93						
5	HQDM	12	19	20.87	20.87	20.96	22	2				
5	HQDM	24	0	20.69	20.91	20.94						
5	HQDM	1	0	20.96	20.94	20.99						
5	HQDM	1	12	21.01	21.01	21.07						
5	HQDM	1	24	20.95	20.89	20.95	22	2				
5	HQDM	12	0	19.81	19.88	20.06						
5	HQDM	12	7	19.84	19.89	20.00						
5	HQDM	12	19	20.04	20.00	20.07						
5	HQDM	24	0	19.99	19.91	19.94	21	3				
5	SSBDM	1	0	17.70	17.43	17.76						
5	SSBDM	1	12	17.70	17.63	17.68						
5	SSBDM	1	24	17.66	17.73	17.64						
5	SSBDM	12	0	17.52	17.52	17.61	19	5				
5	SSBDM	12	7	17.57	17.57	17.65						
5	SSBDM	12	19	17.67	17.59	17.68						
5	SSBDM	24	0	17.47	17.50	17.68						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.65	22.65	22.65	24	0				
3	QPSK	1	6	22.62	22.62	22.73						
3	QPSK	1	12	22.64	22.74	22.74						
3	QPSK	1	18	22.67	22.62	22.65						
3	QPSK	8	0	21.59	21.83	21.88	23	1				
3	QPSK	8	6	21.56	21.82	21.87						
3	QPSK	8	12	21.63	21.88	21.78						
3	QPSK	15	0	21.75	21.79	21.88						
3	HQDM	1	0	22.21	21.87	21.91	23	1				
3	HQDM	1	6	22.12	21.96	21.91						
3	HQDM	1	14	22.22	22.18	21.78						
3	HQDM	8	0	20.85	20.86	20.98						
3	HQDM	8	6	20.93	20.96	20.75	22	2				
3	HQDM	8	12	20.94	20.87	20.85						
3	HQDM	15	0	20.78	20.78	20.87						
3	HQDM	1	0	20.89	20.94	21.02						
3	HQDM	1	6	20.97	21.00	21.01	22	2				
3	HQDM	1	12	21.01	21.01	21.06						
3	HQDM	8	6	19.92	19.90	20.11						
3	HQDM	8	14	19.83	19.94	19.84						
3	HQDM	15	0	19.85	19.85	19.95	21	3				
3	HQDM	15	6	19.80	19.91	19.98						
3	SSBDM	1	0	17.81	17.54	17.79						
3	SSBDM	1	6	17.71	17.67	17.71						
3	SSBDM	1	14	17.73	17.81	17.67	19	5				
3	SSBDM	8	0	17.59	17.63	17.68						
3	SSBDM	8	6	17.43	17.43	17.58						
3	SSBDM	8	12	17.62	17.66	17.70						
3	SSBDM	15	0	17.60	17.66	17.75	19	5				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.64	22.72	22.55				24	0	
1.4	QPSK	1	3	22.64	22.73	22.61						
1.4	QPSK	1	6	22.63	22.78	22.68						
1.4	QPSK	3	0	22.63	22.67	22.68						
1.4	QPSK	3	3	22.63	22.67	22.72	23	1				
1.4	QPSK	3	6	22.62	22.69	22.64						
1.4	QPSK	6	0	22.67	22.68	22.73						
1.4	QPSK	6	3	22.67	21.74	21.74						
1.4	HQDM	1	0	21.92	22.25	21.91	23	1				
1.4	HQDM	1	3	21.87	22.18	21.87						
1.4	HQDM	1	6	22.24	22.15	21.98						
1.4	HQDM	3	0	21.43	21.63	21.60						
1.4	HQDM	3	3	21.64	21.64	21.64	22	2				
1.4	HQDM	3	6	21.62	21.68	21.69						
1.4	HQDM	6	0	20.72	20.77	20.96						
1.4	HQDM	6	3	20.76	21.02	20.85						
1.4	HQDM	6	6	20.87	21.01	20.98	21	3				
1.4	HQDM	1	0	20.99	21.08	20.78						
1.4	HQDM	1	3	20.81	20.81	20.91						
1.4	HQDM	3	0	20.60	20.81	20.77						
1.4	HQDM	3	3	20.85	20.76	20.67	21	3				
1.4	HQDM	6	0	19.84	19.93	19.97						
1.4	SSBDM	1	0	17.82	17.52	17.81						
1.4	SSBDM	1	3	17.68	17.75	17.69						
1.4	SSBDM	1	6	17.88	17.69	17.74	19	5				
1.4	SSBDM	3	0	17.45	17.48	17.74						
1.4	SSBDM	3	3	17.52	17.42	17.62						
1.4	SSBDM	3	6	17.55	17.46	17.58						
1.4	SSBDM	6	0	17.55	17.46	17.58	19	5				
1.4	SSBDM	6	3	17.55	17.46	17.58						
1.4	SSBDM	6	6	17.58	17.48	17.59						
1.4	SSBDM	15	0	17.58	17.48	17.59						

Band 38_Ant 1									
BW [MHz]	Modulatio n	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	23.08	23.17	23.12	24	0	
20	QPSK	1	49	22.83	22.82	22.95			
20	QPSK	1	99	22.93	22.73	22.74			
20	QPSK	50	0	21.98	22.02	21.98	23	1	
20	QPSK	50	24	21.86	21.96	21.98			
20	QPSK	50	50	21.94	21.97	21.95			
20	QPSK	100	0	21.91	21.96	21.95	23	1	
20	16QAM	1	0	21.82	21.89	21.71			
20	16QAM	1	49	21.69	21.73	21.86			
20	16QAM	1	99	21.74	21.82	21.80	22	2	
20	16QAM	50	0	20.80	20.55	20.70			
20	16QAM	50	24	20.78	20.73	20.77			
20	16QAM	50	50	20.70	20.74	20.74	22	2	
20	16QAM	100	0	20.70	20.73	20.78			
20	64QAM	1	0	20.28	20.18	20.35			
20	64QAM	1	49	20.38	20.38	20.45	22	2	
20	64QAM	1	99	20.41	20.33	20.33			
20	64QAM	50	0	19.65	19.55	19.65			
20	64QAM	50	24	19.73	19.73	19.85	21	3	
20	64QAM	50	50	19.73	19.76	19.96			
20	64QAM	100	0	19.64	19.67	19.65			
20	256QAM	1	0	17.73	17.48	17.64	19	5	
20	256QAM	1	49	17.46	17.21	17.44			
20	256QAM	1	99	17.50	17.65	17.41			
20	256QAM	50	0	17.62	17.52	17.47	19	5	
20	256QAM	50	24	17.60	17.48	17.43			
20	256QAM	50	50	17.50	17.59	17.44			
20	256QAM	100	0	17.95	17.39	17.48			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.97	22.72	22.66	24	0	
15	QPSK	1	37	22.84	22.91	22.95			
15	QPSK	1	74	22.52	22.89	23.13			
15	QPSK	1	111	21.86	22.95	23.01	23	1	
15	QPSK	36	20	21.89	22.05	22.01			
15	QPSK	36	39	22.09	22.02	21.98			
15	QPSK	75	0	22.06	21.99	21.86	23	1	
15	16QAM	1	0	21.61	21.63	21.79			
15	16QAM	1	37	21.70	21.65	21.83			
15	16QAM	1	74	21.78	21.81	21.81	22	2	
15	16QAM	36	0	20.50	20.36	20.74			
15	16QAM	36	20	20.80	20.72	20.63			
15	16QAM	36	39	20.70	20.67	20.75	22	2	
15	16QAM	75	0	20.58	20.78	20.87			
15	64QAM	1	0	20.16	20.24	20.40			
15	64QAM	1	37	20.27	20.35	20.39	22	2	
15	64QAM	1	74	20.41	20.18	20.53			
15	64QAM	36	0	19.65	19.68	19.67			
15	64QAM	36	20	19.78	19.78	19.88	21	3	
15	64QAM	36	39	19.69	19.64	19.84			
15	64QAM	75	0	19.58	19.68	19.56			
15	256QAM	1	0	17.69	17.39	17.50	19	5	
15	256QAM	1	37	17.41	17.46	17.12			
15	256QAM	1	74	17.57	17.34	17.32			
15	256QAM	1	111	17.74	17.54	17.47	19	5	
15	256QAM	36	20	17.73	17.50	17.61			
15	256QAM	36	39	17.56	17.61	17.23			
15	256QAM	75	0	17.63	17.52	17.68			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.90	22.73	22.68	24	0	
10	QPSK	1	25	22.77	22.77	23.00			
10	QPSK	1	49	22.88	22.91	22.99			
10	QPSK	25	0	21.89	22.95	21.92	23	1	
10	QPSK	25	12	21.85	22.07	22.04			
10	QPSK	25	25	22.05	21.97	22.17			
10	QPSK	50	0	21.90	22.04	21.97	23	1	
10	16QAM	1	0	21.63	21.65	21.68			
10	16QAM	1	25	21.70	21.62	21.84			
10	16QAM	1	49	21.83	21.68	21.88	22	2	
10	16QAM	25	0	20.45	20.59	20.56			
10	16QAM	25	12	20.87	20.64	20.83			
10	16QAM	25	25	20.70	20.78	20.72	22	2	
10	16QAM	50	0	20.59	20.71	20.80			
10	64QAM	1	0	20.16	20.23	20.37			
10	64QAM	1	25	20.23	20.46	20.54	22	2	
10	64QAM	1	49	20.26	20.20	20.42			
10	64QAM	25	0	19.65	19.59	19.53	21	3	
10	64QAM	25	12	19.80	19.83	19.85			
10	64QAM	25	25	19.85	19.66	19.94			
10	64QAM	50	0	19.63	19.77	19.62	19	5	
10	256QAM	1	0	17.71	17.40	17.61			
10	256QAM	1	25	17.44	17.27	17.28			
10	256QAM	1	49	17.68	17.47	17.41	19	5	
10	256QAM	25	0	17.46	17.65	17.41			
10	256QAM	25	12	17.79	17.62	17.58			
10	256QAM	25	25	17.56	17.41	17.12	19	5	
10	256QAM	50	0	17.73	17.37	17.49			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.96	22.72	22.77	24	0	
5	QPSK	1	12	22.91	22.79	23.02			
5	QPSK	1	24	23.02	22.86	23.12			
5	QPSK	12	0	22.10	22.90	22.04	23	1	
5	QPSK	12	7	21.93	21.95	22.02			
5	QPSK	12	13	22.06	21.95	22.13			
5	QPSK	25	0	22.01	21.96	21.92	23	1	
5	16QAM	1	0	21.55	21.72	21.78			
5	16QAM	1	12	21.59	21.67	21.94			
5	16QAM	1	24	21.68	21.91	21.88	22	2	
5	16QAM	12	0	20.59	20.58	20.75			
5	16QAM	12	7	20.68	20.79	20.84			
5	16QAM	12	13	20.79	20.77	20.82	22	2	
5	16QAM	25	0	20.74	20.77	20.86			
5	64QAM	1	0	20.17	20.04	20.22			
5	64QAM	1	12	20.36	20.35	20.46	22	2	
5	64QAM	1	24	20.42	20.40	20.42			
5	64QAM	12	0	19.65	19.51	19.52			
5	64QAM	12	7	19.67	19.72	19.75	21	3	
5	64QAM	12	13	19.72	19.72	19.88			
5	64QAM	25	0	19.59	19.69	19.72			
5	256QAM	1	0	17.55	17.47	17.62	19	5	
5	256QAM	1	12	17.47	17.39	17.14			
5	256QAM	1	24	17.53	17.58	17.29			
5	256QAM	12	0	17.43	17.59	17.46	19	5	
5	256QAM	12	7	17.69	17.60	17.35			
5	256QAM	12	13	17.76	17.57	17.10			
5	256QAM	25	0	17.74	17.55	17.52			

Band 41_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.26	23.19	23.31	23.25	23.36	24	0
20	QPSK	1	49	23.19	23.17	23.14	23.15	23.21		
20	QPSK	1	99	23.24	23.16	23.27	23.21	23.35	23	1
20	QPSK	50	0	22.21	22.18	22.25	22.25	22.31		
20	QPSK	50	24	22.23	22.16	22.18	22.26	22.30	22	2
20	QPSK	50	50	22.14	22.21	22.21	22.16	22.08		
20	QPSK	100	0	22.15	22.12	22.23	22.27	22.29	21	3
20	16QAM	1	0	21.88	22.03	22.02	22.16	22.37		
20	16QAM	1	49	22.04	21.97	21.97	22.12	22.08	20	5
20	16QAM	1	99	22.16	21.96	21.96	22.15	22.14		
20	16QAM	50	0	21.01	21.01	21.03	21.15	20.99	19	5
20	16QAM	50	24	20.98	21.29	20.85	21.10	21.22		
20	16QAM	50	50	20.98	21.21	20.85	21.13	21.14	22	2
20	16QAM	100	0	21.30	21.40	20.87	21.13	21.04		
20	64QAM	1	0	20.52	20.46	20.78	20.63	20.76	22	2
20	64QAM	1	49	20.49	20.63	20.86	20.57	20.86		
20	64QAM	1	99	20.56	20.58	20.58	20.80	20.71	21	3
20	64QAM	50	0	20.14	19.93	20.10	20.08	19.98		
20	64QAM	50	24	20.24	20.00	19.96	20.16	20.18	19	5
20	64QAM	50	50	20.02	19.98	20.08	20.11	20.32		
20	256QAM	1	0	19.84	19.96	20.03	20.09	20.14	24	0
20	256QAM	1	49	17.58	17.56	17.69	17.52	17.39		
20	256QAM	1	99	17.66	17.58	17.46	17.46	17.54	23	1
20	256QAM	50	0	17.70	17.66	17.62	17.65	17.81		
20	256QAM	50	24	17.82	17.74	17.60	17.61	17.82	19	5
20	256QAM	50	50	17.77	17.58	17.36	17.58	17.71		
20	256QAM	100	0	17.89	17.62	17.62	17.63	17.71		
Channel				39725	40173	40620	41088	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.03	23.07	23.15	23.11	23.25	24	0
15	QPSK	1	37	23.15	23.16	23.03	23.15	23.16		
15	QPSK	1	74	23.25	23.03	23.17	23.26	23.17	23	1
15	QPSK	36	0	22.23	22.19	21.95	22.17	22.39		
15	QPSK	36	20	22.37	22.21	22.11	22.19	22.26	22	2
15	QPSK	36	39	22.16	22.26	22.04	22.32	22.40		
15	QPSK	75	0	22.39	22.21	22.05	22.33	22.32	21	3
15	16QAM	1	0	21.87	21.95	21.88	22.15	22.22		
15	16QAM	1	37	21.86	21.86	21.95	22.22	22.28	20	5
15	16QAM	1	74	22.11	21.88	21.89	22.21	21.97		
15	16QAM	36	0	20.96	20.84	20.99	21.08	20.98	23	1
15	16QAM	36	20	20.89	21.11	20.85	21.12	21.08		
15	16QAM	36	39	20.99	21.07	20.84	21.08	21.12	22	2
15	16QAM	75	0	21.15	20.90	20.82	21.02	20.98		
15	64QAM	1	0	20.41	20.34	20.66	20.46	20.31	22	2
15	64QAM	1	37	20.31	20.48	20.68	20.41	20.72		
15	64QAM	1	74	20.39	20.47	20.49	20.71	20.66	21	3
15	64QAM	36	0	19.96	19.92	20.04	19.94	19.93		
15	64QAM	36	20	20.12	19.93	19.88	20.01	20.16	19	5
15	64QAM	36	39	19.97	19.87	19.94	20.11	20.18		
15	64QAM	75	0	19.51	19.81	19.86	19.93	20.10	24	0
15	256QAM	1	0	17.52	17.53	17.59	17.38	17.35		
15	256QAM	1	37	17.55	17.41	17.27	17.34	17.49	23	1
15	256QAM	1	74	17.48	17.60	17.18	17.48	17.34		
15	256QAM	36	0	17.67	17.64	17.59	17.51	17.80	22	2
15	256QAM	36	20	17.74	17.74	17.54	17.61	17.82		
15	256QAM	36	39	17.62	17.33	17.45	17.67		19	5
15	256QAM	75	0	17.58	17.59	17.44	17.53	17.67		
Channel				39673	40160	40620	41088	41503		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.92	22.93	23.09	23.11	23.26	24	0
10	QPSK	1	25	23.29	23.10	23.05	23.05	23.24		
10	QPSK	1	49	23.05	23.08	23.30	23.25	23.21	23	1
10	QPSK	25	0	22.13	22.27	22.16	22.27	22.41		
10	QPSK	25	12	22.38	22.19	22.16	22.30	22.32	22	2
10	QPSK	25	25	22.30	22.25	22.02	22.14	22.26		
10	QPSK	50	0	22.23	22.12	22.34	22.05	22.18	21	3
10	16QAM	1	0	21.91	21.94	21.82	21.99	22.05		
10	16QAM	1	25	22.01	21.92	21.71	22.02	22.07	19	5
10	16QAM	1	49	21.91	22.01	21.92	22.21	22.18		
10	16QAM	25	0	21.03	20.93	20.92	21.10	20.98	24	0
10	16QAM	25	12	21.05	21.01	20.75	21.04	21.03		
10	16QAM	25	25	21.13	20.94	20.99	21.04	21.12	23	1
10	64QAM	50	0	20.99	20.76	20.78	21.18	20.94		
10	64QAM	1	0	20.41	20.37	20.60	20.66	20.74	22	2
10	64QAM	1	25	20.41	20.52	20.69	20.53	20.71		
10	64QAM	1	49	20.35	20.49	20.59	20.82	20.57	21	3
10	64QAM	25	0	19.92	19.83	19.89	19.96	20.17		
10	64QAM	25	12	20.02	20.04	19.83	20.21	20.15	19	5
10	64QAM	25	25	20.01	20.91	20.83	20.13	20.22		
10	64QAM	50	0	19.88	19.92	19.76	20.02	20.04	24	0
10	256QAM	1	0	17.51	17.40	17.48	17.27	17.42		
10	256QAM	1	25	17.68	17.34	17.37	17.29	17.39	23	1
10	256QAM	1	49	17.58	17.69	17.30	17.42	17.30		
10	256QAM	25	0	17.67	17.82	17.70	17.60	17.76	19	5
10	256QAM	25	12	17.72	17.64	17.54	17.52	17.76		
10	256QAM	25	25	17.66	17.45	17.43	17.51	17.32	24	0
10	256QAM	50	0	17.47	17.64	17.52	17.31	17.48		
Channel				39673	40148	40620	41093	41565		
Frequency (MHz)				2495.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.95	22.95	23.03	23.20	23.16	24	0
5	QPSK	1	12	23.10	23.18	23.00	23.05	23.32		
5	QPSK	1	24	23.25	23.13	23.25	23.28	23.31	23	1
5	QPSK	12	0	22.25	22.16	22.02	22.34	22.42		
5	QPSK	12	7	22.30	22.28	21.99	22.25	22.45	22	2
5	QPSK	12	13	22.20	22.20	22.14	22.33	22.33		
5	QPSK	25	0	22.39	22.27	22.28	22.25	22.31	21	3
5	16QAM	1	0	21.86	21.85	21.94	21.96	22.05		
5	16QAM	1	12	22.02	21.69	21.84	22.03	21.80	19	5
5	16QAM	1	24	21.97	21.94	21.94	22.01	22.15		
5	16QAM	12	0	21.01	20.91	20.83	20.86	21.17	24	0
5	16QAM	12	7	21.00	20.99	20.93	21.01	21.32		
5	16QAM	12	13	21.11	20.85	21.07	21.08	21.11	23	1
5	16QAM	25	0	20.98	21.03	21.71	21.11	21.04		
5	64QAM	1	0	20.55	20.46	20.66	20.70	20.66	22	2
5	64QAM	1	12	20.28	20.55	20.62	20.45	20.61		
5	64QAM	1	24	20.50	20.25	20.42	20.67	20.72	21	3
5	64QAM	12	0	20.05	19.82	19.92	19.99	20.15		
5	64QAM	12	7	20.51	19.96	19.96	20.06	20.04	19	5
5	64QAM	12	13	19.97	19.94	19.99	20.11	20.04		
5	64QAM	25	0	20.05	19.91	19.88	19.97	20.01	24	0
5	256QAM	1	0	17.38	17.44	17.56	17.16	17.43		
5	256QAM	1	12	17.60	17.37	17.40	17.36	17.52	23	1
5	256QAM	1	24	17.45	17.48	17.27	17.54	17.47		
5	256QAM	12	0	17.66	17.36	17.56	17.31	17.52	19	5
5	256QAM	12	7	17.70	17.53	17.59	17.66	17.82		
5	256QAM	12	13	17.68	17.58	17.42	17.63	17.73	24	0
5	256QAM	25	0	17.54	17.57	17.41	17.52	17.41		

Band 41 (HPUE)_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	27	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.91	25.78	25.79	25.86	26.16	26	1
20	QPSK	1	49	25.88	25.72	25.69	25.73	25.92		
20	QPSK	1	99	25.84	25.68	25.73	25.74	25.92	25	2
20	QPSK	50	0	24.85	24.70	24.70	24.75	24.81		
20	QPSK	50	24	24.85	24.73	24.67	24.62	24.83	24	3
20	QPSK	50	50	24.82	24.61	24.60	24.68	24.87		
20	QPSK	100	0	24.77	24.71	24.68	24.73	24.87	23	4
20	16QAM	1	0	24.99	24.89	24.81	24.59	25.02		
20	16QAM	1	49	24.95	24.85	24.74	24.62	25.04	22	5
20	16QAM	1	99	24.94	24.72	24.76	24.79	25.06		
20	16QAM	50	0	23.79	23.78	23.68	23.68	23.95	21	6
20	16QAM	50	24	23.87	23.77	23.72	23.56	23.87		
20	16QAM	50	50	23.92	23.61	23.65	23.62	23.83	20	7
20	16QAM	100	0	23.81	23.79	23.71	23.55	23.87		
20	64QAM	1	0	23.84	23.69	23.67	23.40	23.88	19	8
20	64QAM	1	49	23.80	23.62	23.59	23.45	23.86		
20	64QAM	1	99	23.88	23.52	23.66	23.65	23.84	18	9
20	64QAM	50	0	22.70	22.69	22.64	22.41	22.87		
20	64QAM	50	24	22.80	22.72	22.65	22.48	22.82	17	10
20	64QAM	50	50	22.85	22.57	22.60	22.52	22.79		
20	64QAM	100	0	22.82	22.80	22.73	22.57	22.90	16	11
20	256QAM	1	0	20.71	20.72	20.72	20.34	20.55		
20	256QAM	1	49	20.66	20.58	20.61	20.50	20.75	15	12
20	256QAM	1	99	20.65	20.75	20.60	20.69	20.72		
20	256QAM	50	0	20.88	20.81	20.74	20.65	20.79	14	13
20	256QAM	50	24	20.91	20.83	20.73	20.64	20.83		
20	256QAM	50	50	20.88	20.81	20.71	20.65	20.78	13	14
20	256QAM	100	0	20.74	20.81	20.52	20.49	20.72		
Channel				39725	40173	40620	41068	41515	27	0
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	25.97	25.93	25.76	25.51	25.93	26	1
15	QPSK	1	37	25.98	25.90	25.69	25.52	25.91		
15	QPSK	1	74	26.00	25.77	25.77	25.76	25.94	25	2
15	QPSK	36	0	24.85	24.79	24.68	24.57	24.95		
15	QPSK	36	20	24.89	24.67	24.63	24.50	24.88	24	3
15	QPSK	36	39	24.86	24.62	24.98	24.54	24.78		
15	QPSK	75	0	24.89	24.66	24.69	24.53	24.86	23	4
15	16QAM	1	0	24.96	24.97	24.81	24.65	25.05		
15	16QAM	1	37	24.91	24.77	24.63	24.63	24.98	22	5
15	16QAM	1	74	25.04	24.80	24.89	24.81	24.96		
15	16QAM	36	0	23.84	23.71	23.63	23.50	23.88	21	6
15	16QAM	36	20	23.85	23.63	23.63	23.50	23.84		
15	16QAM	36	39	23.85	23.60	23.99	23.53	23.81	20	7
15	16QAM	75	0	23.89	23.71	23.67	23.54	23.89		
15	64QAM	1	0	23.90	23.84	23.68	23.59	23.96	19	8
15	64QAM	1	37	23.79	23.64	23.59	23.53	23.95		
15	64QAM	1	74	23.83	23.65	23.70	23.62	23.85	18	9
15	64QAM	36	0	22.87	22.78	22.69	22.48	22.89		
15	64QAM	36	20	22.88	22.69	22.66	22.51	22.86	17	10
15	64QAM	36	39	22.87	22.64	22.59	22.53	22.86		
15	64QAM	75	0	22.89	22.67	22.69	22.56	22.88	16	11
15	256QAM	1	0	20.72	20.69	20.79	20.45	20.54		
15	256QAM	1	37	20.64	20.61	20.59	20.57	20.79	15	12
15	256QAM	1	74	20.75	20.66	20.36	20.63	20.75		
15	256QAM	36	0	20.97	20.83	20.70	20.63	20.88	14	13
15	256QAM	36	20	20.94	20.77	20.77	20.58	20.88		
15	256QAM	36	39	20.98	20.91	20.78	20.75	20.88	13	14
15	256QAM	75	0	20.77	20.84	20.43	20.39	20.82		
Channel				39700	40160	40620	41080	41540	27	0
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	26.07	25.96	25.80	25.66	25.89	26	1
10	QPSK	1	25	26.02	25.91	25.83	25.70	25.89		
10	QPSK	1	49	26.08	25.82	25.81	25.74	25.91	25	2
10	QPSK	25	0	24.99	24.84	24.72	24.55	25.04		
10	QPSK	25	12	25.02	24.89	24.80	24.65	24.99	24	3
10	QPSK	25	25	25.00	24.73	24.68	24.67	24.91		
10	QPSK	50	0	25.00	24.80	24.75	24.62	24.93	23	4
10	16QAM	1	0	25.13	25.06	24.96	24.82	25.26		
10	16QAM	1	25	25.12	24.99	24.89	24.89	25.13	22	5
10	16QAM	1	49	25.13	24.91	24.85	24.82	25.24		
10	16QAM	25	0	24.03	23.81	23.81	23.62	24.07	21	6
10	16QAM	25	12	24.06	23.92	23.85	23.65	23.98		
10	16QAM	25	25	24.06	23.70	23.75	23.70	23.94	20	7
10	16QAM	50	0	24.00	23.86	23.78	23.67	23.95		
10	64QAM	1	0	24.06	24.04	23.93	23.69	23.84	19	8
10	64QAM	1	25	24.05	23.92	23.86	23.65	23.83		
10	64QAM	1	49	24.12	23.88	23.86	23.78	23.82	18	9
10	64QAM	25	0	22.95	22.83	22.73	22.54	22.76		
10	64QAM	25	12	22.99	22.87	22.77	22.65	22.95	17	10
10	64QAM	25	25	23.01	22.76	22.68	22.69	22.96		
10	64QAM	50	0	22.99	22.78	22.71	22.65	22.88	16	11
10	256QAM	1	0	20.71	20.62	20.65	20.33	20.45		
10	256QAM	1	25	20.69	20.58	20.59	20.47	20.69	15	12
10	256QAM	1	49	20.75	20.75	20.45	20.70	20.71		
10	256QAM	25	0	20.93	20.84	20.81	20.58	20.89	14	13
10	256QAM	25	12	20.95	20.78	20.66	20.54	20.86		
10	256QAM	25	25	20.90	20.80	20.78	20.58	20.77	13	14
10	256QAM	50	0	20.84	20.82	20.58	20.49	20.64		
Channel				39675	40148	40620	41093	41565	27	0
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	26.95	26.92	26.78	26.64	26.94	26	1
5	QPSK	1	12	25.86	26.00	25.91	25.75	25.92		
5	QPSK	1	24	25.79	25.85	25.75	25.71	25.95	25	2
5	QPSK	12	0	25.01	24.81	24.70	24.59	24.89		
5	QPSK	12	7	25.03	24.82	24.70	24.67	24.98	24	3
5	QPSK	12	13	24.98	24.74	24.72	24.59	24.93		
5	QPSK	25	0	24.96	24.77	24.75	24.61	24.90	23	4
5	16QAM	1	0	25.15	24.97	24.86	24.80	25.15		
5	16QAM	1	12	25.16	25.11	24.93	24.95	25.17	22	5
5	16QAM	1	24	25.15	24.98	25.01	24.90	25.25		
5	16QAM	12	0	24.03	23.88	23.85	23.77	24.04	21	6
5	16QAM	12	7	24.19	23.87	23.92	23.83	23.99		
5	16QAM	12	13	24.07	23.86	23.79	23.79	24.03	20	7
5	16QAM	25	0	24.07	23.78	23.78	23.66	23.98		
5	64QAM	1	0	24.03	23.93	23.75	23.70	23.91	19	8
5	64QAM	1	12	23.95	24.01	23.69	23.57	23.75		
5	64QAM	1	24	24.00	23.98	23.81	23.80	23.84	18	9
5	64QAM	12	0	23.02	22.92	22.75	22.64	22.76		
5	64QAM	12	7	23.02	22.78	22.77	22.61	22.97	17	10
5	64QAM	12	13	22.99	22.73	22.73	22.60	22.93		
5	64QAM	25	0	22.98	22.75	22.71	22.60	22.95	16	11
5	256QAM	1	0	20.60	20.68	20.63	20.44	20.60		
5	256QAM	1	12	20.60	20.57	20.64	20.59	20.79	15	12
5	256QAM	1	24	20.60	20.71	20.45	20.68	20.70		
5	256QAM	12	0	20.79	20.83	20.77	20.68	20.70	14	13
5	256QAM	12	7	20.83	20.69	20.78	20.69	20.91		
5	256QAM	12	13	20.79	20.84	20.62	20.71	20.76	13	14
5	256QAM	25	0	20.72	20.83	20.62	20.55	20.72		

Part270_n77_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								
Frequency (MHz)								
				3790	3840	3900		
100	Pl2 BPSK	1	1	22.42	22.54	22.54		
100	Pl2 BPSK	1	137	22.53	22.63	22.77	24.0	0.0
100	Pl2 BPSK	1	241	22.48	22.58	22.71		
100	Pl2 BPSK	135	0	21.61	21.70	21.67	23.5	0.5
100	Pl2 BPSK	135	69	22.42	22.52	22.68	24.0	0.0
100	Pl2 BPSK	135	138	21.60	21.72	21.69	23.5	0.5
100	Pl2 BPSK	240	0	21.63	21.68	21.74		
100	QPSK	1	1	22.71	22.78	22.75		
100	QPSK	1	137	22.67	22.72	22.69	24.0	0.0
100	QPSK	1	271	22.65	22.60	22.36		
100	QPSK	135	0	22.10	22.12	22.27		
100	QPSK	135	69	22.67	22.76	22.71	24.0	0.0
100	QPSK	135	138	22.13	22.11	22.21		
100	QPSK	270	0	21.58	21.73	21.64	23.0	1.0
100	8QAM	1	1	21.34	21.33	21.43	23.0	1.0
100	8QAM	1	1	20.23	20.32	20.27	21.5	2.5
100	25QAM	1	1	18.45	18.43	18.48	19.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.33	22.52	22.48	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.42	22.69	22.59	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.33	22.53	22.63	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.49	22.61	22.65	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.52	22.47	22.53	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.44	22.46	22.64	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.44	22.54	22.60	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.35	22.58	22.44	24.0	0.0

Part270_n78_Ant 2

BW [MHz]	Modulation	Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				3790				
100	Pl2 BPSK	1	1		22.71			
100	Pl2 BPSK	1	137		22.80		24.0	0.0
100	Pl2 BPSK	1	271		22.23			
100	Pl2 BPSK	135	0		21.84		23.5	0.5
100	Pl2 BPSK	135	69		22.16		24.0	0.0
100	Pl2 BPSK	135	138		21.62		23.5	0.5
100	Pl2 BPSK	270	0		21.78			
100	QPSK	1	1		22.82			
100	QPSK	1	137		22.79		24.0	0.0
100	QPSK	1	271		22.29			
100	QPSK	135	0		22.05			
100	QPSK	135	69		22.57		24.0	0.0
100	QPSK	135	138		22.02			
100	QPSK	270	0		22.05		23.0	1.0
100	16QAM	1	1		21.66		23.0	1.0
100	8QAM	1	1		20.58		21.5	2.5
100	25QAM	1	1		18.81		19.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968	65000	65032	Tune-up limit (dBm)	MPR (dB)
				3745.02	3790	3784.98		
				22.82	22.75	22.81	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65066	Tune-up limit (dBm)	MPR (dB)
				3740.01	3790	3799.99		
				22.74	22.76	22.84	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64868	65000	65138	Tune-up limit (dBm)	MPR (dB)
				3730.02	3790	3799.98		
				22.72	22.74	22.80	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	64834	65000	65166	Tune-up limit (dBm)	MPR (dB)
				3725.01	3790	3794.99		
				22.70	22.72	22.78	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64800	65000	65200	Tune-up limit (dBm)	MPR (dB)
				3720	3790	3790		
				22.80	22.80	22.80	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64768	65000	65252	Tune-up limit (dBm)	MPR (dB)
				3715.02	3790	3784.98		
				22.78	22.87	22.70	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64712	65000	65292	Tune-up limit (dBm)	MPR (dB)
				3710.01	3790	3799.99		
				22.70	22.76	22.84	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	64688	65000	65328	Tune-up limit (dBm)	MPR (dB)
				3710.01	3790	3799.99		
				22.70	22.76	22.84	24.0	0.0

Part270_n77_Ant 3

BW [MHz]	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)								
				3790	3840	3900		
100	Pl2 BPSK	1	1	19.81	19.56	19.46		
100	Pl2 BPSK	1	137	19.71	19.69	19.64	21.0	0.0
100	Pl2 BPSK	1	271	19.61	19.53	19.02		
100	Pl2 BPSK	135	0	18.69	18.52	18.57	20.5	0.5
100	Pl2 BPSK	135	69	19.03	19.00	19.14	21.0	0.0
100	Pl2 BPSK	135	138	18.55	18.52	18.53	20.5	0.5
100	Pl2 BPSK	270	0	18.56	19.54	19.41		
100	QPSK	1	1	19.72	19.83	19.67		
100	QPSK	1	137	19.51	19.17	19.23	21.0	0.0
100	QPSK	1	271	19.47	19.11	19.05		
100	QPSK	135	0	18.68	18.34	18.51		
100	QPSK	135	69	19.71	19.80	19.55	21.0	0.0
100	QPSK	135	138	18.47	18.26	18.35		
100	QPSK	270	0	18.69	18.79	18.34	20.0	1.0
100	16QAM	1	1	18.91	18.70	18.12	20.0	1.0
100	64QAM	1	1	16.53	17.19	16.60	19.5	2.5
100	256QAM	1	1	15.82	15.73	15.14	18.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.38	19.60	19.40	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.42	19.45	19.48	21.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.49	19.53	19.37	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.38	19.49	19.37	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.39	19.58	19.46	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.46	19.52	19.45	21.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.46	19.50	19.36	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.50	19.49	19.47	21.0	0.0

Part27O_n78_Ant 3									
BW [MHz]	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)				3750					
100	PI2 BPSK	1	1	19.91					
100	PI2 BPSK	1	137	19.93			21.0	0.0	
100	PI2 BPSK	1	271	19.79					
100	PI2 BPSK	135	0	18.82			20.5	0.5	
100	PI2 BPSK	135	69	19.83			21.0	0.0	
100	PI2 BPSK	135	138	18.81			20.5	0.5	
100	PI2 BPSK	270	0	18.89					
100	QPSK	1	1	19.98					
100	QPSK	1	137	19.91			21.0	0.0	
100	QPSK	1	271	19.84					
100	QPSK	135	0	19.06					
100	QPSK	135	69	19.95			21.0	0.0	
100	QPSK	135	138	19.11					
100	QPSK	270	0	18.73			20.5	1.0	
100	16QAM	1	1	19.42			20.0	1.0	
100	64QAM	1	1	17.63			18.5	2.5	
100	256QAM	1	1	15.53			16.5	4.5	
Channel				649988	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	19.89	19.91	19.73	21.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	19.74	19.82	19.75	21.0	0.0	
Channel				650000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	19.92	19.91	19.74	21.0	0.0	
Channel				649998	650000	651332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3739.99	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	19.77	19.72	19.70	21.0	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	19.89	19.87	19.63	21.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	19.75	19.62	19.62	21.0	0.0	
Channel				647666	650000	652332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	19.97	19.76	19.79	21.0	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	19.75	19.98	19.76	21.0	0.0	

Part27O_n77_Ant 5									
BW [MHz]	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)				3750	3840	3930			
100	PI2 BPSK	1	1	19.41	19.43	19.31			
100	PI2 BPSK	1	137	19.46	19.52	19.37	21.0	0.0	
100	PI2 BPSK	1	271	19.27	19.34	19.08			
100	PI2 BPSK	135	0	18.60	18.63	18.54	20.5	0.5	
100	PI2 BPSK	135	69	19.37	19.42	19.36	21.0	0.0	
100	PI2 BPSK	135	138	18.51	18.59	18.52	20.5	0.5	
100	PI2 BPSK	270	0	18.58	18.56	18.64			
100	QPSK	1	1	19.24	19.58	19.45			
100	QPSK	1	137	19.15	19.03	19.01	21.0	0.0	
100	QPSK	1	271	19.18	19.05	19.00			
100	QPSK	135	0	18.21	18.27	18.20			
100	QPSK	135	69	19.10	19.53	19.35	21.0	0.0	
100	QPSK	135	138	18.35	18.29	18.11			
100	QPSK	270	0	18.27	18.46	18.20	20.0	1.0	
100	16QAM	1	1	18.24	18.52	18.17	20.0	1.0	
100	64QAM	1	1	16.67	16.96	16.92	18.5	2.5	
100	256QAM	1	1	15.09	15.33	15.25	16.5	4.5	
Channel				649988	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)	
90	QPSK	1	1	19.48	19.47	19.41	21.0	0.0	
Channel				649334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)	
80	QPSK	1	1	19.51	19.53	19.45	21.0	0.0	
Channel				649000	650000	653000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	19.56	19.55	19.41	21.0	0.0	
Channel				648998	650000	653332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3739.99	3840	3949.98	(dBm)	(dB)	
60	QPSK	1	1	19.52	19.47	19.43	21.0	0.0	
Channel				648334	650000	653666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)	
50	QPSK	1	1	19.54	19.45	19.42	21.0	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	19.50	19.54	19.45	21.0	0.0	
Channel				647666	650000	654332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)	
30	QPSK	1	1	19.52	19.45	19.48	21.0	0.0	
Channel				647334	650000	654666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	QPSK	1	1	19.50	19.54	19.49	21.0	0.0	

Part27O_n78_Ant 5									
BW [MHz]	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)				3750					
100	PI2 BPSK	1	1	19.32					
100	PI2 BPSK	1	137	19.23			21.0		0.0
100	PI2 BPSK	1	271	19.26					
100	PI2 BPSK	135	0	19.17			20.5	0.5	
100	PI2 BPSK	135	69	19.22			21.0	0.0	
100	PI2 BPSK	135	138	19.29			20.5	0.5	
100	PI2 BPSK	270	0	19.22					
100	QPSK	1	1	19.42					
100	QPSK	1	137	19.33			21.0	0.0	
100	QPSK	1	271	19.22					
100	QPSK	135	0	18.33					
100	QPSK	135	69	19.22			21.0	0.0	
100	QPSK	135	138	18.29					
100	QPSK	270	0	18.41			20.0	1.0	
100	16QAM	1	1	18.29			20.0	1.0	
100	64QAM	1	1	16.75			18.5	2.5	
100	256QAM	1	1	15.16			16.5	4.5	
Channel				649988	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1	19.34	19.40	19.12	21.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	19.39	19.39	19.19	21.0	0.0	
Channel				650000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	19.33	19.32	19.31	21.0	0.0	
Channel				649998	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3739.99	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1	19.33	19.33	19.19	21.0	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	19.21	19.31	19.14	21.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	19.15	19.41	19.14	21.0	0.0	
Channel				647666	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	19.18	19.34	19.20	21.0	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	19.32	19.25	19.29	21.0	0.0	

Part270_n77_Ant 7									
BW [MHz]	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)				3750	3840	3900			
100	Pl/2 BPSK	1	1	19.39	19.41	19.43	21.0	0.0	
100	Pl/2 BPSK	1	137	19.49	19.75	19.58			
100	Pl/2 BPSK	1	241	19.31	19.64	19.49			
100	Pl/2 BPSK	135	0	18.54	18.54	18.57	20.5	0.5	
100	Pl/2 BPSK	135	69	19.35	19.60	19.48	21.0	0.0	
100	Pl/2 BPSK	135	138	18.56	18.56	18.52	20.5	0.5	
100	Pl/2 BPSK	270	0	18.53	18.53	18.57			
100	QPSK	1	1	20.15	20.23	20.07			
100	QPSK	1	137	20.13	20.22	20.05	21.0	0.0	
100	QPSK	1	271	20.03	19.95	19.77			
100	QPSK	135	0	18.76	18.64	18.54			
100	QPSK	135	69	19.76	20.16	19.85	21.0	0.0	
100	QPSK	135	138	18.83	18.82	18.57			
100	QPSK	270	0	18.66	18.50	18.56			
100	16QAM	1	1	18.96	18.76	18.65	20.0	1.0	
100	64QAM	1	1	17.41	17.26	17.27	19.5	2.5	
100	256QAM	1	1	15.45	15.36	15.35	16.5	4.5	
Channel									
Frequency (MHz)				649668	650000	652332	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	19.91	20.03	19.91	21.0	0.0	
Channel									
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3740.01	3840	3939.99	21.0	0.0	
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	3735	3840	3945	21.0	0.0	
Channel									
Frequency (MHz)				649191	650000	19.94	21.0	0.0	
60	QPSK	1	1	19.88	19.95	19.82	21.0	0.0	
Channel									
Frequency (MHz)				648334	650000	653666	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	3720.02	3840	3961.98	21.0	0.0	
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	3720	3840	3960	21.0	0.0	
Channel									
Frequency (MHz)				64715.02	3840	3964.58	21.0	0.0	
30	QPSK	1	1	19.80	20.07	20.00	21.0	0.0	
Channel									
Frequency (MHz)				647334	650000	654666	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	3719.01	3840	3963.99	21.0	0.0	

Part270_n78_Ant 7									
BW [MHz]	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)				3750					
100	Pl/2 BPSK	1	1	19.18			21.0	0.0	
100	Pl/2 BPSK	1	137	19.37					
100	Pl/2 BPSK	1	271	19.32					
100	Pl/2 BPSK	135	0	19.29			20.5	0.5	
100	Pl/2 BPSK	135	69	19.26			21.0	0.0	
100	Pl/2 BPSK	135	138	19.24			20.5	0.5	
100	Pl/2 BPSK	270	0	19.14					
100	QPSK	1	1	20.20					
100	QPSK	1	137	20.16			21.0	0.0	
100	QPSK	1	271	20.11					
100	QPSK	135	0	19.11					
100	QPSK	135	69	20.16			21.0	0.0	
100	QPSK	135	138	19.23					
100	QPSK	270	0	19.79					
100	8QAM	1	1	18.52			20.0	1.0	
100	8QAM	1	1	16.97			19.5	2.5	
100	256QAM	1	1	14.97			16.5	4.5	
Channel									
Frequency (MHz)				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	19.98	19.99	19.88	21.0	0.0	
Channel									
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3740.01	3750	3759.99	21.0	0.0	
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	20.11	20.07	20.05	21.0	0.0	
Channel									
Frequency (MHz)				648999	650000	651332	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	20.12	20.18	19.99	21.0	0.0	
Channel									
Frequency (MHz)				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	3720.01	3750	3774.99	21.0	0.0	
Channel									
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	3720	3750	3780	21.0	0.0	
Channel									
Frequency (MHz)				64715.02	3750	3784.58	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	20.16	20.18	20.17	21.0	0.0	
Channel									
Frequency (MHz)				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	3719.01	3750	3783.99	21.0	0.0	

Reduced Power for DSI 2

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.63	32.31	32.50	33.50	23.63	23.31	23.50	24.50
GPRS 1 Tx slot		32.61	32.29	32.48	33.50	23.61	23.29	23.48	24.50
GPRS 2 Tx slots		30.04	29.55	30.00	31.00	24.04	23.55	24.00	25.00
GPRS 3 Tx slots		28.21	28.15	28.18	29.00	23.95	23.89	23.92	24.74
GPRS 4 Tx slots		26.84	26.62	26.82	27.50	23.84	23.62	23.82	24.50
EDGE 1 Tx slot		26.38	26.23	26.38	27.00	17.38	17.23	17.38	18.00
EDGE 2 Tx slots		25.48	25.23	25.52	26.50	19.48	19.23	19.52	20.50
EDGE 3 Tx slots		23.25	23.18	23.31	24.00	18.99	18.92	19.05	19.74
EDGE 4 Tx slots		21.24	21.25	21.31	22.00	18.24	18.25	18.31	19.00

GSM1900_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		30.27	30.15	30.55	31.00	21.27	21.15	21.55	22.00
GPRS 1 Tx slot		30.26	30.12	30.53	31.00	21.26	21.12	21.53	22.00
GPRS 2 Tx slots		28.31	28.45	28.63	29.00	22.31	22.45	22.63	23.00
GPRS 3 Tx slots		26.49	26.41	26.48	27.50	22.23	22.15	22.22	23.24
GPRS 4 Tx slots		24.44	24.40	24.19	25.50	21.44	21.40	21.19	22.50
EDGE 1 Tx slot		26.23	26.07	26.17	27.00	17.23	17.07	17.17	18.00
EDGE 2 Tx slots		24.11	24.02	23.97	25.00	18.11	18.02	17.97	19.00
EDGE 3 Tx slots		23.21	22.98	22.99	24.00	18.95	18.72	18.73	19.74
EDGE 4 Tx slots		21.03	21.03	21.10	22.00	18.03	18.03	18.10	19.00

Band		WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA IV_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.52	23.58	23.56	24.00	23.38	23.59	23.58	24.00	23.04	23.05	23.03	24.00
3GPP Rel 99	RMC 12.2Kbps	23.53	23.59	23.58	24.00	23.41	23.61	23.60	24.00	23.05	23.06	23.04	24.00
3GPP Rel 6	HSDPA Subtest-1	22.58	22.59	22.59	23.00	22.37	22.62	22.57	23.00	22.07	22.05	22.07	23.00
3GPP Rel 6	HSDPA Subtest-2	22.55	22.59	22.52	23.00	22.41	22.57	22.60	23.00	22.09	22.05	22.10	23.00
3GPP Rel 6	HSDPA Subtest-3	22.07	22.07	22.10	22.50	21.87	22.09	22.06	22.50	21.60	21.59	21.61	22.50
3GPP Rel 6	HSDPA Subtest-4	22.05	22.04	22.08	22.50	21.90	21.70	22.10	22.50	21.61	21.57	21.60	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.41	22.53	22.54	23.00	22.32	22.57	22.49	23.00	22.05	21.87	21.93	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.43	22.42	22.48	23.00	22.40	22.46	22.59	23.00	21.99	21.91	21.92	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.05	22.00	22.05	22.50	21.76	21.93	21.97	22.50	21.49	21.56	21.59	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.93	21.99	21.99	22.50	21.89	21.61	21.99	22.50	21.44	21.44	21.55	22.50
3GPP Rel 6	HSUPA Subtest-1	22.57	22.63	22.62	23.00	22.41	22.62	22.60	23.00	22.10	22.04	22.09	23.00
3GPP Rel 6	HSUPA Subtest-2	20.57	20.61	20.61	21.00	20.42	20.61	20.64	21.00	20.07	20.02	20.09	21.00
3GPP Rel 6	HSUPA Subtest-3	21.54	21.63	21.59	22.00	21.40	21.57	21.64	22.00	21.11	21.06	21.09	22.00
3GPP Rel 6	HSUPA Subtest-4	20.58	20.62	20.64	21.00	20.34	20.59	20.58	21.00	20.07	20.08	20.08	21.00
3GPP Rel 6	HSUPA Subtest-5	22.60	22.62	22.60	23.00	22.40	22.60	22.60	23.00	22.10	22.10	22.00	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.77	20.53	20.77	21.00	20.65	20.60	20.74	21.00	20.43	20.26	20.25	21.00

Band 2_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
18700 18800 19100										
20	QPSK	1	0	22.91	22.86	22.95				
20	QPSK	1	49	22.70	22.69	22.78	24	0		
20	QPSK	1	99	22.70	22.68	22.74				
20	QPSK	50	0	21.97	21.95	21.99				
20	QPSK	50	24	21.80	21.81	21.80	23	1		
20	QPSK	50	50	21.84	21.82	21.77				
20	QPSK	100	0	21.81	21.83	21.80				
20	16QAM	1	0	21.92	22.37	22.40				
20	16QAM	1	49	22.05	21.98	22.11	23	1		
20	16QAM	1	99	22.29	22.14	22.15				
20	16QAM	50	0	20.91	20.91	20.92				
20	16QAM	50	24	20.95	20.83	20.76	22	2		
20	16QAM	50	50	20.93	20.91	20.95				
20	16QAM	100	0	20.74	20.82	20.75				
20	64QAM	1	0	20.91	21.11	21.08				
20	64QAM	1	49	21.15	21.16	21.24	22	2		
20	64QAM	1	99	21.06	21.10	20.95				
20	64QAM	50	0	20.12	19.79	19.90				
20	64QAM	50	24	20.09	19.81	19.85	21	3		
20	64QAM	50	50	19.99	19.76	19.76				
20	64QAM	100	0	20.19	19.89	19.89				
20	256QAM	1	0	17.86	17.82	17.71				
20	256QAM	1	49	17.88	17.76	17.68	19	5		
20	256QAM	1	99	17.81	17.81	17.71				
20	256QAM	50	0	17.72	17.65	17.65				
20	256QAM	50	24	17.60	17.65	17.76	19	5		
20	256QAM	50	50	17.53	17.77	17.87				
20	256QAM	100	0	17.64	17.60	17.60				
Channel										
18875 18900 19225										
15	QPSK	1	0	22.93	22.72	22.78				
15	QPSK	1	37	22.75	22.57	22.70	24	0		
15	QPSK	1	74	22.52	22.48	22.63				
15	QPSK	36	0	22.01	21.84	21.82				
15	QPSK	36	20	21.78	21.83	21.73	23	1		
15	QPSK	36	39	21.93	21.79	21.83				
15	QPSK	75	0	21.75	21.62	21.88				
15	16QAM	1	0	21.07	20.46	20.98				
15	16QAM	1	37	22.00	22.08	21.96	23	1		
15	16QAM	1	74	22.18	22.21	22.20				
15	16QAM	36	0	20.88	20.94	20.95				
15	16QAM	36	20	20.90	20.72	20.75	22	2		
15	16QAM	36	39	20.93	20.91	20.72				
15	16QAM	75	0	20.70	20.68	20.65				
15	16QAM	75	0	20.92	21.11	21.05				
15	64QAM	1	37	21.21	21.01	21.16	22	2		
15	64QAM	1	74	20.98	20.98	20.91				
15	64QAM	36	0	19.94	19.72	19.71	21	3		
15	64QAM	36	20	20.05	19.92	19.78				
15	64QAM	36	39	19.99	19.92	19.91				
15	64QAM	75	0	20.24	20.87	20.86				
15	256QAM	1	0	17.84	17.84	17.68				
15	256QAM	1	37	17.78	17.77	17.72	19	5		
15	256QAM	1	74	17.85	17.85	17.68				
15	256QAM	36	0	17.79	17.69	17.67				
15	256QAM	36	20	17.90	17.78	17.88	19	5		
15	256QAM	36	39	17.80	17.72	17.77				
15	256QAM	75	0	17.88	17.77	17.56				
Channel										
18950 18980 19100										
10	QPSK	1	0	22.90	22.82	22.75				
10	QPSK	1	25	22.57	22.59	22.73	24	0		
10	QPSK	1	49	22.65	22.48	22.49				
10	QPSK	25	0	21.99	21.76	21.80				
10	QPSK	25	12	21.98	21.62	21.64	23	1		
10	QPSK	25	26	21.81	21.73	21.80				
10	16QAM	1	0	21.81	21.65	21.65				
10	16QAM	1	0	22.03	22.27	22.24				
10	16QAM	1	25	22.01	21.90	22.19	23	1		
10	16QAM	1	49	22.18	22.19	22.25				
10	16QAM	25	0	20.76	20.93	20.88				
10	16QAM	25	12	21.00	20.80	20.81	22	2		
10	16QAM	25	26	20.76	20.70	20.74				
10	16QAM	50	0	20.88	20.80	20.81				
10	64QAM	1	0	20.95	21.07	21.10	22	2		
10	64QAM	1	25	21.02	21.08	21.15				
10	64QAM	1	49	21.10	21.14	20.95	22	2		
10	64QAM	25	0	20.95	19.73	19.73	21	3		
10	64QAM	25	12	20.97	19.87	19.78				
10	64QAM	25	26	20.92	19.85	19.88				
10	64QAM	50	0	20.94	19.85	19.83				
10	256QAM	1	0	17.83	17.84	17.87				
10	256QAM	1	25	17.89	17.88	17.80	19	5		
10	256QAM	1	49	18.02	17.72	17.88				
10	256QAM	25	0	17.58	17.74	17.74				
10	256QAM	25	12	17.87	17.66	17.78	19	5		
10	256QAM	25	26	17.72	17.66	17.74				
10	256QAM	50	0	17.70	17.83	17.88				
Channel										
18950 18980 19000										
5	QPSK	1	0	22.93	22.91	22.78				
5	QPSK	1	12	22.53	22.59	22.72	24	0		
5	QPSK	1	24	22.51	22.77	22.76				
5	QPSK	12	0	21.84	21.87	21.70				
5	QPSK	12	7	21.91	21.76	21.76	23	1		
5	QPSK	12	13	21.89	21.78	21.84				
5	QPSK	25	0	21.84	21.66	21.70				
5	16QAM	1	0	22.01	22.38	22.19				
5	16QAM	1	12	21.92	22.03	22.10	23	1		
5	16QAM	1	24	22.12	22.17	22.00				
5	16QAM	12	0	20.98	20.74	20.83				
5	16QAM	12	7	20.87	21.00	20.95	22	2		
5	16QAM	12	13	20.84	20.69	20.84				
5	16QAM	25	0	20.77	20.63	20.88				
5	64QAM	1	0	20.69	20.97	21.13	22	2		
5	64QAM	1	12	21.09	21.12	21.17				
5	64QAM	1	24	21.11	21.17	20.87				
5	64QAM	12	0	20.15	19.73	19.83	21	3		
5	64QAM	12	7	19.95	19.77	19.92				
5	64QAM	12	13	19.95	19.77	19.81				
5	64QAM	25	0	19.99	19.88	19.86				
5	256QAM	1	0	17.77	17.77	17.71				
5	256QAM	1	12	17.91	17.60	17.86	19	5		
5	256QAM	1	24	17.84	17.91	17.85				
5	256QAM	12	0	17.81	17.89	17.88				
5	256QAM	12	7	17.58	17.53	17.54	19	5		
5	256QAM	12	13	17.84	17.53	17.75				
5	256QAM	25	0	17.63	17.71	17.64				
Channel										
18950 18980 19093.3										
14	QPSK	1	0	22.91	22.91	22.90				
14	QPSK	1	3	22.74	22.70	22.72	24	0		
14	QPSK	1	6	22.64	22.76	22.81				
14	QPSK	3	0	22.92	22.74	22.93				
14	QPSK	3	1	22.77	22.83	22.80				
14	QPSK	3	3	22.72	22.80	22.98	23	1		
14	16QAM	1	0	21.86	21.82	21.86				
14	16QAM	1	0	21.87	22.30	22.20				
14	16QAM	1	3	22.03	21.86	22.14	23	1		
14	16QAM	1	6	22.31	22.09	22.10				
14	16QAM	3	0	21.72	21.76	21.91				
14	16QAM	3	1	21.85	21.79	21.79				
14	16QAM	3	3	21.69	21.62	21.60				
14	16QAM	6	0	20.83	20.72	20.55	22	2		
14	64QAM	1	0	20.90	21.07	20.97				
14	64QAM	1	3	21.26	21.01	21.29				
14	64QAM	1	5	21.06	21.01	20.86	22	2		
14	64QAM	3	0	20.99	20.75	20.90				
14	64QAM	3	1	21.07	20.88	20.83				
14	64QAM	3	3	20.80	20.76	20.74	21	3		
14	256QAM	1	0	17.66	17.63	17.68				
14	256QAM	1	14	17.95	17.70	17.87				
14	256QAM	1	5	18.03	17.70	17.92	19	5		
14	256QAM	3	0	17.79	17.74	17.80				
14	256QAM	3	1	17.87	17.83	17.81				
14	256QAM	3	3	17.81	17.62	17.62	19	5		
14	256QAM	6	0	17.79	17.81	17.80				

Band 17_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tolerance (dBm)	MPR (dB)	
Channel				23760	23760	23800			
Frequency (MHz)				706.5	710	713.5			
10	QPSK	1	0	22.93	22.93	22.93	24	0	
10	QPSK	1	25	22.91	22.92	22.97			
10	QPSK	1	49	22.96	22.90	22.98			
10	QPSK	25	0	22.93	22.97	23.01			
10	QPSK	25	12	22.12	22.12	22.20	23	1	
10	QPSK	25	25	22.15	22.24	22.12			
10	QPSK	50	0	22.17	22.23	22.20			
10	QPSK	50	12	22.20	22.29	22.70			
10	HQDM	1	0	22.35	22.36	22.70	23	1	
10	HQDM	1	25	22.43	22.36	22.33			
10	HQDM	1	49	22.45	22.29	22.70			
10	HQDM	25	0	21.39	21.32	21.37			
10	HQDM	25	12	21.52	21.52	21.28	22	2	
10	HQDM	25	25	21.10	21.24	21.14			
10	HQDM	50	0	21.28	21.20	21.52			
10	HQDM	50	12	21.52	21.38	21.36			
10	HQDM	1	25	21.74	21.54	21.33	22	2	
10	HQDM	1	49	21.41	21.51	21.46			
10	HQDM	25	0	20.27	20.22	20.38			
10	HQDM	25	12	20.44	20.35	20.36			
10	HQDM	25	25	20.30	20.19	20.27	21	3	
10	HQDM	50	0	20.38	20.32	20.28			
10	SSBQAM	1	0	17.68	17.71	17.80			
10	SSBQAM	1	25	17.88	17.77	17.85			
10	SSBQAM	1	49	17.88	17.70	17.79	19	5	
10	SSBQAM	25	0	17.70	17.71	17.86			
10	SSBQAM	25	12	17.89	17.67	17.94			
10	SSBQAM	25	25	17.73	17.85	17.74			
10	SSBQAM	50	0	17.68	17.65	17.82	19	5	
Channel				23765	23760	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	22.87	22.96	23.00	24	0	
5	QPSK	1	12	22.88	22.77	22.80			
5	QPSK	1	24	22.84	22.99	23.01			
5	QPSK	12	0	22.38	22.26	22.18			
5	QPSK	12	7	22.30	22.07	22.11	23	1	
5	QPSK	12	13	22.39	22.20	22.27			
5	QPSK	25	0	22.30	22.09	22.29			
5	HQDM	1	0	22.47	22.46	22.56			
5	HQDM	1	12	22.45	22.42	22.43	23	1	
5	HQDM	1	24	22.47	22.32	22.52			
5	HQDM	12	0	21.37	21.14	21.44			
5	HQDM	12	7	21.38	21.09	21.25			
5	HQDM	12	13	21.27	21.09	21.06	22	2	
5	HQDM	25	0	21.13	21.10	21.19			
5	SSBQAM	1	0	21.38	21.28	21.38			
5	HQDM	1	12	21.76	21.57	21.30			
5	HQDM	1	24	21.50	21.40	21.42	22	2	
5	HQDM	12	0	20.30	20.20	20.44			
5	HQDM	12	7	20.35	20.25	20.44			
5	HQDM	12	13	20.14	20.15	20.22			
5	HQDM	25	0	20.16	20.02	20.03	21	3	
5	SSBQAM	1	0	17.79	17.65	17.66			
5	SSBQAM	1	12	17.83	17.63	17.80			
5	SSBQAM	1	24	17.77	17.78	17.87			
5	SSBQAM	12	0	17.69	17.62	17.72	19	5	
5	SSBQAM	12	7	17.84	17.59	17.88			
5	SSBQAM	12	13	17.57	17.53	17.71			
5	SSBQAM	25	0	17.57	17.52	17.72			

Band 26_Ant 0											
BW (MHz)	Modulation	RB Box	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tolerance (dBm)	MPR (dB)			
Channel				26765	26865	26965					
Frequency (MHz)				815.5	831.5	844.5					
15	QPSK	1	0	22.95	22.97	22.95	24	0			
15	QPSK	1	37	22.63	22.72	22.70					
15	QPSK	1	74	22.62	22.71	22.71					
15	QPSK	36	0	21.91	21.91	21.95					
15	QPSK	36	20	21.79	21.87	21.82	23	1			
15	QPSK	36	36	21.76	21.83	21.83					
15	QPSK	50	0	21.79	21.87	21.86					
15	HQDM	1	0	22.01	22.33	22.06					
15	HQDM	1	37	22.24	21.85	21.89	23	1			
15	HQDM	1	74	22.20	22.21	21.91					
15	HQDM	36	0	20.76	20.87	20.86					
15	HQDM	36	20	20.93	20.94	20.91					
15	HQDM	50	0	20.95	20.99	20.90	22	2			
15	HQDM	75	0	20.84	20.90	21.01					
15	HQDM	1	0	20.89	20.93	20.95					
15	HQDM	1	37	21.00	20.98	20.97					
15	SSBQAM	1	74	21.05	21.00	20.96	22	2			
15	SSBQAM	36	0	19.83	19.86	19.93					
15	SSBQAM	36	20	19.85	19.87	19.95					
15	SSBQAM	50	0	20.08	20.01	19.99					
15	HQDM	75	0	19.92	19.86	19.88	21	3			
15	SSBQAM	1	0	17.71	17.68	17.72					
15	SSBQAM	1	37	17.83	17.67	17.69					
15	SSBQAM	1	74	17.78	17.78	17.76					
15	SSBQAM	36	0	17.54	17.55	17.65	19	5			
15	SSBQAM	36	20	17.62	17.55	17.72					
15	SSBQAM	50	0	17.61	17.56	17.67					
15	SSBQAM	75	0	17.60	17.58	17.67					
Channel				26765	26865	26965					
Frequency (MHz)				819	831.5	844					
10	QPSK	1	0	22.56	22.63	22.65	24	0			
10	QPSK	1	36	22.52	22.77	22.84					
10	QPSK	1	49	22.54	22.68	22.67					
10	QPSK	25	0	21.63	21.69	21.75					
10	QPSK	25	12	21.79	22.01	21.83	23	1			
10	QPSK	25	25	21.98	21.84	21.95					
10	QPSK	50	0	21.79	21.92	21.96					
10	HQDM	1	0	21.98	21.80	21.86					
10	HQDM	1	25	22.24	21.81	22.05	23	1			
10	HQDM	1	49	22.22	22.09	21.89					
10	HQDM	25	0	20.81	20.73	20.87					
10	HQDM	25	12	20.97	21.03	20.94					
10	HQDM	25	25	20.99	20.96	20.86	22	2			
10	HQDM	50	0	20.74	20.90	21.09					
10	HQDM	50	12	20.74	20.96	20.95					
10	HQDM	1	0	21.08	21.04	21.03					
10	HQDM	1	49	21.03	21.07	20.99	22	2			
10	HQDM	25	0	19.70	19.74	19.71					
10	HQDM	25	12	19.87	20.07	20.02					
10	HQDM	25	25	19.93	19.96	19.93					
10	SSBQAM	1	0	19.85	19.74	19.85	21	3			
10	SSBQAM	1	0	17.73	17.47	17.76					
10	SSBQAM	1	25	17.85	17.60	17.72					
10	SSBQAM	1	49	17.78	17.63	17.66					
10	SSBQAM	25	0	17.40	17.70	17.64	19	5			
10	SSBQAM	25	12	17.51	17.53	17.62					
10	SSBQAM	25	25	17.50	17.58	17.65					
10	SSBQAM	50	0	17.47	17.42	17.57					
Channel				26715	26865	27015					
Frequency (MHz)				815.2	831.5	844.5					
5	QPSK	1	0	22.43	22.61	22.76	24	0			
5	QPSK	1	12	22.69	22.72	22.79					
5	QPSK	1	24	22.47	22.69	22.70					
5	QPSK	12	0	21.68	21.68	21.75					
5	QPSK	12	7	21.90	21.92	21.94	23	1			
5	QPSK	12	13	21.79	21.92	21.94					
5	HQDM	1	0	22.00	22.27	22.03					
5	HQDM	1	12	22.23	21.80	21.84					
5	HQDM	1	24	22.12	22.28	21.98	23	1			
5	HQDM	12	0	20.82	20.94	20.91					
5	HQDM	12	7	20.96	20.91	20.93					
5	HQDM	12	13	20.97	20.91	20.93					
5	HQDM	1	0	20.96	20.94	20.99	22	2			
5	HQDM	1	12	21.01	21.01	21.01					
5	HQDM	1	24	20.95	20.89	20.95					
5	HQDM	12	0	19.81	19.86	20.06					
5	HQDM	12	7	19.85	19.86	20.04	22	2			
5	HQDM	12	13	19.89	19.86	20.04					
5	HQDM	25	0	19.99	19.91	19.94					
5	HQDM	25	7	19.99	19.96	19.94					
5	SSBQAM	1	0	17.60	17.35	17.66	19	5			
5	SSBQAM	1	12	17.70	17.63	17.66					
5	SSBQAM	1	24	17.68	17.73	17.65					
5	SSBQAM	12	0	17.42	17.52	17.62					
5	SSBQAM	12	7	17.57	17.57	17.64					
5	SSBQAM	12	13	17.67	17.50	17.64					
5	SSBQAM	25	0	17.44	17.46	17.58					
Channel				26705	26865	27025					
Frequency (MHz)				815.5	831.5	847.5					
3	QPSK	1	0	22.52	22.62	22.72	24	0			
3	QPSK	1	36	22.48	22.74	22.82					
3	QPSK	1	14	22.57	22.62	22.66					
3	QPSK	8	0	21.59	21.63	21.68					
3	QPSK	8	7	21.79	21.78	21.80	23	1			
3	QPSK	8	14	21.93	21.68	21.78					
3	QPSK	15	0	21.75	21.79	21.88					
3	HQDM	1	0	22.11	21.86	21.91					
3	HQDM	1	8	22.12	21.96	21.91	23	1			
3	HQDM	1	14	22.22	22.18	21.78					
3	HQDM	8	0	20.87	20.89	20.97					
3	HQDM	8	4	20.83	20.96	20.70					
3	HQDM	1	0	20.89	20.94	21.02	22	2			
3	HQDM	1	8	20.97	21.00	21.01					
3	HQDM	1	14	21.02	21.01	21.01					
3	HQDM	8	0	19.82	19.90	20.11					
3	HQDM	8	4	19.83	19.94	19.94	21	3			
3	HQDM	8	7	19.87	19.96	19.96					
3	HQDM	15	0	19.99	19.96	19.96					
3	SSBQAM	1	0	17.61	17.54	17.79					
3	SSBQAM	1	8	17.74	17.78	17.80	19	5			
3	SSBQAM	1	14	17.71	17.81	17.67					
3	SSBQAM	8	0	17.99	17.53	17.88					
3	SSBQAM	8	7	17.92	17.68	17.83					
3	SSBQAM	8	14	17.62	17.66	17.70					
3	SSBQAM	15	0	17.86	17.66	17.75					
Channel				814.7	831.5	843.5					
Frequency (MHz)				814.7	831.5	843.5					
1.4	QPSK	1	0	22.54	22.72	22.86	24	0			
1.4	QPSK	1	3	22.64	22.73	22.61					
1.4	QPSK	1	6	22.63	22.63	22.63					
1.4	QPSK	3	0	22.63	22.97	22.70					
1.4	QPSK	3	3	22.62	22.99	22.64	23	1			
1.4	QPSK	3	6	22.67	22.98	22.87					
1.4	QPSK	6	0	21.67	21.74	21.86					
1.4	HQDM	1	0	21.92	22.25	21.91					
1.4	HQDM	1	3	21.87	22.17	21.87	23	1			
1.4	HQDM	1	6	22.24	22.21	21.84					
1.4	HQDM	3	0	21.43	21.53	21.60					
1.4	HQDM	3	3	21.62	21.58	21.60					
1.4	HQDM	6	0	20.72	20.77	20.90	22	2			
1.4	HQDM	6	3	20.82	20.82	20.90					
1.4	HQDM	1	0	20.87	21.01	20.95					
1.4	HQDM	1	3	20.99	21.08	20.78					
1.4	SSBQAM	1	0	17.83	17.81	17.81	22	2			
1.4	SSBQAM	3	0	20.60	20.81	20.77					
1.4	SSBQAM	3	3	20.85	20.76	20.87					
1.4	SSBQAM	6	0	19.93	19.93	20.07					
1.4	SSBQAM	1	0	17.81	17.62	17.67	21	3			
1.4	SSBQAM	1	3	17.88	17.75	17.88					
1.4	SSBQAM	1	6	17.82	17.69	17.83					
1.4	SSBQAM	3	0	17.58	17.45	17.70					
1.4	SSBQAM	3	3	17.50	17.42	17.70	19	5			
1.4	SSBQAM	6	0	17.46	17.40	17.50					
1.4	SSBQAM	6	3	17.56	17.48	17.59					
1.4	SSBQAM	6	6	17.58	17.48	17.59					

Band 38_Ant 1									
BW [MHz]	Modulatio n	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	16.56	16.60	16.58	17.5	0	
20	QPSK	1	49	16.33	16.25	16.38			
20	QPSK	1	99	16.43	16.17	16.22			
20	QPSK	50	0	16.53	16.56	16.55	17.5	0	
20	QPSK	50	24	16.30	16.30	16.48			
20	QPSK	50	50	16.39	16.16	16.25			
20	QPSK	100	0	16.46	16.54	16.47	17.5	0	
20	16QAM	1	0	16.53	16.56	16.50			
20	16QAM	1	49	16.28	16.29	16.42			
20	16QAM	1	99	16.40	16.19	16.22	17.5	0	
20	16QAM	50	0	16.51	16.57	16.55			
20	16QAM	50	24	16.27	16.29	16.43			
20	16QAM	50	50	16.42	16.16	16.20	17.5	0	
20	16QAM	100	0	16.56	16.55	16.52			
20	64QAM	1	0	16.48	16.58	16.52			
20	64QAM	1	49	16.29	16.28	16.44	17.5	0	
20	64QAM	1	99	16.44	16.22	16.24			
20	64QAM	50	0	16.55	16.56	16.54			
20	64QAM	50	24	16.28	16.22	16.40	17.5	0	
20	64QAM	50	50	16.43	16.22	16.23			
20	64QAM	100	0	16.39	16.21	16.29			
20	256QAM	1	0	16.53	16.52	16.58	17.5	0	
20	256QAM	1	49	16.31	16.22	16.44			
20	256QAM	1	99	16.40	16.19	16.28			
20	256QAM	50	0	16.53	16.59	16.59	17.5	0	
20	256QAM	50	24	16.28	16.25	16.38			
20	256QAM	50	50	16.38	16.17	16.20			
20	256QAM	100	0	16.37	16.21	16.20			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	16.49	16.44	16.52	17.5	0	
15	QPSK	1	37	16.29	16.07	16.30			
15	QPSK	1	74	16.25	16.03	16.13			
15	QPSK	36	0	16.38	16.55	16.38	17.5	0	
15	QPSK	36	20	16.15	16.26	16.40			
15	QPSK	36	39	16.41	16.06	16.23			
15	QPSK	75	0	16.32	16.52	16.41	17.5	0	
15	16QAM	1	0	16.53	16.56	16.49			
15	16QAM	1	37	16.21	16.15	16.42			
15	16QAM	1	74	16.23	16.13	16.12	17.5	0	
15	16QAM	36	0	16.48	16.48	16.56			
15	16QAM	36	20	16.17	16.31	16.39			
15	16QAM	36	39	16.26	16.18	16.20	17.5	0	
15	16QAM	75	0	16.41	16.44	16.36			
15	64QAM	1	0	16.32	16.41	16.42			
15	64QAM	1	37	16.14	16.18	16.28	17.5	0	
15	64QAM	1	74	16.31	16.08	16.16			
15	64QAM	36	0	16.56	16.41	16.40			
15	64QAM	36	20	16.11	16.17	16.28	17.5	0	
15	64QAM	36	39	16.35	16.12	16.23			
15	64QAM	75	0	16.28	16.05	16.29			
15	256QAM	1	0	16.55	16.36	16.44	17.5	0	
15	256QAM	1	37	16.33	16.22	16.32			
15	256QAM	1	74	16.30	16.16	16.17			
15	256QAM	36	0	16.51	16.56	16.48	17.5	0	
15	256QAM	36	20	16.14	16.21	16.33			
15	256QAM	36	39	16.36	16.18	16.19			
15	256QAM	75	0	16.25	16.09	16.03			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	16.43	16.52	16.52	17.5	0	
10	QPSK	1	25	16.52	16.16	16.35			
10	QPSK	1	49	16.37	16.02	16.05			
10	QPSK	25	0	16.46	16.41	16.52	17.5	0	
10	QPSK	25	12	16.18	16.24	16.40			
10	QPSK	25	25	16.26	16.00	16.18			
10	QPSK	50	0	16.29	16.56	16.43	17.5	0	
10	16QAM	1	0	16.35	16.44	16.48			
10	16QAM	1	25	16.12	16.21	16.32			
10	16QAM	1	49	16.36	16.08	16.08	17.5	0	
10	16QAM	25	0	16.33	16.59	16.51			
10	16QAM	25	12	16.18	16.16	16.38			
10	16QAM	25	25	16.28	15.98	16.12	17.5	0	
10	16QAM	50	0	16.57	16.55	16.41			
10	64QAM	1	0	16.44	16.51	16.36			
10	64QAM	1	25	16.20	16.10	16.26	17.5	0	
10	64QAM	1	49	16.45	16.21	16.18			
10	64QAM	25	0	16.49	16.58	16.58			
10	64QAM	25	12	16.22	16.14	16.33	17.5	0	
10	64QAM	25	25	16.45	16.10	16.20			
10	64QAM	50	0	16.25	16.04	16.21			
10	256QAM	1	0	16.38	16.42	16.59	17.5	0	
10	256QAM	1	25	16.32	16.22	16.26			
10	256QAM	1	49	16.24	16.09	16.10			
10	256QAM	25	0	16.36	16.52	16.54	17.5	0	
10	256QAM	25	12	16.10	16.19	16.25			
10	256QAM	25	25	16.32	16.07	16.12			
10	256QAM	50	0	16.34	16.11	16.07			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	16.38	16.57	16.51	17.5	0	
5	QPSK	1	12	16.33	16.24	16.24			
5	QPSK	1	24	16.28	16.06	16.22			
5	QPSK	12	0	16.42	16.56	16.39	17.5	0	
5	QPSK	12	7	16.16	16.12	16.36			
5	QPSK	12	13	16.30	15.99	16.12			
5	QPSK	25	0	16.32	16.38	16.36	17.5	0	
5	16QAM	1	0	16.41	16.41	16.52			
5	16QAM	1	12	16.18	16.11	16.41			
5	16QAM	1	24	16.39	16.11	16.18	17.5	0	
5	16QAM	12	0	16.42	16.56	16.57			
5	16QAM	12	7	16.19	16.26	16.33			
5	16QAM	12	13	16.39	15.98	16.15	17.5	0	
5	16QAM	25	0	16.47	16.48	16.51			
5	64QAM	1	0	16.44	16.48	16.47			
5	64QAM	1	12	16.20	16.23	16.41	17.5	0	
5	64QAM	1	24	16.39	16.24	16.10			
5	64QAM	12	0	16.49	16.38	16.41			
5	64QAM	12	7	16.27	16.10	16.25	17.5	0	
5	64QAM	12	13	16.34	16.20	16.19			
5	64QAM	25	0	16.22	16.20	16.27			
5	256QAM	1	0	16.38	16.54	16.51	17.5	0	
5	256QAM	1	12	16.24	16.11	16.37			
5	256QAM	1	24	16.29	16.01	16.28			
5	256QAM	12	0	16.49	16.56	16.55	17.5	0	
5	256QAM	12	7	16.16	16.21	16.21			
5	256QAM	12	13	16.32	16.03	16.22			
5	256QAM	25	0	16.23	16.16	16.05			
Channel				37825	38000	38150			

Band 41_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	16.54	16.53	16.53	16.38	16.66	17.5	0
20	QPSK	1	49	16.52	16.32	16.23	16.33	16.45		
20	QPSK	1	99	16.20	16.29	16.49	16.37	16.42		
20	QPSK	50	0	16.51	16.44	16.44	16.34	16.38		
20	QPSK	50	24	16.42	16.42	16.51	16.49	16.55	17.5	0
20	QPSK	50	50	16.27	16.37	16.40	16.31	16.49		
20	QPSK	100	0	16.38	16.42	16.46	16.27	16.47		
20	16QAM	1	0	16.27	16.52	16.49	16.41	16.45		
20	16QAM	1	49	16.27	16.06	16.13	16.20	16.24	17.5	0
20	16QAM	1	99	16.30	16.29	16.35	16.46	16.47		
20	16QAM	50	0	16.31	16.42	16.35	16.35	16.45		
20	16QAM	50	24	16.33	16.38	16.51	16.37	16.49		
20	16QAM	50	50	16.47	16.39	16.45	16.30	16.41	17.5	0
20	16QAM	100	0	16.09	16.28	16.30	16.19	16.28		
20	64QAM	1	49	16.46	16.31	16.46	16.45	16.49		
20	64QAM	1	99	16.47	16.38	16.46	16.38	16.42		
20	64QAM	50	0	16.39	16.41	16.31	16.25	16.33	17.5	0
20	64QAM	50	24	16.25	16.42	16.48	16.38	16.41		
20	64QAM	50	50	16.41	16.31	16.40	16.37	16.33		
20	64QAM	100	0	16.26	16.47	16.30	16.51	16.44		
20	256QAM	1	0	16.44	16.38	16.50	16.52	16.48	17.5	0
20	256QAM	1	49	16.38	16.15	16.27	16.20	16.35		
20	256QAM	1	99	16.43	16.37	16.22	16.18	16.37		
20	256QAM	50	0	16.09	16.13	16.15	16.23	16.31		
20	256QAM	50	24	16.37	16.32	16.47	16.30	16.39	17.5	0
20	256QAM	50	50	16.16	16.09	16.37	16.37	16.30		
20	256QAM	100	0	16.50	16.46	16.33	16.50	16.54		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2553.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	16.66	16.50	16.47	16.34	16.50	17.5	0
15	QPSK	1	37	16.45	16.45	16.56	16.46	16.58		
15	QPSK	1	74	16.19	16.28	16.33	16.30	16.27		
15	QPSK	36	0	16.40	16.34	16.43	16.46	16.59		
15	QPSK	36	20	16.30	16.39	16.51	16.40	16.48	17.5	0
15	QPSK	36	39	16.21	16.19	16.38	16.15	16.42		
15	QPSK	75	0	16.33	16.42	16.37	16.14	16.33		
15	16QAM	1	0	16.23	16.53	16.51	16.42	16.38		
15	16QAM	1	37	16.15	16.33	16.46	16.36	16.46	17.5	0
15	16QAM	1	74	16.30	16.24	16.34	16.25	16.36		
15	16QAM	36	0	16.15	16.39	16.35	16.36	16.39		
15	16QAM	36	20	16.23	16.28	16.46	16.28	16.39		
15	16QAM	36	39	16.43	16.23	16.35	16.33	16.51	17.5	0
15	16QAM	75	0	15.94	16.22	16.24	16.17	16.30		
15	64QAM	1	0	16.27	16.20	16.35	16.24	16.32		
15	64QAM	1	37	16.32	16.15	16.44	16.28	16.41		
15	64QAM	1	74	16.35	16.24	16.41	16.27	16.41	17.5	0
15	64QAM	36	0	16.41	16.39	16.28	16.14	16.35		
15	64QAM	36	20	16.16	16.26	16.31	16.31	16.28		
15	64QAM	36	39	16.26	16.23	16.33	16.28	16.34		
15	64QAM	75	0	16.22	16.30	16.26	16.44	16.32	17.5	0
15	256QAM	1	0	16.40	16.20	16.35	16.34	16.45		
15	256QAM	1	37	16.22	16.01	16.19	16.14	16.19		
15	256QAM	1	74	16.45	16.19	16.21	16.12	16.22		
15	256QAM	36	0	15.91	16.06	15.99	16.22	16.14	17.5	0
15	256QAM	36	20	16.24	16.27	16.19	16.20	16.30		
15	256QAM	36	39	16.03	16.09	16.19	16.29	16.13		
15	256QAM	75	0	16.38	16.31	16.29	16.43	16.43		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2551	2545.5	2593	2637.5	2683		
10	QPSK	1	0	16.51	16.55	16.38	16.26	16.64	17.5	0
10	QPSK	1	25	16.46	16.17	16.24	16.20	16.46		
10	QPSK	1	49	16.05	16.18	16.51	16.24	16.41		
10	QPSK	25	0	16.53	16.42	16.48	16.56	16.55		
10	QPSK	25	12	16.36	16.31	16.51	16.34	16.50	17.5	0
10	QPSK	25	25	16.09	16.29	16.40	16.31	16.48		
10	16QAM	50	0	16.28	16.29	16.40	16.24	16.31		
10	16QAM	1	0	16.14	16.49	16.46	16.35	16.29		
10	16QAM	1	25	16.13	15.97	15.95	16.11	16.19	17.5	0
10	16QAM	1	49	16.26	16.25	16.32	16.35	16.43		
10	16QAM	25	0	16.26	16.29	16.25	16.19	16.28		
10	16QAM	25	12	16.24	16.22	16.42	16.38	16.38		
10	16QAM	25	25	16.33	16.34	16.29	16.33	16.42	17.5	0
10	16QAM	50	0	16.98	16.17	16.14	16.34	16.23		
10	64QAM	1	0	16.23	16.17	16.14	16.30	16.35		
10	64QAM	1	25	16.32	16.24	16.38	16.31	16.32		
10	64QAM	1	49	16.43	16.29	16.35	16.14	16.37	17.5	0
10	64QAM	25	0	16.21	16.30	16.15	16.25	16.29		
10	64QAM	25	12	16.27	16.29	16.45	16.33	16.40		
10	64QAM	25	25	16.26	16.14	16.24	16.27	16.31		
10	64QAM	50	0	16.29	16.47	16.26	16.41	16.32	17.5	0
10	256QAM	1	0	16.34	16.37	16.34	16.36	16.30		
10	256QAM	1	25	16.38	16.15	16.19	16.10	16.25		
10	256QAM	1	49	16.25	16.30	16.22	16.01	16.25		
10	256QAM	25	0	16.08	15.99	16.04	16.25	16.15	17.5	0
10	256QAM	25	12	16.24	16.34	16.45	16.19	16.41		
10	256QAM	25	25	16.08	16.05	16.30	16.32	16.15		
10	256QAM	50	0	16.51	16.41	16.17	16.51	16.48		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2549.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	16.45	16.35	16.43	16.36	16.61	17.5	0
5	QPSK	1	12	16.47	16.21	16.05	16.22	16.37		
5	QPSK	1	24	16.17	16.11	16.39	16.25	16.43		
5	QPSK	12	0	16.43	16.44	16.44	16.42	16.55		
5	QPSK	12	7	16.43	16.27	16.48	16.31	16.41	17.5	0
5	QPSK	12	13	16.17	16.33	16.36	16.44	16.33		
5	QPSK	25	0	16.26	16.38	16.33	16.13	16.32		
5	16QAM	1	0	16.29	16.46	16.48	16.36	16.45		
5	16QAM	1	12	16.20	16.03	16.13	16.11	16.21	17.5	0
5	16QAM	1	24	16.25	16.14	16.18	16.24	16.48		
5	16QAM	12	0	16.20	16.44	16.18	16.22	16.35		
5	16QAM	12	7	16.16	16.22	16.52	16.21	16.30		
5	16QAM	12	13	16.21	16.29	16.21	16.51	16.53	17.5	0
5	16QAM	25	0	15.98	16.15	16.23	16.16	16.27		
5	64QAM	1	0	16.12	16.33	16.22	16.45	16.28		
5	64QAM	1	12	16.34	16.24	16.40	16.45	16.35		
5	64QAM	1	24	16.41	16.31	16.37	16.29	16.30	17.5	0
5	64QAM	12	0	16.41	16.29	16.16	16.07	16.30		
5	64QAM	12	7	16.16	16.36	16.44	16.36	16.33		
5	64QAM	12	13	16.41	16.21	16.29	16.22	16.15		
5	256QAM	1	0	16.22	16.46	16.16	16.38	16.34	17.5	0
5	256QAM	1	0	16.31	16.26	16.50	16.45	16.38		
5	256QAM	1	12	16.32	16.59	16.22	16.19	16.22		
5	256QAM	1	24	16.27	16.35	16.04	16.16	16.19		
5	256QAM	12	0	16.00	16.04	16.09	16.22	16.19	17.5	0
5	256QAM	12	7	16.26	16.16	16.39	16.28	16.22		
5	256QAM	12	13	16.18	16.04	16.17	16.28	16.24		
5	256QAM	25	0	16.38	16.37	16.25	16.33	16.55		

Band 41 (HPUE)_Ant 1														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				39750	40185	40620	41055	41490						
Frequency (MHz)				2506	2549.5	2593	2636.5	2680						
20	QPSK	1	0	18.01	17.94	18.14	18.06	18.19	19	0				
20	QPSK	1	49	17.85	17.92	17.88	17.80	17.98						
20	QPSK	1	99	17.97	17.74	18.03	17.98	18.07						
20	QPSK	50	0	17.87	18.03	18.02	17.95	18.11						
20	QPSK	50	24	17.85	17.99	17.94	17.93	18.08	19	0				
20	QPSK	50	50	17.76	18.02	17.97	17.94	18.06						
20	QPSK	100	0	17.98	17.76	17.93	17.97	18.05						
20	16QAM	1	0	18.02	17.69	17.78	17.78	18.00						
20	16QAM	1	49	17.82	17.86	17.89	17.73	17.97	19	0				
20	16QAM	1	99	17.73	17.93	17.81	17.78	18.01						
20	16QAM	50	0	17.75	17.75	17.84	17.78	17.90						
20	16QAM	50	24	17.86	17.84	17.92	17.89	18.03						
20	16QAM	50	50	17.68	17.72	17.85	17.77	17.85	19	0				
20	16QAM	100	0	17.91	17.83	17.61	17.72	17.95						
20	64QAM	1	0	17.91	17.87	17.68	17.89	18.06						
20	64QAM	1	49	17.87	18.04	18.00	17.91	18.09						
20	64QAM	1	99	17.76	18.05	17.83	17.70	18.13	19	0				
20	64QAM	50	0	17.89	17.50	17.91	17.69	17.94						
20	64QAM	50	24	17.70	17.63	17.97	17.72	17.93						
20	64QAM	50	50	17.91	17.73	17.48	17.73	17.93						
20	64QAM	100	0	17.86	17.97	17.79	17.97	18.00	19	0				
20	256QAM	1	0	17.87	17.89	17.68	17.95	18.02						
20	256QAM	1	49	17.81	17.77	17.60	17.75	17.80						
20	256QAM	1	99	17.80	18.02	17.95	18.00	18.00						
20	256QAM	50	0	17.96	17.87	17.84	17.78	18.05	19	0				
20	256QAM	50	24	17.87	18.02	18.01	17.75	18.10						
20	256QAM	50	50	17.95	17.99	17.85	17.89	17.89						
20	256QAM	100	0	18.09	17.85	17.72	18.04	18.02						
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm) MPR (dB)					
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5						
15	QPSK	1	0	17.92	17.91	18.07	18.04	18.01	19	0				
15	QPSK	1	37	17.75	17.84	17.87	17.78	17.80						
15	QPSK	1	74	17.82	17.76	18.04	17.81	17.89						
15	QPSK	36	0	17.82	17.90	17.83	17.83	18.02						
15	QPSK	36	20	17.67	17.81	17.79	17.80	17.94	19	0				
15	QPSK	36	39	17.72	17.85	17.89	17.86	17.88						
15	QPSK	75	0	18.00	17.67	17.90	17.86	17.92						
15	16QAM	1	0	17.90	17.51	17.71	17.68	17.88						
15	16QAM	1	37	17.65	17.86	17.89	17.70	17.95	19	0				
15	16QAM	1	74	17.67	17.90	17.74	17.86	17.94						
15	16QAM	36	0	17.68	17.77	17.74	17.83	17.76						
15	16QAM	36	20	17.68	17.82	17.74	17.82	17.89						
15	16QAM	36	39	17.56	17.63	17.77	17.79	17.74	19	0				
15	16QAM	75	0	17.81	17.66	17.44	17.61	17.91						
15	64QAM	1	0	17.90	17.75	17.58	17.89	18.01						
15	64QAM	1	37	17.83	17.86	17.82	17.85	17.98						
15	64QAM	1	74	17.65	18.02	17.72	17.60	18.03	19	0				
15	64QAM	36	0	17.77	17.37	17.93	17.68	17.77						
15	64QAM	36	20	17.67	17.63	17.89	17.55	17.91						
15	64QAM	36	39	17.81	17.74	17.41	17.67	17.92						
15	64QAM	75	0	17.73	17.90	17.81	17.83	17.96	19	0				
15	256QAM	1	0	17.76	17.86	17.63	17.95	17.93						
15	256QAM	1	37	17.83	17.67	17.44	17.57	17.81						
15	256QAM	1	74	17.78	17.85	17.97	17.76	17.84						
15	256QAM	36	0	17.94	17.72	17.85	17.77	17.92						
15	256QAM	36	20	17.80	18.00	17.84	17.66	18.11						
15	256QAM	36	39	17.77	17.94	17.82	17.74	17.76						
15	256QAM	75	0	18.09	17.81	17.66	17.88	17.84	19	0				
Channel				39700	40160	40620	41080	41540				Tune-up limit (dBm) MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685						
10	QPSK	1	0	17.83	17.80	18.04	17.89	18.10				19	0	
10	QPSK	1	25	17.76	17.88	17.73	17.76	17.96						
10	QPSK	1	49	17.93	17.56	17.89	17.85	18.04						
10	QPSK	25	0	17.83	17.85	17.99	17.93	18.05						
10	QPSK	25	12	17.85	17.97	17.80	17.83	18.04	19	0				
10	QPSK	25	25	17.66	17.84	17.93	17.80	18.01						
10	QPSK	50	0	17.94	17.59	17.88	17.82	17.90						
10	16QAM	1	0	17.86	17.62	17.60	17.75	17.86						
10	16QAM	1	25	17.66	17.87	17.88	17.59	17.89	19	0				
10	16QAM	1	49	17.58	17.95	17.73	17.72	17.99						
10	16QAM	25	0	17.64	17.58	17.85	17.66	17.78						
10	16QAM	25	12	17.85	17.67	17.81	17.73	17.98						
10	16QAM	25	25	17.59	17.61	17.69	17.62	17.85	19	0				
10	16QAM	50	0	17.88	17.74	17.54	17.66	17.88						
10	64QAM	1	0	17.80	17.74	17.70	17.86	18.06						
10	64QAM	1	25	17.78	17.98	18.00	17.78	18.05						
10	64QAM	1	49	17.80	17.96	17.79	17.56	18.09	19	0				
10	64QAM	25	0	17.86	17.43	17.91	17.56	17.80						
10	64QAM	25	12	17.69	17.57	17.82	17.54	17.89						
10	64QAM	25	25	17.77	17.71	17.30	17.61	17.91						
10	64QAM	50	0	17.78	17.98	17.78	17.62	18.01	19	0				
10	256QAM	1	0	17.77	17.83	17.65	17.77	17.89						
10	256QAM	1	25	17.79	17.71	17.50	17.69	17.62						
10	256QAM	1	49	17.80	18.04	17.91	17.75	17.97						
10	256QAM	25	0	17.96	17.83	17.73	17.80	17.98	19	0				
10	256QAM	25	12	17.78	17.62	17.88	17.57	17.95						
10	256QAM	25	25	17.87	17.82	17.72	17.71	17.80						
10	256QAM	50	0	17.94	17.84	17.61	18.03	17.93						
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm) MPR (dB)					
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5						
5	QPSK	1	0	17.91	17.76	18.04	18.06	18.15	19	0				
5	QPSK	1	12	17.77	17.79	17.72	17.78	17.99						
5	QPSK	1	24	17.90	17.71	17.86	17.90	18.03						
5	QPSK	12	0	17.85	17.94	17.92	17.94	17.93						
5	QPSK	12	7	17.78	17.94	17.67	17.75	18.05	19	0				
5	QPSK	12	13	17.70	17.89	17.93	17.77	17.93						
5	QPSK	25	0	17.81	17.63	17.76	17.84	17.89						
5	16QAM	1	0	17.94	17.67	17.61	17.66	17.95						
5	16QAM	1	12	17.71	17.68	17.83	17.68	17.94	19	0				
5	16QAM	1	24	17.75	17.84	17.63	17.64	17.96						
5	16QAM	12	0	17.98	17.70	17.67	17.84	17.85						
5	16QAM	12	7	17.72	17.80	17.75	17.75	17.89						
5	16QAM	12	13	17.69	17.63	17.84	17.66	17.67	19	0				
5	16QAM	25	0	17.90	17.67	17.58	17.56	17.86						
5	64QAM	1	0	17.88	17.86	17.51	17.88	18.01						
5	64QAM	1	12	17.88	17.88	17.99	17.80	18.09						
5	64QAM	1	24	17.71	17.90	17.84	17.63	18.09	19	0				
5	64QAM	12	0	17.76	17.47	17.84	17.55	17.91						
5	64QAM	12	7	17.57	17.86	17.86	17.65	17.95						
5	64QAM	12	13	17.88	17.65	17.43	17.69	17.93						
5	64QAM	25	0	17.69	17.87	17.67	17.82	17.96	19	0				
5	256QAM	1	0	17.70	17.76	17.61	17.94	17.99						
5	256QAM	1	12	17.81	17.71	17.48	17.61	17.67						
5	256QAM	1	24	17.80	17.90	17.83	17.76	18.02						
5	256QAM	12	0	17.90	17.86	17.84	17.72	17.98						
5	256QAM	12	7	17.86	17.85	17.84	17.65	17.92						
5	256QAM	12	13	17.76	17.91	17.70	17.74	17.76						
5	256QAM	25	0	17.98	17.69	17.84	17.94	17.88	19	0				

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				3790	3840	3900		
100	Pl2 BPSK	1	1	16.79	16.80	16.66	18.0	0.0
100	Pl2 BPSK	1	137	16.95	16.69	16.84		
100	Pl2 BPSK	1	271	16.94	16.93	16.77		
100	Pl2 BPSK	135	0	16.76	16.83	16.80	18.0	0.0
100	Pl2 BPSK	135	69	16.90	16.85	16.72	18.0	0.0
100	Pl2 BPSK	135	138	16.79	16.73	16.63	18.0	0.0
100	Pl2 BPSK	270	0	16.67	16.76	16.69		
100	QPSK	1	1	16.91	16.98	16.96		
100	QPSK	1	137	16.67	16.94	16.88	18.0	0.0
100	QPSK	1	271	16.76	16.95	16.80		
100	QPSK	135	0	16.89	16.81	16.71		
100	QPSK	135	69	16.72	16.95	16.94	18.0	0.0
100	QPSK	135	138	16.88	16.86	16.70		
100	QPSK	270	0	16.82	16.77	16.65		
100	16QAM	1	1	16.83	16.91	16.80	18.0	0.0
100	64QAM	1	1	16.68	16.84	16.71	18.0	0.0
100	256QAM	1	1	16.82	16.97	16.84	18.0	0.0
Channel								
Frequency (MHz)								
				649668	650000	650332	Tune-up limit	MPR
90	QPSK	1	1	16.78	16.92	16.96	18.0	0.0
Channel								
Frequency (MHz)								
				649334	650000	650666	Tune-up limit	MPR
80	QPSK	1	1	16.73	16.87	16.88	18.0	0.0
Channel								
Frequency (MHz)								
				3735	3840	3945	Tune-up limit	MPR
70	QPSK	1	1	16.88	16.82	16.95	18.0	0.0
Channel								
Frequency (MHz)								
				649334	650000	650666	Tune-up limit	MPR
60	QPSK	1	1	16.88	16.88	16.91	18.0	0.0
Channel								
Frequency (MHz)								
				3725.01	3740	3754.99	Tune-up limit	MPR
50	QPSK	1	1	16.74	16.94	16.93	19.0	0.0
Channel								
Frequency (MHz)								
				648000	650000	652000	Tune-up limit	MPR
40	QPSK	1	1	16.84	16.83	16.82	18.0	0.0
Channel								
Frequency (MHz)								
				3715.02	3840	3964.98	Tune-up limit	MPR
30	QPSK	1	1	16.79	16.94	16.95	18.0	0.0
Channel								
Frequency (MHz)								
				647334	650000	652666	Tune-up limit	MPR
20	QPSK	1	1	16.88	16.86	16.87	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				3790					
100	Pl2 BPSK	1	1		16.71		18.0	0.0	
100	Pl2 BPSK	1	137		16.81				
100	Pl2 BPSK	1	271		16.86				
100	Pl2 BPSK	135	0		16.68		18.0	0.0	
100	Pl2 BPSK	135	69		16.70		18.0	0.0	
100	Pl2 BPSK	135	138		16.97		18.0	0.0	
100	Pl2 BPSK	270	0		16.71				
100	QPSK	1	1		16.90				
100	QPSK	1	137		16.88		18.0	0.0	
100	QPSK	1	271		16.82				
100	QPSK	135	0		16.72				
100	QPSK	135	69		16.85		18.0	0.0	
100	QPSK	135	138		16.74				
100	QPSK	270	0		16.65				
100	16QAM	1	1		16.77		18.0	0.0	
100	64QAM	1	1		16.71		18.0	0.0	
100	256QAM	1	1		16.87		18.0	0.0	
Channel									
Frequency (MHz)									
				649668	650000	650332	Tune-up limit	MPR	
90	QPSK	1	1		16.82	16.89	16.84	18.0	0.0
Channel									
Frequency (MHz)									
				649334	650000	650666	Tune-up limit	MPR	
80	QPSK	1	1		16.68	16.86	16.71	18.0	0.0
Channel									
Frequency (MHz)									
				3735	3790	3765	Tune-up limit	MPR	
70	QPSK	1	1	16.68	16.82	16.82	18.0	0.0	
Channel									
Frequency (MHz)									
				649668	650000	650332	Tune-up limit	MPR	
60	QPSK	1	1	16.84	16.71	16.69	18.0	0.0	
Channel									
Frequency (MHz)									
				3725.01	3750	3744.99	Tune-up limit	MPR	
50	QPSK	1	1	16.72	16.74	16.77	19.0	0.0	
Channel									
Frequency (MHz)									
				648000	650000	652000	Tune-up limit	MPR	
40	QPSK	1	1	16.69	16.72	16.84	18.0	0.0	
Channel									
Frequency (MHz)									
				649668	650000	650332	Tune-up limit	MPR	
30	QPSK	1	1	16.80	16.77	16.83	18.0	0.0	
Channel									
Frequency (MHz)									
				647334	650000	652666	Tune-up limit	MPR	
20	QPSK	1	1	16.76	16.74	16.85	18.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				3790	3840	3900		
100	Pl2 BPSK	1	1	19.81	19.56	19.46	21.0	0.0
100	Pl2 BPSK	1	137	19.71	19.69	19.64		
100	Pl2 BPSK	1	271	19.61	19.53	19.02		
100	Pl2 BPSK	135	0	18.69	18.82	18.87	20.5	0.5
100	Pl2 BPSK	135	69	19.03	19.00	19.14	21.0	0.0
100	Pl2 BPSK	135	138	18.55	18.52	18.53	20.5	0.5
100	Pl2 BPSK	270	0	18.56	19.54	19.41		
100	QPSK	1	1	19.72	19.83	19.67		
100	QPSK	1	137	19.51	19.17	19.23	21.0	0.0
100	QPSK	1	271	19.47	19.11	19.05		
100	QPSK	135	0	18.66	18.54	18.51		
100	QPSK	135	69	19.71	19.80	19.35	21.0	0.0
100	QPSK	135	138	18.47	18.26	18.35		
100	QPSK	270	0	18.69	18.79	18.34		
100	16QAM	1	1	18.91	18.70	18.12	20.0	1.0
100	64QAM	1	1	18.53	17.19	16.60	18.5	2.5
100	256QAM	1	1	18.82	15.73	15.14	16.5	4.5
Channel								
Frequency (MHz)								
				649668	650000	652332	Tune-up limit	MPR
90	QPSK	1	1	19.38	19.90	19.40	21.0	0.0
Channel								
Frequency (MHz)								
				649334	650000	650666	Tune-up limit	MPR
80	QPSK	1	1	19.42	19.45	19.46	21.0	0.0
Channel								
Frequency (MHz)								
				3735	3840	3945	Tune-up limit	MPR
70	QPSK	1	1	19.49	19.53	19.37	21.0	0.0
Channel								
Frequency (MHz)								
				649668	650000	652332	Tune-up limit	MPR
60	QPSK	1	1	19.38	19.49	19.37	21.0	0.0
Channel								
Frequency (MHz)								
				3725.01	3840	3944.99	Tune-up limit	MPR
50	QPSK	1	1	19.39	19.56	19.46	21.0	0.0
Channel								
Frequency (MHz)								
				648000	650000	652000	Tune-up limit	MPR
40	QPSK	1	1	19.46	19.52	19.45	21.0	0.0
Channel								
Frequency (MHz)								
				647668	650000	652332	Tune-up limit	MPR
30	QPSK	1	1	19.46	19.50	19.36	21.0	0.0
Channel								
Frequency (MHz)								
				647335	650000	652665	Tune-up limit	MPR
20	QPSK	1	1	19.70	19.34	19.69	21.0	0.0

Part27O_n78_Ant 3										
BW (MHz)	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)										
100	P12 BPSK	1	1		19.91		21.0	0.0		
100	P12 BPSK	1	137		19.93					
100	P12 BPSK	1	271		19.79					
100	P12 BPSK	135	0		18.82		20.5	0.5		
100	P12 BPSK	135	69		19.83		21.0	0.0		
100	P12 BPSK	135	138		18.81		20.5	0.5		
100	P12 BPSK	270	0		18.88		21.0	0.0		
100	QPSK	1	1		19.98					
100	QPSK	1	137		19.91					
100	QPSK	1	271		19.84		21.0	0.0		
100	QPSK	135	0		19.06					
100	QPSK	135	69		19.95					
100	QPSK	135	138		19.11		20.5	1.0		
100	QPSK	270	0		18.73					
100	16QAM	1	1		19.42		20.9	1.0		
100	64QAM	1	1		17.63		18.5	2.5		
100	256QAM	1	1		15.53		16.5	4.5		
Channel										
Frequency (MHz)										
50	QPSK	1	1		19.89	19.61	19.73	21.0	0.0	
Channel										
Frequency (MHz)										
80	QPSK	1	1		19.74	19.42	19.75	21.0	0.0	
Channel										
Frequency (MHz)										
70	QPSK	1	1		19.92	19.91	19.74	21.0	0.0	
Channel										
Frequency (MHz)										
60	QPSK	1	1		19.77	19.72	19.70	21.0	0.0	
Channel										
Frequency (MHz)										
50	QPSK	1	1		19.89	19.87	19.63	21.0	0.0	
Channel										
Frequency (MHz)										
40	QPSK	1	1		19.75	19.62	19.62	21.0	0.0	
Channel										
Frequency (MHz)										
30	QPSK	1	1		19.97	19.76	19.79	21.0	0.0	
Channel										
Frequency (MHz)										
20	QPSK	1	1		19.75	19.58	19.76	21.0	0.0	

Part27O_n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 660000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	19.41	19.43	19.31	21.0	0.0	
100	P12 BPSK	1	137	19.46	19.52	19.37			
100	P12 BPSK	1	271	19.27	19.34	19.08			
100	P12 BPSK	135	0	18.60	18.63	18.54	20.5	0.5	
100	P12 BPSK	135	69	19.37	19.42	19.36	21.0	0.0	
100	P12 BPSK	135	138	18.51	18.59	18.52	20.5	0.5	
100	P12 BPSK	270	0	18.58	18.56	18.64	20.5	0.5	
100	QPSK	1	1	19.24	19.58	19.45	21.0	0.0	
100	QPSK	1	137	19.15	19.03	19.01			
100	QPSK	1	271	19.18	19.05	19.00			
100	QPSK	135	0	18.21	18.35	18.20	21.0	0.0	
100	QPSK	135	69	19.10	19.53	19.35	21.0	0.0	
100	QPSK	135	138	18.35	18.29	18.11			
100	QPSK	270	0	18.27	18.46	18.20	20.0	1.0	
100	16QAM	1	1	18.24	18.52	18.17	20.0	1.0	
100	64QAM	1	1	16.67	16.96	16.92	18.5	2.5	
100	256QAM	1	1	15.09	15.33	15.25	16.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	19.48	19.47	19.41	21.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.51	19.53	19.45	21.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.56	19.55	19.41	21.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.52	19.47	19.43	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.54	19.45	19.42	21.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.56	19.54	19.45	21.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.52	19.45	19.48	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.50	19.54	19.49	21.0	0.0	

Part27O_n78_Ant 5										
BW (MHz)	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)										
100	P12 BPSK	1	1		19.32		21.0	0.0		
100	P12 BPSK	1	137		19.23					
100	P12 BPSK	1	271		19.26					
100	P12 BPSK	135	0		19.17		20.5	0.5		
100	P12 BPSK	135	69		19.22		21.0	0.0		
100	P12 BPSK	135	138		19.29		20.5	0.5		
100	P12 BPSK	270	0		19.22		21.0	0.0		
100	QPSK	1	1		19.42					
100	QPSK	1	137		19.33					
100	QPSK	1	271		19.22		21.0	0.0		
100	QPSK	135	0		18.33					
100	QPSK	135	69		19.22					
100	QPSK	135	138		18.29		20.0	1.0		
100	QPSK	270	0		18.41					
100	16QAM	1	1		18.29		20.0	1.0		
100	64QAM	1	1		16.75		18.5	2.5		
100	256QAM	1	1		15.16		16.5	4.5		
Channel										
Frequency (MHz)										
50	QPSK	1	1		19.34	19.40	19.12	21.0	0.0	
Channel										
Frequency (MHz)										
80	QPSK	1	1		19.32	19.39	19.19	21.0	0.0	
Channel										
Frequency (MHz)										
70	QPSK	1	1		19.33	19.32	19.31	21.0	0.0	
Channel										
Frequency (MHz)										
60	QPSK	1	1		19.33	19.33	19.19	21.0	0.0	
Channel										
Frequency (MHz)										
50	QPSK	1	1		19.31	19.31	19.14	21.0	0.0	
Channel										
Frequency (MHz)										
40	QPSK	1	1		19.15	19.41	19.14	21.0	0.0	
Channel										
Frequency (MHz)										
30	QPSK	1	1		19.18	19.34	19.20	21.0	0.0	
Channel										
Frequency (MHz)										
20	QPSK	1	1		19.32	19.25	19.29	21.0	0.0	

Part270_n77_Ant 7									
BW [MHz]	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)									
100	Pl2 BPSK	1	1	19.39	19.41	19.43	21.0	0.0	
100	Pl2 BPSK	1	137	19.49	19.75	19.58			
100	Pl2 BPSK	1	271	19.31	19.64	19.49			
100	Pl2 BPSK	135	0	18.54	18.54	18.57	20.5	0.5	
100	Pl2 BPSK	135	69	19.35	19.60	19.48	21.0	0.0	
100	Pl2 BPSK	135	138	18.56	18.56	18.52	20.5	0.5	
100	Pl2 BPSK	270	0	18.53	18.53	18.57			
100	QPSK	1	1	20.15	20.23	20.07			
100	QPSK	1	137	20.13	20.22	20.05	21.0	0.0	
100	QPSK	1	271	20.03	19.95	19.77			
100	QPSK	135	0	18.76	18.64	18.54			
100	QPSK	135	69	19.75	20.16	19.95	21.0	0.0	
100	QPSK	135	138	18.83	18.82	18.57			
100	QPSK	270	0	18.66	18.50	18.56	20.0	1.0	
100	16QAM	1	1	18.96	18.76	18.65	20.0	1.0	
100	64QAM	1	1	17.41	17.26	17.27	18.5	2.5	
100	256QAM	1	1	15.45	15.36	15.35	16.5	4.5	
Channel									
				649668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)									
3745.02 3760 3784.98									
90	QPSK	1	1	19.91	20.03	19.91	21.0	0.0	
Channel									
				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)									
3740.01 3840 3939.99									
80	QPSK	1	1	19.97	20.04	19.96	21.0	0.0	
Channel									
				645000	650000	655000	Tune-up limit	MPR	
Frequency (MHz)									
3735 3840 3945									
70	QPSK	1	1	19.91	20.09	19.94	21.0	0.0	
Channel									
				649668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)									
3730.02 3840 3945.98									
60	QPSK	1	1	19.86	19.95	19.82	21.0	0.0	
Channel									
				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)									
3725.01 3740 3764.99									
50	QPSK	1	1	19.93	20.06	19.93	21.0	0.0	
Channel									
				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)									
3720 3760 3860									
40	QPSK	1	1	19.91	20.08	19.90	21.0	0.0	
Channel									
				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)									
3715.02 3840 3964.98									
30	QPSK	1	1	19.80	20.07	20.00	21.0	0.0	
Channel									
				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)									
3710.01 3840 3965.99									
20	QPSK	1	1	19.92	19.96	19.93	21.0	0.0	

Part270_n78_Ant 7									
BW [MHz]	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)									
100	Pl2 BPSK	1	1		19.18		21.0	0.0	
100	Pl2 BPSK	1	137		19.37				
100	Pl2 BPSK	1	271		19.32				
100	Pl2 BPSK	135	0		19.29		20.5	0.5	
100	Pl2 BPSK	135	69		19.26		21.0	0.0	
100	Pl2 BPSK	135	138		19.24		20.5	0.5	
100	Pl2 BPSK	270	0		19.14				
100	QPSK	1	1		20.20				
100	QPSK	1	137		20.18		21.0	0.0	
100	QPSK	1	271		20.11				
100	QPSK	135	0		19.11				
100	QPSK	135	69		20.18		21.0	0.0	
100	QPSK	135	138		19.23				
100	QPSK	270	0		19.79		20.0	1.0	
100	16QAM	1	1		18.52		20.0	1.0	
100	64QAM	1	1		16.97		18.5	2.5	
100	256QAM	1	1		14.97		16.5	4.5	
Channel									
				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)									
				3745.02	3760	3784.98			
90	QPSK	1	1		19.98	19.99	19.88	21.0	0.0
Channel									
				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)									
				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1		19.98	19.96	20.01	21.0	0.0
Channel									
				645000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)									
				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		20.11	20.07	20.05	21.0	0.0
Channel									
				649668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)									
				3730.02	3750	3769.98	(dBm)	(dB)	
60	QPSK	1	1		20.12	20.18	19.99	21.0	0.0
Channel									
				649334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)									
				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1		19.94	20.17	19.98	21.0	0.0
Channel									
				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)									
				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		19.89	19.96	19.97	21.0	0.0
Channel									
				647000	650000	652332	Tune-up limit	MPR	
Frequency (MHz)									
				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1		20.16	20.18	20.17	21.0	0.0
Channel									
				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)									
				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1		20.16	20.08	19.96	21.0	0.0

Reduced Power for DSI 3

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		30.74	30.44	30.64	31.50	21.74	21.44	21.64	22.50
GPRS 1 Tx slot		30.71	30.42	30.62	31.50	21.71	21.42	21.62	22.50
GPRS 2 Tx slots		28.12	27.69	28.03	29.00	22.12	21.69	22.03	23.00
GPRS 3 Tx slots		26.41	26.26	26.44	27.00	22.15	22.00	22.18	22.74
GPRS 4 Tx slots		25.06	24.74	24.93	25.50	22.06	21.74	21.93	22.50
EDGE 1 Tx slot		25.60	25.34	25.47	26.00	16.60	16.34	16.47	17.00
EDGE 2 Tx slots		23.49	23.49	23.58	24.50	17.49	17.49	17.58	18.50
EDGE 3 Tx slots		21.39	21.42	21.51	22.00	17.13	17.16	17.25	17.74
EDGE 4 Tx slots		19.41	19.48	19.50	20.00	16.41	16.48	16.50	17.00

GSM1900_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		25.80	25.56	25.69	26.00	16.80	16.56	16.69	17.00
GPRS 1 Tx slot		25.78	25.54	25.67	26.00	16.78	16.54	16.67	17.00
GPRS 2 Tx slots		23.79	23.61	23.69	24.00	17.79	17.61	17.69	18.00
GPRS 3 Tx slots		21.92	21.64	21.77	22.50	17.66	17.38	17.51	18.24
GPRS 4 Tx slots		19.78	19.88	19.77	20.50	16.78	16.88	16.77	17.50
EDGE 1 Tx slot		22.52	22.09	22.31	23.00	13.52	13.09	13.31	14.00
EDGE 2 Tx slots		19.47	19.26	19.07	20.00	13.47	13.26	13.07	14.00
EDGE 3 Tx slots		18.52	18.24	18.16	19.00	14.26	13.98	13.90	14.74
EDGE 4 Tx slots		16.19	16.21	16.07	17.00	13.19	13.21	13.07	14.00

Band		WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA IV_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	17.50	17.53	17.43	18.00	18.80	18.77	18.66	19.50	22.06	22.12	22.10	23.00
3GPP Rel 99	RMC 12.2Kbps	17.52	17.55	17.46	18.00	18.82	18.84	18.68	19.50	22.08	22.15	22.12	23.00
3GPP Rel 6	HSDPA Subtest-1	16.54	16.45	16.46	17.00	17.76	18.04	18.01	18.50	21.02	20.97	20.97	22.00
3GPP Rel 6	HSDPA Subtest-2	16.55	16.42	16.59	17.00	17.96	18.13	18.19	18.50	20.94	21.06	21.01	22.00
3GPP Rel 6	HSDPA Subtest-3	15.98	16.14	15.90	16.50	17.37	17.61	17.64	18.00	20.46	20.60	20.55	21.50
3GPP Rel 6	HSDPA Subtest-4	15.98	16.07	15.92	16.50	17.38	17.04	17.60	18.00	20.48	20.53	20.47	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	16.53	16.52	16.55	17.00	17.63	17.87	17.97	18.50	20.89	20.85	20.75	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	16.42	16.31	16.33	17.00	17.84	17.91	18.13	18.50	21.01	20.73	20.78	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	16.00	15.86	16.03	16.50	17.34	17.25	17.43	18.00	20.38	20.47	20.61	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	15.80	16.04	15.80	16.50	17.27	16.97	17.46	18.00	20.35	20.33	20.43	21.50
3GPP Rel 6	HSUPA Subtest-1	16.44	16.52	16.53	17.00	17.81	18.08	18.11	18.50	20.95	20.94	21.09	22.00
3GPP Rel 6	HSUPA Subtest-2	14.48	14.59	14.53	15.00	15.80	16.17	16.13	16.50	18.92	18.87	19.07	20.00
3GPP Rel 6	HSUPA Subtest-3	15.56	15.64	15.56	16.00	16.67	16.90	17.05	17.50	20.12	20.05	19.93	21.00
3GPP Rel 6	HSUPA Subtest-4	14.46	14.68	14.59	15.00	15.84	16.06	16.11	16.50	18.98	19.07	19.02	20.00
3GPP Rel 6	HSUPA Subtest-5	16.38	16.60	16.55	17.00	17.91	18.02	18.11	18.50	21.08	21.12	20.92	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.48	14.52	14.45	15.00	16.03	16.14	16.19	16.50	19.15	19.13	19.16	20.00

Band 2_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-up time (s)	MPE (dB)		
Channel										
Frequency (MHz)				18700	18800	19000				
20	QPSK	1	0	16.90	16.90	17.00				
20	QPSK	1	49	16.90	16.82	16.78	18	0		
20	QPSK	1	99	16.81	16.75	16.81				
20	QPSK	50	0	16.90	16.80	17.00				
20	QPSK	50	24	16.93	16.85	16.85	18	0		
20	QPSK	50	50	16.94	16.72	16.84				
20	QPSK	100	0	16.94	16.80	16.97				
20	16QAM	1	0	17.00	17.00	16.90				
20	16QAM	1	49	16.97	16.85	17.01	18	0		
20	16QAM	1	99	16.97	16.93	17.00				
20	16QAM	50	0	16.90	16.73	16.91				
20	16QAM	50	24	16.91	16.70	16.71	18	0		
20	16QAM	50	50	16.92	16.85	16.77				
20	16QAM	100	0	16.85	16.76	16.88				
20	64QAM	1	0	16.94	17.00	16.95				
20	64QAM	1	49	16.90	16.72	16.90	18	0		
20	64QAM	1	99	16.90	16.96	16.90				
20	64QAM	50	0	16.90	16.73	16.91				
20	64QAM	50	24	16.91	16.70	16.71	18	0		
20	64QAM	50	50	16.90	16.85	16.83				
20	64QAM	100	0	16.74	16.63	16.60				
20	256QAM	1	0	16.96	16.84	16.98				
20	256QAM	1	49	17.01	16.98	17.01	18	0		
20	256QAM	1	99	17.00	16.97	16.97				
20	256QAM	50	0	16.96	16.86	16.90				
20	256QAM	50	24	16.97	16.79	16.86	18	0		
20	256QAM	50	50	16.94	16.92	16.74				
20	256QAM	100	0	16.83	16.81	16.91	Turn-up time (s)	MPE (dB)		
Channel										
Frequency (MHz)				18800	18900	19100				
15	QPSK	1	0	16.79	16.89	16.96				
15	QPSK	1	37	16.87	16.70	16.99	18	0		
15	QPSK	1	74	16.83	16.76	16.83				
15	QPSK	36	0	16.76	16.83	17.21				
15	QPSK	36	20	16.98	16.88	16.78	18	0		
15	QPSK	36	39	17.00	16.71	16.89				
15	QPSK	75	0	17.00	16.89	16.89				
15	16QAM	1	0	16.81	16.82	16.81				
15	16QAM	1	37	16.79	16.93	16.81				
15	16QAM	1	74	16.85	16.89	16.80				
15	16QAM	36	0	16.85	16.81	16.90				
15	16QAM	36	20	16.83	16.70	16.80	18	0		
15	16QAM	36	39	16.90	16.90	16.78				
15	16QAM	75	0	16.77	16.84	16.92				
15	64QAM	1	0	16.84	17.01	16.78				
15	64QAM	1	37	16.81	16.75	16.84	20	0		
15	64QAM	1	74	16.98	16.94	16.92				
15	64QAM	36	0	16.90	16.83	16.92				
15	64QAM	36	20	16.76	16.92	16.78	20	0		
15	64QAM	36	39	16.91	16.70	16.85				
15	64QAM	1	0	16.82	16.82	16.85				
15	256QAM	1	0	16.76	16.73	17.00				
15	256QAM	1	37	16.84	16.80	16.78	18	0		
15	256QAM	1	74	16.76	16.76	16.81				
15	256QAM	36	0	16.90	16.81	16.93				
15	256QAM	36	20	16.87	16.68	16.77	18	0		
15	256QAM	36	39	16.93	16.80	16.80				
15	256QAM	75	0	16.85	16.67	16.90				
Channel										
Frequency (MHz)				18900	19000	19000				
10	QPSK	1	0	17.01	16.81	16.82				
10	QPSK	1	25	16.94	16.98	16.95	18	0		
10	QPSK	1	49	16.72	16.87	16.44				
10	QPSK	25	0	16.96	16.86	16.96				
10	QPSK	25	12	16.79	16.68	16.76	18	0		
10	QPSK	25	25	16.81	16.70	16.83				
10	QPSK	80	0	16.83	16.85	16.84				
10	16QAM	1	0	16.89	16.88	16.97				
10	16QAM	1	25	16.89	16.68	17.00				
10	16QAM	1	49	16.70	16.67	16.71	18	0		
10	16QAM	25	12	16.85	16.87	16.89				
10	16QAM	25	25	16.87	16.70	16.80	18	0		
10	16QAM	50	0	16.91	16.79	16.76				
10	16QAM	50	1	16.86	16.77	16.80				
10	64QAM	1	0	16.86	16.84	16.70				
10	64QAM	1	49	16.88	16.85	17.00				
10	64QAM	25	0	16.94	16.70	16.84				
10	64QAM	25	12	16.72	16.48	16.56	18	0		
10	64QAM	25	25	16.80	16.85	16.80				
10	64QAM	50	0	16.87	16.90	16.41				
10	256QAM	1	0	16.92	16.70	16.81				
10	256QAM	1	25	16.87	16.95	16.84	18	0		
10	256QAM	1	49	17.01	16.98	16.76				
10	256QAM	25	0	16.94	16.96	16.88				
10	256QAM	25	12	16.81	16.85	16.80	18	0		
10	256QAM	25	25	16.82	16.92	16.68				
10	256QAM	50	0	16.60	16.85	16.82				
Channel										
Frequency (MHz)				19000	19050	19070				
5	QPSK	1	0	16.83	16.73	16.84				
5	QPSK	1	12	16.74	16.77	16.83	18	0		
5	QPSK	1	24	16.82	16.71	16.80				
5	QPSK	12	0	16.72	16.70	16.86				
5	QPSK	12	7	16.69	16.89	16.87				
5	QPSK	12	13	16.83	16.81	16.71				
5	QPSK	25	0	16.94	16.78	16.74				
5	16QAM	1	0	16.80	16.90	16.84				
5	16QAM	1	12	17.00	16.80	16.97	18	0		
5	16QAM	1	24	16.83	16.97	16.88				
5	16QAM	12	0	16.80	16.73	16.83				
5	16QAM	12	7	16.82	16.86	16.86				
5	16QAM	12	13	16.79	16.87	16.71	18	0		
5	16QAM	25	0	16.87	16.96	16.81				
5	64QAM	1	0	16.81	16.76	16.80				
5	64QAM	1	12	16.92	16.62	16.91	18	0		
5	64QAM	1	24	16.80	16.88	17.21				
5	64QAM	12	0	16.76	16.87	16.97				
5	64QAM	12	7	16.78	16.67	16.47	18	0		
5	64QAM	12	13	16.85	16.75	16.62				
5	64QAM	25	0	16.82	16.47	16.95				
5	256QAM	1	0	16.84	16.84	16.84				
5	256QAM	1	12	17.00	16.93	16.97	18	0		
5	256QAM	1	24	16.90	16.76	16.77				
5	256QAM	12	0	16.91	16.86	16.80				
5	256QAM	12	7	16.90	16.81	16.73	18	0		
5	256QAM	12	13	16.88	16.70	16.52				
5	256QAM	25	0	16.74	16.61	16.70				
Channel										
Frequency (MHz)				19050	19080	19185				
3	QPSK	1	0	16.84	16.93	16.86				
3	QPSK	1	8	16.81	16.78	16.78	18	0		
3	QPSK	1	14	16.71	16.98	16.45				
3	QPSK	1	20	16.81	16.79	16.80				
3	QPSK	8	4	16.74	16.87	16.80				
3	QPSK	8	7	16.81	16.98	16.80				
3	QPSK	8	10	16.98	16.72	16.84	18	0		
3	16QAM	1	0	16.84	16.94	16.87				
3	16QAM	1	8	16.74	16.82	16.82				
3	16QAM	1	14	16.80	16.86	16.86				
3	16QAM	8	0	16.71	16.82	16.79				
3	16QAM	8	4	16.70	16.64	16.72				
3	16QAM	8	7	16.86	16.76	16.76	18	0		
3	16QAM	15	0	16.79	16.84	16.84				
3	16QAM	1	0	16.79	16.85	16.72				
3	16QAM	1	8	16.87	16.76	16.84				
3	16QAM	1	14	16.78	16.77	16.78				
3	16QAM	8	0	16.71	16.63	16.70				
3	16QAM	8	4	16.80	16.60	16.54				
3	16QAM	8	7	16.95	16.95	16.85				
3	16QAM	15	0	16.54	16.38	16.48				
3	256QAM	1	0	16.87	16.76	16.97				
3	256QAM	1	8	16.98	17.00	16.80				
3	256QAM	1	14	16.99	17.01	16.80				
3	256QAM	8	0	16.78	16.93	16.79				
3	256QAM	8	4	16.79	16.68	16.85	18	0		
3	256QAM	8	7	16.76	16.73	16.68				
3	256QAM	15	0	16.74	16.77	16.69				
Channel										
Frequency (MHz)				18970 <th>18980</th> <th>19093.3<th></th><th></th><th colspan="2"></th></th>	18980	19093.3 <th></th> <th></th> <th colspan="2"></th>				
1.4	QPSK	1	0	16.82	16.88	16.82				
1.4	QPSK	1	3	16.96	16.83	16.83				
1.4	QPSK	1	7	16.79	16.79	16.81	18	0		
1.4	QPSK	3	0	16.86	16.96	16.85				
1.4	QPSK	3	1	16.80	16.90	16.81				
1.4	QPSK	3	16	16.74	16.60	16.82	18	0		
1.4	QPSK	6	0	16.88	16.71	16.96				
1.4	16QAM	1	0	16.91	16.99	16.78				
1.4	16QAM	1	3	16.80	16.86	16.86				
1.4	16									

Band 17_Ant 0									
BW (MHz)	Modulation	RB Box	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tolerance (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.55	22.52	22.51			
10	QPSK	1	25	22.51	22.52	22.52	24	0	
10	QPSK	48	0	22.56	22.52	22.58			
10	QPSK	25	0	22.16	22.27	22.24			
10	QPSK	25	12	22.12	22.12	22.20	23	1	
10	QPSK	25	25	22.15	22.24	22.12			
10	QPSK	50	0	22.17	22.23	22.20			
10	HQDM	1	0	22.35	22.36	22.70			
10	HQDM	1	25	22.43	22.35	22.53	23	1	
10	HQDM	1	48	22.43	22.28	22.70			
10	HQDM	25	0	21.35	21.22	21.37			
10	HQDM	25	12	21.35	21.22	21.28	22	2	
10	HQDM	25	25	21.10	21.24	21.14			
10	HQDM	50	0	21.28	21.20	21.23			
10	HQDM	1	0	21.52	21.38	21.36			
10	HQDM	1	25	21.74	21.54	21.33	22	2	
10	HQDM	1	48	21.47	21.51	21.40			
10	HQDM	25	0	20.27	20.22	20.38			
10	HQDM	25	12	20.44	20.28	20.35	21	3	
10	HQDM	25	25	20.35	20.18	20.27			
10	HQDM	50	0	20.38	20.32	20.28			
10	SSBDM	1	0	17.68	17.71	17.80			
10	SSBDM	1	25	17.88	17.77	17.85	19	5	
10	SSBDM	1	48	17.88	17.70	17.79			
10	SSBDM	25	0	17.70	17.71	17.86			
10	SSBDM	25	12	17.86	17.67	17.94	19	5	
10	SSBDM	25	25	17.73	17.65	17.74			
10	SSBDM	50	0	17.65	17.55	17.72			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.87	22.96	23.00			
5	QPSK	1	12	22.88	22.77	22.90	24	0	
5	QPSK	1	24	22.84	22.89	23.01			
5	QPSK	12	0	22.28	22.28	22.18			
5	QPSK	12	7	22.30	22.07	22.11			
5	QPSK	12	13	22.39	22.20	22.27	23	1	
5	QPSK	25	0	22.35	22.09	22.29			
5	HQDM	1	0	22.47	22.46	22.56			
5	HQDM	1	12	22.45	22.42	22.43	23	1	
5	HQDM	1	24	22.47	22.22	22.52			
5	HQDM	12	0	21.37	21.14	21.44			
5	HQDM	12	7	21.38	21.08	21.25	22	2	
5	HQDM	12	13	21.27	21.09	21.06			
5	HQDM	25	0	21.13	21.10	21.19			
5	HQDM	1	0	21.38	21.28	21.35	22	2	
5	HQDM	1	12	21.74	21.57	21.30			
5	HQDM	1	24	21.50	21.40	21.42			
5	HQDM	12	0	20.35	20.20	20.44	21	3	
5	HQDM	12	7	20.35	20.25	20.44			
5	HQDM	12	13	20.14	20.15	20.22			
5	HQDM	25	0	20.35	20.32	20.33			
5	SSBDM	1	0	17.79	17.65	17.68			
5	SSBDM	1	12	17.83	17.63	17.80	19	5	
5	SSBDM	1	24	17.77	17.78	17.87			
5	SSBDM	12	0	17.69	17.62	17.72			
5	SSBDM	12	7	17.84	17.59	17.88	19	5	
5	SSBDM	12	13	17.57	17.53	17.71			
5	SSBDM	25	0	17.57	17.62	17.72			

Band 26_Ant 0										
BW (MHz)	Modulation	RB Box	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tolerance (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.13	21.20	21.21				
15	QPSK	1	37	21.12	21.17	21.18	22.5	0		
15	QPSK	1	74	21.07	21.16	21.15				
15	QPSK	36	0	21.10	21.28	21.25				
15	QPSK	36	20	21.11	21.27	21.17	22.5	0		
15	QPSK	36	36	21.20	21.25	21.24				
15	QPSK	74	0	21.13	21.19	21.09				
15	HQDM	1	0	21.01	21.15	21.02				
15	HQDM	1	37	21.11	21.21	21.13	22.5	0		
15	HQDM	1	74	21.14	21.28	21.15				
15	HQDM	36	0	20.51	20.86	20.51				
15	HQDM	36	20	20.69	20.71	20.75	22	0.5		
15	HQDM	36	36	20.69	20.67	20.61				
15	HQDM	74	0	20.46	20.61	20.44				
15	HQDM	1	0	20.63	20.66	20.54				
15	HQDM	1	37	20.37	20.76	20.65	22	0.5		
15	HQDM	1	74	20.37	20.89	20.32				
15	HQDM	36	0	19.49	19.66	19.62				
15	HQDM	36	20	19.51	19.72	19.75	21	1.5		
15	HQDM	36	36	19.74	19.75	19.69				
15	HQDM	74	0	19.67	19.66	19.65				
15	SSBDM	1	0	17.57	17.61	17.56				
15	SSBDM	1	37	17.37	17.35	17.25	19	3.5		
15	SSBDM	1	74	17.50	17.68	17.50				
15	SSBDM	36	0	17.46	17.29	17.35				
15	SSBDM	36	20	17.29	17.46	17.47	19	3.5		
15	SSBDM	36	36	17.54	17.50	17.42				
15	SSBDM	74	0	17.40	17.41	17.25				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.96	21.22	21.05				
10	QPSK	1	24	21.01	21.29	21.16	22.5	0		
10	QPSK	1	48	21.11	20.98	20.95				
10	QPSK	25	0	21.28	21.22	21.22				
10	QPSK	25	12	21.18	21.27	21.17				
10	QPSK	25	25	21.25	21.19	21.24	22.5	0		
10	QPSK	50	0	21.09	21.22	21.14				
10	HQDM	1	0	20.98	21.28	21.09				
10	HQDM	1	25	20.90	21.20	20.95	22.5	0		
10	HQDM	1	48	20.98	21.28	21.10				
10	HQDM	25	0	20.96	20.47	20.96				
10	HQDM	25	12	20.95	20.78	20.99	22	0.5		
10	HQDM	25	25	20.67	20.53	20.60				
10	HQDM	50	0	20.42	20.47	20.36				
10	HQDM	1	0	20.45	20.27	20.61				
10	HQDM	1	25	20.54	20.68	20.65	22	0.5		
10	HQDM	1	48	20.92	20.89	20.86				
10	HQDM	25	0	19.54	19.65	19.66				
10	HQDM	25	12	19.46	19.65	19.51	21	1.5		
10	HQDM	25	25	19.65	19.73	19.54				
10	HQDM	50	0	19.67	19.60	19.44				
10	SSBDM	1	0	17.65	17.49	17.53				
10	SSBDM	1	25	17.31	17.25	17.24	19	3.5		
10	SSBDM	1	48	17.45	17.38	17.46				
10	SSBDM	25	0	17.33	17.34	17.21				
10	SSBDM	25	12	17.18	17.24	17.43	19	3.5		
10	SSBDM	25	25	17.34	17.37	17.46				
10	SSBDM	50	0	17.32	17.42	17.33				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.02	21.19	21.08				
5	QPSK	1	12	21.03	20.97	21.01	22.5	0		
5	QPSK	1	24	20.94	21.16	20.97				
5	QPSK	12	0	21.06	21.25	21.28				
5	QPSK	12	7	21.02	21.29	21.19	22.5	0		
5	QPSK	12	13	20.88	21.25	21.28				
5	QPSK	25	0	21.02	21.24	21.08				
5	HQDM	1	0	20.90	20.95	21.07				
5	HQDM	1	12	21.08	21.24	21.20	22.5	0		
5	HQDM	1	24	21.18	21.23	21.10				
5	HQDM	12	0	20.41	20.96	20.37				
5	HQDM	12	7	20.68	20.54	20.69	22	0.5		
5	HQDM	12	13	20.49	20.49	20.58				
5	HQDM	25	0	20.35	20.63	20.29				
5	HQDM	1	0	20.50	20.44	20.52				
5	HQDM	1	12	20.65	20.78	20.62	22	0.5		
5	HQDM	1	24	20.95	20.85	20.69				
5	HQDM	12	0	19.38	19.73	19.52				
5	HQDM	12	7	19.55	19.54	19.54	21	1.5		
5	HQDM	12	13	19.70	19.77	19.57				
5	HQDM	25	0	19.60	19.72	19.46				
5	SSBDM	1	0	17.48	17.67	17.41				
5	SSBDM	1	12	17.32	17.35	17.27	19	3.5		
5	SSBDM	1	24	17.30	17.60	17.28				
5	SSBDM	12	0	17.48	17.33	17.40				
5	SSBDM	12	7	17.13	17.37	17.25	19	3.5		
5	SSBDM	12	13	17.38	17.31	17.44				
5	SSBDM	25	0	17.35	17.41	17.05				
Channel										
Frequency (MHz)					Tolerance (dB)					MFR (dB)
1.4	QPSK	1	0	21.13	21.20	21.21				
1.4	QPSK	1	3	21.17	21.23	21.21	22.5	0		
1.4	QPSK	1	6	21.21	21.23	21.21				
1.4	QPSK	3	0	21.08	21.23	21.23				
1.4	QPSK	3	3	21.01	21.28	21.04				
1.4	QPSK	3	6	21.07	21.24	21.07				
1.4	QPSK	6	0	21.21	21.04	21.03	22.8	0		
1.4	HQDM	1	0	20.85	20.99	20.81				
1.4	HQDM	1	3	21.01	21.03	21.01				
1.4	HQDM	1	6	21.04	21.04	21.03	22.8	0		
1.4	HQDM	3	0	20.55	20.62	20.58				
1.4	HQDM	3	3	20.65	20.65	20.64				
1.4	HQDM	6	0	20.71	20.65	20.64				
1.4	HQDM	6	3	20.40	20.51	20.40	22	0.5		
1.4	HQDM	1	0	20.51	20.51	20.47				
1.4	HQDM	1	3	20.73	20.80	20.70	22	0.5		
1.4	HQDM	1	6	20.48	20.48	20.48				
1.4	HQDM	3	0	20.44	20.45	20.33				
1.4	HQDM	3	3	20.77	20.82	20.88				
1.4	HQDM	6	0	20.64	20.64	20.64	21	1.5		
1.4	SSBDM	1	0	17.61	17.65	17.38				
1.4	SSBDM	1	3	17.43	17.32	17.08				
1.4	SSBDM	1	6	17.23	17.29	17.29				
1.4	SSBDM	3	0	17.49	17.38	17.25	19	3.5		
1.4	SSBDM	3	3	17.21	17.38	17.40				
1.4	SSBDM	6	0	17.47	17.56	17.40				
1.4	SSBDM	6	3	17.23	17.50	17.15	19	3.5		

Band 38_Ant 1									
BW [MHz]	Modulatio n	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	15.58	15.66	15.52	16.5	0	
20	QPSK	1	49	15.30	15.49	15.38			
20	QPSK	1	99	15.28	15.23	15.28			
20	QPSK	50	0	15.54	15.64	15.55	16.5	0	
20	QPSK	50	24	15.38	15.34	15.31			
20	QPSK	50	50	15.27	15.12	15.21			
20	QPSK	100	0	15.54	15.62	15.58	16.5	0	
20	16QAM	1	0	15.38	15.32	15.61			
20	16QAM	1	49	15.30	15.13	15.29			
20	16QAM	1	99	15.15	15.02	15.10	16.5	0	
20	16QAM	50	0	15.62	15.44	15.46			
20	16QAM	50	24	15.18	15.01	15.24			
20	16QAM	50	50	15.07	14.95	15.05	16.5	0	
20	16QAM	100	0	15.45	15.34	15.56			
20	64QAM	1	0	15.39	15.40	15.48			
20	64QAM	1	49	15.09	15.05	15.27	16.5	0	
20	64QAM	1	99	15.13	14.82	15.13			
20	64QAM	50	0	15.57	15.50	15.50			
20	64QAM	50	24	15.35	15.03	15.22	16.5	0	
20	64QAM	50	50	15.14	14.80	15.19			
20	64QAM	100	0	15.51	15.44	15.52			
20	256QAM	1	0	15.43	15.53	15.64	16.5	0	
20	256QAM	1	49	15.25	15.32	15.30			
20	256QAM	1	99	15.11	14.91	15.11			
20	256QAM	50	0	15.58	15.41	15.63	16.5	0	
20	256QAM	50	24	15.40	15.14	15.32			
20	256QAM	50	50	15.25	14.80	15.08			
20	256QAM	100	0	15.50	15.41	15.65			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	15.60	15.41	15.47	16.5	0	
15	QPSK	1	37	15.36	15.26	15.47			
15	QPSK	1	74	15.21	15.11	15.28			
15	QPSK	36	0	15.36	15.30	15.40	16.5	0	
15	QPSK	36	20	15.41	15.08	15.36			
15	QPSK	36	39	15.20	14.82	14.90			
15	QPSK	75	0	15.39	15.24	15.40	16.5	0	
15	16QAM	1	0	15.40	15.38	15.62			
15	16QAM	1	37	15.28	14.96	15.23			
15	16QAM	1	74	15.19	14.98	15.11	16.5	0	
15	16QAM	36	0	15.39	15.25	15.24			
15	16QAM	36	20	14.96	15.09	15.16			
15	16QAM	36	39	15.14	14.80	15.06	16.5	0	
15	16QAM	75	0	15.44	15.40	15.49			
15	64QAM	1	0	15.17	15.25	15.43			
15	64QAM	1	37	15.09	15.10	15.24	16.5	0	
15	64QAM	1	74	15.14	14.81	15.14			
15	64QAM	36	0	15.38	15.38	15.39			
15	64QAM	36	20	15.24	14.86	15.21	16.5	0	
15	64QAM	36	39	15.08	14.59	15.11			
15	64QAM	75	0	15.40	15.29	15.58			
15	256QAM	1	0	15.49	15.52	15.61	16.5	0	
15	256QAM	1	37	15.05	15.11	15.37			
15	256QAM	1	74	15.08	14.87	15.04			
15	256QAM	36	0	15.38	15.20	15.47	16.5	0	
15	256QAM	36	20	15.27	15.16	15.17			
15	256QAM	36	39	15.04	14.76	14.94			
15	256QAM	75	0	15.32	15.40	15.62			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	15.64	15.45	15.61	16.5	0	
10	QPSK	1	25	15.13	15.24	15.33			
10	QPSK	1	49	15.17	14.91	15.24			
10	QPSK	25	0	15.36	15.51	15.62	16.5	0	
10	QPSK	25	12	15.39	14.93	15.29			
10	QPSK	25	25	15.11	14.82	15.18			
10	QPSK	50	0	15.42	15.27	15.48	16.5	0	
10	16QAM	1	0	15.28	15.13	15.62			
10	16QAM	1	25	15.09	15.06	15.35			
10	16QAM	1	49	15.12	14.88	15.03	16.5	0	
10	16QAM	25	0	15.49	15.40	15.44			
10	16QAM	25	12	15.07	14.87	15.32			
10	16QAM	25	25	15.15	14.80	14.83	16.5	0	
10	16QAM	50	0	15.28	15.17	15.55			
10	64QAM	1	0	15.35	15.24	15.44			
10	64QAM	1	25	15.06	14.93	15.08	16.5	0	
10	64QAM	1	49	14.97	14.96	15.11			
10	64QAM	25	0	15.41	15.37	15.48			
10	64QAM	25	12	15.25	14.86	15.25	16.5	0	
10	64QAM	25	25	15.19	14.66	15.02			
10	64QAM	50	0	15.51	15.24	15.59			
10	256QAM	1	0	15.41	15.36	15.60	16.5	0	
10	256QAM	1	25	15.33	15.36	15.34			
10	256QAM	1	49	15.17	14.95	15.15			
10	256QAM	25	0	15.44	15.47	15.46	16.5	0	
10	256QAM	25	12	15.30	15.01	15.40			
10	256QAM	25	25	15.14	14.82	15.02			
10	256QAM	50	0	15.28	15.49	15.58			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	15.49	15.55	15.54	16.5	0	
5	QPSK	1	12	15.13	15.04	15.30			
5	QPSK	1	24	15.07	15.03	15.12			
5	QPSK	12	0	15.46	15.43	15.61	16.5	0	
5	QPSK	12	7	15.44	15.06	15.37			
5	QPSK	12	13	15.34	14.68	15.17			
5	QPSK	25	0	15.60	15.32	15.55	16.5	0	
5	16QAM	1	0	15.41	15.37	15.61			
5	16QAM	1	12	15.32	15.04	15.26			
5	16QAM	1	24	15.13	15.02	15.02	16.5	0	
5	16QAM	12	0	15.38	15.34	15.37			
5	16QAM	12	7	15.05	14.87	15.22			
5	16QAM	12	13	14.87	14.87	15.13	16.5	0	
5	16QAM	25	0	15.33	15.29	15.36			
5	64QAM	1	0	15.30	15.31	15.42			
5	64QAM	1	12	15.15	14.99	15.30	16.5	0	
5	64QAM	1	24	15.00	14.98	15.04			
5	64QAM	12	0	15.61	15.46	15.39			
5	64QAM	12	7	15.14	14.86	15.09	16.5	0	
5	64QAM	12	13	15.00	14.79	15.02			
5	64QAM	25	0	15.31	15.45	15.45			
5	256QAM	1	0	15.25	15.39	15.60	16.5	0	
5	256QAM	1	12	15.08	15.31	15.15			
5	256QAM	1	24	15.16	14.83	14.89			
5	256QAM	12	0	15.65	15.30	15.54	16.5	0	
5	256QAM	12	7	15.27	15.12	15.40			
5	256QAM	12	13	15.16	14.80	14.98			
5	256QAM	25	0	15.37	15.41	15.48			

Band 41_Ant 1										
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	15.74	15.76	15.69	15.75	15.78	16.5	0
20	QPSK	1	49	15.64	15.67	15.47	15.63	15.63		
20	QPSK	1	99	15.68	15.55	15.68	15.46	15.64		
20	QPSK	50	0	15.72	15.76	15.69	15.75	15.78		
20	QPSK	50	24	15.59	15.65	15.59	15.67	15.63	16.5	0
20	QPSK	50	50	15.66	15.65	15.54	15.67	15.70		
20	QPSK	100	0	15.45	15.49	15.59	15.61	15.75		
20	16QAM	1	0	15.56	15.57	15.75	15.66	15.73		
20	16QAM	1	49	15.52	15.39	15.43	15.46	15.50	16.5	0
20	16QAM	1	99	15.59	15.36	15.69	15.51	15.56		
20	16QAM	50	0	15.72	15.62	15.57	15.71	15.74		
20	16QAM	50	24	15.54	15.35	15.68	15.56	15.73		
20	16QAM	50	50	15.40	15.39	15.31	15.34	15.41	16.5	0
20	16QAM	100	0	15.26	15.29	15.38	15.36	15.41		
20	64QAM	1	0	15.56	15.57	15.51	15.69	15.68		
20	64QAM	1	49	15.26	15.26	15.37	15.33	15.44		
20	64QAM	1	99	15.49	15.49	15.43	15.71	15.72	16.5	0
20	64QAM	50	0	15.58	15.45	15.56	15.45	15.54		
20	64QAM	50	24	15.65	15.55	15.59	15.65	15.61		
20	64QAM	50	50	15.57	15.52	15.46	15.68	15.64		
20	64QAM	100	0	15.55	15.49	15.55	15.51	15.55	16.5	0
20	256QAM	1	0	15.64	15.58	15.65	15.58	15.62		
20	256QAM	1	49	15.30	15.47	15.41	15.38	15.42		
20	256QAM	1	99	15.50	15.58	15.61	15.58	15.62		
20	256QAM	50	0	15.58	15.67	15.50	15.67	15.69	16.5	0
20	256QAM	50	24	15.48	15.49	15.70	15.70	15.67		
20	256QAM	50	50	15.43	15.51	15.36	15.43	15.50		
20	256QAM	100	0	15.52	15.49	15.53	15.44	15.51		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2503.5	2546.3	2593	2637.7	2682.5		
15	QPSK	1	0	15.58	15.66	15.51	15.76	15.66		
15	QPSK	1	37	15.57	15.46	15.46	15.46	15.46		
15	QPSK	1	74	15.58	15.42	15.46	15.51	15.50		
15	QPSK	36	0	15.59	15.72	15.51	15.55	15.55		
15	QPSK	36	20	15.40	15.56	15.66	15.80	15.80	16.5	0
15	QPSK	36	39	15.71	15.56	15.47	15.63	15.70		
15	QPSK	75	0	15.39	15.39	15.67	15.48	15.64		
15	16QAM	1	0	15.42	15.35	15.59	15.61	15.52		
15	16QAM	1	37	15.57	15.46	15.44	15.44	15.43	16.5	0
15	16QAM	1	74	15.52	15.44	15.70	15.47	15.46		
15	16QAM	36	0	15.53	15.51	15.51	15.61	15.58		
15	16QAM	36	20	15.48	15.40	15.56	15.36	15.67		
15	16QAM	36	39	15.44	15.41	15.24	15.24	15.38	16.5	0
15	16QAM	75	0	15.32	15.30	15.25	15.42	15.22		
15	16QAM	1	0	15.30	15.48	15.43	15.36	15.46		
15	16QAM	1	37	15.23	15.26	15.27	15.11	15.22		
15	64QAM	1	74	15.63	15.77	15.63	15.61	15.71	16.5	0
15	64QAM	36	0	15.56	15.46	15.60	15.32	15.39		
15	64QAM	36	20	15.68	15.59	15.52	15.70	15.45		
15	64QAM	36	39	15.51	15.49	15.27	15.49	15.60		
15	64QAM	75	0	15.55	15.48	15.45	15.30	15.43	16.5	0
15	256QAM	1	0	15.57	15.39	15.61	15.64	15.46		
15	256QAM	1	37	15.09	15.46	15.32	15.39	15.22		
15	256QAM	1	74	15.45	15.38	15.63	15.61	15.56		
15	256QAM	36	0	15.44	15.60	15.31	15.50	15.56	16.5	0
15	256QAM	36	20	15.52	15.39	15.75	15.53	15.67		
15	256QAM	36	39	15.30	15.47	15.33	15.47	15.36		
15	256QAM	75	0	15.57	15.46	15.42	15.38	15.30		
Channel				39700	40160	40620	41060	41540	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2501.5	2543.3	2593	2636.3	2680.5		
10	QPSK	1	0	15.70	15.74	15.67	15.59	15.61		
10	QPSK	1	25	15.43	15.67	15.39	15.45	15.43		
10	QPSK	1	49	15.60	15.47	15.72	15.38	15.57		
10	QPSK	25	0	15.64	15.77	15.74	15.55	15.59		
10	QPSK	25	12	15.65	15.68	15.41	15.56	15.61	16.5	0
10	QPSK	25	25	15.71	15.53	15.52	15.67	15.53		
10	QPSK	50	0	15.32	15.31	15.58	15.62	15.46		
10	16QAM	1	0	15.32	15.51	15.61	15.72	15.73		
10	16QAM	1	25	15.54	15.24	15.29	15.38	15.29	16.5	0
10	16QAM	1	49	15.39	15.48	15.58	15.59	15.70		
10	16QAM	25	0	15.61	15.59	15.52	15.65	15.60		
10	16QAM	25	12	15.42	15.33	15.50	15.41	15.51		
10	16QAM	25	25	15.20	15.22	15.14	15.18	15.34	16.5	0
10	16QAM	50	0	15.39	15.36	15.17	15.25	15.46		
10	64QAM	1	0	15.51	15.38	15.34	15.68	15.67		
10	64QAM	1	25	15.19	15.21	15.18	15.15	15.24		
10	64QAM	1	49	15.62	15.49	15.59	15.70	15.72	16.5	0
10	64QAM	25	0	15.57	15.36	15.41	15.48	15.38		
10	64QAM	25	12	15.55	15.63	15.61	15.64	15.45		
10	64QAM	25	25	15.57	15.59	15.39	15.59	15.41		
10	64QAM	50	0	15.55	15.34	15.60	15.60	15.58	16.5	0
10	256QAM	1	0	15.72	15.39	15.49	15.61	15.45		
10	256QAM	1	25	15.25	15.45	15.32	15.28	15.27		
10	256QAM	1	49	15.57	15.57	15.52	15.54	15.51		
10	256QAM	25	0	15.61	15.46	15.58	15.53	15.66	16.5	0
10	256QAM	25	12	15.26	15.30	15.16	15.65	15.50		
10	256QAM	25	25	15.40	15.38	15.19	15.48	15.46		
10	256QAM	50	0	15.68	15.30	15.53	15.52	15.55		
Channel				39675	40148	40620	41093	41655	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	15.52	15.62	15.67	15.66	15.74		
5	QPSK	1	12	15.72	15.60	15.46	15.47	15.47		
5	QPSK	1	24	15.71	15.43	15.69	15.38	15.68		
5	QPSK	12	0	15.62	15.54	15.70	15.66	15.71		
5	QPSK	12	7	15.49	15.68	15.62	15.69	15.70	16.5	0
5	QPSK	12	13	15.39	15.36	15.54	15.54	15.58		
5	QPSK	25	0	15.30	15.38	15.49	15.58	15.77		
5	16QAM	1	0	15.49	15.40	15.55	15.47	15.67		
5	16QAM	1	12	15.42	15.47	15.22	15.39	15.54	16.5	0
5	16QAM	1	24	15.36	15.63	15.48	15.45	15.45		
5	16QAM	12	0	15.69	15.43	15.47	15.52	15.72		
5	16QAM	12	7	15.57	15.35	15.71	15.43	15.72		
5	16QAM	12	13	15.32	15.34	15.12	15.12	15.45	16.5	0
5	16QAM	25	0	15.10	15.13	15.37	15.33	15.22		
5	64QAM	1	0	15.34	15.49	15.58	15.73	15.59		
5	64QAM	1	12	15.13	15.25	15.35	15.34	15.32		
5	64QAM	1	24	15.58	15.53	15.48	15.74	15.60	16.5	0
5	64QAM	12	0	15.48	15.48	15.48	15.35	15.47		
5	64QAM	12	7	15.30	15.36	15.54	15.54	15.54		
5	64QAM	12	13	15.42	15.45	15.42	15.74	15.42		
5	64QAM	25	0	15.58	15.44	15.39	15.43	15.52	16.5	0
5	256QAM	1	0	15.72	15.51	15.73	15.51	15.56		
5	256QAM	1	12	15.19	15.36	15.38	15.40	15.21		
5	256QAM	1	24	15.31	15.54	15.42	15.65	15.43		
5	256QAM	12	0	15.58	15.63	15.33	15.64	15.48	16.5	0
5	256QAM	12	7	15.30	15.54	15.78	15.78	15.45		
5	256QAM	12	13	15.32	15.52	15.23	15.51	15.31		
5	256QAM	25	0	15.36	15.48	15.42	15.52	15.45		

Band 41 (HPUE)_Ant 1													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				39750	40185	40620	41055	41490					
Frequency (MHz)				2506	2549.5	2593	2636.5	2680					
20	QPSK	1	0	16.28	16.17	16.20	16.28	16.30	17	0			
20	QPSK	1	49	15.95	16.02	15.88	15.97	16.07					
20	QPSK	1	99	16.01	16.01	16.01	16.03	16.16					
20	QPSK	50	0	16.25	16.15	16.19	16.26	16.27					
20	QPSK	50	24	16.10	16.14	16.18	16.18	16.15	17	0			
20	QPSK	50	50	16.11	16.09	16.04	16.25	16.21					
20	QPSK	100	0	16.03	16.06	16.00	16.07	16.25					
20	16QAM	1	0	16.22	16.10	16.07	16.23	16.22					
20	16QAM	1	49	15.99	15.92	15.90	15.80	15.96	17	0			
20	16QAM	1	99	15.84	15.86	16.05	15.96	15.97					
20	16QAM	50	0	16.18	16.07	16.00	16.00	16.18					
20	16QAM	50	24	16.05	16.29	16.07	16.23	16.24					
20	16QAM	50	50	15.96	15.90	16.04	16.05	16.04	17	0			
20	16QAM	100	0	16.02	16.17	16.17	16.03	16.15					
20	64QAM	1	0	16.15	16.09	16.18	16.10	16.27					
20	64QAM	1	49	15.92	15.92	15.98	16.10	16.07					
20	64QAM	1	99	15.91	15.87	15.95	15.96	15.97	17	0			
20	64QAM	50	0	16.28	16.13	16.22	16.10	16.26					
20	64QAM	50	24	16.16	16.17	16.09	16.22	16.25					
20	64QAM	50	50	16.12	16.22	16.09	16.15	16.26					
20	64QAM	100	0	16.15	16.04	16.03	16.01	16.15	17	0			
20	256QAM	1	0	16.05	16.06	15.98	15.96	16.13					
20	256QAM	1	49	15.73	15.86	15.71	15.87	15.89					
20	256QAM	1	99	16.08	16.08	16.13	16.04	16.17					
20	256QAM	50	0	16.10	16.15	16.09	16.13	16.17	17	0			
20	256QAM	50	24	16.08	16.12	15.96	16.01	16.15					
20	256QAM	50	50	16.17	16.05	16.07	16.07	16.22					
20	256QAM	100	0	15.92	15.99	15.89	16.12	16.07					
Channel				39725	40173	40620	41068	41515					
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5					
15	QPSK	1	0	16.16	16.01	16.02	16.03	16.09	17	0			
15	QPSK	1	37	15.91	15.94	15.75	15.78	16.11					
15	QPSK	1	74	15.97	15.96	15.99	16.04	15.98					
15	QPSK	36	0	16.17	15.99	16.04	16.11	16.20					
15	QPSK	36	20	15.95	16.08	16.15	16.12	16.01	17	0			
15	QPSK	36	39	16.08	16.04	15.93	16.22	16.29					
15	QPSK	75	0	16.11	15.90	16.07	15.97	16.24					
15	16QAM	1	0	16.21	16.17	15.98	16.22	16.01					
15	16QAM	1	37	16.00	15.79	15.70	15.75	16.01	17	0			
15	16QAM	1	74	15.70	15.84	15.83	15.83	16.02					
15	16QAM	36	0	16.01	16.04	15.89	16.06	16.13					
15	16QAM	36	20	16.04	16.13	16.02	16.06	16.20					
15	16QAM	36	39	16.01	15.89	16.03	16.04	15.84	17	0			
15	16QAM	75	0	15.91	15.99	15.99	15.92	16.22					
15	64QAM	1	0	15.97	16.09	16.25	16.00	16.26					
15	64QAM	1	37	15.71	15.82	15.91	16.10	16.10					
15	64QAM	1	74	15.75	15.87	15.78	15.99	15.94	17	0			
15	64QAM	36	0	16.12	16.10	16.10	16.10	16.28					
15	64QAM	36	20	16.11	16.10	16.17	16.28	16.28					
15	64QAM	36	39	16.02	16.03	16.13	16.10	16.11					
15	64QAM	75	0	16.07	16.12	16.02	16.01	16.09	17	0			
15	256QAM	1	0	15.83	16.09	16.06	15.83	15.96					
15	256QAM	1	37	15.61	15.69	15.69	15.75	15.80					
15	256QAM	1	74	16.09	16.08	15.91	15.85	16.20					
15	256QAM	36	0	16.14	16.06	16.17	15.96	16.25	17	0			
15	256QAM	36	20	16.08	16.05	15.99	15.96	16.05					
15	256QAM	36	39	16.18	16.07	15.87	16.05	16.22					
15	256QAM	75	0	15.80	16.04	15.86	16.00	16.07					
Channel				39700	40160	40620	41080	41540					
Frequency (MHz)				2501	2547	2593	2639	2685					
10	QPSK	1	0	16.22	16.09	16.07	16.05	16.08	17	0			
10	QPSK	1	25	16.00	15.89	15.71	15.86	16.15					
10	QPSK	1	49	15.99	16.08	16.08	15.82	16.24					
10	QPSK	25	0	16.19	16.20	16.11	16.30	16.20					
10	QPSK	25	12	16.08	16.05	15.95	16.25	16.12	17	0			
10	QPSK	25	25	15.91	15.90	16.12	16.21	16.03					
10	QPSK	50	0	15.96	15.87	15.94	16.13	16.26					
10	16QAM	1	0	16.19	15.90	15.93	16.04	16.27					
10	16QAM	1	25	15.79	15.90	15.90	15.66	15.84	17	0			
10	16QAM	1	49	15.78	15.78	15.91	15.67	15.89					
10	16QAM	1	99	16.15	16.13	16.08	15.82	16.18					
10	16QAM	25	12	15.87	16.13	16.07	16.28	16.28					
10	16QAM	25	25	15.83	15.95	15.99	16.02	16.03	17	0			
10	16QAM	50	0	16.02	16.16	16.23	15.89	16.11					
10	64QAM	1	0	16.18	15.93	16.20	15.98	16.16					
10	64QAM	1	25	15.85	15.88	15.99	16.07	15.87					
10	64QAM	1	49	15.74	15.88	15.86	15.87	15.85	17	0			
10	64QAM	25	0	16.14	16.11	16.13	15.92	16.14					
10	64QAM	25	12	16.24	16.06	15.98	16.22	16.23					
10	64QAM	25	25	16.07	16.13	15.95	16.21	16.11					
10	64QAM	50	0	16.14	16.04	16.10	16.05	16.11	17	0			
10	256QAM	1	0	15.96	15.99	16.05	15.87	16.00					
10	256QAM	1	25	15.55	15.86	15.69	15.66	15.96					
10	256QAM	1	49	15.91	16.13	16.21	16.12	16.11					
10	256QAM	25	0	15.93	15.93	16.02	16.12	16.05	17	0			
10	256QAM	25	12	15.86	15.93	15.98	15.98	16.02					
10	256QAM	25	25	15.96	15.98	16.15	16.13	16.02					
10	256QAM	50	0	15.93	16.05	15.81	16.15	16.00					
Channel				39675	40148	40620	41093	41565					
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5					
5	QPSK	1	0	16.12	15.98	16.04	16.06	16.16	17	0			
5	QPSK	1	12	15.77	16.04	15.76	15.94	16.00					
5	QPSK	1	24	16.03	15.88	16.02	16.05	15.95					
5	QPSK	12	0	16.07	16.03	16.12	16.10	16.25					
5	QPSK	12	7	15.90	16.12	16.10	16.13	16.22	17	0			
5	QPSK	12	13	16.12	16.04	16.09	16.24	16.17					
5	QPSK	25	0	15.84	16.10	15.99	15.95	15.97					
5	16QAM	1	0	16.04	16.10	15.90	16.13	16.24					
5	16QAM	1	12	15.78	15.92	15.85	15.81	15.85	17	0			
5	16QAM	1	24	15.71	15.77	16.04	15.77	15.94					
5	16QAM	12	0	16.21	16.09	15.87	15.91	16.20					
5	16QAM	12	7	15.98	16.11	16.06	16.25	16.06					
5	16QAM	12	13	15.84	15.78	16.01	16.03	16.09	17	0			
5	16QAM	25	0	16.09	16.13	16.14	15.88	16.08					
5	64QAM	1	0	15.94	16.00	15.99	15.93	16.17	17	0			
5	64QAM	1	12	15.84	15.74	15.88	15.83	15.91					
5	64QAM	1	24	15.79	15.94	15.73	15.95	15.93					
5	64QAM	12	0	16.19	15.92	16.08	15.99	15.99					
5	64QAM	12	7	16.07	16.16	16.15	16.12	16.18	17	0			
5	64QAM	12	13	16.09	16.10	16.11	16.07	16.18					
5	64QAM	25	0	16.02	15.82	16.07	15.88	16.18					
5	256QAM	1	0	15.83	15.99	15.95	15.98	16.06					
5	256QAM	1	12	15.71	15.70	15.90	15.74	15.70	17	0			
5	256QAM	1	24	16.12	15.86	15.99	15.98	16.11					
5	256QAM	12	0	16.13	15.98	15.95	15.95	16.15					
5	256QAM	12	7	15.96	15.94	15.79	15.86	16.23					
5	256QAM	12	13	15.98	15.97	16.13	15.91	16.27					
5	256QAM	25	0	15.78	15.84	15.91	16.09	16.12					

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	15.56	15.61	15.63	17.0	0.0
100	Pl2 BPSK	1	137	15.47	15.62	15.47		
100	Pl2 BPSK	1	221	15.58	15.74	15.69		
100	Pl2 BPSK	135	0	15.46	15.60	15.56	17.0	0.0
100	Pl2 BPSK	135	69	15.56	15.67	15.49	17.0	0.0
100	Pl2 BPSK	135	138	15.56	15.62	15.61	17.0	0.0
100	Pl2 BPSK	210	0	15.56	15.60	15.43	17.0	0.0
100	QPSK	1	1	15.67	15.63	15.63		
100	QPSK	1	137	15.64	15.74	15.60		
100	QPSK	1	271	15.62	15.82	15.58	17.0	0.0
100	QPSK	135	0	15.51	15.56	15.40		
100	QPSK	135	69	15.54	15.80	15.61		
100	QPSK	135	138	15.52	15.58	15.59	17.0	0.0
100	QPSK	270	0	15.80	15.78	15.66		
100	QPSK	1	1	15.83	15.81	15.63		
100	8QAM	1	1	15.82	15.74	15.60	17.0	0.0
100	8QAM	1	1	15.82	15.74	15.60	17.0	0.0
100	25QAM	1	1	15.80	15.82	15.64	17.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.64	15.72	15.46	17.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.48	15.79	15.62	17.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.52	15.79	15.47	17.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.48	15.70	15.48	17.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.52	15.72	15.57	17.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.64	15.62	15.53	17.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.60	15.69	15.60	17.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.49	15.68	15.44	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1		15.75		17.0	0.0
100	Pl2 BPSK	1	137		15.72			
100	Pl2 BPSK	1	221		15.42			
100	Pl2 BPSK	135	0		15.73		17.0	0.0
100	Pl2 BPSK	135	69		15.82		17.0	0.0
100	Pl2 BPSK	135	138		15.34		17.0	0.0
100	Pl2 BPSK	210	0		15.83		17.0	0.0
100	QPSK	1	1		15.87			
100	QPSK	1	137		15.82			
100	QPSK	1	271		15.33		17.0	0.0
100	QPSK	135	0		15.68			
100	QPSK	135	69		15.72			
100	QPSK	135	138		15.42		17.0	0.0
100	QPSK	270	0		15.67			
100	8QAM	1	1		15.62			
100	8QAM	1	1		15.68		17.0	0.0
100	25QAM	1	1		15.63		17.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.60	15.70	15.68	17.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.59	15.56	15.47	17.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.45	15.64	15.56	17.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.51	15.72	15.58	17.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.42	15.70	15.68	17.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.47	15.63	15.66	17.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.61	15.52	15.60	17.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.48	15.65	15.53	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1	11.21	11.23	11.20	12.5	0.0
100	Pl2 BPSK	1	137	11.12	11.25	11.11		
100	Pl2 BPSK	1	221	11.26	11.26	11.21		
100	Pl2 BPSK	135	0	11.11	11.23	11.25	12.5	0.0
100	Pl2 BPSK	135	69	10.84	11.02	11.03	12.5	0.0
100	Pl2 BPSK	135	138	11.11	11.16	11.09	12.5	0.0
100	Pl2 BPSK	210	0	10.86	11.06	10.98	12.5	0.0
100	QPSK	1	1	11.16	11.34	11.14		
100	QPSK	1	137	10.95	11.13	11.05		
100	QPSK	1	271	10.88	11.10	11.08	12.5	0.0
100	QPSK	135	0	11.08	11.11	10.94		
100	QPSK	135	69	11.17	11.32	11.05		
100	QPSK	135	138	11.04	11.07	10.88	12.5	0.0
100	QPSK	270	0	11.23	11.30	11.28		
100	8QAM	1	1	11.30	11.52	11.52		
100	8QAM	1	1	11.14	11.31	11.32	12.5	0.0
100	25QAM	1	1	11.18	11.16	11.05	12.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	11.19	11.17	11.16	12.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	11.19	11.24	11.13	12.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	11.08	11.25	11.16	12.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	11.15	11.30	11.04	12.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	11.01	11.22	11.04	12.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	11.01	11.22	11.04	12.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	11.08	11.32	11.00	12.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	11.18	11.31	10.99	12.5	0.0

Part27O_n78_Ant 3										
BW [MHz]	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)										
100	PI2 BPSK	1	1		11.33		12.5	0.0		
100	PI2 BPSK	1	137		11.35					
100	PI2 BPSK	1	271		11.29					
100	PI2 BPSK	135	0		11.27		12.5	0.0		
100	PI2 BPSK	135	69		11.30		12.5	0.0		
100	PI2 BPSK	135	138		11.27		12.5	0.0		
100	PI2 BPSK	270	0		11.24					
100	QPSK	1	1		11.37					
100	QPSK	1	137		11.36		12.5	0.0		
100	QPSK	1	271		11.29					
100	QPSK	135	0		11.24					
100	QPSK	135	69		11.33		12.5	0.0		
100	QPSK	135	138		11.17					
100	QPSK	270	0		11.25		12.5	0.0		
100	16QAM	1	1		11.30		12.5	0.0		
100	64QAM	1	1		11.28		12.5	0.0		
100	256QAM	1	1		11.21		12.5	0.0		
Channel				649988	650000	650332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)		
90	QPSK	1	1		11.27	11.20	12.5	0.0		
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)		
80	QPSK	1	1		11.22	11.07	12.5	0.0		
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)		
70	QPSK	1	1		11.22	11.12	11.17	12.5	0.0	
Channel				649666	650000	651332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.01	3750	3774.99	(dBm)	(dB)		
60	QPSK	1	1		11.11	11.08	11.27	12.5	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)		
50	QPSK	1	1		11.11	11.05	11.14	12.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)		
40	QPSK	1	1		11.17	11.10	11.16	12.5	0.0	
Channel				647666	650000	652332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)		
30	QPSK	1	1		11.21	11.15	11.18	12.5	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)		
20	QPSK	1	1		11.23	11.14	11.22	12.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650600	Power High Ch. / Freq. 650200	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	19.41	19.43	19.31	21.0	0.0	
100	PI2 BPSK	1	137	19.46	19.52	19.37			
100	PI2 BPSK	1	271	19.27	19.34	19.08			
100	PI2 BPSK	135	0	19.60	19.63	19.54	20.5	0.5	
100	PI2 BPSK	135	69	19.37	19.42	19.36	21.0	0.0	
100	PI2 BPSK	135	138	18.51	18.59	18.52	20.5	0.5	
100	PI2 BPSK	270	0	19.58	19.56	19.64	20.5	0.5	
100	QPSK	1	1	19.24	19.58	19.45			
100	QPSK	1	137	19.15	19.03	19.01	21.0	0.0	
100	QPSK	1	271	19.18	19.05	19.00			
100	QPSK	135	0	19.21	19.37	19.20			
100	QPSK	135	69	19.10	19.53	19.35	21.0	0.0	
100	QPSK	135	138	18.35	18.29	18.11			
100	QPSK	270	0	18.27	18.46	18.20	20.0	1.0	
100	16QAM	1	1	19.24	19.52	19.17	20.0	1.0	
100	64QAM	1	1	19.67	19.96	19.52	18.5	2.5	
100	256QAM	1	1	15.09	15.33	15.25	16.5	4.5	
Channel				649988	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)	
90	QPSK	1	1	19.47	19.47	19.41	21.0	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)	
80	QPSK	1	1	19.51	19.53	19.45	21.0	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	19.56	19.55	19.41	21.0	0.0	
Channel				649666	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.01	3840	3944.99	(dBm)	(dB)	
60	QPSK	1	1	19.52	19.47	19.43	21.0	0.0	
Channel				648334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3944.99	(dBm)	(dB)	
50	QPSK	1	1	19.54	19.45	19.42	21.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	19.50	19.54	19.45	21.0	0.0	
Channel				647666	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)	
30	QPSK	1	1	19.52	19.45	19.48	21.0	0.0	
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3964.99	(dBm)	(dB)	
20	QPSK	1	1	19.50	19.54	19.49	21.0	0.0	

Part27O_n78_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. [MHz]	Power Middle Ch. / Freq. [MHz]	Power High Ch. / Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		19.32			21.0	0.0
100	PI2 BPSK	1	137		19.23				
100	PI2 BPSK	1	271		19.26				
100	PI2 BPSK	135	0		19.17		20.5	0.5	
100	PI2 BPSK	135	69		19.22		21.0	0.0	
100	PI2 BPSK	135	138		19.29		20.5	0.5	
100	PI2 BPSK	270	0		19.22				
100	QPSK	1	1		19.42				
100	QPSK	1	137		19.33		21.0	0.0	
100	QPSK	1	271		19.22				
100	QPSK	135	0		19.23				
100	QPSK	135	69		19.22		21.0	0.0	
100	QPSK	135	138		18.29				
100	QPSK	270	0		18.41		20.0	1.0	
100	16QAM	1	1		18.29		20.0	1.0	
100	64QAM	1	1		18.75		18.5	2.5	
100	256QAM	1	1		15.16		16.5	4.5	
Channel				649988	650000	650332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)	(dB)	
90	QPSK	1	1		19.34	19.40	19.12	21.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1		19.39	19.39	19.19	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		19.33	19.32	19.31	21.0	0.0
Channel				649666	650000	651332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.01	3750	3764.98	(dBm)	(dB)	
60	QPSK	1	1		19.33	19.33	19.19	21.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1		19.31	19.31	19.14	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		19.15	19.41	19.14	21.0	0.0
Channel				647666	650000	652332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1		19.18	19.34	19.20	21.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1		19.32	19.25	19.20	21.0	0.0



Part270_n77_Ant 7									
BW [MHz]	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)				3750	3840	3900			
100	Pl2 BPSK	1	1	16.15	16.18	16.05	17.0	0.0	
100	Pl2 BPSK	1	137	16.13	16.12	16.01			
100	Pl2 BPSK	1	241	15.97	16.15	16.00			
100	Pl2 BPSK	135	0	16.06	16.05	16.02	17.0	0.0	
100	Pl2 BPSK	135	69	16.00	16.07	15.92	17.0	0.0	
100	Pl2 BPSK	135	138	16.01	16.04	15.92	17.0	0.0	
100	Pl2 BPSK	270	0	15.97	16.03	16.05			
100	QPSK	1	1	16.05	16.21	16.12			
100	QPSK	1	137	15.95	16.10	15.96	17.0	0.0	
100	QPSK	1	271	15.93	16.10	16.07			
100	QPSK	135	0	15.85	15.97	15.86			
100	QPSK	135	69	16.03	16.16	16.05	17.0	0.0	
100	QPSK	135	138	15.96	16.02	15.93			
100	QPSK	270	0	15.99	16.15	16.09			
100	ISQAM	1	1	16.01	16.19	16.08	17.0	0.0	
100	ISQAM	1	1	16.02	16.20	16.12	17.0	0.0	
100	256QAM	1	1	14.72	14.77	14.78	16.5	0.5	
Channel				649668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3760	3784.98	(dBm)	(dB)	
90	QPSK	1	1	16.04	16.17	16.07	17.0	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)	
80	QPSK	1	1	16.07	16.10	16.07	17.0	0.0	
Channel				646000	650000	650000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	16.05	16.03	15.96	17.0	0.0	
Channel				649668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3945.98	(dBm)	(dB)	
60	QPSK	1	1	15.86	16.19	16.06	17.0	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3760	3784.99	(dBm)	(dB)	
50	QPSK	1	1	15.96	15.99	15.93	17.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	15.98	16.14	16.05	17.0	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)	
30	QPSK	1	1	15.89	16.17	15.96	17.0	0.0	
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	QPSK	1	1	15.87	16.14	16.04	17.0	0.0	

Part270_n78_Ant 7									
BW [MHz]	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)				3750					
100	Pl2 BPSK	1	1		16.18		17.0	0.0	
100	Pl2 BPSK	1	137		16.13				
100	Pl2 BPSK	1	271		16.12				
100	Pl2 BPSK	135	0		15.96		17.0	0.0	
100	Pl2 BPSK	135	69		15.99		17.0	0.0	
100	Pl2 BPSK	135	138		16.06		17.0	0.0	
100	Pl2 BPSK	270	0		15.99				
100	QPSK	1	1		16.24				
100	QPSK	1	137		16.12		17.0	0.0	
100	QPSK	1	271		16.03				
100	QPSK	135	0		15.92				
100	QPSK	135	69		16.15		17.0	0.0	
100	QPSK	135	138		15.99				
100	QPSK	270	0		16.17				
100	ISQAM	1	1		16.16		17.0	0.0	
100	ISQAM	1	1		16.12		17.0	0.0	
100	256QAM	1	1		14.73		16.5	0.5	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3760	3784.98	(dBm)	(dB)	
90	QPSK	1	1	16.16	16.19	16.22	17.0	0.0	
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	16.16	16.06	16.16	17.0	0.0	
Channel				646000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	16.16	16.21	16.11	17.0	0.0	
Channel				649668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3764.99	(dBm)	(dB)	
60	QPSK	1	1	16.13	16.16	16.17	17.0	0.0	
Channel				649334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	16.06	16.03	16.10	17.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	16.14	16.04	16.06	17.0	0.0	
Channel				647000	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	16.15	16.10	16.19	17.0	0.0	
Channel				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3760	3789.99	(dBm)	(dB)	
20	QPSK	1	1	16.16	16.14	16.04	17.0	0.0	

Reduced Power for DSI 4

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.63	32.31	32.50	33.50	23.63	23.31	23.50	24.50
GPRS 1 Tx slot		32.61	32.29	32.48	33.50	23.61	23.29	23.48	24.50
GPRS 2 Tx slots		30.04	29.55	30.00	31.00	24.04	23.55	24.00	25.00
GPRS 3 Tx slots		28.21	28.15	28.18	29.00	23.95	23.89	23.92	24.74
GPRS 4 Tx slots		26.84	26.62	26.82	27.50	23.84	23.62	23.82	24.50
EDGE 1 Tx slot		26.38	26.23	26.38	27.00	17.38	17.23	17.38	18.00
EDGE 2 Tx slots		25.48	25.23	25.52	26.50	19.48	19.23	19.52	20.50
EDGE 3 Tx slots		23.25	23.18	23.31	24.00	18.99	18.92	19.05	19.74
EDGE 4 Tx slots		21.24	21.25	21.31	22.00	18.24	18.25	18.31	19.00

GSM1900_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		30.27	30.15	30.55	31.00	21.27	21.15	21.55	22.00
GPRS 1 Tx slot		30.26	30.12	30.53	31.00	21.26	21.12	21.53	22.00
GPRS 2 Tx slots		28.31	28.45	28.63	29.00	22.31	22.45	22.63	23.00
GPRS 3 Tx slots		26.49	26.41	26.48	27.50	22.23	22.15	22.22	23.24
GPRS 4 Tx slots		24.44	24.40	24.19	25.50	21.44	21.40	21.19	22.50
EDGE 1 Tx slot		26.23	26.07	26.17	27.00	17.23	17.07	17.17	18.00
EDGE 2 Tx slots		24.11	24.02	23.97	25.00	18.11	18.02	17.97	19.00
EDGE 3 Tx slots		23.21	22.98	22.99	24.00	18.95	18.72	18.73	19.74
EDGE 4 Tx slots		21.03	21.03	21.10	22.00	18.03	18.03	18.10	19.00

Band		WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA IV_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.52	23.58	23.56	24.00	23.38	23.59	23.58	24.00	23.04	23.05	23.03	24.00
3GPP Rel 99	RMC 12.2Kbps	23.53	23.59	23.58	24.00	23.41	23.61	23.60	24.00	23.05	23.06	23.04	24.00
3GPP Rel 6	HSDPA Subtest-1	22.58	22.59	22.59	23.00	22.37	22.62	22.57	23.00	22.07	22.05	22.07	23.00
3GPP Rel 6	HSDPA Subtest-2	22.55	22.59	22.52	23.00	22.41	22.57	22.60	23.00	22.09	22.05	22.10	23.00
3GPP Rel 6	HSDPA Subtest-3	22.07	22.07	22.10	22.50	21.87	22.09	22.06	22.50	21.60	21.59	21.61	22.50
3GPP Rel 6	HSDPA Subtest-4	22.05	22.04	22.08	22.50	21.90	21.70	22.10	22.50	21.61	21.57	21.60	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.41	22.53	22.54	23.00	22.32	22.57	22.49	23.00	22.05	21.87	21.93	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.43	22.42	22.48	23.00	22.40	22.46	22.59	23.00	21.99	21.91	21.92	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.05	22.00	22.05	22.50	21.76	21.93	21.97	22.50	21.49	21.56	21.59	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.93	21.99	21.99	22.50	21.89	21.61	21.99	22.50	21.44	21.44	21.55	22.50
3GPP Rel 6	HSUPA Subtest-1	22.57	22.63	22.62	23.00	22.41	22.62	22.60	23.00	22.10	22.04	22.09	23.00
3GPP Rel 6	HSUPA Subtest-2	20.57	20.61	20.61	21.00	20.42	20.61	20.64	21.00	20.07	20.02	20.09	21.00
3GPP Rel 6	HSUPA Subtest-3	21.54	21.63	21.59	22.00	21.40	21.57	21.64	22.00	21.11	21.06	21.09	22.00
3GPP Rel 6	HSUPA Subtest-4	20.58	20.62	20.64	21.00	20.34	20.59	20.58	21.00	20.07	20.08	20.08	21.00
3GPP Rel 6	HSUPA Subtest-5	22.60	22.62	22.60	23.00	22.40	22.60	22.60	23.00	22.10	22.10	22.00	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.77	20.53	20.77	21.00	20.65	20.60	20.74	21.00	20.43	20.26	20.25	21.00

Band 2_Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-off Int. (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
18700 18800 19100														
20	QPSK	1	0	22.70	22.70	22.70			24	0				
20	QPSK	1	49	22.70	22.68	22.64								
20	QPSK	50	0	21.80	21.80	21.80			23	1				
20	QPSK	50	50	21.84	21.82	21.77								
20	QPSK	100	0	21.81	21.83	21.80			23	1				
20	16QAM	1	0	21.92	22.37	22.40								
20	16QAM	1	49	22.05	21.96	22.11			23	1				
20	16QAM	1	99	22.29	22.14	22.15								
20	16QAM	50	0	20.91	20.91	20.91			22	2				
20	16QAM	50	24	20.95	20.83	20.76								
20	16QAM	50	50	20.93	20.91	20.98			22	2				
20	16QAM	100	0	20.74	20.82	20.75								
20	64QAM	1	0	20.91	21.11	21.08			22	2				
20	64QAM	1	49	21.15	21.14	21.24								
20	64QAM	1	99	21.06	21.10	21.05			21	3				
20	64QAM	50	0	20.12	19.79	19.90								
20	64QAM	50	24	20.09	19.81	19.89			21	3				
20	64QAM	50	50	19.99	19.76	19.75								
20	64QAM	100	0	20.19	19.89	19.85			19	5				
20	256QAM	1	0	17.86	17.72	17.71								
20	256QAM	1	49	17.87	17.76	17.68			19	5				
20	256QAM	1	99	17.81	17.81	17.71								
20	256QAM	50	0	17.73	17.63	17.67			19	5				
20	256QAM	50	24	17.60	17.65	17.77								
20	256QAM	50	50	17.53	17.77	17.87			19	5				
20	256QAM	100	0	17.64	17.69	17.77								
Channel														
18875 18900 19100														
18	QPSK	1	0	22.93	22.72	22.78			24	0				
18	QPSK	1	37	22.75	22.57	22.72								
18	QPSK	1	74	22.52	22.48	22.63			23	1				
18	QPSK	36	0	22.01	21.84	21.82								
18	QPSK	36	20	21.76	21.83	21.73			23	1				
18	QPSK	36	39	21.93	21.79	21.83								
18	QPSK	75	0	21.75	21.62	21.88			23	1				
18	16QAM	1	0	21.08	22.40	22.34								
18	16QAM	1	37	22.00	22.08	21.96			23	1				
18	16QAM	1	74	22.18	22.21	22.25								
18	16QAM	36	0	20.88	20.94	20.95			22	2				
18	16QAM	36	20	20.80	20.72	20.75								
18	16QAM	36	39	20.93	20.91	20.72			22	2				
18	16QAM	75	0	20.70	20.68	20.65								
18	64QAM	1	0	20.92	21.11	21.05			22	2				
18	64QAM	1	37	21.21	21.01	21.16								
18	64QAM	1	74	20.98	20.98	20.91			21	3				
18	64QAM	36	0	19.94	19.72	19.73								
18	64QAM	36	20	20.05	19.92	19.78			19	5				
18	64QAM	36	39	19.99	19.92	19.91								
18	64QAM	75	0	20.24	20.87	20.85			19	5				
18	256QAM	1	0	17.84	17.84	17.72								
18	256QAM	1	37	17.78	17.77	17.72			19	5				
18	256QAM	1	74	17.86	17.85	17.68								
18	256QAM	36	0	17.79	17.69	17.67			19	5				
18	256QAM	36	20	17.90	17.78	17.88								
18	256QAM	36	39	17.80	17.72	17.77			19	5				
18	256QAM	75	0	17.88	17.77	17.56								
Channel														
18950 18900 19100														
18	QPSK	1	0	22.90	22.82	22.75			24	0				
18	QPSK	1	25	22.57	22.59	22.73								
18	QPSK	1	49	22.65	22.48	22.49			23	1				
18	QPSK	25	0	21.89	21.76	21.80								
18	QPSK	25	12	21.98	21.62	21.64			23	1				
18	QPSK	25	25	21.81	21.76	21.65								
18	16QAM	1	0	22.03	22.27	22.24			23	1				
18	16QAM	1	25	22.01	21.90	22.19								
18	16QAM	1	49	22.08	22.03	22.10			22	2				
18	16QAM	1	74	22.12	22.17	22.00								
18	16QAM	25	0	20.76	20.93	20.88			22	2				
18	16QAM	25	12	21.00	20.80	20.81								
18	16QAM	25	25	20.76	20.70	20.74			22	2				
18	16QAM	50	0	20.88	20.80	20.87								
18	64QAM	1	0	20.95	21.07	21.10			22	2				
18	64QAM	1	25	21.23	21.05	21.15								
18	64QAM	1	49	21.10	21.14	21.05			22	2				
18	64QAM	25	0	20.95	19.73	19.73								
18	64QAM	25	12	20.97	19.67	19.78			21	3				
18	64QAM	25	25	19.92	19.85	19.85								
18	64QAM	50	0	20.94	19.85	19.83			19	5				
18	256QAM	1	0	17.83	17.84	17.87								
18	256QAM	1	25	17.89	17.89	17.80			19	5				
18	256QAM	1	49	18.02	17.72	17.88								
18	256QAM	25	0	17.58	17.74	17.74			19	5				
18	256QAM	25	12	17.87	17.66	17.78								
18	256QAM	25	25	17.72	17.66	17.74			19	5				
18	256QAM	50	0	17.70	17.83	17.88								
Channel														
19025 18900 19100														
5	QPSK	1	0	22.93	22.91	22.78			24	0				
5	QPSK	1	12	22.53	22.59	22.72								
5	QPSK	1	24	22.51	22.77	22.75			23	1				
5	QPSK	12	0	21.84	21.87	21.70								
5	QPSK	12	7	21.91	21.76	21.76			23	1				
5	QPSK	12	13	21.93	21.78	21.84								
5	QPSK	25	0	21.84	21.66	21.70			23	1				
5	16QAM	1	0	22.01	22.38	22.19								
5	16QAM	1	12	22.10	22.03	22.10			23	1				
5	16QAM	1	24	22.12	22.17	22.00								
5	16QAM	12	0	20.98	20.74	20.83			22	2				
5	16QAM	12	7	20.87	21.00	20.95								
5	16QAM	12	13	20.84	20.69	20.84			22	2				
5	16QAM	25	0	20.77	20.63	20.58								
5	64QAM	1	0	21.09	21.07	21.12			22	2				
5	64QAM	1	12	21.09	21.12	21.17								
5	64QAM	1	24	21.11	21.17	21.07			21	3				
5	64QAM	12	0	20.15	19.75	19.85								
5	64QAM	12	7	19.95	19.77	19.92			19	5				
5	64QAM	12	13	19.95	19.77	19.81								
5	64QAM	25	0	17.77	17.77	17.71			19	5				
5	256QAM	1	0	17.77	17.77	17.71								
5	256QAM	1	12	17.91	17.68	17.68			19	5				
5	256QAM	1	24	17.84	17.84	17.74								
5	256QAM	12	0	17.81	17.59	17.68			19	5				
5	256QAM	12	7	17.58	17.53	17.64								
5	256QAM	12	13	17.53	17.63	17.73			19	5				
5	256QAM	25	0	17.63	17.71	17.64								
Channel														
19025 18900 19100														
3	QPSK	1	0	22.91	22.89	22.77			24	0				
3	QPSK	1	8	22.74	22.64	22.67								
3	QPSK	1	14	22.68	22.64	22.47			23	1				
3	QPSK	8	0	21.81	21.74	21.71								
3	QPSK	8	4	21.88	21.87	21.71			23	1				
3	QPSK	8	7	21.66	21.86	21.80								
3	QPSK	16	0	21.66	21.62	21.62			23	1				
3	16QAM	1	0	21.62	22.22	22.21								
3	16QAM	1	8	22.06	21.96	21.98			22	2				
3	16QAM	1	16	22.17	22.06	22.05								
3	16QAM	1	24	22.05	21.18	20.92			22	2				
3	16QAM	8	0	20.98	20.98	20.98								
3	16QAM	8	8	20.80	21.00	20.92			22	2				
3	16QAM	8	16	21.00	20.71	20.74								
3	16QAM	16	0	20.77	20.86	20.85			21	3				
3	16QAM	16	8	20.96	19.73	19.79								
3	16QAM	16	0	20.02	19.81	19.90			19	5				
3	16QAM	1	0	17.76	17.66	17.66								
3	16QAM	1	8	17.81	17.86	17.84			19	5				
3	256QAM	1	14	17.95	17.70	17.89								
3	256QAM	8	0	17.46	17.46	17.67			19	5				
3	256QAM	8	7	17.72	17.73	17.83								
3	256QAM	8	7	17.73	17.62	17.83			19	5				
3	256QAM	15	0	17.77	17.76	17.61								
Channel														
19025 18900 19100														
1.4	QPSK	1	0	22.91	22.91	22.91			24	0				
1.4	QPSK	1	3	22.74	22.70	22.72								
1.4	QPSK	1	6	22.68	22.64	22.64			23	1				
1.4	QPSK	3	0	22.82	22.74	22.93								
1.4	QPSK	3	1	22.77	22.83	22.80			23	1				
1.4	QPSK	3	2	22.72	22.80	22.82								
1.4	QPSK	6	0	21.66	21.82	21.84			23	1				
1.4	16QAM	1	0	21.87	22.30	22.25								
1.4	16QAM	1	3	21.77	21.80	21.80			23	1				
1.4	16QAM	1												

Band 17_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-on (ms)	MPR (dB)			
Channel				23765	23765	23805					
Frequency (MHz)				706.5	710	713.5					
10	QPSK	1	0	22.53	22.53	22.53	24	0			
10	QPSK	1	25	22.91	22.92	22.97					
10	QPSK	1	49	22.90	22.90	22.98					
10	QPSK	25	0	22.91	22.97	23.24					
10	QPSK	25	12	22.12	22.12	22.20	23	1			
10	QPSK	25	25	22.16	22.24	22.15					
10	QPSK	50	0	22.17	22.23	22.20					
10	QPSK	50	1	22.35	22.36	22.70					
10	HQDM	1	25	22.43	22.36	22.33	23	1			
10	HQDM	1	49	22.43	22.29	22.70					
10	HQDM	25	0	21.38	21.32	21.37					
10	HQDM	25	12	21.32	21.22	21.28					
10	HQDM	25	25	21.10	21.24	21.14	22	2			
10	HQDM	50	0	21.28	21.20	21.23					
10	HQDM	1	0	21.52	21.38	21.36					
10	HQDM	1	25	21.74	21.54	21.33					
10	HQDM	1	49	21.41	21.51	21.46	22	2			
10	HQDM	25	0	20.27	20.23	20.38					
10	HQDM	25	12	20.44	20.38	20.36					
10	HQDM	25	25	20.30	20.18	20.27					
10	HQDM	50	0	20.38	20.32	20.28	21	3			
10	SSBQDM	1	0	17.68	17.71	17.80					
10	SSBQDM	1	25	17.88	17.77	17.85					
10	SSBQDM	1	49	17.88	17.70	17.79					
10	SSBQDM	25	0	17.70	17.71	17.86					
10	SSBQDM	25	12	17.88	17.67	17.84	19	5			
10	SSBQDM	25	25	17.73	17.85	17.74					
10	SSBQDM	50	0	17.68	17.65	17.82					
Channel				23765 <th>23765<th>23805</th><th colspan="3"></th></th>	23765 <th>23805</th> <th colspan="3"></th>	23805					
Frequency (MHz)				706.5 <th>710</th> <th>713.5<th colspan="3"></th></th>	710	713.5 <th colspan="3"></th>					
5	QPSK	1	0	22.87	22.96	23.00	24	0			
5	QPSK	1	12	22.88	22.77	22.80					
5	QPSK	1	24	22.84	22.99	23.01					
5	QPSK	12	0	22.38	22.26	22.18					
5	QPSK	12	7	22.30	22.07	22.11	23	1			
5	QPSK	12	13	22.39	22.20	22.27					
5	QPSK	25	0	22.30	22.09	22.29					
5	HQDM	1	0	22.47	22.46	22.56					
5	HQDM	1	12	22.45	22.42	22.43	23	1			
5	HQDM	1	24	22.47	22.22	22.52					
5	HQDM	12	0	21.37	21.14	21.44					
5	HQDM	12	7	21.38	21.08	21.25					
5	HQDM	12	13	21.27	21.09	21.06	22	2			
5	HQDM	25	0	21.13	21.10	21.19					
5	HQDM	1	0	21.38	21.28	21.38					
5	HQDM	1	12	21.74	21.57	21.30					
5	HQDM	1	24	21.50	21.40	21.42	22	2			
5	HQDM	12	0	20.30	20.20	20.44					
5	HQDM	12	7	20.35	20.25	20.44					
5	HQDM	12	13	20.14	20.15	20.22					
5	HQDM	25	0	20.16	20.02	20.03	21	3			
5	SSBQDM	1	0	17.78	17.65	17.66					
5	SSBQDM	1	12	17.83	17.63	17.80					
5	SSBQDM	1	24	17.77	17.78	17.87					
5	SSBQDM	12	0	17.69	17.62	17.72	19	5			
5	SSBQDM	12	7	17.84	17.59	17.88					
5	SSBQDM	12	13	17.57	17.53	17.71					
5	SSBQDM	25	0	17.57	17.52	17.72					

Band 26_Ant 0											
BW (MHz)	Modulation	RB Box	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-on (ms)	MPR (dB)			
Channel				26765	26865	26965					
Frequency (MHz)											
15	QPSK	1	0	22.55	22.57	22.55	24	0			
15	QPSK	1	37	22.63	22.72	22.70					
15	QPSK	1	74	22.62	22.71	22.71					
15	QPSK	36	0	21.91	21.91	21.95					
15	QPSK	36	20	21.79	21.87	21.82	23	1			
15	QPSK	36	36	21.76	21.83	21.83					
15	QPSK	50	0	21.78	21.87	21.86					
15	HQDM	1	0	22.01	22.33	22.06					
15	HQDM	1	37	22.24	21.85	21.89	23	1			
15	HQDM	1	74	22.20	22.21	21.91					
15	HQDM	36	0	20.76	20.87	20.88					
15	HQDM	36	20	20.93	20.84	20.91					
15	HQDM	50	0	20.95	20.89	20.90	22	2			
15	HQDM	75	0	20.84	20.90	21.01					
15	HQDM	1	0	20.89	20.93	20.95					
15	HQDM	1	37	21.00	20.98	20.97					
15	HQDM	1	74	21.05	21.00	20.96	22	2			
15	HQDM	36	0	19.83	19.88	19.93					
15	HQDM	36	20	19.85	19.87	19.95					
15	HQDM	50	0	20.08	20.01	19.99					
15	HQDM	75	0	19.92	19.86	19.88	21	3			
15	SSBQDM	1	0	17.71	17.68	17.72					
15	SSBQDM	1	37	17.83	17.67	17.69					
15	SSBQDM	1	74	17.78	17.78	17.78					
15	SSBQDM	36	0	17.54	17.55	17.65	19	5			
15	SSBQDM	36	20	17.62	17.55	17.72					
15	SSBQDM	50	0	17.61	17.58	17.87					
15	SSBQDM	75	0	17.60	17.58	17.87					
Channel				26765	26865	26965					
Frequency (MHz)											
10	QPSK	1	0	22.56	22.63	22.65	24	0			
10	QPSK	1	36	22.52	22.77	22.84					
10	QPSK	1	49	22.54	22.68	22.67					
10	QPSK	25	0	21.63	21.69	21.75					
10	QPSK	25	12	21.79	22.01	21.83	23	1			
10	QPSK	25	25	21.98	21.84	21.95					
10	QPSK	50	0	21.79	21.92	21.96					
10	HQDM	1	0	21.98	21.80	21.86					
10	HQDM	1	25	22.24	21.81	22.05	23	1			
10	HQDM	1	49	22.22	22.09	21.89					
10	HQDM	25	0	20.81	20.73	20.87					
10	HQDM	25	12	20.97	21.03	20.94					
10	HQDM	25	25	20.99	20.86	20.86	22	2			
10	HQDM	50	0	20.74	20.80	21.09					
10	HQDM	1	0	20.74	20.98	20.95					
10	HQDM	1	25	21.08	21.04	21.03					
10	HQDM	1	49	21.03	21.07	20.99	22	2			
10	HQDM	25	0	19.70	19.74	19.71					
10	HQDM	25	12	19.87	20.07	20.02					
10	HQDM	25	25	19.93	19.96	19.93					
10	HQDM	50	0	19.85	19.74	19.85	21	3			
10	SSBQDM	1	0	17.73	17.47	17.76					
10	SSBQDM	1	25	17.85	17.60	17.72					
10	SSBQDM	1	49	17.78	17.63	17.65					
10	SSBQDM	25	0	17.40	17.70	17.64	19	5			
10	SSBQDM	25	12	17.51	17.53	17.62					
10	SSBQDM	25	25	17.50	17.58	17.65					
10	SSBQDM	50	0	17.47	17.42	17.57					
Channel				26715	26865	27015					
Frequency (MHz)											
5	QPSK	1	0	22.43	22.61	22.76	24	0			
5	QPSK	1	12	22.69	22.72	22.79					
5	QPSK	1	24	22.47	22.69	22.70					
5	QPSK	12	0	21.68	21.68	21.75					
5	QPSK	12	7	21.90	21.92	21.84	23	1			
5	QPSK	12	14	21.68	21.81	21.81					
5	HQDM	1	0	22.00	22.27	22.03					
5	HQDM	1	12	22.23	21.80	21.84					
5	HQDM	1	24	22.12	22.28	21.78	23	1			
5	HQDM	12	0	20.82	20.94	20.91					
5	HQDM	12	7	20.80	20.81	20.93					
5	HQDM	12	14	20.97	20.87	20.91					
5	HQDM	1	0	20.69	20.91	20.90	22	2			
5	HQDM	1	12	20.96	20.94	20.99					
5	HQDM	1	24	21.01	21.01	21.01					
5	HQDM	12	0	19.85	19.86	19.96					
5	HQDM	12	7	19.81	19.86	20.06	22	2			
5	HQDM	12	14	19.99	20.06	20.04					
5	HQDM	25	0	18.99	19.05	19.05					
5	HQDM	25	13	19.16	19.03	19.03					
5	SSBQDM	1	0	18.99	18.91	18.94	19	5			
5	SSBQDM	1	12	19.00	18.90	18.90					
5	SSBQDM	1	24	17.68	17.73	17.65					
5	SSBQDM	12	0	17.52	17.52	17.62					
5	SSBQDM	12	7	17.57	17.57	17.64					
5	SSBQDM	12	14	17.67	17.50	17.64					
5	SSBQDM	25	0	17.44	17.46	17.48					
Channel				26705	26865	27025					
Frequency (MHz)											
3	QPSK	1	0	22.52	22.62	22.72	24	0			
3	QPSK	1	36	22.48	22.74	22.74					
3	QPSK	1	14	22.57	22.62	22.66					
3	QPSK	8	0	21.59	21.63	21.68					
3	QPSK	8	7	21.79	21.78	21.80	23	1			
3	QPSK	8	7	21.93	21.88	21.78					
3	QPSK	15	0	21.75	21.79	21.88					
3	HQDM	1	0	22.11	21.86	21.86					
3	HQDM	1	8	22.12	21.96	21.91	23	1			
3	HQDM	1	14	22.22	22.18	21.78					
3	HQDM	8	0	20.87	20.89	20.87					
3	HQDM	8	4	20.83	20.96	20.70					
3	HQDM	8	7	20.94	20.87	20.88	22	2			
3	HQDM	15	0	20.74	20.78	21.02					
3	HQDM	1	0	20.89	20.94	21.02					
3	HQDM	1	8	20.97	21.00	21.01					
3	HQDM	1	14	21.02	21.02	21.02	22	2			
3	HQDM	8	0	19.82	19.90	20.11					
3	HQDM	8	4	19.83	19.94	19.94					
3	HQDM	8	7	19.97	19.97	19.97					
3	HQDM	15	0	19.80	19.91	19.98	21	3			
3	SSBQDM	1	0	17.61	17.54	17.79					
3	SSBQDM	1	14	17.71	17.61	17.67					
3	SSBQDM	8	0	17.99	17.53	17.88					
3	SSBQDM	8	7	17.99	17.58	17.83	19	5			
3	SSBQDM	15	0	17.62	17.43	17.73					
3	SSBQDM	8	7	17.62	17.68	17.70					
3	SSBQDM	15	0	17.60	17.66	17.75					
Channel				814.7	831.5	847.3					
Frequency (MHz)											
1.4	QPSK	1	0	22.54	22.72	22.86	24	0			
1.4	QPSK	1	3	22.64	22.73	22.81					
1.4	QPSK	1	6	22.63	22.63	22.63					
1.4	QPSK	3	0	22.63	22.97	22.70					
1.4	QPSK	3	3	22.62	22.99	22.84	23	1			
1.4	QPSK	3	6	22.67	22.98	22.87					
1.4	QPSK	6	0	21.67	21.74	21.86					
1.4	HQDM	1	0	21.92	22.25	21.91					
1.4	HQDM	1	3	21.87	22.17	21.87	23	1			
1.4	HQDM	1	6	22.24	22.31	21.81					
1.4	HQDM	3	0	21.43	21.53	21.60					
1.4	HQDM	3	3	21.62	21.58	21.60					
1.4	HQDM	6	0	20.72	20.77	20.86	22	2			
1.4	HQDM	6	3	20.82	20.82	20.86					
1.4	HQDM	1	0	20.87	21.01	20.95					
1.4	HQDM	1	3	20.99	21.08	20.78					
1.4	HQDM	3	0	20.81	20.93	20.93	22	2			
1.4	HQDM	3	3	20.60	20.81	20.77					
1.4	HQDM	3	6	20.85	20.76	20.87					
1.4	SSBQDM	1	0	17.83	17.83	17.83					
1.4	SSBQDM	1	3	17.88	17.75	17.88	21	3			
1.4	SSBQDM	1	6	17.87	17.69	17.83					
1.4	SSBQDM	3	0	17.58	17.45	17.78					
1.4	SSBQDM	3	3	17.50	17.42	17.70					
1.4	SSBQDM	6	0	17.56	17.48	17.75	19	5			
1.4	SSBQDM	6	3	17.56	17.48	17.75					
1.4	SSBQDM	6	6	17.58	17.48	17.70					
1.4	SSBQDM	6	9	17.56	17.48	17.70					

Band 38_Ant 1									
BW [MHz]	Modulatio n	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	23.08	23.17	23.12	24	0	
20	QPSK	1	49	22.83	22.82	22.95			
20	QPSK	1	99	22.93	22.73	22.74			
20	QPSK	50	0	21.98	22.02	21.98	23	1	
20	QPSK	50	24	21.86	21.96	21.98			
20	QPSK	50	50	21.94	21.97	21.95			
20	QPSK	100	0	21.91	21.96	21.95	23	1	
20	16QAM	1	0	21.82	21.89	21.71			
20	16QAM	1	49	21.69	21.73	21.86			
20	16QAM	1	99	21.74	21.82	21.80	22	2	
20	16QAM	50	0	20.80	20.55	20.70			
20	16QAM	50	24	20.78	20.73	20.77			
20	16QAM	50	50	20.70	20.74	20.74	22	2	
20	16QAM	100	0	20.70	20.73	20.78			
20	64QAM	1	0	20.28	20.18	20.35			
20	64QAM	1	49	20.38	20.38	20.45	22	2	
20	64QAM	1	99	20.41	20.33	20.33			
20	64QAM	50	0	19.65	19.55	19.65			
20	64QAM	50	24	19.73	19.73	19.85	21	3	
20	64QAM	50	50	19.73	19.76	19.96			
20	64QAM	100	0	19.64	19.67	19.65			
20	256QAM	1	0	17.73	17.48	17.64	19	5	
20	256QAM	1	49	17.46	17.21	17.44			
20	256QAM	1	99	17.50	17.65	17.41			
20	256QAM	50	0	17.62	17.52	17.47	19	5	
20	256QAM	50	24	17.60	17.48	17.43			
20	256QAM	50	50	17.50	17.59	17.44			
20	256QAM	100	0	17.95	17.39	17.48			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.97	22.72	22.66	24	0	
15	QPSK	1	37	22.84	22.91	22.95			
15	QPSK	1	74	22.52	22.89	23.13			
15	QPSK	1	111	21.86	22.95	23.01	23	1	
15	QPSK	36	20	21.89	22.05	22.01			
15	QPSK	36	39	22.09	22.02	21.98			
15	QPSK	75	0	22.06	21.99	21.86	23	1	
15	16QAM	1	0	21.61	21.63	21.79			
15	16QAM	1	37	21.70	21.65	21.83			
15	16QAM	1	74	21.78	21.81	21.81	22	2	
15	16QAM	36	0	20.50	20.36	20.74			
15	16QAM	36	20	20.80	20.72	20.63			
15	16QAM	36	39	20.70	20.67	20.75	22	2	
15	16QAM	75	0	20.58	20.78	20.87			
15	64QAM	1	0	20.16	20.24	20.40			
15	64QAM	1	37	20.27	20.35	20.39	22	2	
15	64QAM	1	74	20.41	20.18	20.53			
15	64QAM	36	0	19.65	19.68	19.67			
15	64QAM	36	20	19.78	19.78	19.88	21	3	
15	64QAM	36	39	19.69	19.64	19.84			
15	64QAM	75	0	19.58	19.68	19.56			
15	256QAM	1	0	17.69	17.39	17.50	19	5	
15	256QAM	1	37	17.41	17.46	17.12			
15	256QAM	1	74	17.57	17.34	17.32			
15	256QAM	1	111	17.74	17.54	17.47	19	5	
15	256QAM	36	20	17.73	17.50	17.61			
15	256QAM	36	39	17.56	17.61	17.23			
15	256QAM	75	0	17.63	17.52	17.68			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.90	22.73	22.68	24	0	
10	QPSK	1	25	22.77	22.77	23.00			
10	QPSK	1	49	22.88	22.91	22.99			
10	QPSK	25	0	21.89	22.95	21.92	23	1	
10	QPSK	25	12	21.85	22.07	22.04			
10	QPSK	25	25	22.05	21.97	22.17			
10	QPSK	50	0	21.90	22.04	21.97	23	1	
10	16QAM	1	0	21.63	21.65	21.68			
10	16QAM	1	25	21.70	21.62	21.84			
10	16QAM	1	49	21.83	21.68	21.88	22	2	
10	16QAM	25	0	20.45	20.59	20.56			
10	16QAM	25	12	20.87	20.64	20.83			
10	16QAM	25	25	20.70	20.78	20.72	22	2	
10	16QAM	50	0	20.59	20.71	20.80			
10	64QAM	1	0	20.16	20.23	20.37			
10	64QAM	1	25	20.23	20.46	20.54	22	2	
10	64QAM	1	49	20.26	20.20	20.42			
10	64QAM	25	0	19.65	19.59	19.53			
10	64QAM	25	12	19.80	19.83	19.85	21	3	
10	64QAM	25	25	19.85	19.66	19.94			
10	64QAM	50	0	19.63	19.77	19.62			
10	256QAM	1	0	17.71	17.40	17.61	19	5	
10	256QAM	1	25	17.44	17.27	17.28			
10	256QAM	1	49	17.68	17.47	17.41			
10	256QAM	25	0	17.46	17.65	17.41	19	5	
10	256QAM	25	12	17.79	17.62	17.58			
10	256QAM	25	25	17.56	17.41	17.12			
10	256QAM	50	0	17.73	17.37	17.49			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.96	22.72	22.77	24	0	
5	QPSK	1	12	22.91	22.79	23.02			
5	QPSK	1	24	23.02	22.86	23.12			
5	QPSK	12	0	22.10	22.00	22.04	23	1	
5	QPSK	12	7	21.93	21.95	22.02			
5	QPSK	12	13	22.06	21.95	22.13			
5	QPSK	25	0	22.01	21.96	21.92	23	1	
5	16QAM	1	0	21.55	21.72	21.78			
5	16QAM	1	12	21.59	21.67	21.94			
5	16QAM	1	24	21.68	21.91	21.88	22	2	
5	16QAM	12	0	20.59	20.58	20.75			
5	16QAM	12	7	20.68	20.79	20.84			
5	16QAM	12	13	20.79	20.77	20.82	22	2	
5	16QAM	25	0	20.74	20.77	20.86			
5	64QAM	1	0	20.17	20.04	20.22			
5	64QAM	1	12	20.36	20.35	20.46	22	2	
5	64QAM	1	24	20.42	20.40	20.42			
5	64QAM	12	0	19.65	19.51	19.52			
5	64QAM	12	7	19.67	19.72	19.75	21	3	
5	64QAM	12	13	19.72	19.72	19.88			
5	64QAM	25	0	19.59	19.69	19.72			
5	256QAM	1	0	17.55	17.47	17.62	19	5	
5	256QAM	1	12	17.47	17.39	17.14			
5	256QAM	1	24	17.53	17.58	17.29			
5	256QAM	12	0	17.43	17.59	17.46	19	5	
5	256QAM	12	7	17.69	17.60	17.35			
5	256QAM	12	13	17.76	17.57	17.10			
5	256QAM	25	0	17.74	17.55	17.52			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	

Band 41_Ant 1										
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.26	23.19	23.31	23.25	23.36	24	0
20	QPSK	1	99	23.24	23.17	23.14	23.15	23.31		
20	QPSK	1	99	23.24	23.16	23.27	23.21	23.25		
20	QPSK	50	0	22.21	22.16	22.13	22.15	22.28		
20	QPSK	50	24	22.23	22.16	22.18	22.26	22.10	23	1
20	QPSK	50	24	22.24	22.21	22.21	22.16	22.08		
20	QPSK	100	0	22.15	22.12	22.23	22.27	22.29		
20	16QAM	1	0	21.88	22.03	22.02	22.06	22.37		
20	16QAM	1	49	22.04	21.97	21.97	22.12	22.08	23	1
20	16QAM	1	99	22.16	21.96	21.96	22.15	22.14		
20	16QAM	50	0	21.01	21.01	21.03	21.15	20.99		
20	16QAM	50	24	20.98	21.29	20.85	21.10	21.22		
20	16QAM	50	50	20.98	21.21	20.85	21.13	21.14	22	2
20	16QAM	100	0	21.30	21.04	20.87	21.13	21.04		
20	64QAM	1	0	20.52	20.46	20.78	20.63	20.76		
20	64QAM	1	49	20.49	20.63	20.86	20.57	20.86		
20	64QAM	1	99	20.56	20.56	20.58	20.80	20.71	22	2
20	64QAM	50	0	20.14	19.93	20.10	20.08	19.98		
20	64QAM	50	24	20.24	20.00	19.96	20.16	20.18		
20	64QAM	50	50	20.02	19.93	20.08	20.11	20.32		
20	64QAM	100	0	19.84	19.96	20.03	20.09	20.14	21	3
20	256QAM	1	0	17.65	17.56	17.69	17.52	17.39		
20	256QAM	1	49	17.58	17.45	17.45	17.46	17.54		
20	256QAM	1	99	17.66	17.58	17.38	17.54	17.34		
20	256QAM	50	0	17.70	17.66	17.62	17.65	17.81	19	5
20	256QAM	50	24	17.82	17.74	17.60	17.61	17.82		
20	256QAM	50	50	17.77	17.58	17.36	17.58	17.71		
20	256QAM	100	0	17.89	17.62	17.62	17.63	17.71		
Channel				39725	40173	40620	41088	41515	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.03	23.07	23.15	23.11	23.25	24	0
15	QPSK	1	37	23.15	23.16	23.03	23.15	23.16		
15	QPSK	1	74	23.25	23.03	23.17	23.26	23.17		
15	QPSK	36	0	22.23	22.19	21.95	22.17	22.39		
15	QPSK	36	20	22.37	22.21	22.11	22.19	22.26	23	1
15	QPSK	36	39	22.16	22.26	22.04	22.32	22.40		
15	QPSK	75	0	22.39	22.21	22.05	22.33	22.32		
15	16QAM	1	0	21.87	21.95	21.88	22.15	22.22		
15	16QAM	1	37	21.86	21.86	21.95	22.22	22.28	23	1
15	16QAM	1	74	22.11	21.88	21.89	22.21	21.97		
15	16QAM	36	0	20.96	20.84	20.99	21.08	20.98		
15	16QAM	36	20	20.89	21.11	20.85	21.12	21.08		
15	16QAM	36	39	20.99	21.07	20.84	21.08	21.12	22	2
15	16QAM	75	0	21.15	20.90	20.82	21.02	20.98		
15	64QAM	1	0	20.41	20.34	20.66	20.46	20.31		
15	64QAM	1	37	20.31	20.48	20.68	20.41	20.72		
15	64QAM	1	74	20.39	20.47	20.49	20.71	20.66	22	2
15	64QAM	36	0	19.96	19.92	20.04	19.94	19.93		
15	64QAM	36	20	20.12	19.93	19.88	20.01	20.16		
15	64QAM	36	39	19.97	19.87	19.94	20.11	20.18		
15	64QAM	75	0	19.51	19.81	19.96	19.93	20.10	21	3
15	64QAM	36	0	17.52	17.53	17.59	17.38	17.35		
15	256QAM	1	37	17.55	17.41	17.27	17.34	17.49		
15	256QAM	1	74	17.48	17.60	17.18	17.48	17.34		
15	256QAM	36	0	17.67	17.64	17.59	17.51	17.80	19	5
15	256QAM	36	20	17.74	17.74	17.54	17.61	17.82		
15	256QAM	36	39	17.62	17.73	17.33	17.45	17.67		
15	256QAM	75	0	17.59	17.58	17.44	17.53	17.67		
Channel				39750	40185	40620	41055	41490	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2501	2517	2593	2639	2685		
10	QPSK	1	0	22.92	22.93	23.09	23.11	23.26	24	0
10	QPSK	1	25	23.29	23.10	23.05	23.05	23.24		
10	QPSK	1	49	23.05	23.08	23.30	23.25	23.21		
10	QPSK	25	0	22.13	22.27	22.16	22.27	22.41		
10	QPSK	25	12	22.38	22.19	22.16	22.30	22.32	23	1
10	QPSK	25	25	22.30	22.25	22.02	22.14	22.26		
10	QPSK	50	0	22.23	22.12	22.34	22.05	22.18		
10	16QAM	1	0	21.91	21.94	21.82	21.99	22.05		
10	16QAM	1	25	22.01	21.92	21.71	22.02	22.07	23	1
10	16QAM	1	49	21.91	22.01	21.92	22.21	22.18		
10	16QAM	25	0	21.03	20.93	20.92	21.10	20.98		
10	16QAM	25	12	21.05	21.01	20.75	21.04	21.03		
10	16QAM	25	25	21.13	20.94	20.99	21.04	21.12	22	2
10	16QAM	50	0	21.02	20.99	20.76	21.18	20.94		
10	64QAM	1	0	20.41	20.37	20.60	20.66	20.74		
10	64QAM	1	25	20.41	20.52	20.69	20.53	20.71		
10	64QAM	1	49	20.35	20.49	20.59	20.62	20.57	21	3
10	64QAM	25	0	19.92	19.83	19.89	19.96	20.17		
10	64QAM	25	12	20.02	20.04	19.83	20.21	20.15		
10	64QAM	50	0	19.91	20.01	19.83	20.13	20.12		
10	64QAM	50	0	19.88	19.92	19.76	20.02	20.04	19	5
10	256QAM	1	0	17.51	17.40	17.48	17.27	17.42		
10	256QAM	1	25	17.68	17.34	17.37	17.29	17.39		
10	256QAM	1	49	17.58	17.69	17.30	17.42	17.30		
10	256QAM	25	0	17.67	17.82	17.70	17.60	17.76	19	5
10	256QAM	25	12	17.72	17.64	17.54	17.52	17.76		
10	256QAM	25	25	17.66	17.45	17.43	17.51	17.32		
10	256QAM	50	0	17.47	17.64	17.52	17.31	17.48		
Channel				39673	40148	40620	41093	41565	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2495.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.95	22.95	23.03	23.20	23.16	24	0
5	QPSK	1	12	23.10	23.18	23.00	23.05	23.32		
5	QPSK	1	24	23.25	23.13	23.25	23.28	23.31		
5	QPSK	12	0	22.25	22.17	22.02	22.34	22.42		
5	QPSK	12	7	22.30	22.28	21.99	22.25	22.45	23	1
5	QPSK	12	13	22.20	22.20	22.14	22.33	22.33		
5	QPSK	25	0	22.39	22.27	22.28	22.25	22.31		
5	16QAM	1	0	21.86	21.85	21.94	21.96	22.05		
5	16QAM	1	12	22.02	21.69	21.84	22.03	21.80	23	1
5	16QAM	1	24	21.97	21.94	21.94	22.01	22.15		
5	16QAM	12	0	21.01	20.91	20.83	20.86	21.17		
5	16QAM	12	7	21.00	20.99	20.93	21.01	21.32		
5	16QAM	12	13	21.11	20.85	21.07	21.08	21.11	22	2
5	16QAM	25	0	20.98	21.03	21.71	21.11	21.04		
5	64QAM	1	0	20.55	20.46	20.66	20.70	20.66		
5	64QAM	1	12	20.28	20.55	20.62	20.45	20.61		
5	64QAM	1	24	20.50	20.25	20.42	20.67	20.72	21	3
5	64QAM	12	0	20.05	19.82	19.92	19.99	20.15		
5	64QAM	12	7	20.51	19.96	19.96	19.96	20.04		
5	64QAM	12	13	19.97	19.94	19.99	20.11	20.04		
5	256QAM	1	0	17.38	17.44	17.56	17.16	17.43	19	5
5	256QAM	1	12	17.60	17.37	17.40	17.36	17.52		
5	256QAM	1	24	17.45	17.48	17.27	17.54	17.47		
5	256QAM	12	0	17.66	17.36	17.56	17.31	17.32		
5	256QAM	12	7	17.70	17.53	17.59	17.66	17.82	19	5
5	256QAM	12	13	17.68	17.58	17.42	17.63	17.73		
5	256QAM	25	0	17.54	17.57	17.41	17.52	17.41		

Band 41 (HPUE)_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	27	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.91	25.78	25.79	25.86	26.16	26	1
20	QPSK	1	49	25.88	25.72	25.69	25.73	25.92		
20	QPSK	1	99	25.84	25.68	25.73	25.74	25.92	25	2
20	QPSK	50	0	24.85	24.70	24.70	24.75	24.81		
20	QPSK	50	24	24.85	24.73	24.67	24.62	24.83	24	3
20	QPSK	50	50	24.82	24.61	24.60	24.68	24.87		
20	QPSK	100	0	24.77	24.71	24.68	24.73	24.87	23	4
20	16QAM	1	0	24.99	24.89	24.81	24.59	25.02		
20	16QAM	1	49	24.95	24.85	24.74	24.62	25.04	22	5
20	16QAM	1	99	24.94	24.72	24.76	24.79	25.06		
20	16QAM	50	0	23.79	23.78	23.68	23.68	23.95	21	6
20	16QAM	50	24	23.87	23.77	23.72	23.56	23.87		
20	16QAM	50	50	23.92	23.61	23.65	23.62	23.83	20	7
20	16QAM	100	0	23.81	23.79	23.71	23.55	23.87		
20	64QAM	1	0	23.84	23.69	23.67	23.40	23.88	19	8
20	64QAM	1	49	23.80	23.62	23.59	23.45	23.86		
20	64QAM	1	99	23.88	23.52	23.66	23.65	23.84	18	9
20	64QAM	50	0	22.70	22.69	22.64	22.41	22.87		
20	64QAM	50	24	22.80	22.72	22.65	22.48	22.82	17	10
20	64QAM	50	50	22.85	22.57	22.60	22.52	22.79		
20	64QAM	100	0	22.82	22.80	22.73	22.57	22.90	16	11
20	256QAM	1	0	20.71	20.72	20.72	20.34	20.55		
20	256QAM	1	49	20.66	20.58	20.61	20.50	20.75	15	12
20	256QAM	1	99	20.65	20.75	20.60	20.69	20.72		
20	256QAM	50	0	20.88	20.81	20.74	20.65	20.79	14	13
20	256QAM	50	24	20.91	20.83	20.73	20.64	20.83		
20	256QAM	50	50	20.88	20.81	20.71	20.65	20.78	13	14
20	256QAM	100	0	20.74	20.81	20.52	20.49	20.72		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	27 <th rowspan="2">0</th>	0
15	QPSK	1	0	25.97	25.93	25.76	25.51	25.93		
15	QPSK	1	37	25.98	25.90	25.69	25.52	25.91		
15	QPSK	1	74	26.00	25.77	25.77	25.76	25.94	25	2
15	QPSK	36	0	24.85	24.79	24.68	24.57	24.95		
15	QPSK	36	20	24.89	24.67	24.63	24.50	24.88	24	3
15	QPSK	36	39	24.86	24.62	24.98	24.54	24.78		
15	QPSK	75	0	24.89	24.66	24.69	24.53	24.86	23	4
15	16QAM	1	0	24.96	24.97	24.81	24.65	25.05		
15	16QAM	1	37	24.91	24.77	24.63	24.63	24.98	22	5
15	16QAM	1	74	25.04	24.80	24.89	24.81	24.96		
15	16QAM	36	0	23.84	23.71	23.63	23.50	23.88	21	6
15	16QAM	36	20	23.85	23.63	23.63	23.50	23.84		
15	16QAM	36	39	23.85	23.60	23.99	23.53	23.81	20	7
15	16QAM	75	0	23.89	23.71	23.67	23.54	23.89		
15	64QAM	1	0	23.90	23.84	23.68	23.59	23.96	19	8
15	64QAM	1	37	23.79	23.64	23.59	23.53	23.95		
15	64QAM	1	74	23.83	23.65	23.70	23.62	23.85	18	9
15	64QAM	36	0	22.87	22.78	22.69	22.48	22.89		
15	64QAM	36	20	22.88	22.69	22.66	22.51	22.86	17	10
15	64QAM	36	39	22.87	22.64	22.59	22.53	22.86		
15	64QAM	75	0	22.89	22.67	22.69	22.56	22.88	16	11
15	256QAM	1	0	20.72	20.69	20.79	20.45	20.54		
15	256QAM	1	37	20.64	20.61	20.59	20.57	20.79	15	12
15	256QAM	1	74	20.75	20.66	20.36	20.63	20.75		
15	256QAM	36	0	20.97	20.83	20.70	20.63	20.88	14	13
15	256QAM	36	20	20.94	20.77	20.77	20.58	20.88		
15	256QAM	36	39	20.98	20.91	20.78	20.75	20.88	13	14
15	256QAM	75	0	20.77	20.84	20.43	20.39	20.82		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	27 <th rowspan="2">0</th>	0
10	QPSK	1	0	26.07	25.96	25.80	25.66	25.89		
10	QPSK	1	25	26.02	25.91	25.83	25.70	25.89		
10	QPSK	1	49	26.08	25.82	25.81	25.74	25.91	25	2
10	QPSK	25	0	24.99	24.84	24.72	24.55	25.04		
10	QPSK	25	12	25.02	24.89	24.80	24.65	24.99	24	3
10	QPSK	25	25	25.00	24.73	24.68	24.67	24.91		
10	QPSK	50	0	25.00	24.80	24.75	24.62	24.93	23	4
10	16QAM	1	0	25.13	25.06	24.96	24.82	25.26		
10	16QAM	1	25	25.12	24.99	24.89	24.89	25.13	22	5
10	16QAM	1	49	25.13	24.91	24.85	24.82	25.24		
10	16QAM	25	0	24.03	23.81	23.81	23.62	24.07	21	6
10	16QAM	25	12	24.06	23.92	23.85	23.65	23.98		
10	16QAM	25	25	24.06	23.70	23.75	23.70	23.94	20	7
10	16QAM	50	0	24.00	23.86	23.78	23.67	23.95		
10	64QAM	1	0	24.06	24.04	23.93	23.69	23.84	19	8
10	64QAM	1	25	24.05	23.92	23.86	23.65	23.83		
10	64QAM	1	49	24.12	23.88	23.86	23.78	23.82	18	9
10	64QAM	25	0	22.95	22.83	22.73	22.54	22.76		
10	64QAM	25	12	22.99	22.87	22.77	22.65	22.95	17	10
10	64QAM	25	25	23.01	22.76	22.68	22.69	22.96		
10	64QAM	50	0	22.99	22.78	22.71	22.65	22.88	16	11
10	256QAM	1	0	20.71	20.62	20.65	20.33	20.45		
10	256QAM	1	25	20.69	20.58	20.59	20.47	20.69	15	12
10	256QAM	1	49	20.75	20.75	20.45	20.70	20.71		
10	256QAM	25	0	20.93	20.84	20.81	20.58	20.89	14	13
10	256QAM	25	12	20.95	20.78	20.66	20.54	20.86		
10	256QAM	25	25	20.90	20.80	20.78	20.58	20.77	13	14
10	256QAM	50	0	20.84	20.82	20.58	20.49	20.64		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	27 <th rowspan="2">0</th>	0
5	QPSK	1	0	26.95	26.92	26.78	26.64	26.94		
5	QPSK	1	12	25.86	26.00	25.91	25.75	25.92		
5	QPSK	1	24	25.79	25.85	25.75	25.71	25.95	25	2
5	QPSK	12	0	25.01	24.81	24.70	24.59	24.89		
5	QPSK	12	7	25.03	24.82	24.70	24.67	24.98	24	3
5	QPSK	12	13	24.98	24.74	24.72	24.59	24.93		
5	QPSK	25	0	24.96	24.77	24.75	24.61	24.90	23	4
5	16QAM	1	0	25.15	24.97	24.86	24.80	25.15		
5	16QAM	1	12	25.16	25.11	24.93	24.95	25.17	22	5
5	16QAM	1	24	25.15	24.98	25.01	24.90	25.25		
5	16QAM	12	0	24.03	23.88	23.85	23.77	24.04	21	6
5	16QAM	12	7	24.19	23.87	23.92	23.83	23.99		
5	16QAM	12	13	24.07	23.86	23.79	23.79	24.03	20	7
5	16QAM	25	0	24.07	23.78	23.78	23.66	23.98		
5	64QAM	1	0	24.03	23.93	23.75	23.70	23.91	19	8
5	64QAM	1	12	23.95	24.01	23.69	23.57	23.75		
5	64QAM	1	24	24.00	23.98	23.81	23.80	23.84	18	9
5	64QAM	12	0	23.02	22.92	22.75	22.64	22.76		
5	64QAM	12	7	23.02	22.78	22.77	22.61	22.97	17	10
5	64QAM	12	13	22.98	22.73	22.73	22.60	22.93		
5	64QAM	25	0	22.90	22.75	22.71	22.60	22.95	16	11
5	256QAM	1	0	20.60	20.68	20.63	20.44	20.60		
5	256QAM	1	12	20.60	20.57	20.64	20.59	20.79	15	12
5	256QAM	1	24	20.60	20.71	20.45	20.68	20.70		
5	256QAM	12	0	20.79	20.83	20.77	20.68	20.70	14	13
5	256QAM	12	7	20.83	20.69	20.78	20.69	20.91		
5	256QAM	12	13	20.78	20.84	20.62	20.71	20.72	13	14
5	256QAM	25	0	20.72	20.83	20.62	20.55	20.76		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				3790	3840	3900		
100	Pl2 BPSK	1	1	21.47	21.65	21.55		
100	Pl2 BPSK	1	137	21.60	21.73	21.72	23.0	0.0
100	Pl2 BPSK	1	271	21.72	21.77	21.69		
100	Pl2 BPSK	135	0	21.47	21.55	21.48	23.0	0.0
100	Pl2 BPSK	135	69	21.62	21.65	21.57	23.0	0.0
100	Pl2 BPSK	135	138	21.40	21.46	21.34		
100	Pl2 BPSK	270	0	21.37	21.51	21.39	23.0	0.0
100	QPSK	1	1	21.63	21.81	21.65		
100	QPSK	1	137	21.51	21.70	21.58		
100	QPSK	1	271	21.53	21.71	21.60	23.0	0.0
100	QPSK	135	0	21.52	21.56	21.46		
100	QPSK	135	69	21.62	21.78	21.63	23.0	0.0
100	QPSK	135	138	21.53	21.62	21.56		
100	QPSK	270	0	21.66	21.75	21.67	23.0	0.0
100	8QAM	1	1	21.81	21.79	21.73	23.0	0.0
100	8QAM	1	1	20.09	20.15	20.04	21.5	1.5
100	256QAM	1	1	18.19	18.27	18.22	19.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.52	21.68	21.63	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.44	21.78	21.50	23.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.61	21.69	21.53	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.52	21.79	21.57	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.44	21.77	21.63	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.60	21.70	21.53	23.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.56	21.69	21.47	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.55	21.61	21.62	23.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				3790				
100	Pl2 BPSK	1	1		21.65			
100	Pl2 BPSK	1	137		21.59		23.0	0.0
100	Pl2 BPSK	1	271		21.72			
100	Pl2 BPSK	135	0		21.37		23.0	0.0
100	Pl2 BPSK	135	69		21.51		23.0	0.0
100	Pl2 BPSK	135	138		21.39			
100	Pl2 BPSK	270	0		21.36		23.0	0.0
100	QPSK	1	1		21.74			
100	QPSK	1	137		21.63		23.0	0.0
100	QPSK	1	271		21.59			
100	QPSK	135	0		21.43			
100	QPSK	135	69		21.71		23.0	0.0
100	QPSK	135	138		21.64			
100	QPSK	270	0		21.68		23.0	0.0
100	8QAM	1	1		21.67		23.0	0.0
100	8QAM	1	1		20.15		21.5	1.5
100	256QAM	1	1		18.26		19.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.63	21.72	21.71	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.60	21.62	21.58	23.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.57	21.55	21.67	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.62	21.69	21.58	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.58	21.58	21.67	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.60	21.64	21.61	23.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.63	21.65	21.67	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.45	21.68	21.56	23.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				3790	3840	3900		
100	Pl2 BPSK	1	1	15.87	16.00	16.01		
100	Pl2 BPSK	1	137	16.04	16.07	15.91		
100	Pl2 BPSK	1	271	16.22	16.25	16.07	17.5	0.0
100	Pl2 BPSK	135	0	15.97	15.97	15.86	17.5	0.0
100	Pl2 BPSK	135	69	15.81	15.96	15.93	17.5	0.0
100	Pl2 BPSK	135	138	15.87	16.00	15.88		
100	Pl2 BPSK	270	0	15.90	15.97	15.93	17.5	0.0
100	QPSK	1	1	16.06	16.27	15.98		
100	QPSK	1	137	15.98	16.08	15.95	17.5	0.0
100	QPSK	1	271	16.02	16.22	15.92		
100	QPSK	135	0	16.04	16.09	15.96		
100	QPSK	135	69	16.03	16.25	16.11	17.5	0.0
100	QPSK	135	138	15.90	15.98	15.90		
100	QPSK	270	0	16.06	16.22	16.17	17.5	0.0
100	8QAM	1	1	16.22	16.26	16.16	17.5	0.0
100	8QAM	1	1	16.26	16.24	16.12	17.5	0.0
100	256QAM	1	1	14.78	14.82	14.71	16.5	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.96	16.11	16.10	17.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.05	16.25	16.10	17.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.05	16.12	16.12	17.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.92	16.23	16.00	17.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.91	16.17	16.06	17.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.85	16.19	16.06	17.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.03	16.24	15.96	17.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.85	16.23	16.09	17.5	0.0



Part270_n78_Ant 3									
BW (MHz)	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)				3750					
100	PI2 BPSK	1	1	15.91					
100	PI2 BPSK	1	137	16.07			17.5	0.0	
100	PI2 BPSK	1	271	16.10					
100	PI2 BPSK	135	0	15.90			17.5	0.0	
100	PI2 BPSK	135	69	15.91			17.5	0.0	
100	PI2 BPSK	135	138	15.94			17.5	0.0	
100	PI2 BPSK	270	0	15.86					
100	QPSK	1	1	16.25					
100	QPSK	1	137	16.02			17.5	0.0	
100	QPSK	1	271	16.04					
100	QPSK	135	0	16.04					
100	QPSK	135	69	16.16			17.5	0.0	
100	QPSK	135	138	15.98					
100	QPSK	270	0	16.12			17.5	0.0	
100	16QAM	1	1	16.21			17.5	0.0	
100	64QAM	1	1	16.23			17.5	0.0	
100	256QAM	1	1	14.65			16.5	1.0	
Channel				649988	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)		
50	QPSK	1	1	16.16	16.16	16.17	17.5	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)		
80	QPSK	1	1	16.17	16.16	16.00	17.5	0.0	
Channel				649500	650000	650500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	(dBm)		
70	QPSK	1	1	16.06	16.13	16.16	17.5	0.0	
Channel				649666	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3940.98	(dBm)		
60	QPSK	1	1	16.13	16.12	16.10	17.5	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99	(dBm)		
50	QPSK	1	1	16.05	16.11	16.00	17.5	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	(dBm)		
40	QPSK	1	1	16.17	16.12	15.99	17.5	0.0	
Channel				647666	650000	654132	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.98	(dBm)		
30	QPSK	1	1	16.10	16.04	16.14	17.5	0.0	
Channel				647334	650000	654666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)		
20	QPSK	1	1	16.14	16.10	16.12	17.5	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				37500		38400			
100	PI2 BPSK	1	1	19.41	19.43	19.31			
100	PI2 BPSK	1	137	19.46	19.52	19.37	21.0	0.0	
100	PI2 BPSK	1	271	19.27	19.34	19.08			
100	PI2 BPSK	135	0	18.60	18.63	18.54	20.5	0.5	
100	PI2 BPSK	135	69	19.37	19.42	19.36	21.0	0.0	
100	PI2 BPSK	135	138	18.51	18.59	18.52			
100	PI2 BPSK	270	0	18.58	18.56	18.64	20.5	0.5	
100	QPSK	1	1	19.24	19.58	19.45			
100	QPSK	1	137	19.15	19.03	19.01	21.0	0.0	
100	QPSK	1	271	19.18	19.05	19.00			
100	QPSK	135	0	18.21	18.37	18.20			
100	QPSK	135	69	19.10	19.53	19.35	21.0	0.0	
100	QPSK	135	138	18.35	18.29	18.11			
100	QPSK	270	0	18.27	18.46	18.20	20.0	1.0	
100	16QAM	1	1	18.24	18.52	18.17	20.0	1.0	
100	64QAM	1	1	16.67	16.96	16.92	18.5	2.5	
100	256QAM	1	1	15.09	15.33	15.25	16.5	4.5	
Channel				649666	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
50	QPSK	1	1	19.48	19.47	19.41	21.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	19.51	19.53	19.45	21.0	0.0	
Channel				649500	650000	650500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	19.56	19.55	19.41	21.0	0.0	
Channel				649666	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3940.98			
60	QPSK	1	1	19.52	19.47	19.43	21.0	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	19.54	19.45	19.42	21.0	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.56	19.54	19.45	21.0	0.0	
Channel				647666	650000	654132	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.98			
30	QPSK	1	1	19.52	19.45	19.48	21.0	0.0	
Channel				647334	650000	654666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	19.50	19.54	19.49	21.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	19.32					
100	PI2 BPSK	1	137	19.23			21.0	0.0	
100	PI2 BPSK	1	271	19.26					
100	PI2 BPSK	135	0	19.17			20.5	0.5	
100	PI2 BPSK	135	69	19.22			21.0	0.0	
100	PI2 BPSK	135	138	19.29			20.5	0.5	
100	PI2 BPSK	270	0	19.22					
100	QPSK	1	1	19.42					
100	QPSK	1	137	19.33			21.0	0.0	
100	QPSK	1	271	19.22					
100	QPSK	135	0	19.33					
100	QPSK	135	69	19.22			21.0	0.0	
100	QPSK	135	138	19.29					
100	QPSK	270	0	18.41			20.0	1.0	
100	16QAM	1	1	18.29			20.0	1.0	
100	64QAM	1	1	18.75			18.5	2.5	
100	256QAM	1	1	15.16			16.5	4.5	
Channel				649988	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)		
50	QPSK	1	1	19.34	19.40	19.12	21.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)		
80	QPSK	1	1	19.32	19.39	19.19	21.0	0.0	
Channel				649500	650000	650500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	(dBm)		
70	QPSK	1	1	19.33	19.32	19.31	21.0	0.0	
Channel				649666	650000	650332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3760.98	(dBm)		
60	QPSK	1	1	19.33	19.33	19.19	21.0	0.0	
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)		
50	QPSK	1	1	19.31	19.31	19.14	21.0	0.0	
Channel				648000	650000	650200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760	(dBm)		
40	QPSK	1	1	19.15	19.41	19.14	21.0	0.0	
Channel				647650	650000	650232	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3764.98	(dBm)		
30	QPSK	1	1	19.14	19.34	19.20	21.0	0.0	
Channel				647334	650000	650266	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3763.98	(dBm)		
20	QPSK	1	1	19.32	19.25	19.29	21.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	19.39	19.41	19.43	21.0	0.0	
100	Pl2 BPSK	1	137	19.49	19.75	19.58			
100	Pl2 BPSK	1	271	19.31	19.64	19.49			
100	Pl2 BPSK	135	0	18.54	18.54	18.57	20.5	0.5	
100	Pl2 BPSK	135	69	19.35	19.60	19.48	21.0	0.0	
100	Pl2 BPSK	135	138	18.56	18.56	18.52	20.5	0.5	
100	Pl2 BPSK	270	0	18.53	18.53	18.57			
100	QPSK	1	1	20.15	20.23	20.07			
100	QPSK	1	137	20.13	20.22	20.05	21.0	0.0	
100	QPSK	1	271	20.03	19.95	19.77			
100	QPSK	135	0	18.76	18.64	18.54			
100	QPSK	135	69	19.75	20.16	19.95	21.0	0.0	
100	QPSK	135	138	18.83	18.82	18.57			
100	QPSK	270	0	18.66	18.50	18.56	20.0	1.0	
100	16QAM	1	1	18.96	18.76	18.65	20.0	1.0	
100	64QAM	1	1	17.41	17.26	17.27	18.5	2.5	
100	256QAM	1	1	15.45	15.36	15.35	16.5	4.5	
Channel									
				649668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)									
				3745.02	3840	3939.98			
90	QPSK	1	1	19.91	20.03	19.91	21.0	0.0	
Channel									
				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)									
				3740.01	3840	3939.99			
80	QPSK	1	1	19.97	20.04	19.96	21.0	0.0	
Channel									
				645000	650000	655000	Tune-up limit	MPR	
Frequency (MHz)									
				3735	3840	3945			
70	QPSK	1	1	19.91	20.09	19.94	21.0	0.0	
Channel									
				649668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)									
				3730.02	3840	3945.98			
60	QPSK	1	1	19.86	19.95	19.82	21.0	0.0	
Channel									
				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)									
				3725.01	3840	3945.99			
50	QPSK	1	1	19.89	20.06	19.90	21.0	0.0	
Channel									
				648000	650000	654000	Tune-up limit	MPR	
Frequency (MHz)									
				3720	3760	3860			
40	QPSK	1	1	19.91	20.08	19.90	21.0	0.0	
Channel									
				647000	650000	654332	Tune-up limit	MPR	
Frequency (MHz)									
				3715.02	3840	3964.98			
30	QPSK	1	1	19.80	20.07	20.00	21.0	0.0	
Channel									
				647334	650000	652666	Tune-up limit	MPR	
Frequency (MHz)									
				3710.01	3840	3965.99			
20	QPSK	1	1	19.92	19.96	19.93	21.0	0.0	

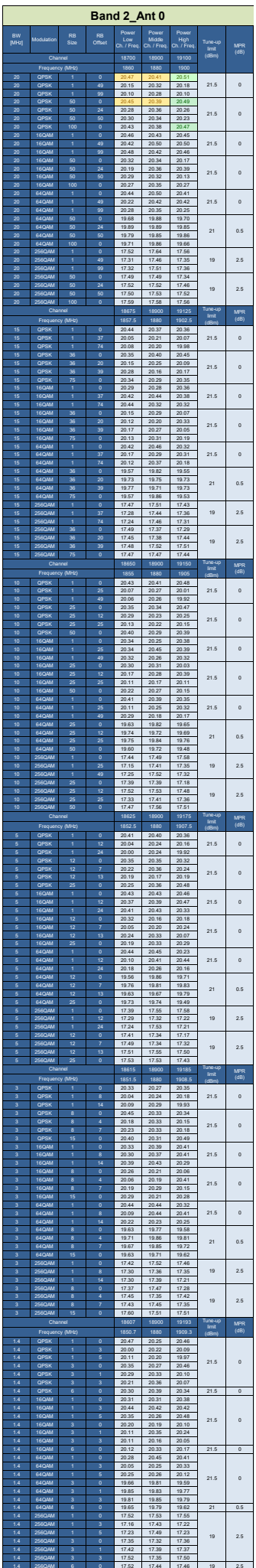
Part270_n78_Ant 7											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	Pl2 BPSK	1	1		19.18		21.0	0.0			
100	Pl2 BPSK	1	137		19.37						
100	Pl2 BPSK	1	271		19.32						
100	Pl2 BPSK	135	0		19.29		20.5	0.5			
100	Pl2 BPSK	135	69		19.26		21.0	0.0			
100	Pl2 BPSK	135	138		19.24		20.5	0.5			
100	Pl2 BPSK	270	0		19.14						
100	QPSK	1	1		20.20						
100	QPSK	1	137		20.18		21.0	0.0			
100	QPSK	1	271		20.11						
100	QPSK	135	0		19.11						
100	QPSK	135	69		20.18		21.0	0.0			
100	QPSK	135	138		19.23						
100	QPSK	270	0		19.79		20.0	1.0			
100	16QAM	1	1		18.52		20.0	1.0			
100	64QAM	1	1		16.97		18.5	2.5			
100	256QAM	1	1		14.97		16.5	4.5			
Channel											
				649668	650000	650332	Tune-up limit	MPR			
Frequency (MHz)											
3745.02 3760 3784.98											
90	QPSK	1	1		19.98	19.99	19.88	21.0	0.0		
Channel											
				649334	650000	650666	Tune-up limit	MPR			
Frequency (MHz)											
3740.01 3750 3759.99											
80	QPSK	1	1		19.98	19.96	20.01	21.0	0.0		
Channel											
				645000	650000	651000	Tune-up limit	MPR			
Frequency (MHz)											
3735 3750 3765											
70	QPSK	1	1		20.11	20.07	20.05	21.0	0.0		
Channel											
				649668	650000	651332	Tune-up limit	MPR			
Frequency (MHz)											
3730.02 3750 3765.98											
60	QPSK	1	1		20.12	20.18	19.99	21.0	0.0		
Channel											
				649334	650000	651666	Tune-up limit	MPR			
Frequency (MHz)											
3725.01 3750 3774.99											
50	QPSK	1	1		19.94	20.17	19.98	21.0	0.0		
Channel											
				648000	650000	652000	Tune-up limit	MPR			
Frequency (MHz)											
3720 3750 3780											
40	QPSK	1	1		19.89	19.96	19.97	21.0	0.0		
Channel											
				647000	650000	652332	Tune-up limit	MPR			
Frequency (MHz)											
3715.02 3750 3784.98											
30	QPSK	1	1		20.16	20.18	20.17	21.0	0.0		
Channel											
				647334	650000	652666	Tune-up limit	MPR			
Frequency (MHz)											
3710.01 3750 3785.99											
20	QPSK	1	1		20.16	20.06	19.96	21.0	0.0		

Reduced Power for DSI 6

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.63	32.31	32.50	33.50	23.63	23.31	23.50	24.50
GPRS 1 Tx slot		32.61	32.29	32.48	33.50	23.61	23.29	23.48	24.50
GPRS 2 Tx slots		30.04	29.55	30.00	31.00	24.04	23.55	24.00	25.00
GPRS 3 Tx slots		28.21	28.15	28.18	29.00	23.95	23.89	23.92	24.74
GPRS 4 Tx slots		26.84	26.62	26.82	27.50	23.84	23.62	23.82	24.50
EDGE 1 Tx slot		26.38	26.23	26.38	27.00	17.38	17.23	17.38	18.00
EDGE 2 Tx slots		25.48	25.23	25.52	26.50	19.48	19.23	19.52	20.50
EDGE 3 Tx slots		23.25	23.18	23.31	24.00	18.99	18.92	19.05	19.74
EDGE 4 Tx slots		21.24	21.25	21.31	22.00	18.24	18.25	18.31	19.00

GSM1900_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		27.92	28.13	28.34	28.50	18.92	19.13	19.34	19.50
GPRS 1 Tx slot		27.90	28.11	28.32	28.50	18.90	19.11	19.32	19.50
GPRS 2 Tx slots		26.08	25.72	26.06	26.50	20.08	19.72	20.06	20.50
GPRS 3 Tx slots		24.00	23.81	23.95	25.00	19.74	19.55	19.69	20.74
GPRS 4 Tx slots		22.38	22.59	22.62	23.00	19.38	19.59	19.62	20.00
EDGE 1 Tx slot		24.93	24.95	24.94	25.50	15.93	15.95	15.94	16.50
EDGE 2 Tx slots		21.73	22.13	22.06	22.50	15.73	16.13	16.06	16.50
EDGE 3 Tx slots		20.42	20.72	20.88	21.50	16.16	16.46	16.62	17.24
EDGE 4 Tx slots		18.68	18.81	18.94	19.50	15.68	15.81	15.94	16.50

Band		WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA IV_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.90	20.94	20.85	21.50	19.93	19.96	19.88	20.50	23.04	23.05	23.03	24.00
3GPP Rel 99	RMC 12.2Kbps	20.92	20.96	20.88	21.50	19.95	19.99	19.90	20.50	23.05	23.06	23.04	24.00
3GPP Rel 6	HSDPA Subtest-1	19.86	19.84	19.91	20.50	18.64	18.98	18.89	19.50	22.07	22.05	22.07	23.00
3GPP Rel 6	HSDPA Subtest-2	19.82	19.97	19.75	20.50	18.69	18.91	18.94	19.50	22.09	22.05	22.10	23.00
3GPP Rel 6	HSDPA Subtest-3	19.40	19.47	19.51	20.00	18.21	18.44	18.33	19.00	21.60	21.59	21.61	22.50
3GPP Rel 6	HSDPA Subtest-4	19.32	19.43	19.45	20.00	18.15	17.97	18.48	19.00	21.61	21.57	21.60	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	19.80	19.77	19.94	20.50	18.65	18.81	18.88	19.50	22.05	21.87	21.93	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	19.70	19.81	19.73	20.50	18.72	18.73	18.89	19.50	21.99	21.91	21.92	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	19.34	19.25	19.44	20.00	18.15	18.33	18.38	19.00	21.49	21.56	21.59	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.29	19.36	19.40	20.00	18.15	17.89	18.37	19.00	21.44	21.44	21.55	22.50
3GPP Rel 6	HSUPA Subtest-1	19.96	19.89	19.84	20.50	18.78	19.04	19.02	19.50	22.10	22.04	22.09	23.00
3GPP Rel 6	HSUPA Subtest-2	17.88	17.88	17.94	18.50	16.65	16.87	16.93	17.50	20.07	20.02	20.09	21.00
3GPP Rel 6	HSUPA Subtest-3	18.84	18.96	18.97	19.50	17.69	17.89	18.05	18.50	21.11	21.06	21.09	22.00
3GPP Rel 6	HSUPA Subtest-4	17.98	18.00	18.02	18.50	16.63	16.97	16.95	17.50	20.07	20.08	20.08	21.00
3GPP Rel 6	HSUPA Subtest-5	19.88	20.00	19.93	20.50	18.65	18.89	18.93	19.50	22.10	22.10	22.00	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.02	17.95	18.03	18.50	16.92	16.90	16.99	17.50	20.43	20.26	20.25	21.00



Band 4_Ant 0												
RF [MHz]	Modulation	RB Size	RB Offset	Power Level [dBm]	Power Ch. 1 [Freq.]	Power Ch. 2 [Freq.]	Power Ch. 3 [Freq.]	Turn-on time (s)	MPE (dB)			
Channel												
Frequency [MHz]				20050	1720	1732.5	1745					
15	QPSK	1	0	19.85	18.03	18.72						
15	QPSK	1	48	19.85	18.03	18.72		21	0			
15	QPSK	1	96	19.85	18.05	18.64						
15	QPSK	50	50	19.85	18.01	18.74						
15	QPSK	50	50	19.85	18.03	18.71						
15	QPSK	50	50	19.70	18.02	18.74		21	0			
15	QPSK	100	0	19.77	18.00	18.77						
15	QPSK	100	0	19.77	18.01	18.74						
15	QPSK	1	48	19.89	18.06	18.91						
15	QPSK	1	96	19.85	18.00	18.59						
15	QPSK	50	24	19.85	18.02	18.72						
15	QPSK	50	24	19.81	18.04	18.70						
15	QPSK	50	50	19.85	18.04	18.62		21	0			
15	QPSK	1	48	19.96	18.00	18.01						
15	QPSK	50	50	19.97	18.00	18.97		21	0			
15	QPSK	50	50	19.97	18.01	18.97						
15	QPSK	50	24	19.90	18.03	18.90						
15	QPSK	50	24	19.90	18.05	18.88						
15	QPSK	50	50	19.79	18.00	18.79		21	0			
15	QPSK	50	50	19.81	18.00	18.81						
15	QPSK	1	0	17.68	17.67	17.72						
15	QPSK	1	48	17.62	17.64	17.77		19	2			
15	QPSK	50	24	17.72	17.66	17.72						
15	QPSK	50	24	17.78	17.70	17.78						
15	QPSK	50	50	17.81	17.70	17.68		19	2			
15	QPSK	100	0	17.49	17.63	17.64						
Channel												
Frequency [MHz]				20075	1737.5	1750	1762.5	Turn-on time (s)	MPE (dB)			
15	QPSK	1	0	19.11	18.23	18.77						
15	QPSK	1	37	19.77	18.00	18.05		21	0			
15	QPSK	1	74	19.71	18.82	18.60						
15	QPSK	1	111	19.87	18.01	18.00						
15	QPSK	50	20	19.87	18.01	18.91						
15	QPSK	50	39	19.66	18.92	18.60						
15	QPSK	50	58	19.68	18.75	18.71						
15	QPSK	1	0	19.04	18.05	18.74						
15	QPSK	1	37	19.77	18.90	18.61		21	0			
15	QPSK	1	74	19.85	18.85	18.64						
15	QPSK	36	0	19.76	18.77	18.90						
15	QPSK	36	20	19.77	18.82	18.74						
15	QPSK	36	40	19.42	18.68	18.47		21	0			
15	QPSK	75	0	19.85	18.85	18.85						
15	QPSK	1	0	19.96	18.82	18.68						
15	QPSK	1	37	19.97	18.08	18.96		21	0			
15	QPSK	1	74	19.99	18.99	18.96						

Band 12_Ant 0										
RF [MHz]	Modulation	RIS Size	RF Offset	Power [dBm]	Power Ch./Freq	Power [dBm]	Power Ch./Freq	Turn-on and (dBm)	APRS (dB)	
Channel				23060	23065	23100				
Frequency [MHz]				704	707.5	711				
10	QPSK	1	0	22.50	22.07	22.4				
10	QPSK	1	26	22.50	22.07	22.4				
10	QPSK	1	48	22.87	22.78	22.76			24	0
10	QPSK	1	25	22.16	22.26	22.11				
10	QPSK	1	21	22.12	22.12	22.12				
10	QPSK	5	26	22.10	22.23	22.16			23	1
10	QPSK	1	20	22.15	22.23	22.33				
10	QPSK	1	26	22.28	22.75	22.38			23	1
10	QPSK	1	48	22.71	22.41	22.37				
10	QPSK	1	25	22.16	22.26	22.11				
10	QPSK	1	21	22.12	22.12	22.12				
10	QPSK	25	12	21.37	21.21	21.15			22	2
10	QPSK	25	25	21.37	21.27	21.33				
10	QPSK	1	25	21.15	21.16	21.16				
10	QPSK	1	0	21.79	21.44	21.49				
10	QPSK	1	25	21.86	21.41	21.55			22	2
10	QPSK	1	25	21.86	21.41	21.55				
10	QPSK	25	0	21.86	21.80	21.80				
10	QPSK	25	0	21.86	21.80	21.80				
10	QPSK	25	14	20.26	20.36	20.34			21	3
10	QPSK	25	14	20.26	20.36	20.34				
10	QPSK	50	0	20.32	20.25	20.33				
10	25QPSK	1	5	17.84	17.77	17.81				
10	25QPSK	1	25	17.84	17.77	17.81				
10	25QPSK	1	48	17.90	17.80	18.02				
10	25QPSK	25	0	17.81	17.84	17.86				
10	25QPSK	25	15	17.58	17.88	17.87			19	5
10	25QPSK	25	17	17.62	17.79	17.79				
10	25QPSK	50	0	17.68	17.65	17.67				
Channel				23065	23065	23095		Turn-on and (dBm)	APRS (dB)	
Frequency [MHz]				707.5	707.5	714.5				
5	QPSK	1	0	22.87	22.92	22.85				
5	QPSK	1	12	22.93	22.86	23.00			24	0
5	QPSK	1	26	22.93	22.86	23.00				
5	QPSK	12	7	22.12	22.13	22.22				
5	QPSK	12	7	22.14	22.21	22.28			23	1
5	QPSK	12	17	22.24	22.21	22.48				
5	QPSK	25	25	22.15	22.22	22.48				
5	QPSK	25	25	22.15	22.22	22.48				
5	QPSK	1	0	22.65	22.34	22.43			23	1
5	QPSK	1	24	22.65	22.68	22.43				
5	QPSK	1	24	22.65	22.68	22.43				
5	QPSK	12	0	21.09	21.32	21.21				
5	QPSK	12	7	21.48	21.23	21.19			22	2
5	QPSK	12	17	21.41	21.43	21.43				
5	QPSK	25	0	21.10	21.55	21.36				
5	QPSK	1	0	21.70	21.45	21.53				
5	QPSK	1	24	21.41	21.48	21.42			22	2
5	QPSK	1	24	21.41	21.48	21.56				
5	QPSK	12	0	20.15	20.25	20.28				
5	QPSK	12	13	20.22	20.40	20.07			21	3
5	QPSK	25	0	20.42	20.27	20.26				
5	QPSK	25	17	19.88	20.17	19.88				
5	25QPSK	1	12	18.09	17.84	17.65			19	5
5	25QPSK	1	24	18.06	17.95	18.03				
5	25QPSK	1	24	18.06	17.95	18.03				
5	25QPSK	12	7	17.83	17.48	17.87			19	5
5	25QPSK	12	17	17.77	17.76	17.69				
5	25QPSK	25	0	17.73	17.71	17.72				
Channel				23065	23065	23095		Turn-on and (dBm)	APRS (dB)	
Frequency [MHz]				707.5	707.5	714.5				
3	QPSK	1	0	22.89	22.92	22.85				
3	QPSK	1	12	22.92	22.87	23.00			24	0
3	QPSK	1	26	22.92	22.87	23.00				
3	QPSK	1	14	22.84	22.79	22.73				
3	QPSK	8	9	22.11	22.07	22.27				
3	QPSK	8	9	22.11	22.07	22.27				
3	QPSK	8	7	22.23	22.18	22.36				
3	QPSK	8	7	22.23	22.16	22.32				
3	QPSK	15	0	22.31	22.11	22.30				
3	QPSK	15	0	22.31	22.11	22.30				
3	QPSK	1	8	22.28	22.28	22.28			23	1
3	QPSK	1	14	22.58	22.28	22.26				
3	QPSK	1	14	22.58	22.28	22.26				
3	QPSK	8	4	21.26	21.10	21.20				
3	QPSK	8	4	21.26	21.13	21.13				
3	QPSK	8	4	21.26	21.13	21.13			22	2
3	QPSK	8	7	21.33	21.18	21.29				
3	QPSK	1	0	21.17	21.13	21.13				
3	QPSK	1	0	21.83	21.33	21.53				
3	QPSK	1	8	21.73	21.45	21.61			22	2
3	QPSK	1	8	21.73	21.45	21.61				
3	QPSK	8	0	20.15	20.32	20.28				
3	QPSK	8	4	20.18	20.31	20.41			21	3
3	QPSK	8	4	20.18	20.31	20.41				
3	QPSK	15	0	20.19	20.18	20.35				
3	25QPSK	1	0	17.82	17.82	17.82				
3	25QPSK	1	8	17.84	17.84	17.75			19	5
3	25QPSK	1	14	18.03	17.70	17.99				
3	25QPSK	8	5	17.47	17.55	17.87				
3	25QPSK	8	5	17.47	17.55	17.87				
3	25QPSK	8	7	17.70	17.63	17.78			19	5
3	25QPSK	8	7	17.70	17.63	17.78				
3	25QPSK	15	0	17.87	17.81	17.84				
Channel				23071	23075	23173		Turn-on and (dBm)	APRS (dB)	
Frequency [MHz]				708.5	710.5	715.3				
1.4	QPSK	1	0	22.93	22.92	22.94				
1.4	QPSK	1	3	22.91	22.98	22.85				
1.4	QPSK	1	21	22.81	22.70	22.58			24	0
1.4	QPSK	1	3	22.18	22.12	22.18				
1.4	QPSK	1	3	22.35	22.09	22.24				
1.4	QPSK	6	0	22.27	22.33	22.33				
1.4	QPSK	6	0	22.11	22.09	22.28			23	1
1.4	QPSK	1	5	22.89	22.33	22.28				
1.4	QPSK	1	5	22.89	22.33	22.28				
1.4	QPSK	1	28	22.67	22.68	22.22			23	1
1.4	QPSK	3	0	21.14	21.32	21.24				
1.4	QPSK	3	1	21.41	21.14	21.19				
1.4	QPSK	3	1	21.30	21.29	21.19				
1.4	QPSK	6	5	21.15	21.11	21.58			22	2
1.4	QPSK	1	0	21.68	21.50	21.43				
1.4	QPSK	1	5	21.41	21.38	21.58				
1.4	QPSK	3	0	20.28	20.13	20.11			22	2
1.4	QPSK	3	0	20.28	20.13	20.11				
1.4	QPSK	3	3	20.43	20.26	20.20				
1.4	QPSK	6	0	20.38	20.25	20.43			21	3
1.4	QPSK	6	0	20.38	20.25	20.43				
1.4	25QPSK	1	3	18.07	17.75	17.95				
1.4	25QPSK	1	5	17.71	17.86	17.90				
1.4	25QPSK	1	5	17.71	17.86	17.90				
1.4	25QPSK	3	3	17.62	17.76	17.96				
1.4	25QPSK	3	3	17.83	17.64	17.84			19	5

Band 17_Ant 0											
BW (MHz)	Modulation	RB Box	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tuneup (mHz)	MFR (dB)			
Channel											
Frequency (MHz)				23760	23790	23800					
Frequency (MHz)				706.5	710	711					
10	QPSK	1	0	22.55	22.63	22.64	24	0			
10	QPSK	1	25	22.61	22.62	22.67					
10	QPSK	1	40	22.65	22.60	22.58					
10	QPSK	25	0	22.16	22.07	22.24					
10	QPSK	25	12	22.12	22.12	22.20	23	1			
10	QPSK	25	25	22.16	22.24	22.12					
10	QPSK	50	0	22.17	22.23	22.20					
10	QPSK	50	12	22.17	22.23	22.20					
10	HQDM	1	0	22.35	22.36	22.70	23	1			
10	HQDM	1	25	22.43	22.35	22.53					
10	HQDM	1	40	22.43	22.28	22.70					
10	HQDM	25	0	21.35	21.42	21.37					
10	HQDM	25	12	21.35	21.22	21.28	22	2			
10	HQDM	25	25	21.10	21.24	21.14					
10	HQDM	50	0	21.28	21.20	21.23					
10	HQDM	1	0	21.52	21.38	21.36					
10	HQDM	1	25	21.74	21.54	21.33	22	2			
10	HQDM	1	40	21.47	21.51	21.40					
10	HQDM	25	0	20.27	20.22	20.38					
10	HQDM	25	12	20.44	20.28	20.35					
10	HQDM	25	25	20.35	20.18	20.27	21	3			
10	HQDM	50	0	20.38	20.32	20.28					
10	SSBDM	1	0	17.69	17.71	17.80					
10	SSBDM	1	25	17.88	17.77	17.85					
10	SSBDM	1	40	17.88	17.70	17.79	19	5			
10	SSBDM	25	0	17.70	17.71	17.86					
10	SSBDM	25	12	17.88	17.67	17.94					
10	SSBDM	25	25	17.73	17.65	17.74					
10	SSBDM	50	0	17.68	17.65	17.74	19	5			
Channel											
Frequency (MHz)				23760 <th>23790<th>23800<th colspan="3"></th></th></th>	23790 <th>23800<th colspan="3"></th></th>	23800 <th colspan="3"></th>					
Frequency (MHz)				706.5 <th>710<th>713.5<th colspan="3"></th></th></th>	710 <th>713.5<th colspan="3"></th></th>	713.5 <th colspan="3"></th>					
5	QPSK	1	0	22.67	22.66	22.00	24	0			
5	QPSK	1	12	22.68	22.77	22.80					
5	QPSK	1	24	22.84	22.69	22.01					
5	QPSK	12	0	22.28	22.28	22.18					
5	QPSK	12	7	22.30	22.07	22.11	23	1			
5	QPSK	12	13	22.39	22.20	22.27					
5	QPSK	25	0	22.39	22.09	22.29					
5	HQDM	1	0	22.47	22.46	22.56					
5	HQDM	1	12	22.45	22.42	22.43	23	1			
5	HQDM	1	24	22.47	22.22	22.52					
5	HQDM	12	0	21.37	21.14	21.44					
5	HQDM	12	7	21.38	21.08	21.25					
5	HQDM	12	13	21.27	21.09	21.06	22	2			
5	HQDM	25	0	21.13	21.10	21.19					
5	HQDM	1	0	21.38	21.28	21.35					
5	HQDM	1	12	21.74	21.67	21.30					
5	HQDM	1	24	21.50	21.40	21.42	22	2			
5	HQDM	25	0	20.35	20.20	20.44					
5	HQDM	12	7	20.35	20.25	20.44					
5	HQDM	12	13	20.14	20.15	20.22					
5	HQDM	25	0	20.35	20.32	20.33	21	3			
5	SSBDM	1	0	17.79	17.65	17.68					
5	SSBDM	1	12	17.83	17.63	17.80					
5	SSBDM	1	24	17.77	17.78	17.87					
5	SSBDM	12	0	17.69	17.62	17.72	19	5			
5	SSBDM	12	7	17.84	17.59	17.88					
5	SSBDM	12	13	17.57	17.53	17.71					
5	SSBDM	25	0	17.57	17.62	17.72					

Band 26_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tuneup (mHz)	MFR (dB)				
Channel												
Frequency (MHz)				26765	26865	26915						
15	QPSK	1	0	22.63	22.72	22.70	24	0				
15	QPSK	1	74	22.62	22.71	22.71						
15	QPSK	36	20	21.79	21.87	21.82						
15	QPSK	36	36	21.78	21.83	21.83						
15	QPSK	75	0	21.78	21.67	21.86	23					
15	QPSK	36	0	21.78	21.87	21.86						
15	HQDM	1	37	22.24	21.95	21.96						
15	HQDM	1	74	22.23	22.21	21.91						
15	HQDM	36	0	20.78	20.87	20.88	23	1				
15	HQDM	36	20	20.93	20.94	20.91						
15	HQDM	36	36	20.95	20.99	20.90						
15	HQDM	75	0	20.84	20.90	21.01						
15	HQDM	1	0	20.89	20.93	20.95	22	2				
15	HQDM	1	37	21.02	20.98	20.97						
15	HQDM	1	74	21.05	21.00	20.95						
15	HQDM	36	0	19.83	19.86	20.03						
15	HQDM	36	20	19.85	19.87	19.95	21	3				
15	HQDM	36	36	20.05	20.01	19.99						
15	SSBDM	1	0	17.71	17.68	17.72						
15	SSBDM	1	37	17.83	17.67	17.69						
15	SSBDM	1	74	17.78	17.78	17.78	19	5				
15	SSBDM	36	0	17.54	17.60	17.65						
15	SSBDM	36	20	17.62	17.65	17.72						
15	SSBDM	36	36	17.61	17.66	17.67						
15	SSBDM	75	0	17.60	17.55	17.67						
Channel				26765	26865	27015	Tuneup (mHz)		MFR (dB)			
Frequency (MHz)				819	815.5	814						
10	QPSK	1	0	22.56	22.63	22.65	24	0				
10	QPSK	1	24	22.52	22.77	22.84						
10	QPSK	1	40	22.54	22.68	22.67						
10	QPSK	25	0	21.63	21.69	21.75						
10	QPSK	25	12	21.78	22.01	21.82	23	1				
10	QPSK	25	25	21.98	21.84	21.85						
10	QPSK	50	0	21.79	21.92	21.96						
10	HQDM	1	0	21.98	22.00	21.86						
10	HQDM	1	25	22.24	21.81	22.05	23	1				
10	HQDM	1	40	22.22	22.09	21.89						
10	HQDM	25	0	20.81	20.73	20.87						
10	HQDM	25	12	20.97	21.03	20.94						
10	HQDM	25	25	20.89	20.86	20.86	22	2				
10	HQDM	50	0	20.74	20.90	21.09						
10	HQDM	1	0	20.74	20.98	20.95						
10	HQDM	1	25	21.08	21.04	21.03						
10	HQDM	1	40	21.03	21.07	20.99	22	2				
10	HQDM	25	0	19.73	19.74	19.91						
10	HQDM	25	12	19.87	20.07	20.02						
10	HQDM	25	25	19.93	19.96	19.93						
10	HQDM	50	0	19.85	19.84	19.91	21	3				
10	SSBDM	1	0	17.73	17.67	17.76						
10	SSBDM	1	25	17.85	17.69	17.72						
10	SSBDM	1	40	17.78	17.63	17.65						
10	SSBDM	25	0	17.40	17.70	17.64	19	5				
10	SSBDM	25	12	17.51	17.53	17.62						
10	SSBDM	25	25	17.58	17.58	17.65						
10	SSBDM	50	0	17.47	17.42	17.67						
Channel				26715	26865	27015	Tuneup (mHz)		MFR (dB)			
Frequency (MHz)				811.5	811.5	811.5						
5	QPSK	1	0	22.43	22.65	22.76	24	0				
5	QPSK	1	12	22.49	22.72	22.78						
5	QPSK	1	24	22.47	22.69	22.70						
5	QPSK	1	36	22.42	22.68	22.69						
5	QPSK	12	7	21.90	21.92	21.93	23	1				
5	QPSK	12	13	21.77	21.83	21.83						
5	QPSK	12	19	21.67	21.73	21.73						
5	HQDM	1	0	22.00	22.27	22.03	23	1				
5	HQDM	1	12	22.27	21.83	21.88						
5	HQDM	1	24	22.28	22.04	21.91						
5	HQDM	12	0	20.82	20.94	20.91						
5	HQDM	12	7	20.80	20.81	20.93	22	2				
5	HQDM	12	13	20.87	20.87	20.95						
5	HQDM	12	19	20.69	20.91	20.91						
5	HQDM	1	0	20.96	20.94	20.96						
5	HQDM	1	12	20.93	20.93	20.93	22	2				
5	HQDM	1	24	20.95	20.95	20.95						
5	HQDM	12	0	19.81	19.88	20.06						
5	HQDM	12	13	19.83	19.83	19.91						
5	HQDM	12	19	20.15	20.03	20.07	21	3				
5	SSBDM	1	0	19.99	19.91	19.84						
5	SSBDM	1	12	19.98	19.98	19.98						
5	SSBDM	1	24	19.97	19.97	19.97						
5	SSBDM	12	7	17.70	17.63	17.63	19	5				
5	SSBDM	1	14	17.66	17.73	17.66						
5	SSBDM	1	24	17.52	17.62	17.55						
5	SSBDM	12	12	17.57	17.57	17.54						
5	SSBDM	12	13	17.57	17.57	17.54	19	5				
5	SSBDM	12	19	17.67	17.56	17.68						
5	SSBDM	12	24	17.44	17.49	17.51						
Channel				26705	26865	27035				Tuneup (mHz)		MFR (dB)
Frequency (MHz)				811.5	811.5	817.5						
3	QPSK	1	0	22.62	22.62	22.73	24	0				
3	QPSK	1	14	22.62	22.68	22.68						
3	QPSK	1	8	21.99	21.83	21.88						
3	QPSK	8	0	21.93	21.88	21.78						
3	HQDM	1	0	21.75	21.79	21.88	23	1				
3	HQDM	1	14	21.75	21.79	21.88						
3	HQDM	1	8	22.12	21.96	21.91						
3	HQDM	1	14	22.22	22.18	21.78						
3	HQDM	8	0	21.74	21.84	21.81	23	1				
3	HQDM	8	8	20.83	20.86	20.75						
3	HQDM	8	7	20.94	20.87	20.88						
3	HQDM	1	0	20.78	20.78	20.78						
3	HQDM	1	0	20.99	20.94	21.02	22	2				
3	HQDM	1	8	20.97	21.00	21.01						
3	HQDM	1	14	20.99	20.98	20.98						
3	HQDM	8	0	19.82	19.90	19.91						
3	HQDM	8	4	19.83	19.84	19.84	21	3				
3	HQDM	8	8	19.85	19.85	19.85						
3	HQDM	15	0	19.80	19.91	19.98						
3	SSBDM	1	0	17.81	17.81	17.78						
3	SSBDM	1	8	17.78	17.81	17.81	19	5				
3	SSBDM	8	0	17.59	17.63	17.69						
3	SSBDM	8	4	17.72	17.69	17.72						
3	SSBDM	8	8	17.62	17.68	17.70						
3	SSBDM	15	0	17.60	17.56	17.57	19	5				
Channel				26697	26865	27035				Tuneup (mHz)		MFR (dB)
Frequency (MHz)				817.5	817.5	817.5						
1.4	QPSK	1	0	22.54	22.72	22.58				24	0	
1.4	QPSK	1	3	22.64	22.73	22.81						
1.4	QPSK	1	6	22.63	22.63	22.68						
1.4	QPSK	3	0	22.63	22.67	22.65						
1.4	QPSK	3	3	22.62	22.69	22.84	23	1				
1.4	QPSK	3	6	22.62	22.68	22.68						
1.4	QPSK	6	0	21.87	21.74	21.58						
1.4	HQDM	1	0	21.92	22.25	21.91						
1.4	HQDM	1	3	22.24	22.15	21.88	23	1				
1.4	HQDM	1	6	21.43	21.53	21.60						
1.4	HQDM	3	0	21.87	21.87	21.87						
1.4	HQDM	3	3	21.42	21.68	21.65						
1.4	HQDM	6	0	20.72	20.77	20.90	22	2				
1.4	HQDM	6	3	20.76	21.02	20.82						
1.4	HQDM	1	0	20.99	21.08	20.78						
1.4	HQDM	1	3	20.81	20.81	20.91						
1.4	HQDM	3	0	20.60	20.81	20.97	22	2				
1.4	HQDM	3	3	20.85	20.87	20.96						
1.4	HQDM	6	0	19.84	19.93	19.97						
1.4	HQDM	6	3	17.82	17.82	17.87						
1.4	SSBDM	1	0	17.88	17.78	17.78	19	5				
1.4	SSBDM	1	3	17.88	17.69	17.69						
1.4	SSBDM	3	0	17.42	17.45	17.48						
1.4	SSBDM	3	3	17.50	17.48	17.50						
1.4	SSBDM	6	0	17.50	17.48	17.50	19	5				
1.4	SSBDM	6	3	17.50	17.48	17.50						
1.4	SSBDM	6	6	17.50	17.48	17.50						
1.4	SSBDM	6	9	17.50	17.48	17.50						

Band 38_Ant 1									
BW [MHz]	Modulatio n	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	19.10	19.19	19.02	20	0	
20	QPSK	1	49	18.74	18.83	18.88			
20	QPSK	1	99	18.75	18.82	18.84	20	0	
20	QPSK	50	0	19.08	19.12	19.04			
20	QPSK	50	24	18.82	18.70	18.83	20	0	
20	QPSK	50	50	18.85	18.72	18.80			
20	QPSK	100	0	18.72	18.75	18.74	20	0	
20	16QAM	1	0	19.10	19.09	19.04			
20	16QAM	1	49	18.69	18.74	18.85	20	0	
20	16QAM	1	99	18.69	18.52	18.49			
20	16QAM	50	0	18.96	18.86	18.91	20	0	
20	16QAM	50	24	18.66	18.67	18.69			
20	16QAM	50	50	18.74	18.70	18.48	20	0	
20	16QAM	100	0	18.74	18.79	18.61			
20	64QAM	1	0	19.08	19.08	18.91	20	0	
20	64QAM	1	49	18.67	18.73	18.76			
20	64QAM	1	99	18.72	18.61	18.54	20	0	
20	64QAM	50	0	18.62	18.89	19.00			
20	64QAM	50	24	18.68	18.55	18.83	20	0	
20	64QAM	50	50	18.79	18.55	18.46			
20	64QAM	100	0	18.75	18.63	18.71	19	1	
20	256QAM	1	0	17.79	17.81	18.06			
20	256QAM	1	49	17.74	17.87	17.84	19	1	
20	256QAM	1	99	17.71	17.88	17.85			
20	256QAM	50	0	17.79	17.93	18.06	19	1	
20	256QAM	50	24	17.94	18.05	17.89			
20	256QAM	50	50	17.91	17.84	17.74	19	1	
20	256QAM	100	0	17.84	18.02	17.94			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	18.98	19.09	18.94	20	0	
15	QPSK	1	37	18.59	18.84	18.84			
15	QPSK	1	74	18.36	18.57	18.59	20	0	
15	QPSK	36	0	18.91	19.11	18.90			
15	QPSK	36	20	18.69	18.58	18.67	20	0	
15	QPSK	36	39	18.70	18.72	18.62			
15	QPSK	75	0	18.96	18.77	18.69	20	0	
15	16QAM	1	0	18.92	18.91	18.98			
15	16QAM	1	37	18.55	18.65	18.78	20	0	
15	16QAM	1	74	18.65	18.41	18.41			
15	16QAM	36	0	18.80	18.76	18.73	20	0	
15	16QAM	36	20	18.49	18.51	18.57			
15	16QAM	36	39	18.67	18.61	18.34	20	0	
15	16QAM	75	0	18.71	18.79	18.48			
15	64QAM	1	0	18.98	18.97	18.86	20	0	
15	64QAM	1	37	18.56	18.55	18.66			
15	64QAM	1	74	18.57	18.60	18.54	20	0	
15	64QAM	36	0	18.92	18.96	18.90			
15	64QAM	36	20	18.65	18.39	18.66	20	0	
15	64QAM	36	39	18.69	18.38	18.29			
15	64QAM	75	0	18.67	18.49	18.68	19	1	
15	256QAM	1	0	17.74	17.65	18.06			
15	256QAM	1	37	17.74	17.79	17.73	19	1	
15	256QAM	1	74	17.83	17.89	17.84			
15	256QAM	36	0	17.69	17.85	18.05	19	1	
15	256QAM	36	20	17.81	17.87	17.88			
15	256QAM	36	39	17.78	17.58	17.62	19	1	
15	256QAM	75	0	17.68	17.96	17.90			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	18.95	19.10	18.87	20	0	
10	QPSK	1	25	18.69	18.83	18.77			
10	QPSK	1	49	18.60	18.56	18.66	20	0	
10	QPSK	25	0	18.96	19.07	18.93			
10	QPSK	25	12	18.66	18.54	18.81	20	0	
10	QPSK	25	25	18.80	18.72	18.53			
10	QPSK	50	0	18.64	18.57	18.76	20	0	
10	16QAM	1	0	19.05	19.06	18.93			
10	16QAM	1	25	18.57	18.76	18.87	20	0	
10	16QAM	1	49	18.56	18.36	18.36			
10	16QAM	25	0	18.87	18.73	18.76	20	0	
10	16QAM	25	12	18.66	18.55	18.59			
10	16QAM	25	25	18.69	18.66	18.50	20	0	
10	16QAM	50	0	18.68	18.72	18.52			
10	64QAM	1	0	18.91	19.01	18.87	20	0	
10	64QAM	1	25	18.63	18.56	18.64			
10	64QAM	1	49	18.67	18.48	18.43	20	0	
10	64QAM	25	0	18.93	18.86	18.92			
10	64QAM	25	12	18.59	18.50	18.85	20	0	
10	64QAM	25	25	18.80	18.38	18.48			
10	64QAM	50	0	18.75	18.52	18.54	19	1	
10	256QAM	1	0	17.69	17.82	17.90			
10	256QAM	1	25	17.56	17.73	17.78	19	1	
10	256QAM	1	49	17.53	17.85	17.72			
10	256QAM	25	0	17.62	17.78	17.86	19	1	
10	256QAM	25	12	17.86	18.03	17.80			
10	256QAM	25	25	17.75	17.48	17.59	19	1	
10	256QAM	50	0	17.69	17.96	17.78			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	18.96	19.11	18.94	20	0	
5	QPSK	1	12	18.71	18.77	18.72			
5	QPSK	1	24	18.76	18.64	18.46	20	0	
5	QPSK	12	0	18.98	19.00	19.04			
5	QPSK	12	7	18.78	18.66	18.73	20	0	
5	QPSK	12	13	18.72	18.54	18.56			
5	QPSK	25	0	18.58	18.57	18.75	20	0	
5	16QAM	1	0	19.09	18.97	19.02			
5	16QAM	1	12	18.52	18.64	18.82	20	0	
5	16QAM	1	24	18.58	18.48	18.41			
5	16QAM	12	0	18.96	18.72	18.84	20	0	
5	16QAM	12	7	18.68	18.51	18.65			
5	16QAM	12	13	18.65	18.57	18.40	20	0	
5	16QAM	25	0	18.76	18.69	18.57			
5	64QAM	1	0	18.99	18.92	18.89	20	0	
5	64QAM	1	12	18.54	18.56	18.58			
5	64QAM	1	24	18.72	18.62	18.39	20	0	
5	64QAM	12	0	18.84	18.80	18.98			
5	64QAM	12	7	18.67	18.42	18.72	20	0	
5	64QAM	12	13	18.76	18.44	18.37			
5	64QAM	25	0	18.64	18.60	18.66	19	1	
5	256QAM	1	0	17.67	17.78	17.97			
5	256QAM	1	12	17.69	17.74	17.83	19	1	
5	256QAM	1	24	17.57	17.84	17.83			
5	256QAM	12	0	17.79	17.83	17.92	19	1	
5	256QAM	12	7	17.76	18.06	17.84			
5	256QAM	12	13	17.87	17.59	17.65	19	1	
5	256QAM	25	0	17.79	17.90	17.82			

Band 41_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel										
				39750	40185	40620	41055	41490		
Frequency (MHz)										
20	QPSK	1	0	19.15	19.17	19.23	19.23	19.26	20	0
20	QPSK	1	49	18.86	18.97	18.91	18.97	19.04		
20	QPSK	1	99	18.96	19.10	19.18	19.17	19.14		
20	QPSK	50	0	19.13	19.14	19.21	19.25	19.24		
20	QPSK	50	24	19.07	19.06	19.99	19.07	19.21	20	0
20	QPSK	50	50	19.08	19.10	19.13	19.18	19.19		
20	QPSK	100	0	19.08	19.13	19.14	19.05	19.21		
20	16QAM	1	0	18.95	18.78	18.79	19.02	18.98		
20	16QAM	1	49	18.65	18.75	18.75	18.88	18.84	20	0
20	16QAM	1	99	18.96	18.73	18.85	18.86	19.05		
20	16QAM	50	0	19.11	19.08	19.14	19.18	19.21		
20	16QAM	50	24	19.05	19.22	19.05	19.22	19.23		
20	16QAM	50	50	19.03	19.20	19.16	19.21	19.20	20	0
20	16QAM	100	0	19.19	19.02	19.02	19.05	19.15		
20	64QAM	1	0	18.73	18.50	18.72	18.72	18.69		
20	64QAM	1	49	18.59	18.44	18.40	18.49	18.58		
20	64QAM	1	99	18.43	18.50	19.01	19.52	18.37	20	0
20	64QAM	50	0	19.04	19.11	19.25	19.13	19.23		
20	64QAM	50	24	19.21	19.22	19.11	19.12	19.25		
20	64QAM	50	50	19.15	19.19	19.08	19.14	19.18		
20	64QAM	100	0	18.98	19.06	19.16	19.14	19.13	19	1
20	256QAM	1	0	17.72	17.74	17.80	17.89	17.88		
20	256QAM	1	49	17.53	17.53	17.68	17.81	17.80		
20	256QAM	1	99	17.84	17.74	17.72	17.59	17.78		
20	256QAM	50	0	18.73	18.87	17.92	17.75	17.92	19	1
20	256QAM	50	24	17.96	17.85	17.77	17.95	17.97		
20	256QAM	50	50	17.78	17.80	17.93	17.94	17.93		
20	256QAM	100	0	17.63	17.60	17.83	17.78	17.79		
Channel										
				39725	40173	40620	41088	41515	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)										
				2903.5	2948.3	2991	2937.8	2982.5		
15	QPSK	1	0	19.13	19.14	19.22	19.14	19.18	20	0
15	QPSK	1	37	18.92	19.07	19.15	19.05	19.02		
15	QPSK	1	74	18.91	19.11	19.09	19.14	18.99		
15	QPSK	36	0	19.02	19.14	19.14	19.18	19.23		
15	QPSK	36	20	18.91	18.89	18.89	19.08	19.09	20	0
15	QPSK	36	39	19.04	19.03	18.98	19.13	19.03		
15	QPSK	75	0	18.86	19.15	19.04	19.07	19.15		
15	16QAM	1	0	18.82	18.60	18.76	19.02	18.96		
15	16QAM	1	37	18.96	18.97	18.85	18.96	19.10	20	0
15	16QAM	1	74	18.82	18.57	18.76	18.86	18.85		
15	16QAM	36	0	19.08	19.10	18.96	19.14	19.19		
15	16QAM	36	20	18.91	19.04	19.06	19.15	19.22		
15	16QAM	36	39	18.91	18.14	19.17	19.06	19.04	20	0
15	16QAM	75	0	19.19	19.03	18.87	18.87	19.03		
15	64QAM	1	0	18.69	18.40	18.55	18.80	18.65		
15	64QAM	1	37	18.56	18.31	18.24	18.31	18.43		
15	64QAM	1	74	18.31	18.42	18.38	18.20	18.50	20	0
15	64QAM	36	0	18.99	19.05	19.10	19.10	19.19		
15	64QAM	36	20	19.20	19.06	19.02	19.06	19.23		
15	64QAM	36	39	19.14	19.18	19.06	19.16	19.15		
15	64QAM	75	0	18.91	19.06	19.16	18.96	19.07	19	1
15	256QAM	1	0	17.64	17.67	17.85	17.85	17.88		
15	256QAM	1	37	17.50	17.37	17.54	17.51	17.71		
15	256QAM	1	74	17.60	17.66	17.69	17.53	17.71		
15	256QAM	36	0	17.83	17.83	17.94	17.67	17.79	19	1
15	256QAM	36	20	17.98	17.67	17.69	17.91	17.83		
15	256QAM	36	39	17.66	17.66	17.84	17.81	17.85		
15	256QAM	75	0	17.53	17.61	17.66	17.70	17.72		
Channel										
				39700	40160	40620	41080	41540	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)										
				24.14	25.05	25.93	26.83	27.65		
10	QPSK	1	0	19.14	19.05	19.24	19.19	19.21	20	0
10	QPSK	1	25	18.71	18.95	18.74	18.92	18.86		
10	QPSK	1	49	18.98	19.04	19.01	19.02	18.96		
10	QPSK	25	0	19.00	19.12	19.21	19.22	19.10		
10	QPSK	25	12	18.91	19.08	19.08	18.97	19.03	20	0
10	QPSK	25	25	18.94	19.03	18.96	19.19	19.19		
10	QPSK	50	0	18.91	18.96	19.06	19.03	17.85		
10	16QAM	1	0	18.93	18.69	18.77	18.96	18.91		
10	16QAM	1	25	18.52	18.74	18.57	18.78	18.67	20	0
10	16QAM	1	49	18.97	18.73	18.90	18.85	18.82		
10	16QAM	25	0	18.97	19.25	19.02	19.02	19.14		
10	16QAM	25	12	18.80	19.06	18.92	19.05	19.18		
10	16QAM	25	25	18.97	19.21	19.04	19.23	19.18	20	0
10	16QAM	50	0	19.18	18.97	19.92	18.95	17.84		
10	64QAM	1	0	19.58	18.47	18.70	18.68	18.59		
10	64QAM	1	25	18.47	18.36	18.23	18.37	18.46		
10	64QAM	1	49	18.31	18.35	18.43	18.29	18.48	20	0
10	64QAM	25	0	18.96	18.96	19.10	18.96	19.12		
10	64QAM	25	12	19.17	19.17	18.93	18.95	19.17		
10	64QAM	25	25	18.97	19.07	19.00	19.10	19.13		
10	64QAM	50	0	19.08	19.08	19.12	19.13	19.09	20	0
10	256QAM	1	0	17.69	17.63	17.74	17.75	17.77		
10	256QAM	1	25	17.52	17.52	17.54	17.47	17.59		
10	256QAM	1	49	17.47	17.75	17.56	17.60	17.69		
10	256QAM	25	0	17.66	17.88	17.75	17.77	17.85	19	1
10	256QAM	25	12	17.82	17.76	17.66	17.88	17.91		
10	256QAM	25	25	17.73	17.73	17.92	17.89	17.91		
10	256QAM	50	0	17.55	17.42	17.78	17.72	17.84		
Channel										
				39673	40148	40620	41093	41565	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)										
				2489.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.14	19.00	19.22	19.22	19.25	20	0
5	QPSK	1	12	18.81	18.86	18.78	18.96	18.86		
5	QPSK	1	24	18.94	19.09	19.20	19.01	19.07		
5	QPSK	12	0	19.08	19.15	19.18	19.17	19.08		
5	QPSK	12	7	19.01	19.01	18.95	19.06	19.15	20	0
5	QPSK	12	13	18.93	19.04	18.95	19.05	19.10		
5	16QAM	1	0	18.77	18.70	18.81	18.88	18.82		
5	16QAM	1	12	18.59	18.60	18.76	18.81	18.82		
5	16QAM	1	24	18.97	18.64	18.93	17.73	18.82	20	0
5	16QAM	12	0	19.11	19.20	18.97	19.09	19.23		
5	16QAM	12	7	18.94	19.13	19.07	18.98	19.13		
5	16QAM	12	13	18.98	19.08	19.12	19.07	19.13		
5	16QAM	25	0	19.06	19.99	19.01	18.96	18.98	20	0
5	64QAM	1	0	18.55	18.46	18.69	18.58	18.62		
5	64QAM	1	12	18.53	18.39	18.39	18.33	18.53		
5	64QAM	1	24	18.38	18.37	18.53	18.25	18.51		
5	64QAM	12	0	18.92	19.11	19.15	19.02	19.06	19	1
5	64QAM	12	7	19.07	17.99	18.62	17.92	18.10		
5	64QAM	12	13	19.12	19.12	18.99	19.01	19.16		
5	64QAM	25	0	18.87	19.03	19.18	19.00	19.02		
5	256QAM	1	0	17.59	17.68	17.65	17.91	17.85	19	1
5	256QAM	1	12	17.36	17.44	17.56	17.56	17.63		
5	256QAM	1	24	17.61	17.81	17.68	17.50	17.69		
5	256QAM	12	0	17.73	17.71	17.88	17.68	17.82		
5	256QAM	12	7	17.83	17.79	17.62	17.79	17.94	19	1
5	256QAM	12	13	18.70	17.85	17.85	17.95	17.79		
5	256QAM	25	0	17.54	17.52	17.82	17.83	17.80		

Band 41 (HPUE)_Ant 1													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)			
Channel				35750	40185	40620	41055	41490					
Frequency (MHz)				2506	2549.5	2593	2636.5	2680					
20	QPSK	1	0	20.63	20.78	20.73	20.78	20.82	21.5	0			
20	QPSK	1	49	20.60	20.60	20.54	20.56	20.72					
20	QPSK	1	99	20.55	20.54	20.42	20.48	20.62					
20	QPSK	50	0	20.54	20.58	20.57	20.57	20.71					
20	QPSK	50	24	20.59	20.45	20.61	20.54	20.64	21.5	0			
20	QPSK	50	50	20.43	20.46	20.43	20.44	20.62					
20	QPSK	100	0	20.59	20.56	20.57	20.45	20.61					
20	16QAM	1	0	20.61	20.65	20.51	20.47	20.66					
20	16QAM	1	49	20.71	20.72	20.55	20.52	20.71	21.5	0			
20	16QAM	1	99	20.46	20.52	20.43	20.42	20.45					
20	16QAM	50	0	20.58	20.60	20.48	20.55	20.60					
20	16QAM	50	24	20.49	20.66	20.45	20.51	20.64					
20	16QAM	50	50	20.39	20.45	20.32	20.35	20.47	21.5	0			
20	16QAM	100	0	20.43	20.54	20.40	20.39	20.57					
20	64QAM	1	0	20.50	20.50	20.47	20.34	20.46					
20	64QAM	1	49	20.34	20.40	20.46	20.40	20.45					
20	64QAM	1	99	20.32	20.27	20.38	20.30	20.43	21.5	0			
20	64QAM	50	0	20.59	20.56	20.68	20.60	20.72					
20	64QAM	50	24	20.71	20.65	20.59	20.58	20.73					
20	64QAM	50	50	20.63	20.69	20.57	20.57	20.65					
20	64QAM	100	0	20.46	20.65	20.42	20.44	20.62	21.5	0			
20	256QAM	1	0	20.57	20.69	20.58	20.58	20.65					
20	256QAM	1	49	20.45	20.59	20.51	20.43	20.58					
20	256QAM	1	99	20.30	20.32	20.46	20.50	20.47					
20	256QAM	50	0	20.53	20.52	20.71	20.51	20.67	21.5	0			
20	256QAM	50	24	20.51	20.62	20.62	20.43	20.58					
20	256QAM	50	50	20.42	20.53	20.43	20.44	20.56					
20	256QAM	100	0	20.56	20.70	20.61	20.58	20.66					
Channel				35725	40173	40620	41068	41515	Tune-up limit (dbm)			MPR (db)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5					
15	QPSK	1	0	20.58	20.62	20.69	20.70	20.81	21.5	0			
15	QPSK	1	37	20.54	20.54	20.44	20.45	20.63					
15	QPSK	1	74	20.44	20.39	20.41	20.39	20.57					
15	QPSK	36	0	20.58	20.48	20.67	20.50	20.62					
15	QPSK	36	20	20.47	20.34	20.51	20.36	20.48	21.5	0			
15	QPSK	36	39	20.40	20.36	20.42	20.33	20.53					
15	QPSK	75	0	20.50	20.51	20.56	20.30	20.51					
15	16QAM	1	0	20.51	20.62	20.37	20.37	20.54					
15	16QAM	1	37	20.59	20.73	20.54	20.34	20.57	21.5	0			
15	16QAM	1	74	20.45	20.27	20.27	20.39	20.37					
15	16QAM	36	0	20.57	20.46	20.44	20.49	20.44					
15	16QAM	36	20	20.37	20.64	20.32	20.34	20.52					
15	16QAM	36	39	20.36	20.30	20.25	20.18	20.33	21.5	0			
15	16QAM	75	0	20.38	20.41	20.39	20.40	20.57					
15	64QAM	1	0	20.40	20.46	20.46	20.20	20.35					
15	64QAM	1	37	20.28	20.42	20.45	20.24	20.31					
15	64QAM	1	74	20.34	20.26	20.29	20.21	20.30	21.5	0			
15	64QAM	36	0	20.59	20.56	20.49	20.44	20.74					
15	64QAM	36	20	20.64	20.63	20.45	20.59	20.71					
15	64QAM	36	39	20.52	20.62	20.59	20.39	20.55					
15	64QAM	75	0	20.41	20.57	20.25	20.34	20.59	21.5	0			
15	256QAM	1	0	20.56	20.52	20.50	20.54	20.51					
15	256QAM	1	37	20.38	20.41	20.51	20.38	20.58					
15	256QAM	1	74	20.14	20.31	20.31	20.51	20.42					
15	256QAM	36	0	20.40	20.47	20.61	20.40	20.66	21.5	0			
15	256QAM	36	20	20.47	20.63	20.53	20.36	20.60					
15	256QAM	36	39	20.39	20.44	20.29	20.26	20.42					
15	256QAM	75	0	20.46	20.71	20.49	20.55	20.60					
Channel				35700	40160	40620	41080	41540	Tune-up limit (dbm)			MPR (db)	
Frequency (MHz)				2501	2547	2593	2639	2685					
10	QPSK	1	0	20.65	20.65	20.68	20.68	20.80	21.5	0			
10	QPSK	1	25	20.57	20.52	20.55	20.45	20.70					
10	QPSK	1	49	20.53	20.48	20.37	20.50	20.56					
10	QPSK	25	0	20.63	20.58	20.45	20.48	20.71					
10	QPSK	25	12	20.60	20.31	20.44	20.36	20.53	21.5	0			
10	QPSK	25	25	20.35	20.28	20.40	20.42	20.61					
10	QPSK	50	0	20.60	20.44	20.51	20.35	20.43					
10	16QAM	1	0	20.52	20.50	20.35	20.46	20.64					
10	16QAM	1	25	20.55	20.66	20.41	20.40	20.61	21.5	0			
10	16QAM	1	49	20.39	20.14	20.28	20.27	20.33					
10	16QAM	25	0	20.46	20.54	20.44	20.36	20.57					
10	16QAM	25	12	20.33	20.64	20.38	20.51	20.52					
10	16QAM	25	25	20.34	20.35	20.16	20.22	20.34	21.5	0			
10	16QAM	50	0	20.26	20.55	20.30	20.33	20.48					
10	64QAM	1	0	20.40	20.52	20.42	20.24	20.34					
10	64QAM	1	25	20.18	20.29	20.46	20.42	20.43					
10	64QAM	1	49	20.27	20.12	20.26	20.20	20.35	21.5	0			
10	64QAM	25	0	20.47	20.52	20.48	20.51	20.61					
10	64QAM	25	12	20.61	20.58	20.43	20.42	20.71					
10	64QAM	25	25	20.48	20.57	20.47	20.41	20.61					
10	64QAM	50	0	20.37	20.63	20.29	20.44	20.54	21.5	0			
10	256QAM	1	0	20.42	20.71	20.59	20.51	20.52					
10	256QAM	1	25	20.46	20.51	20.38	20.29	20.51					
10	256QAM	1	49	20.20	20.33	20.42	20.46	20.38					
10	256QAM	25	0	20.46	20.47	20.56	20.44	20.58	21.5	0			
10	256QAM	25	12	20.42	20.46	20.54	20.31	20.52					
10	256QAM	25	25	20.25	20.53	20.30	20.33	20.53					
10	256QAM	50	0	20.44	20.52	20.57	20.52	20.61					
Channel				35675	40148	40620	41093	41585	Tune-up limit (dbm)			MPR (db)	
Frequency (MHz)				2496.5	2545.8	2593	2640.30	2687.5					
5	QPSK	1	0	20.62	20.69	20.55	20.70	20.67	21.5	0			
5	QPSK	1	12	20.61	20.49	20.39	20.45	20.57					
5	QPSK	1	24	20.55	20.39	20.32	20.49	20.61					
5	QPSK	12	0	20.60	20.52	20.57	20.54	20.65					
5	QPSK	12	7	20.48	20.43	20.57	20.56	20.66	21.5	0			
5	QPSK	12	13	20.30	20.35	20.42	20.30	20.57					
5	QPSK	25	0	20.58	20.54	20.49	20.45	20.53					
5	16QAM	1	0	20.43	20.67	20.45	20.47	20.52					
5	16QAM	1	12	20.63	20.66	20.37	20.46	20.65	21.5	0			
5	16QAM	1	24	20.42	20.33	20.32	20.30	20.41					
5	16QAM	12	0	20.53	20.51	20.38	20.41	20.53					
5	16QAM	12	7	20.51	20.61	20.39	20.33	20.53					
5	16QAM	12	13	20.34	20.29	20.24	20.35	20.46	21.5	0			
5	16QAM	25	0	20.31	20.39	20.36	20.26	20.49					
5	64QAM	1	0	20.44	20.50	20.38	20.17	20.28					
5	64QAM	1	12	20.30	20.35	20.41	20.36	20.31					
5	64QAM	1	24	20.18	20.11	20.31	20.15	20.24	21.5	0			
5	64QAM	12	0	20.56	20.48	20.54	20.50	20.73					
5	64QAM	12	7	20.55	20.59	20.45	20.39	20.73					
5	64QAM	12	13	20.64	20.64	20.40	20.39	20.55					
5	64QAM	25	0	20.33	20.60	20.39	20.26	20.46	21.5	0			
5	256QAM	1	0	20.55	20.52	20.40	20.49	20.55					
5	256QAM	1	12	20.32	20.59	20.34	20.43	20.46					
5	256QAM	1	24	20.19	20.31	20.34	20.50	20.36					
5	256QAM	12	0	20.51	20.42	20.71	20.26	20.43					
5	256QAM	12	7	20.52	20.47	20.58	20.29	20.43					
5	256QAM	12	13	20.32	20.52	20.42	20.36	20.40	21.5	0			
5	256QAM	25	0	20.41	20.68	20.50	20.43	20.51					



Part270_n77_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				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.02	19.18	19.13	20.5	0.0	
100	PI/2 BPSK	1	137	19.07	19.22	19.13			
100	PI/2 BPSK	1	271	19.26	19.28	19.17			
100	PI/2 BPSK	135	0	19.13	19.16	19.09	20.5	0.0	
100	PI/2 BPSK	135	69	19.00	19.13	19.04	20.5	0.0	
100	PI/2 BPSK	135	138	19.09	19.17	19.14	20.5	0.0	
100	PI/2 BPSK	270	0	19.10	19.15	19.00	20.5	0.0	
100	QPSK	1	1	19.13	19.36	19.26			
100	QPSK	1	137	19.11	19.20	19.20			
100	QPSK	1	271	19.08	19.30	19.24	20.5	0.0	
100	QPSK	135	0	19.02	19.16	19.05			
100	QPSK	135	69	19.10	19.34	19.23			
100	QPSK	135	138	19.07	19.07	19.06	20.5	0.0	
100	QPSK	270	0	19.13	19.31	19.27			
100	16QAM	1	1	19.18	19.27	19.20	20.5	0.0	
100	64QAM	1	1	19.23	19.31	19.23	20.5	0.0	
100	256QAM	1	1	18.03	18.21	18.21	19.5	1.0	
Channel				649668	656000	662332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)	
90	QPSK	1	1	19.11	19.28	19.09	20.5	0.0	
Channel				849334	856000	862666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)	
80	QPSK	1	1	19.11	19.31	19.07	20.5	0.0	
Channel				649000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3725	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	19.03	19.17	19.15	20.5	0.0	
Channel				849668	856000	863332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)	
60	QPSK	1	1	19.07	19.27	19.20	20.5	0.0	
Channel				648334	656000	663666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)	
50	QPSK	1	1	19.06	19.27	19.07	20.5	0.0	
Channel				849000	856000	864000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	18.94	19.26	19.22	20.5	0.0	
Channel				647668	656000	664332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)	
30	QPSK	1	1	19.05	19.18	19.14	20.5	0.0	
Channel				847334	856000	864666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	QPSK	1	1	19.06	19.33	19.08	20.5	0.0	

Part270_n78_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									
Frequency (MHz)									
100	PI/2 BPSK	1	1		3750	19.16	20.5	0.0	
100	PI/2 BPSK	1	137			19.08			
100	PI/2 BPSK	1	271			19.14			
100	PI/2 BPSK	135	0			19.01	20.5	0.0	
100	PI/2 BPSK	135	69			18.95	20.5	0.0	
100	PI/2 BPSK	135	138			19.18	20.5	0.0	
100	PI/2 BPSK	270	0			19.09	20.5	0.0	
100	QPSK	1	1			19.28			
100	QPSK	1	137			19.06			
100	QPSK	1	271			19.24	20.5	0.0	
100	QPSK	135	0			19.05			
100	QPSK	135	69			19.24			
100	QPSK	135	138			19.02	20.5	0.0	
100	QPSK	270	0			19.25	20.5	0.0	
100	16QAM	1	1			19.16	20.5	0.0	
100	64QAM	1	1			19.19	20.5	0.0	
100	256QAM	1	1			18.03	19.5	1.0	
Channel				649668	656000	662332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)	
90	QPSK	1	1	19.19	19.17	19.21	20.5	0.0	
Channel				849334	856000	862666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)	
80	QPSK	1	1	19.14	19.12	19.17	20.5	0.0	
Channel				649000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3725	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	19.06	19.03	19.14	20.5	0.0	
Channel				849668	856000	863332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)	
60	QPSK	1	1	19.15	19.14	19.17	20.5	0.0	
Channel				648334	656000	663666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)	
50	QPSK	1	1	19.06	19.14	19.07	20.5	0.0	
Channel				849000	856000	864000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	19.16	19.18	19.07	20.5	0.0	
Channel				647668	656000	664332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)	
30	QPSK	1	1	19.17	19.09	19.03	20.5	0.0	
Channel				847334	856000	864666	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)	
20	QPSK	1	1	19.16	19.07	19.19	20.5	0.0	



Part27O_n77_Ant 5											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)			
Channel				650000	656000	662000					
Frequency (MHz)				3750	3840	3930					
100	Pi/2 BPSK	1	1	19.41	19.43	19.31	21.0	0.0			
100	Pi/2 BPSK	1	137	19.46	19.52	19.37					
100	Pi/2 BPSK	1	271	19.27	19.34	19.08					
100	Pi/2 BPSK	135	0	18.60	18.63	18.54				20.5	
100	Pi/2 BPSK	135	69	19.37	19.42	19.36	21.0			0.0	
100	Pi/2 BPSK	135	138	18.51	18.59	18.52	20.5			0.5	
100	Pi/2 BPSK	270	0	18.58	18.56	18.64					
100	QPSK	1	1	19.24	19.58	19.45	21.0	0.0			
100	QPSK	1	137	19.15	19.03	19.01					
100	QPSK	1	271	19.18	19.05	19.00					
100	QPSK	135	0	18.21	18.37	18.20					
100	QPSK	135	69	19.10	19.53	19.35	21.0			0.0	
100	QPSK	135	138	18.35	18.29	18.11					
100	QPSK	270	0	18.27	18.46	18.20	20.0			1.0	
100	16QAM	1	1	18.24	18.52	18.17	20.0			1.0	
100	64QAM	1	1	16.67	16.96	16.92	18.5			2.5	
100	256QAM	1	1	15.09	15.33	15.25	16.5			4.5	
Channel				649688	656000	662332	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98					
90	QPSK	1	1	19.43	19.47	19.41	21.0			0.0	
Channel				649334	656000	662666	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99					
80	QPSK	1	1	19.51	19.53	19.45	21.0			0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3735.02	3840	3945					
70	QPSK	1	1	19.56	19.55	19.41	21.0	0.0			
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3730.02	3840	3949.98					
60	QPSK	1	1	19.52	19.47	19.43	21.0	0.0			
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3725.01	3840	3954.99					
50	QPSK	1	1	19.54	19.45	19.42	21.0	0.0			
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3720	3840	3960					
40	QPSK	1	1	19.56	19.54	19.45	21.0	0.0			
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3715.02	3840	3959.98					
30	QPSK	1	1	19.52	19.45	19.48	21.0	0.0			
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3710.01	3840	3969.99 <th></th> <th colspan="2"></th>					
20	QPSK	1	1	19.50	19.54	19.49	21.0	0.0			

Part27O_n78_Ant 5										
BW [MHz]	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					
Frequency (MHz)				3750						
100	Pi/2 BPSK	1	1	19.32				21.0	0.0	
100	Pi/2 BPSK	1	137	19.23						
100	Pi/2 BPSK	1	271	19.26						
100	Pi/2 BPSK	135	0	19.17			20.5			
100	Pi/2 BPSK	135	69	19.22			21.0	0.0		
100	Pi/2 BPSK	135	138	19.29			20.5	0.5		
100	Pi/2 BPSK	270	0	19.22						
100	QPSK	1	1	19.42				21.0	0.0	
100	QPSK	1	137	19.33						
100	QPSK	1	271	19.22						
100	QPSK	135	0	18.33						
100	QPSK	135	69	19.22			21.0	0.0		
100	QPSK	135	138	18.29						
100	QPSK	270	0	18.41			20.0	1.0		
100	16QAM	1	1	18.29			20.0	1.0		
100	64QAM	1	1	16.75			18.5	2.5		
100	256QAM	1	1	15.16			16.5	4.5		
Channel				649688	650000	650332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3750	3754.98				
90	QPSK	1	1	19.34	19.40	19.12	21.0	0.0		
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3750	3759.99				
80	QPSK	1	1	19.36	19.39	19.19	21.0	0.0		
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735.02	3750	3765.02				
70	QPSK	1	1	19.33	19.32	19.31	21.0	0.0		
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.02	3750	3769.98				
60	QPSK	1	1	19.33	19.33	19.19	21.0	0.0		
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3750	3774.99				
50	QPSK	1	1	19.21	19.31	19.14	21.0	0.0		
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720.02	3750	3780.02				
40	QPSK	1	1	19.15	19.41	19.14	21.0	0.0		
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3750	3784.98				
30	QPSK	1	1	19.10	19.34	19.20	21.0	0.0		
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3750	3789.99				
20	QPSK	1	1	19.32	19.25	19.29	21.0	0.0		

Reduced Power for DSI 7

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		30.74	30.44	30.64	31.50	21.74	21.44	21.64	22.50
GPRS 1 Tx slot		30.71	30.42	30.62	31.50	21.71	21.42	21.62	22.50
GPRS 2 Tx slots		28.12	27.69	28.03	29.00	22.12	21.69	22.03	23.00
GPRS 3 Tx slots		26.41	26.26	26.44	27.00	22.15	22.00	22.18	22.74
GPRS 4 Tx slots		25.06	24.74	24.93	25.50	22.06	21.74	21.93	22.50
EDGE 1 Tx slot		25.60	25.34	25.47	26.00	16.60	16.34	16.47	17.00
EDGE 2 Tx slots		23.49	23.49	23.58	24.50	17.49	17.49	17.58	18.50
EDGE 3 Tx slots		21.39	21.42	21.51	22.00	17.13	17.16	17.25	17.74
EDGE 4 Tx slots		19.41	19.48	19.50	20.00	16.41	16.48	16.50	17.00

GSM1900_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		23.13	23.15	23.34	24.00	14.13	14.15	14.34	15.00
GPRS 1 Tx slot		23.11	23.13	23.32	24.00	14.11	14.13	14.32	15.00
GPRS 2 Tx slots		21.71	21.67	21.72	22.00	15.71	15.67	15.72	16.00
GPRS 3 Tx slots		19.67	19.42	19.63	20.50	15.41	15.16	15.37	16.24
GPRS 4 Tx slots		17.52	17.71	17.75	18.50	14.52	14.71	14.75	15.50
EDGE 1 Tx slot		20.07	20.27	20.31	21.00	11.07	11.27	11.31	12.00
EDGE 2 Tx slots		17.23	17.27	17.07	18.00	11.23	11.27	11.07	12.00
EDGE 3 Tx slots		16.04	15.95	15.92	17.00	11.78	11.69	11.66	12.74
EDGE 4 Tx slots		13.95	14.18	14.17	15.00	10.95	11.18	11.17	12.00

Band		WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA IV_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	15.98	16.00	15.95	16.50	17.95	17.97	17.86	18.50	22.06	22.12	22.10	23.00
3GPP Rel 99	RMC 12.2Kbps	16.00	16.03	15.97	16.50	17.97	17.99	17.88	18.50	22.08	22.15	22.12	23.00
3GPP Rel 6	HSDPA Subtest-1	15.02	14.92	14.99	15.50	16.69	16.98	16.89	17.50	21.02	20.97	20.97	22.00
3GPP Rel 6	HSDPA Subtest-2	14.97	15.05	15.04	15.50	16.73	16.99	17.05	17.50	20.94	21.06	21.01	22.00
3GPP Rel 6	HSDPA Subtest-3	14.50	14.57	14.58	15.00	16.37	16.58	16.40	17.00	20.46	20.60	20.55	21.50
3GPP Rel 6	HSDPA Subtest-4	14.52	14.54	14.56	15.00	16.22	16.05	16.47	17.00	20.48	20.53	20.47	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	14.74	15.01	14.90	15.50	16.80	16.91	16.81	17.50	20.89	20.85	20.75	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	14.82	14.88	14.84	15.50	16.84	16.80	17.01	17.50	21.01	20.73	20.78	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	14.51	14.36	14.41	15.00	16.14	16.25	16.41	17.00	20.38	20.47	20.61	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	14.32	14.51	14.42	15.00	16.34	16.09	16.43	17.00	20.35	20.33	20.43	21.50
3GPP Rel 6	HSUPA Subtest-1	14.94	15.13	15.10	15.50	16.83	16.99	17.01	17.50	20.95	20.94	21.09	22.00
3GPP Rel 6	HSUPA Subtest-2	13.01	13.03	13.07	13.50	14.89	14.98	15.08	15.50	18.92	18.87	19.07	20.00
3GPP Rel 6	HSUPA Subtest-3	14.03	13.99	14.05	14.50	15.86	16.00	16.16	16.50	20.12	20.05	19.93	21.00
3GPP Rel 6	HSUPA Subtest-4	12.90	13.14	13.08	13.50	14.85	14.97	15.02	15.50	18.98	19.07	19.02	20.00
3GPP Rel 6	HSUPA Subtest-5	15.00	14.99	15.06	15.50	16.91	16.93	17.04	17.50	21.08	21.12	20.92	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.22	12.86	13.27	13.50	14.97	15.01	15.06	15.50	19.15	19.13	19.16	20.00

Band 2_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turnup Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
18700 18800 18900										
20	QPSK	1	0	18.02	18.00	18.04				
20	QPSK	1	49	18.85	18.81	18.91	17	0		
20	QPSK	1	99	19.68	19.60	19.76				
20	QPSK	50	0	19.00	18.98	19.02				
20	QPSK	50	24	19.96	19.96	19.96	17	0		
20	QPSK	50	50	19.92	19.91	19.93				
20	QPSK	100	0	19.98	19.98	19.98				
20	16QAM	1	0	19.91	19.96	19.91				
20	16QAM	1	49	19.91	19.98	19.78	17	0		
20	16QAM	1	99	19.99	19.91	19.97				
20	16QAM	50	0	19.78	19.96	19.98				
20	16QAM	50	24	19.90	19.90	19.90	17	0		
20	16QAM	50	50	19.95	19.92	19.95				
20	16QAM	100	0	19.92	19.92	19.98				
20	64QAM	1	0	19.98	19.71	19.76				
20	64QAM	1	49	19.70	19.74	19.93	17	0		
20	64QAM	1	99	19.81	19.88	19.95				
20	64QAM	50	0	19.78	19.93	19.88				
20	64QAM	50	24	19.91	19.91	19.90				
20	64QAM	50	50	19.97	19.92	19.92	17	0		
20	64QAM	100	0	19.70	19.80	19.85				
20	256QAM	1	0	19.85	19.85	19.87				
20	256QAM	1	49	19.98	19.71	19.48	17	0		
20	256QAM	1	99	19.83	19.82	19.72				
20	256QAM	50	0	19.88	19.88	19.90				
20	256QAM	50	24	19.98	19.97	19.90	17	0		
20	256QAM	50	50	19.79	19.86	19.99				
20	256QAM	100	0	19.82	19.84	19.78				
Channel										
18875 18900 18925										
16	QPSK	1	0	19.90	19.90	19.98				
16	QPSK	1	24	19.93	19.93	19.93	17	0		
16	QPSK	1	74	19.81	19.88	19.90				
16	QPSK	36	0	19.86	19.80	19.91				
16	QPSK	36	24	19.98	19.87	19.87	17	0		
16	QPSK	36	39	19.88	19.91	19.89				
16	QPSK	75	0	19.84	19.91	19.89				
16	16QAM	1	0	19.87	19.87	19.97				
16	16QAM	1	24	19.98	19.72	19.89	17	0		
16	16QAM	1	74	19.43	19.79	19.72				
16	16QAM	36	0	19.78	19.97	19.96				
16	16QAM	36	20	19.88	19.98	19.94	17	0		
16	16QAM	36	39	19.94	19.84	19.90				
16	16QAM	75	0	19.98	19.88	19.90				
16	64QAM	1	0	19.44	19.84	19.81				
16	64QAM	1	37	19.96	19.97	19.92	17	0		
16	64QAM	1	74	19.78	19.77	19.86				
16	64QAM	36	0	19.72	19.87	19.95				
16	64QAM	36	20	19.89	19.79	19.77	17	0		
16	64QAM	36	39	19.94	19.84	19.90				
16	64QAM	75	0	19.98	19.88	19.90				
16	256QAM	1	0	19.81	19.81	19.87				
16	256QAM	1	37	19.92	19.87	19.92	17	0		
16	256QAM	1	74	19.80	19.73	19.85				
16	256QAM	36	0	19.87	19.95	19.91				
16	256QAM	36	20	19.71	19.85	19.75	17	0		
16	256QAM	36	39	19.76	19.80	19.87				
16	256QAM	75	0	19.82	19.88	19.83				
Channel										
18950 18900 19100										
16	QPSK	1	0	19.88	19.88	19.89				
16	QPSK	1	25	19.81	19.78	19.78	17	0		
16	QPSK	1	49	19.78	19.72	19.83				
16	QPSK	36	0	19.83	19.84	19.93				
16	QPSK	25	0	19.99	19.79	19.75	17	0		
16	QPSK	25	12	19.74	19.73	19.85				
16	QPSK	82	0	19.88	19.74	19.87				
16	16QAM	1	0	19.87	19.79	19.91				
16	16QAM	1	25	19.89	19.77	19.84	17	0		
16	16QAM	1	49	19.74	19.87	19.93				
16	16QAM	25	0	19.81	19.97	19.72				
16	16QAM	25	12	19.77	19.98	19.99				
16	16QAM	25	25	19.76	19.80	19.87				
16	16QAM	50	0	19.03	19.96	19.93				
16	64QAM	1	0	19.47	19.72	19.60				
16	64QAM	1	25	19.88	19.74	19.42	17	0		
16	64QAM	1	49	19.72	19.79	19.78				
16	64QAM	25	0	19.78	19.84	19.92				
16	64QAM	25	12	19.76	19.81	19.72				
16	64QAM	25	25	19.88	19.88	19.90				
16	64QAM	50	0	19.83	19.80	19.82				
16	256QAM	1	0	19.70	19.88	19.70				
16	256QAM	1	25	19.82	19.70	19.82	17	0		
16	256QAM	1	49	19.84	19.75	19.84				
16	256QAM	25	0	19.91	19.97	19.80				
16	256QAM	25	12	19.88	19.85	19.82				
16	256QAM	25	25	19.76	19.82	19.83				
16	256QAM	50	0	19.64	19.74	19.71				
Channel										
18952 18900 19075										
5	QPSK	1	0	19.85	19.82	19.02				
5	QPSK	1	12	19.84	19.84	19.86	17	0		
5	QPSK	1	24	19.87	19.78	19.81				
5	QPSK	12	0	19.88	19.86	19.86				
5	QPSK	12	7	19.96	19.84	19.87				
5	QPSK	12	13	19.86	19.87	19.87				
5	QPSK	25	0	19.87	19.83	19.95				
5	16QAM	1	0	19.75	19.82	19.78	17	0		
5	16QAM	1	12	19.77	19.87	19.85				
5	16QAM	1	24	19.55	19.78	19.76				
5	16QAM	12	0	19.71	19.96	19.72				
5	16QAM	12	7	19.79	19.82	19.87				
5	16QAM	12	13	19.77	19.00	19.84	17	0		
5	16QAM	25	0	19.84	19.82	19.82				
5	64QAM	1	0	19.41	19.81	19.81				
5	64QAM	1	12	19.57	19.82	19.48	17	0		
5	64QAM	1	24	19.67	19.91	19.93				
5	64QAM	12	0	19.84	19.81	19.81				
5	64QAM	12	7	19.75	19.78	19.91				
5	64QAM	12	13	19.79	19.91	19.80	17	0		
5	64QAM	25	0	19.79	19.77	19.75				
5	256QAM	1	0	19.44	19.55	19.54	17	0		
5	256QAM	1	24	19.47	19.83	19.81				
5	256QAM	12	0	19.81	19.97	19.91				
5	256QAM	12	7	19.75	19.87	19.82				
5	256QAM	12	13	19.82	19.81	19.87	17	0		
5	256QAM	25	0	19.69	19.87	19.78				
Channel										
18915 18900 19100										
3	QPSK	1	0	19.96	19.93	19.86				
3	QPSK	1	8	19.83	19.92	19.88	17	0		
3	QPSK	1	14	19.87	19.77	19.78				
3	QPSK	8	0	19.00	19.84	19.93				
3	QPSK	8	4	19.92	19.97	19.87	17	0		
3	QPSK	8	7	19.77	19.76	19.88				
3	QPSK	15	0	19.96	19.81	19.91				
3	16QAM	1	0	19.79	19.84	19.84				
3	16QAM	1	8	19.75	19.86	19.83	17	0		
3	16QAM	1	14	19.69	19.68	19.76				
3	16QAM	8	0	19.75	19.87	19.84				
3	16QAM	8	4	19.77	19.90	19.85				
3	16QAM	8	7	19.86	19.82	19.72				
3	16QAM	15	0	19.85	19.89	19.84				
3	64QAM	1	0	19.66	19.68	19.72				
3	64QAM	1	8	19.62	19.76	19.42	17	0		
3	64QAM	1	14	19.63	19.76	19.80				
3	64QAM	8	0	19.80	19.93	19.84				
3	64QAM	8	4	19.76	19.88	19.91	17	0		
3	64QAM	8	7	19.87	19.87	19.87				
3	64QAM	15	0	19.56	19.68	19.53				
3	256QAM	1	0	19.79	19.80	19.87	17	0		
3	256QAM	1	8	19.48	19.63	19.58				
3	256QAM	1	14	19.51	19.64	19.70				
3	256QAM	8	0	19.98	19.82	19.73				
3	256QAM	8	4	19.99	19.9	19.9	17	0		
3	256QAM	8	7	19.71	19.89	19.84				
3	256QAM	15	0	19.60	19.62	19.62				
Channel										
19007 19000 19099.3										
1.4	QPSK	1	0	19.84	19.82	19.87				
1.4	QPSK	1	8	19.87	19.87	19.88	17	0		
1.4	QPSK	1	16	19.89	19.89	19.89				
1.4	QPSK	3	0	19.75	19.84	19.87				
1.4	QPSK	3	8	19.88	19.82	19.91	17	0		
1.4	QPSK	3	16	19.91	19.79	19.78				
1.4	QPSK	3	24	19.83	19.73	19.88				
1.4	QPSK	6	0	19.00	19.83	19.92	17	0		
1.4	QPSK	6	8	19.78	19.85	19.83				
1.4	QPSK	6	16	19.90	19.79	19.78				
1.4	QPSK	6	24	19.81	19.71	19.80				
1.4	QPSK									

Band 17_Ant 0											
BW (MHz)	Modulation	RB Box	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-on time (dBm)	MPR (dB)			
Channel				23760	23760	23800					
Frequency (MHz)				706	710	714					
10	QPSK	1	0	22.93	23.03	23.05	24	0			
10	QPSK	1	25	22.91	22.92	22.97					
10	QPSK	1	49	22.90	23.00	22.98					
10	QPSK	25	0	22.16	22.27	22.24					
10	QPSK	25	12	22.12	22.12	22.20	23	1			
10	QPSK	25	25	22.15	22.24	22.12					
10	QPSK	50	0	22.17	22.23	22.20					
10	HQDM	1	0	22.20	22.26	22.70					
10	HQDM	1	25	22.43	22.36	22.33	23	1			
10	HQDM	1	49	22.45	22.29	22.70					
10	HQDM	25	0	21.39	21.42	21.37					
10	HQDM	25	12	21.52	21.52	21.28					
10	HQDM	25	25	21.19	21.24	21.14	22	2			
10	HQDM	50	0	21.28	21.20	21.23					
10	HQDM	1	0	21.52	21.38	21.36					
10	HQDM	1	25	21.74	21.54	21.33					
10	HQDM	1	49	21.41	21.51	21.46	21	3			
10	HQDM	25	0	20.27	20.22	20.38					
10	HQDM	25	12	20.44	20.36	20.36					
10	HQDM	25	25	20.30	20.18	20.27					
10	HQDM	50	0	20.38	20.32	20.28	19	5			
10	SSBQDM	1	0	17.69	17.71	17.80					
10	SSBQDM	1	25	17.88	17.77	17.85					
10	SSBQDM	1	49	17.88	17.70	17.79					
10	SSBQDM	25	0	17.70	17.71	17.86	19	5			
10	SSBQDM	25	12	17.89	17.67	17.94					
10	SSBQDM	25	25	17.73	17.85	17.74					
10	SSBQDM	50	0	17.68	17.50	17.52					
Channel				23760	23760	23800					
Frequency (MHz)				706.5	710	713.5					
5	QPSK	1	0	22.87	22.96	23.00	24	0			
5	QPSK	1	12	22.88	22.77	22.80					
5	QPSK	1	24	22.84	22.99	23.01					
5	QPSK	12	0	22.38	22.26	22.18					
5	QPSK	12	7	22.30	22.07	22.11	23	1			
5	QPSK	12	13	22.39	22.20	22.27					
5	QPSK	25	0	22.30	22.09	22.29					
5	HQDM	1	0	22.47	22.46	22.56					
5	HQDM	1	12	22.45	22.42	22.43	23	1			
5	HQDM	1	24	22.47	22.22	22.52					
5	HQDM	12	0	21.37	21.14	21.44					
5	HQDM	12	7	21.36	21.08	21.25					
5	HQDM	12	13	21.27	21.09	21.06	22	2			
5	HQDM	25	0	21.13	21.10	21.19					
5	HQDM	1	0	21.38	21.28	21.38					
5	HQDM	1	12	21.74	21.57	21.30					
5	HQDM	1	24	21.50	21.40	21.42	21	3			
5	HQDM	12	0	20.30	20.20	20.44					
5	HQDM	12	7	20.35	20.25	20.44					
5	HQDM	12	13	20.14	20.15	20.22					
5	HQDM	25	0	20.16	20.02	20.03	19	5			
5	SSBQDM	1	0	17.79	17.65	17.66					
5	SSBQDM	1	12	17.83	17.63	17.80					
5	SSBQDM	1	24	17.77	17.76	17.87					
5	SSBQDM	12	0	17.69	17.62	17.72	19	5			
5	SSBQDM	12	7	17.84	17.59	17.88					
5	SSBQDM	12	13	17.57	17.53	17.71					
5	SSBQDM	25	0	17.57	17.62	17.72					

Band 26_Ant 0											
BW (MHz)	Modulation	RB Box	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-on time (s/min)	MPR (dB)			
Channel				26765	26865	26915					
Frequency (MHz)				815.5	815.5	815.5					
15	QPSK	1	0	21.13	21.29	21.21	22.5	0			
15	QPSK	1	37	21.12	21.17	21.18					
15	QPSK	1	74	21.07	21.16	21.15					
15	QPSK	36	0	21.10	21.08	21.25					
15	QPSK	36	20	21.11	21.27	21.17	22.5	0			
15	QPSK	36	36	21.08	21.25	21.24					
15	QPSK	60	0	21.10	21.19	21.09					
15	HQDM	1	0	21.01	21.15	21.02					
15	HQDM	1	37	21.11	21.21	21.13	22.5	0			
15	HQDM	1	74	21.14	21.28	21.15					
15	HQDM	36	0	20.51	20.08	20.51					
15	HQDM	36	20	20.69	20.71	20.75					
15	HQDM	36	36	20.69	20.67	20.61	22	0.5			
15	HQDM	75	0	20.46	20.61	20.44					
15	HQDM	1	0	20.63	20.66	20.54					
15	HQDM	1	37	20.52	20.76	20.65					
15	HQDM	1	74	20.87	20.86	20.52	22	0.5			
15	HQDM	36	0	19.49	19.66	19.62					
15	HQDM	36	20	19.51	19.72	19.75					
15	HQDM	36	36	19.74	19.75	19.69					
15	HQDM	75	0	19.67	19.66	19.65	21	1.5			
15	SSBQDM	1	0	17.57	17.61	17.56					
15	SSBQDM	1	37	17.37	17.35	17.25					
15	SSBQDM	1	74	17.50	17.68	17.50					
15	SSBQDM	36	0	17.46	17.20	17.35	19	3.5			
15	SSBQDM	36	20	17.29	17.46	17.47					
15	SSBQDM	36	36	17.54	17.50	17.42					
15	SSBQDM	75	0	17.45	17.44	17.25					
Channel				26715	26865	27015					
Frequency (MHz)				819	815.5	814					
10	QPSK	1	0	20.96	21.22	21.05	22.5	0			
10	QPSK	1	36	21.01	21.29	21.16					
10	QPSK	1	49	21.11	20.99	20.95					
10	QPSK	25	0	21.28	21.22	21.22					
10	QPSK	25	12	21.18	21.27	21.17	22.5	0			
10	QPSK	25	25	21.25	21.19	21.24					
10	QPSK	50	0	21.09	21.22	21.14					
10	HQDM	1	0	20.98	21.28	21.09					
10	HQDM	1	25	20.90	21.20	20.95	22.5	0			
10	HQDM	1	49	20.98	21.26	21.10					
10	HQDM	25	0	20.56	20.47	20.58					
10	HQDM	25	12	20.56	20.79	20.59					
10	HQDM	25	25	20.67	20.53	20.60	22	0.5			
10	HQDM	50	0	20.42	20.47	20.36					
10	HQDM	1	0	20.46	20.57	20.61					
10	HQDM	1	25	20.54	20.68	20.65					
10	HQDM	1	49	20.92	20.89	20.86	21	1.5			
10	HQDM	25	0	19.54	19.62	19.66					
10	HQDM	25	12	19.46	19.66	19.51					
10	HQDM	25	25	19.65	19.73	19.54					
10	HQDM	50	0	19.67	19.60	19.44	19	3.5			
10	SSBQDM	1	0	17.65	17.49	17.51					
10	SSBQDM	1	25	17.31	17.25	17.24					
10	SSBQDM	1	49	17.45	17.58	17.48					
10	SSBQDM	25	0	17.33	17.34	17.21					
10	SSBQDM	25	12	17.18	17.24	17.43					
10	SSBQDM	25	25	17.34	17.37	17.46					
10	SSBQDM	50	0	17.32	17.42	17.33					
Channel				26715	26865	27015					
Frequency (MHz)				819.5	815.5	814					
5	QPSK	1	0	21.02	21.15	21.08	22.5	0			
5	QPSK	1	12	21.03	20.97	21.01					
5	QPSK	1	24	20.94	21.16	20.97					
5	QPSK	12	0	21.06	21.25	21.28					
5	QPSK	12	7	21.02	21.29	21.19	22.5	0			
5	QPSK	12	13	20.98	21.25	21.28					

Band 38_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				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	14.12	14.23	14.10	15	0	
20	QPSK	1	49	13.80	13.93	14.02			
20	QPSK	1	99	13.91	13.86	14.01			
20	QPSK	50	0	14.05	14.08	14.04	15	0	
20	QPSK	50	24	14.03	14.02	13.96			
20	QPSK	50	50	14.02	14.07	13.92			
20	QPSK	100	0	14.00	14.12	14.05	15	0	
20	16QAM	1	0	13.99	14.10	14.07			
20	16QAM	1	49	13.76	13.80	13.71			
20	16QAM	1	99	13.95	13.85	13.87	15	0	
20	16QAM	50	0	14.02	13.99	13.86			
20	16QAM	50	24	14.07	14.18	14.10			
20	16QAM	50	50	13.70	13.81	13.99	15	0	
20	16QAM	100	0	13.87	13.84	13.98			
20	64QAM	1	0	13.46	13.50	13.51			
20	64QAM	1	49	13.63	13.51	13.56	15	0	
20	64QAM	1	99	13.84	13.57	13.57			
20	64QAM	50	0	14.02	14.11	14.01			
20	64QAM	50	24	14.05	14.01	14.13	15	0	
20	64QAM	50	50	14.01	14.09	13.96			
20	64QAM	100	0	13.89	13.77	13.94			
20	256QAM	1	0	14.10	14.03	14.10	15	0	
20	256QAM	1	49	13.81	13.88	13.85			
20	256QAM	1	99	13.85	13.90	13.86			
20	256QAM	50	0	13.90	13.75	13.96	15	0	
20	256QAM	50	24	13.96	13.98	13.85			
20	256QAM	50	50	13.95	14.07	13.96			
20	256QAM	100	0	14.10	13.84	13.94			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	13.96	14.16	14.12	15	0	
15	QPSK	1	37	13.75	13.76	13.87			
15	QPSK	1	74	13.85	13.81	13.97			
15	QPSK	36	0	14.08	14.03	13.94	15	0	
15	QPSK	36	20	14.01	14.03	13.89			
15	QPSK	36	39	13.86	14.01	13.77			
15	QPSK	75	0	13.95	14.09	13.96	15	0	
15	16QAM	1	0	13.94	14.05	13.90			
15	16QAM	1	37	13.73	13.79	13.87			
15	16QAM	1	74	13.85	13.87	13.58	15	0	
15	16QAM	36	0	13.86	13.74	13.86			
15	16QAM	36	20	14.09	14.10	14.02			
15	16QAM	36	39	13.60	13.78	13.84	15	0	
15	16QAM	75	0	13.81	13.81	13.88			
15	64QAM	1	0	13.39	13.39	13.41			
15	64QAM	1	37	13.45	13.40	13.43	15	0	
15	64QAM	1	74	13.61	13.43	13.45			
15	64QAM	36	0	13.99	13.98	14.01			
15	64QAM	36	20	14.05	13.91	14.11	15	0	
15	64QAM	36	39	13.86	13.93	13.86			
15	64QAM	75	0	13.71	13.76	13.87			
15	256QAM	1	0	14.04	13.85	14.12	15	0	
15	256QAM	1	37	13.67	13.86	13.87			
15	256QAM	1	74	13.72	13.90	13.70			
15	256QAM	36	0	13.79	13.61	13.78	15	0	
15	256QAM	36	20	13.96	13.83	13.76			
15	256QAM	36	39	13.89	13.93	13.81			
15	256QAM	75	0	13.96	13.67	13.78			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	13.98	14.13	14.02	15	0	
10	QPSK	1	25	13.78	13.90	13.85			
10	QPSK	1	49	13.65	13.84	14.00			
10	QPSK	25	0	13.96	14.02	14.00	15	0	
10	QPSK	25	12	14.00	13.95	13.97			
10	QPSK	25	25	13.87	13.92	13.74			
10	QPSK	50	0	13.83	13.95	13.92	15	0	
10	16QAM	1	0	13.90	14.12	13.92			
10	16QAM	1	25	13.75	13.78	13.60			
10	16QAM	1	49	13.81	13.78	13.63	15	0	
10	16QAM	25	0	13.91	13.84	13.76			
10	16QAM	25	12	13.94	14.15	14.12			
10	16QAM	25	25	13.57	13.78	13.84	15	0	
10	16QAM	50	0	13.83	13.74	13.96			
10	64QAM	1	0	13.34	13.46	13.52			
10	64QAM	1	25	13.53	13.49	13.55	15	0	
10	64QAM	1	49	13.51	13.58	13.50			
10	64QAM	25	0	13.91	14.03	13.83			
10	64QAM	25	12	14.02	14.01	14.07	15	0	
10	64QAM	25	25	13.97	14.08	13.82			
10	64QAM	50	0	13.74	13.73	13.93			
10	256QAM	1	0	13.97	13.94	14.06	15	0	
10	256QAM	1	25	13.76	13.87	13.69			
10	256QAM	1	49	13.79	13.73	13.86			
10	256QAM	25	0	13.87	13.62	13.98	15	0	
10	256QAM	25	12	13.86	13.83	13.69			
10	256QAM	25	25	13.98	13.98	13.88			
10	256QAM	50	0	14.03	13.83	13.84			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	13.96	14.21	13.95	15	0	
5	QPSK	1	12	13.68	13.88	13.97			
5	QPSK	1	24	13.82	13.79	14.02			
5	QPSK	12	0	13.95	13.96	13.96	15	0	
5	QPSK	12	7	13.86	13.99	13.94			
5	QPSK	12	13	13.94	14.08	13.80			
5	QPSK	25	0	13.85	13.96	14.00	15	0	
5	16QAM	1	0	13.97	14.03	13.91			
5	16QAM	1	12	13.71	13.64	13.71			
5	16QAM	1	24	13.76	13.83	13.54	15	0	
5	16QAM	12	0	13.92	13.62	13.86			
5	16QAM	12	7	13.96	14.10	14.05			
5	16QAM	12	13	13.63	13.68	13.94	15	0	
5	64QAM	1	0	13.47	13.32	13.51			
5	64QAM	1	12	13.54	13.33	13.38			
5	64QAM	1	24	13.66	13.57	13.54	15	0	
5	64QAM	12	0	14.02	13.94	13.96			
5	64QAM	12	7	13.93	13.85	14.02			
5	64QAM	12	13	13.91	14.09	13.79	15	0	
5	64QAM	25	0	13.80	13.77	13.95			
5	256QAM	1	0	14.04	13.89	14.00			
5	256QAM	1	12	13.77	13.83	13.83	15	0	
5	256QAM	1	24	13.84	13.79	13.71			
5	256QAM	12	0	13.78	13.65	13.87			
5	256QAM	12	7	13.86	13.96	13.86	15	0	
5	256QAM	12	13	13.96	14.05	13.82			
5	256QAM	25	0	13.93	13.84	13.82			

Band 41_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	14.19	14.22	14.20	14.26	14.27	15	0
20	QPSK	1	49	13.94	14.04	14.02	14.00	14.06		
20	QPSK	1	99	13.96	14.01	14.00	13.96	14.02		
20	QPSK	50	0	14.17	14.21	14.20	14.24	14.26		
20	QPSK	50	24	14.06	14.06	14.05	14.10	14.24	15	0
20	QPSK	50	50	14.10	14.12	14.10	14.07	14.18		
20	QPSK	100	0	14.05	14.14	14.09	14.11	14.24		
20	16QAM	1	0	14.14	14.13	14.20	14.15	14.26		
20	16QAM	1	49	13.91	13.98	13.83	13.81	13.96	15	0
20	16QAM	1	99	13.96	13.87	13.85	13.84	13.98		
20	16QAM	50	0	14.00	14.04	13.92	13.97	14.09		
20	16QAM	50	24	14.07	14.11	14.15	14.20	14.24		
20	16QAM	50	50	13.85	13.91	14.02	14.00	14.03	15	0
20	16QAM	100	0	14.02	14.02	14.13	14.05	14.09		
20	64QAM	1	49	13.64	13.59	13.56	13.66	13.72		
20	64QAM	1	99	13.63	13.67	13.67	13.51	13.65		
20	64QAM	50	0	14.06	14.11	13.99	13.99	14.18	15	0
20	64QAM	50	24	14.19	14.17	14.12	14.14	14.26		
20	64QAM	50	50	14.01	14.11	14.11	14.16	14.17		
20	64QAM	100	0	13.89	13.88	14.01	14.01	14.08		
20	256QAM	1	0	13.88	13.87	14.15	14.25	14.23	15	0
20	256QAM	1	49	13.80	13.87	13.85	13.84	13.98		
20	256QAM	1	99	13.83	13.88	13.88	14.04	13.96		
20	256QAM	50	0	13.92	13.91	14.01	13.99	14.10		
20	256QAM	50	24	14.08	14.02	14.03	13.99	14.19	15	0
20	256QAM	50	50	14.00	14.20	14.13	13.98	14.20		
20	256QAM	100	0	14.12	13.90	14.04	13.93	14.10		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	14.03	14.05	14.20	14.25	14.23	15	0
15	QPSK	1	37	13.92	13.91	13.87	13.81	14.03		
15	QPSK	1	74	13.88	13.95	13.94	13.96	13.92		
15	QPSK	36	0	14.19	14.20	14.08	14.14	14.09		
15	QPSK	36	20	13.94	13.94	13.98	14.06	14.10	15	0
15	QPSK	36	39	14.06	13.95	14.10	14.00	14.19		
15	QPSK	75	0	13.99	14.06	13.95	14.06	14.14		
15	16QAM	1	0	14.04	13.98	14.20	14.01	14.10		
15	16QAM	1	37	13.74	13.80	13.76	13.70	13.82	15	0
15	16QAM	1	74	13.80	13.80	13.69	13.78	13.91		
15	16QAM	36	0	13.85	13.89	13.87	13.85	14.11		
15	16QAM	36	20	13.99	14.13	13.97	14.18	14.18		
15	16QAM	36	39	13.82	13.79	13.99	13.96	13.89	15	0
15	16QAM	75	0	14.02	13.86	14.03	13.93	13.94		
15	64QAM	1	49	13.61	13.67	13.65	13.62	13.59		
15	64QAM	1	97	13.60	13.58	13.43	13.56	13.54		
15	64QAM	1	74	13.56	13.67	13.50	13.38	13.64	15	0
15	64QAM	36	0	14.00	14.08	13.97	13.95	14.16		
15	64QAM	36	20	14.20	14.16	13.95	13.96	14.24		
15	64QAM	36	39	13.91	13.96	14.07	14.07	14.09		
15	64QAM	75	0	13.83	13.77	13.99	13.93	13.97	15	0
15	64QAM	1	49	14.09	13.91	14.12	14.15	14.20		
15	256QAM	1	37	13.67	13.66	13.93	13.85	13.96		
15	256QAM	1	74	13.78	13.98	13.98	13.98	14.04		
15	256QAM	36	0	13.78	13.79	14.03	13.93	13.98	15	0
15	256QAM	36	20	13.99	13.90	13.95	13.97	14.12		
15	256QAM	36	39	13.84	14.11	14.13	13.96	14.07		
15	256QAM	75	0	14.06	13.78	13.96	13.84	13.96		
Channel				39700	40160	40620	41060	41560		
Frequency (MHz)				2500.5	2545.3	2593	2637.8	2682.5		
10	QPSK	1	0	14.15	14.04	14.10	14.13	14.19	15	0
10	QPSK	1	25	13.85	13.93	14.02	13.85	14.01		
10	QPSK	1	49	13.88	14.00	13.89	13.78	14.00		
10	QPSK	25	0	14.09	14.07	14.06	14.23	14.18		
10	QPSK	25	12	14.01	14.08	13.90	13.97	14.10	15	0
10	QPSK	25	25	14.01	13.13	13.99	14.02	14.10		
10	QPSK	50	0	13.86	13.87	14.02	14.15	14.16		
10	16QAM	1	0	14.13	13.98	14.17	14.00	14.16		
10	16QAM	1	25	13.74	13.99	13.84	13.67	13.87	15	0
10	16QAM	1	49	13.87	13.82	13.62	13.76	13.87		
10	16QAM	25	0	13.97	13.97	13.79	13.96	14.11		
10	16QAM	25	12	13.97	14.09	14.17	14.19	14.09		
10	16QAM	25	25	13.70	13.89	13.97	13.94	14.01	15	0
10	16QAM	50	0	13.93	13.94	13.86	13.82	13.94		
10	64QAM	1	0	13.55	13.46	13.47	13.92	13.76		
10	64QAM	1	25	13.52	13.52	13.55	13.59	13.64		
10	64QAM	1	49	13.53	13.53	13.56	13.50	13.58	15	0
10	64QAM	25	0	13.99	14.10	13.81	13.81	14.05		
10	64QAM	25	12	14.20	14.07	14.10	14.15	14.18		
10	64QAM	25	25	13.83	14.01	14.05	13.99	14.01		
10	64QAM	50	0	13.83	13.70	14.03	13.80	14.06	15	0
10	256QAM	1	0	14.07	13.97	14.15	14.09	14.13		
10	256QAM	1	25	13.68	13.73	13.87	13.90	13.96		
10	256QAM	1	49	13.88	13.97	14.01	13.87	13.87		
10	256QAM	25	0	13.91	13.81	13.97	13.85	13.94	15	0
10	256QAM	25	12	13.92	13.88	13.97	13.94	14.20		
10	256QAM	25	25	14.04	14.12	14.07	13.97	14.16		
10	256QAM	50	0	14.04	13.93	14.04	13.83	13.96		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2499.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	14.05	14.18	14.09	14.23	14.14	15	0
5	QPSK	1	12	13.80	13.92	13.95	13.95	13.88		
5	QPSK	1	24	13.96	13.86	13.94	13.98	13.91		
5	QPSK	12	0	14.00	14.06	14.09	14.17	14.25		
5	QPSK	12	7	14.04	13.98	14.00	13.97	14.22	15	0
5	QPSK	12	13	13.97	13.94	13.97	14.12	14.12		
5	16QAM	1	0	14.10	14.04	14.20	14.16	14.23		
5	16QAM	1	12	13.91	13.82	13.84	13.80	13.98		
5	16QAM	1	24	13.78	13.92	13.66	13.79	13.82	15	0
5	16QAM	12	0	13.96	14.02	13.93	13.95	13.93		
5	16QAM	12	7	14.03	14.02	14.02	14.00	14.26		
5	16QAM	12	13	13.73	13.84	13.84	13.87	13.90		
5	16QAM	25	0	13.84	13.85	13.95	14.00	14.00	15	0
5	64QAM	1	0	13.53	13.47	13.52	13.63	13.73		
5	64QAM	1	12	13.56	13.61	13.64	13.52	13.59		
5	64QAM	1	24	13.50	13.69	13.63	13.52	13.60		
5	64QAM	12	0	14.00	13.97	13.90	13.84	14.06	15	0
5	64QAM	12	7	14.06	14.16	14.06	14.07	14.16		
5	64QAM	12	13	14.02	14.11	13.98	14.07	13.99		
5	64QAM	25	0	13.75	13.80	13.90	13.93	13.99		
5	256QAM	1	0	13.93	13.92	14.13	14.22	14.13	15	0
5	256QAM	1	12	13.77	13.86	13.83	13.79	13.87		
5	256QAM	1	24	13.73	13.85	13.99	13.86	13.97		
5	256QAM	12	0	13.81	13.93	13.88	14.00	13.92		
5	256QAM	12	7	14.03	13.96	13.90	13.96	14.12	15	0
5	256QAM	12	13	13.97	14.05	14.07	13.96	14.08		
5	256QAM	25	0	14.05	13.90	14.00	13.90	14.08		
5	256QAM	25	0	14.07	14.00	14.00	13.90	14.08		

Band 41 (HPUE)_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	16.5	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	15.78	15.67	15.70	15.78	15.80	16.5	0	
20	QPSK	1	49	15.45	15.52	15.38	15.47	15.57			
20	QPSK	1	99	15.51	15.51	15.51	15.53	15.66	16.5	0	
20	QPSK	50	0	15.75	15.65	15.60	15.75	15.77			
20	QPSK	50	24	15.80	15.84	15.68	15.68	15.85	16.5	0	
20	QPSK	50	50	15.81	15.59	15.54	15.75	15.71			
20	QPSK	100	0	15.53	15.56	15.50	15.57	15.75	16.5	0	
20	16QAM	1	0	15.72	15.60	15.57	15.73	15.72			
20	16QAM	1	49	15.49	15.42	15.40	15.30	15.46	16.5	0	
20	16QAM	1	99	15.34	15.35	15.55	15.37	15.51			
20	16QAM	50	0	15.68	15.57	15.50	15.50	15.68	16.5	0	
20	16QAM	50	24	15.55	15.79	15.57	15.73	15.74			
20	16QAM	50	50	15.46	15.40	15.54	15.55	15.54	16.5	0	
20	16QAM	100	0	15.52	15.67	15.67	15.53	15.65			
20	64QAM	1	0	15.65	15.59	15.68	15.60	15.77	16.5	0	
20	64QAM	1	49	15.42	15.42	15.48	15.60	15.57			
20	64QAM	1	99	15.41	15.37	15.45	15.46	15.47	16.5	0	
20	64QAM	50	0	15.78	15.63	15.72	15.60	15.76			
20	64QAM	50	24	15.66	15.67	15.59	15.72	15.75	16.5	0	
20	64QAM	50	50	15.62	15.72	15.59	15.65	15.76			
20	64QAM	100	0	15.65	15.54	15.53	15.51	15.65	16.5	0	
20	256QAM	1	0	15.55	15.56	15.48	15.46	15.63			
20	256QAM	1	49	15.23	15.36	15.21	15.37	15.39	16.5	0	
20	256QAM	1	99	15.38	15.38	15.58	15.54	15.67			
20	256QAM	50	0	15.60	15.65	15.59	15.63	15.67	16.5	0	
20	256QAM	50	24	15.58	15.62	15.46	15.51	15.65			
20	256QAM	50	50	15.67	15.55	15.57	15.57	15.72	16.5	0	
20	256QAM	100	0	15.42	15.49	15.39	15.62	15.57			
Channel				39725	40173	40620	41068	41515	16.5	0	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	15.66	15.51	15.52	15.53	15.59	16.5	0	
15	QPSK	1	37	15.41	15.44	15.25	15.28	15.61			
15	QPSK	1	74	15.47	15.46	15.49	15.54	15.46	16.5	0	
15	QPSK	36	0	15.67	15.49	15.54	15.61	15.70			
15	QPSK	36	20	15.45	15.58	15.65	15.62	15.51	16.5	0	
15	QPSK	36	39	15.58	15.54	15.43	15.72	15.73			
15	QPSK	75	0	15.61	15.40	15.57	15.47	15.74	16.5	0	
15	16QAM	1	0	15.71	15.67	15.48	15.72	15.51			
15	16QAM	1	37	15.50	15.29	15.20	15.11	15.51	16.5	0	
15	16QAM	1	74	15.20	15.34	15.43	15.33	15.52			
15	16QAM	36	0	15.51	15.54	15.39	15.56	15.63	16.5	0	
15	16QAM	36	20	15.54	15.63	15.52	15.56	15.70			
15	16QAM	36	39	15.51	15.39	15.53	15.54	15.34	16.5	0	
15	16QAM	75	0	15.41	15.49	15.49	15.42	15.72			
15	64QAM	1	0	15.47	15.59	15.75	15.50	15.76	16.5	0	
15	64QAM	1	37	15.21	15.32	15.41	15.60	15.60			
15	64QAM	1	74	15.25	15.37	15.28	15.49	15.44	16.5	0	
15	64QAM	36	0	15.62	15.60	15.60	15.60	15.78			
15	64QAM	36	20	15.61	15.60	15.67	15.78	15.78	16.5	0	
15	64QAM	36	39	15.52	15.53	15.63	15.60	15.61			
15	64QAM	75	0	15.57	15.62	15.52	15.51	15.59	16.5	0	
15	256QAM	1	0	15.33	15.59	15.56	15.33	15.46			
15	256QAM	1	37	15.11	15.19	15.19	15.25	15.30	16.5	0	
15	256QAM	1	74	15.59	15.58	15.41	15.35	15.70			
15	256QAM	36	0	15.64	15.56	15.67	15.46	15.75	16.5	0	
15	256QAM	36	20	15.58	15.55	15.49	15.46	15.55			
15	256QAM	36	39	15.68	15.57	15.37	15.55	15.72	16.5	0	
15	256QAM	75	0	15.30	15.54	15.36	15.50	15.57			
Channel				39700	40160	40620	41080	41540	16.5	0	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	15.72	15.59	15.57	15.55	15.58	16.5	0	
10	QPSK	1	25	15.50	15.39	15.21	15.36	15.65			
10	QPSK	1	49	15.49	15.58	15.58	15.32	15.74	16.5	0	
10	QPSK	25	0	15.69	15.70	15.61	15.70	15.70			
10	QPSK	25	12	15.58	15.47	15.65	15.75	15.62	16.5	0	
10	QPSK	25	25	15.41	15.40	15.62	15.71	15.53			
10	QPSK	50	0	15.46	15.37	15.44	15.63	15.76	16.5	0	
10	16QAM	1	0	15.69	15.40	15.43	15.54	15.77			
10	16QAM	1	25	15.29	15.40	15.40	15.16	15.34	16.5	0	
10	16QAM	1	49	15.28	15.28	15.41	15.17	15.39			
10	16QAM	25	0	15.65	15.63	15.58	15.32	15.68	16.5	0	
10	16QAM	25	12	15.37	15.63	15.57	15.75	15.78			
10	16QAM	25	25	15.33	15.45	15.49	15.52	15.53	16.5	0	
10	16QAM	50	0	15.52	15.66	15.73	15.39	15.61			
10	64QAM	1	0	15.68	15.43	15.70	15.48	15.66	16.5	0	
10	64QAM	1	25	15.35	15.38	15.49	15.57	15.37			
10	64QAM	1	49	15.24	15.38	15.36	15.37	15.35	16.5	0	
10	64QAM	25	0	15.64	15.61	15.63	15.42	15.64			
10	64QAM	25	12	15.74	15.96	15.48	15.72	15.73	16.5	0	
10	64QAM	25	25	15.57	15.63	15.45	15.71	15.61			
10	64QAM	50	0	15.64	15.54	15.60	15.55	15.61	16.5	0	
10	256QAM	1	0	15.46	15.49	15.55	15.37	15.50			
10	256QAM	1	25	15.05	15.36	15.19	15.16	15.46	16.5	0	
10	256QAM	1	49	15.41	15.63	15.71	15.62	15.61			
10	256QAM	25	0	15.43	15.43	15.52	15.62	15.55	16.5	0	
10	256QAM	25	12	15.36	15.43	15.48	15.48	15.52			
10	256QAM	25	25	15.46	15.48	15.65	15.63	15.52	16.5	0	
10	256QAM	50	0	15.43	15.55	15.31	15.65	15.50			
Channel				39675	40148	40620	41093	41565	16.5	0	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	15.62	15.48	15.54	15.56	15.66	16.5	0	
5	QPSK	1	12	15.27	15.54	15.26	15.44	15.50			
5	QPSK	1	24	15.53	15.38	15.52	15.55	15.45	16.5	0	
5	QPSK	12	0	15.57	15.53	15.62	15.60	15.75			
5	QPSK	12	7	15.40	15.62	15.60	15.63	15.72	16.5	0	
5	QPSK	12	13	15.62	15.54	15.59	15.74	15.67			
5	QPSK	25	0	15.34	15.60	15.49	15.45	15.47	16.5	0	
5	16QAM	1	0	15.54	15.60	15.40	15.63	15.74			
5	16QAM	1	12	15.28	15.42	15.35	15.31	15.35	16.5	0	
5	16QAM	1	24	15.21	15.27	15.54	15.27	15.44			
5	16QAM	12	0	15.71	15.59	15.37	15.41	15.70	16.5	0	
5	16QAM	12	7	15.48	15.61	15.56	15.75	15.56			
5	16QAM	12	13	15.34	15.29	15.51	15.38	15.59	16.5	0	
5	16QAM	25	0	15.59	15.63	15.64	15.38	15.58			
5	64QAM	1	0	15.44	15.50	15.59	15.43	15.67	16.5	0	
5	64QAM	1	12	15.34	15.24	15.38	15.38	15.41			
5	64QAM	1	24	15.29	15.44	15.23	15.45	15.43	16.5	0	
5	64QAM	12	0	15.69	15.42	15.58	15.49	15.59			
5	64QAM	12	7	15.57	15.46	15.65	15.56	15.68	16.5	0	
5	64QAM	12	13	15.59	15.60	15.61	15.57	15.68			
5	64QAM	25	0	15.52	15.32	15.57	15.38	15.66	16.5	0	
5	256QAM	1	0	15.33	15.49	15.45	15.48	15.56			
5	256QAM	1	12	15.21	15.20	15.10	15.24	15.20	16.5	0	
5	256QAM	1	24	15.62	15.36	15.49	15.53	15.61			
5	256QAM	12	0	15.63	15.48	15.49	15.53	15.65	16.5	0	
5	256QAM	12	7	15.46	15.44	15.29	15.38	15.73			
5	256QAM	12	13	15.48	15.47	15.63	15.41	15.77	16.5	0	
5	256QAM	25	0	15.28	15.34	15.41	15.59	15.62			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				3790	3840	3900		
100	Pl2 BPSK	1	1	15.56	15.61	15.63		
100	Pl2 BPSK	1	137	15.47	15.62	15.47	17.0	0.0
100	Pl2 BPSK	1	271	15.58	15.74	15.69		
100	Pl2 BPSK	135	0	15.46	15.60	15.56	17.0	0.0
100	Pl2 BPSK	135	69	15.56	15.67	15.49	17.0	0.0
100	Pl2 BPSK	135	138	15.56	15.62	15.61		
100	Pl2 BPSK	270	0	15.56	15.60	15.43	17.0	0.0
100	QPSK	1	1	15.67	15.63	15.63		
100	QPSK	1	137	15.64	15.74	15.60		
100	QPSK	1	271	15.82	15.82	15.58	17.0	0.0
100	QPSK	135	0	15.51	15.58	15.40		
100	QPSK	135	69	15.54	15.80	15.51	17.0	0.0
100	QPSK	135	138	15.52	15.58	15.59		
100	QPSK	270	0	15.80	15.78	15.66	17.0	0.0
100	8QAM	1	1	15.83	15.81	15.63	17.0	0.0
100	8QAM	1	1	15.82	15.74	15.60	17.0	0.0
100	256QAM	1	1	15.80	15.82	15.64	17.0	0.0
Channel								
Frequency (MHz)								
				649668	650000	652332	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	15.94	15.72	15.46	17.0	0.0
Channel								
Frequency (MHz)								
				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	15.48	15.79	15.62	17.0	0.0
Channel								
Frequency (MHz)								
				3735	3840	3945		
70	QPSK	1	1	15.52	15.79	15.47	17.0	0.0
Channel								
Frequency (MHz)								
				648334	650000	653666	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	15.48	15.70	15.48	17.0	0.0
Channel								
Frequency (MHz)								
				3720.02	3840	3964.98	17.0	0.0
50	QPSK	1	1	15.52	15.77	15.67	17.0	0.0
Channel								
Frequency (MHz)								
				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	15.64	15.82	15.63	17.0	0.0
Channel								
Frequency (MHz)								
				3715.02	3840	3964.98	(dBm)	(dB)
30	QPSK	1	1	15.60	15.69	15.60	17.0	0.0
Channel								
Frequency (MHz)								
				647334	650000	654666	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	15.49	15.68	15.44	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				3790	65000				
100	Pl2 BPSK	1	1		15.75				
100	Pl2 BPSK	1	137		15.72		17.0	0.0	
100	Pl2 BPSK	1	271		15.42				
100	Pl2 BPSK	135	0		15.73		17.0	0.0	
100	Pl2 BPSK	135	69		15.82		17.0	0.0	
100	Pl2 BPSK	135	138		15.34		17.0	0.0	
100	Pl2 BPSK	270	0		15.83				
100	QPSK	1	1		15.87				
100	QPSK	1	137		15.82		17.0	0.0	
100	QPSK	1	271		15.33				
100	QPSK	135	0		15.68				
100	QPSK	135	69		15.72		17.0	0.0	
100	QPSK	135	138		15.42				
100	QPSK	270	0		15.67		17.0	0.0	
100	16QAM	1	1		15.82		17.0	0.0	
100	16QAM	1	1		15.68		17.0	0.0	
100	256QAM	1	1		15.63		17.0	0.0	
Channel									
Frequency (MHz)									
				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1		15.60	15.70	15.68	17.0	0.0
Channel									
Frequency (MHz)									
				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		15.39	15.55	15.67	17.0	0.0
Channel									
Frequency (MHz)									
				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		15.38	15.56	15.56	17.0	0.0
Channel									
Frequency (MHz)									
				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		15.51	15.72	15.58	17.0	0.0
Channel									
Frequency (MHz)									
				3735	3790	3765			
50	QPSK	1	1		15.42	15.70	15.68	17.0	0.0
Channel									
Frequency (MHz)									
				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		15.47	15.63	15.65	17.0	0.0
Channel									
Frequency (MHz)									
				3715.02	3790	3764.98			
30	QPSK	1	1		15.61	15.52	15.60	17.0	0.0
Channel									
Frequency (MHz)									
				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		15.48	15.65	15.53	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				3790	3840	3900		
100	Pv2 BPSK	1	1	11.21	11.23	11.20		
100	Pv2 BPSK	1	137	11.12	11.12	11.11	12.5	0.0
100	Pv2 BPSK	135	0	11.11	11.23	11.25	12.5	0.0
100	Pv2 BPSK	135	69	10.84	11.02	11.03	12.5	0.0
100	Pv2 BPSK	135	138	11.11	11.16	11.09		
100	Pv2 BPSK	270	0	10.86	11.06	10.98	12.5	0.0
100	QPSK	1	1	11.16	11.34	11.14		
100	QPSK	1	137	10.95	11.13	11.05	12.5	0.0
100	QPSK	1	271	10.98	11.10	11.08		
100	QPSK	135	0	11.06	11.11	10.94		
100	QPSK	135	69	11.17	11.32	11.25	12.5	0.0
100	QPSK	135	138	11.04	11.07	10.88		
100	QPSK	270	0	11.23	11.30	11.28	12.5	0.0
100	16QAM	1	1	11.30	11.52	11.52	12.5	0.0
100	16QAM	1	1	11.14	11.31	11.32	12.5	0.0
100	256QAM	1	1	11.18	11.16	11.05	12.5	0.0
Channel								
Frequency (MHz)								
				649668	650000	652332	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	11.19	11.17	11.16	12.5	0.0
Channel								
Frequency (MHz)								
				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	11.19	11.24	11.13	12.5	0.0
Channel								
Frequency (MHz)								
				648000	650000	653000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	11.19	11.24	11.16	12.5	0.0
Channel								
Frequency (MHz)								
				3730.02	3840	3949.98		
60	QPSK	1	1	11.15	11.30	11.04	12.5	0.0
Channel								
Frequency (MHz)								
				3725.02	3840	3964.98		
50	QPSK	1	1	11.06	11.23	11.12	12.5	0.0
Channel								
Frequency (MHz)								
				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	11.01	11.22	11.04	12.5	0.0
Channel								
Frequency (MHz)								
				3715.02	3840	3964.98		
30	QPSK	1	1	11.08	11.32	11.00	12.5	0.0
Channel								
Frequency (MHz)								
				3710.02	3840	3969.98		
20	QPSK	1	1	11.18	11.31	10.99	12.5	0.0



Part27O_n78_Ant 3									
BW (MHz)	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)									
100	P12 BPSK	1	1		3750				
100	P12 BPSK	1	137		11.33				
100	P12 BPSK	1	271		11.35		12.5	0.0	
100	P12 BPSK	135	0		11.29				
100	P12 BPSK	135	69		11.30		12.5	0.0	
100	P12 BPSK	135	138		11.27				
100	P12 BPSK	270	0		11.24		12.5	0.0	
100	QPSK	1	1		11.37				
100	QPSK	1	137		11.36		12.5	0.0	
100	QPSK	1	271		11.29				
100	QPSK	135	0		11.24				
100	QPSK	135	69		11.33		12.5	0.0	
100	QPSK	135	138		11.17				
100	QPSK	270	0		11.26		12.5	0.0	
100	16QAM	1	1		11.30		12.5	0.0	
100	64QAM	1	1		11.28		12.5	0.0	
100	256QAM	1	1		11.21		12.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	649988	650000	650332	Tune-up limit (dBm)	MPR	
				3745.02	3750	3754.98	(dBm)	(dB)	
50	QPSK	1	1	11.27	11.20	11.26	12.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	649334	650000	650666	Tune-up limit (dBm)	MPR	
				3740.01	3750	3759.99	(dBm)	(dB)	
80	QPSK	1	1	11.23	11.07	11.10	12.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	649988	650000	650332	Tune-up limit (dBm)	MPR	
				3735.02	3750	3765.98	(dBm)	(dB)	
70	QPSK	1	1	11.22	11.12	11.17	12.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	649988	650000	650332	Tune-up limit (dBm)	MPR	
				3730.01	3750	3769.99	(dBm)	(dB)	
60	QPSK	1	1	11.11	11.08	11.27	12.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	648334	650000	651666	Tune-up limit (dBm)	MPR	
				3725.01	3750	3774.99	(dBm)	(dB)	
50	QPSK	1	1	11.11	11.05	11.14	12.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	648000	650000	652000	Tune-up limit (dBm)	MPR	
				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	11.17	11.10	11.16	12.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	647334	650000	652666	Tune-up limit (dBm)	MPR	
				3715.02	3750	3784.98	(dBm)	(dB)	
30	QPSK	1	1	11.21	11.15	11.18	12.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	647334	650000	652666	Tune-up limit (dBm)	MPR	
				3710.01	3750	3789.99	(dBm)	(dB)	
20	QPSK	1	1	11.23	11.14	11.22	12.5	0.0	

Par27O_n77_Ant 5									
BW (MHz)	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)									
100	P12 BPSK	1	1	19.41	19.43	19.31			
100	P12 BPSK	1	137	19.46	19.52	19.37	21.0	0.0	
100	P12 BPSK	1	271	19.27	19.34	19.08			
100	P12 BPSK	135	0	18.60	18.63	18.54	20.5	0.5	
100	P12 BPSK	135	69	19.37	19.42	19.36	21.0	0.0	
100	P12 BPSK	135	138	18.51	18.59	18.52			
100	P12 BPSK	270	0	18.58	18.55	18.64	20.5	0.5	
100	QPSK	1	1	19.24	19.58	19.45			
100	QPSK	1	137	19.15	19.03	19.01	21.0	0.0	
100	QPSK	1	271	19.18	19.05	19.00			
100	QPSK	135	0	18.21	18.37	18.20			
100	QPSK	135	69	19.10	19.53	19.35	21.0	0.0	
100	QPSK	135	138	18.35	18.29	18.11			
100	QPSK	270	0	18.27	18.46	18.20	20.0	1.0	
100	16QAM	1	1	18.24	18.52	18.17	20.0	1.0	
100	64QAM	1	1	18.67	18.96	18.92	18.5	2.5	
100	256QAM	1	1	15.09	15.33	15.25	16.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	649988	650000	650332	Tune-up limit (dBm)	MPR	
				3745.02	3840	3934.98	(dBm)	(dB)	
90	QPSK	1	1	19.48	19.47	19.41	21.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	649334	650000	650666	Tune-up limit (dBm)	MPR	
				3740.01	3840	3939.99	(dBm)	(dB)	
80	QPSK	1	1	19.51	19.53	19.45	21.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	649988	650000	650332	Tune-up limit (dBm)	MPR	
				3735.02	3840	3944.98	(dBm)	(dB)	
70	QPSK	1	1	19.56	19.55	19.41	21.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	649988	650000	650332	Tune-up limit (dBm)	MPR	
				3730.01	3840	3944.99	(dBm)	(dB)	
60	QPSK	1	1	19.52	19.47	19.43	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	648334	650000	651666	Tune-up limit (dBm)	MPR	
				3725.01	3840	3944.99	(dBm)	(dB)	
50	QPSK	1	1	19.54	19.45	19.42	21.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	648000	650000	652000	Tune-up limit (dBm)	MPR	
				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	19.56	19.54	19.45	21.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	647334	650000	652666	Tune-up limit (dBm)	MPR	
				3715.02	3840	3964.98	(dBm)	(dB)	
30	QPSK	1	1	19.52	19.45	19.48	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	647334	650000	652666	Tune-up limit (dBm)	MPR	
				3710.01	3840	3964.99	(dBm)	(dB)	
20	QPSK	1	1	19.50	19.54	19.49	21.0	0.0	

Par270_n78_Ant 5									
BW (MHz)	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)									
100	P12 BPSK	1	1		19.32				
100	P12 BPSK	1	137		19.23		21.0	0.0	
100	P12 BPSK	1	271		19.26				
100	P12 BPSK	135	0		19.17		20.5	0.5	
100	P12 BPSK	135	69		19.22		21.0	0.0	
100	P12 BPSK	135	138		19.29				
100	P12 BPSK	270	0		19.22		20.5	0.5	
100	QPSK	1	1		19.42				
100	QPSK	1	137		19.33		21.0	0.0	
100	QPSK	1	271		19.22				
100	QPSK	135	0		18.33				
100	QPSK	135	69		19.22		21.0	0.0	
100	QPSK	135	138		18.29				
100	QPSK	270	0		18.41		20.0	1.0	
100	16QAM	1	1		18.29		20.0	1.0	
100	64QAM	1	1		18.75		18.5	2.5	
100	256QAM	1	1		15.16		16.5	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	649988	650000	650332	Tune-up limit (dBm)	MPR	
				3745.02	3750	3764.98			0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	649334	650000	650666	Tune-up limit (dBm)	MPR	
				3740.01	3750	3759.99			0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.36	19.39	19.19	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	649000	650000	651000	Tune-up limit (dBm)	MPR	
				3755	3760	3765			0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.33	19.32	19.31	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	649668	650000	651332	Tune-up limit (dBm)	MPR	
				3748.02	3750	3747.98			0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.33	19.33	19.19	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	649334	650000	651666	Tune-up limit (dBm)	MPR	
				3750.01	3750	3749.99			0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.21	19.31	19.14	21.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.15	19.41	19.14	21.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	649000	650000	652332	Tune-up limit (dBm)	MPR	
				3740.02	3750	3749.98			0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.18	19.34	19.20	21.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	649734	650000	652666	Tune-up limit (dBm)	MPR	
				3740.02	3750	3749.98			0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.32	19.25	19.29	21.0	0.0	

Part270_n77_Ant 7											
BW [MHz]	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)				3750	3840	3900					
100	Pl2 BPSK	1	1	16.15	16.18	16.05	17.0	0.0			
100	Pl2 BPSK	1	137	16.13	16.12	16.01					
100	Pl2 BPSK	1	271	15.97	16.15	16.00					
100	Pl2 BPSK	135	0	16.06	16.05	16.02	17.0	0.0			
100	Pl2 BPSK	135	69	16.00	16.07	15.92	17.0	0.0			
100	Pl2 BPSK	135	138	16.01	16.04	15.92	17.0	0.0			
100	Pl2 BPSK	270	0	15.97	16.03	16.05					
100	QPSK	1	1	16.05	16.21	16.12					
100	QPSK	1	137	15.95	16.10	15.96	17.0	0.0			
100	QPSK	1	271	15.93	16.10	16.07					
100	QPSK	135	0	16.86	15.97	16.86					
100	QPSK	135	69	16.03	16.16	16.05	17.0	0.0			
100	QPSK	135	138	15.96	16.02	15.93					
100	QPSK	270	0	15.99	16.15	16.09					
100	16QAM	1	1	16.01	16.19	16.06	17.0	0.0			
100	64QAM	1	1	16.02	16.20	16.12	17.0	0.0			
100	256QAM	1	1	14.72	14.77	14.78	16.5	0.5			
Channel											
649668				650000	652332	Tune-up limit	MPR				
Frequency (MHz)											
3745.02				3840	3904.98	(dBm)	(dB)				
90	QPSK	1	1	16.04	16.17	16.07	17.0	0.0			
Channel											
649334				650000	650666	Tune-up limit	MPR				
Frequency (MHz)											
3740.01				3840	3939.99	(dBm)	(dB)				
80	QPSK	1	1	16.07	16.10	16.07	17.0	0.0			
Channel											
649000				650000	651000	Tune-up limit	MPR				
Frequency (MHz)											
3735				3840	3945	(dBm)	(dB)				
70	QPSK	1	1	16.05	16.03	15.96	17.0	0.0			
Channel											
649668				650000	652332	Tune-up limit	MPR				
Frequency (MHz)											
3730.02				3840	3949.98	(dBm)	(dB)				
60	QPSK	1	1	15.86	16.19	16.06	17.0	0.0			
Channel											
649334				650000	650666	Tune-up limit	MPR				
Frequency (MHz)											
3725.01				3840	3954.99	(dBm)	(dB)				
50	QPSK	1	1	15.96	15.99	15.93	17.0	0.0			
Channel											
648000				650000	650000	Tune-up limit	MPR				
Frequency (MHz)											
3720				3840	3960	(dBm)	(dB)				
40	QPSK	1	1	15.86	16.14	16.05	17.0	0.0			
Channel											
647000				650000	651332	Tune-up limit	MPR				
Frequency (MHz)											
3715.02				3840	3964.98	(dBm)	(dB)				
30	QPSK	1	1	15.89	16.17	15.98	17.0	0.0			
Channel											
647334				650000	650666	Tune-up limit	MPR				
Frequency (MHz)											
3710.01				3840	3969.99	(dBm)	(dB)				
20	QPSK	1	1	15.87	16.14	16.04	17.0	0.0			

Part270_n78_Ant 7											
BW [MHz]	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)				3750	3840	3900					
100	Pl2 BPSK	1	1	16.18	16.13	16.01	17.0	0.0			
100	Pl2 BPSK	1	137	16.13	16.12	16.01					
100	Pl2 BPSK	1	271	16.12	16.15	16.00					
100	Pl2 BPSK	135	0	15.96	16.07	15.92	17.0	0.0			
100	Pl2 BPSK	135	69	15.99	16.07	15.92	17.0	0.0			
100	Pl2 BPSK	135	138	16.06	16.04	15.92	17.0	0.0			
100	Pl2 BPSK	270	0	15.99	16.03	16.05					
100	QPSK	1	1	16.24	16.12	16.12					
100	QPSK	1	137	16.12	16.12	16.03	17.0	0.0			
100	QPSK	1	271	16.03	16.12	16.03					
100	QPSK	135	0	15.92	16.15	16.15					
100	QPSK	135	69	15.99	16.15	15.99	17.0	0.0			
100	QPSK	135	138	15.99	16.15	15.99					
100	QPSK	270	0	15.17	16.17	16.17					
100	16QAM	1	1	16.16	16.16	16.16	17.0	0.0			
100	64QAM	1	1	16.12	16.12	16.12	17.0	0.0			
100	256QAM	1	1	14.73	14.73	14.73	16.5	0.5			
Channel											
649668				650000	650332	Tune-up limit	MPR				
Frequency (MHz)											
3745.02				3840	3954.98	(dBm)	(dB)				
90	QPSK	1	1	16.16	16.19	16.22	17.0	0.0			
Channel											
649334				650000	650666	Tune-up limit	MPR				
Frequency (MHz)											
3740.01				3750	3759.99	(dBm)	(dB)				
80	QPSK	1	1	16.16	16.06	16.16	17.0	0.0			
Channel											
649000				650000	651000	Tune-up limit	MPR				
Frequency (MHz)											
3735				3750	3765	(dBm)	(dB)				
70	QPSK	1	1	16.16	16.21	16.11	17.0	0.0			
Channel											
649668				650000	651332	Tune-up limit	MPR				
Frequency (MHz)											
3730.02				3750	3769.98	(dBm)	(dB)				
60	QPSK	1	1	16.13	16.16	16.17	17.0	0.0			
Channel											
649334				650000	651666	Tune-up limit	MPR				
Frequency (MHz)											
3725.01				3750	3774.99	(dBm)	(dB)				
50	QPSK	1	1	16.06	16.03	16.10	17.0	0.0			
Channel											
648000				650000	652000	Tune-up limit	MPR				
Frequency (MHz)											
3720				3750	3780	(dBm)	(dB)				
40	QPSK	1	1	16.14	16.04	16.06	17.0	0.0			
Channel											
647000				650000	652332	Tune-up limit	MPR				
Frequency (MHz)											
3715.02				3750	3784.98	(dBm)	(dB)				
30	QPSK	1	1	16.15	16.10	16.19	17.0	0.0			
Channel											
647334				650000	652666	Tune-up limit	MPR				
Frequency (MHz)											
3710.01				3750	3789.99	(dBm)	(dB)				
20	QPSK	1	1	16.16	16.14	16.04	17.0	0.0			



Downlink CA Power

2CC														
Configure	CA Configuration (BCS)	PCC							SCC				Power	
		LTE Band	BW (MHz)	UL Channel	UL Freq. (MHz)	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Channel	DL Freq. (MHz)	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	CA_41A-42A	41	20	40620	2593	QPSK	1	0	42	20	42590	3500	23.23	23.36

3CC																		
Configure	CA Configuration (BCS)	PCC							SCC1				SCC2				Power	
		LTE Band	BW (MHz)	UL Channel	UL Freq. (MHz)	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Channel	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Channel	DL Freq. (MHz)	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	CA_41A-42C	41	20	40620	2593	QPSK	1	0	42	20	42590	3500	42	20	42788	3519.8	23.30	23.36
	CA_41C-42A	41	20	40620	2593	QPSK	1	0	41	20	40818	2612.8	42	20	42590	3500	23.26	23.36

4CC																						
Configure	CA Configuration (BCS)	PCC							SCC1				SCC2				SCC3				Power	
		LTE Band	BW (MHz)	UL Channel	UL Freq. (MHz)	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Channel	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Channel	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Channel	DL Freq. (MHz)	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	CA_41C-42C	41	20	40620	2593	QPSK	1	0	41	20	40818	2612.8	42	20	42590	3500	42	20	42788	3519.8	23.32	23.36

Conducted Power for WLAN/Bluetooth

2.4GHz WLAN_AntB				Default Power		● AI Head Power Table Standalone WLAN		● AI Head Power Table Simultaneous WLAN+WWAN		● MHS (Mobile Hotspot) Power Table Simultaneous WLAN+WWAN		● Handheld Reduced power table Standalone WLAN		● Handheld Reduced power table, Simultaneous WLAN+WWAN		● Body-Worn Power Table Standalone WLAN		● Body-Worn Power Table Simultaneous WLAN+WWAN		Duty Cycle %
	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	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	19.23	20.50	18.66	20.00	11.67	13.00	11.45	13.00	19.23	20.50	14.92	16.50	17.44	19.00	11.45	13.00	100.00
		6	2437	18.92	20.50	18.43	20.00	11.32	13.00	11.57	13.00	18.92	20.50	14.95	16.50	17.42	19.00	11.57	13.00	
		11	2462	19.21	20.50	18.46	20.00	11.51	13.00	11.51	13.00	19.21	20.50	14.90	16.50	17.32	19.00	11.51	13.00	
	802.11g 6Mbps	1	2412	18.09	19.50	18.09	19.50		13.00		13.00	18.09	19.50		16.50	17.51	19.00		13.00	98.28
		6	2437	18.94	20.50	18.34	20.00		13.00		13.00	18.94	20.50		16.50	17.35	19.00		13.00	
		10	2457	17.31	19.00	17.31	19.00		13.00		13.00	17.31	19.00		16.50	17.31	19.00		13.00	
		11	2462	15.36	17.00	15.36	17.00		13.00		13.00	15.36	17.00		16.50	15.36	17.00		13.00	
		1	2412	17.39	19.00	17.39	19.00		13.00		13.00	17.39	19.00		16.50	17.39	19.00		13.00	
	802.11n-HT20 MCS0	6	2437	18.76	20.50	18.11	20.00	Not Required	13.00	Not Required	13.00	18.76	20.50	Not Required	16.50	17.25	19.00	Not Required	13.00	98.16
		10	2457	17.93	19.50	17.93	19.50		13.00		13.00	17.93	19.50		16.50	17.16	19.00		13.00	
		11	2462	14.70	16.50	14.70	16.50		13.00		13.00	14.70	16.50		16.50	14.70	16.50		13.00	
	802.11n-HT40 MCS0	3	2422	14.44	16.00	14.44	16.00		13.00		13.00	14.44	16.00		16.50	14.44	16.00		13.00	94.93
		6	2437	15.46	17.00	15.46	17.00		13.00		13.00	15.46	17.00		16.50	15.46	17.00		13.00	
		9	2452	12.89	14.50	12.89	14.50		13.00		13.00	12.89	14.50		14.50	12.89	14.50		13.00	

5.2GHz WLAN_AntB						Default Power		● AI-Head Power Table Standalone WLAN		● AI-Head Power Table Simultaneous WLAN+WWAN		● MHS (Mobile Hotspot) Power Table Simultaneous WLAN+WWAN		● Handheld Reduced power table Standalone WLAN		● Handheld Reduced power table, Simultaneous WLAN+WWAN		● Body-Worn Power Table Standalone WLAN		● Body-Worn Power Table Simultaneous WLAN+WWAN		Duty Cycle %
	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	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.06	19.50		16.50		11.50		10.50	18.06	19.50		16.00		15.00		10.50	98.26		
		40	5200	17.87	19.50		16.50		11.50		10.50	17.87	19.50		16.00		15.00		10.50			
		44	5220	17.86	19.50		16.50		11.50		10.50	17.86	19.50		16.00		15.00		10.50			
		48	5240	17.47	19.00		16.50		11.50		10.50	17.47	19.00		16.00		15.00		10.50			
	802.11n-HT20 MCS0	36	5180	17.85	19.50		16.50		11.50		10.50	17.85	19.50		16.00		15.00		10.50	98.14		
		40	5200	17.78	19.50		16.50		11.50		10.50	17.78	19.50		16.00		15.00		10.50			
		44	5220	17.77	19.50		16.50		11.50		10.50	17.77	19.50		16.00		15.00		10.50			
		48	5240	17.33	19.00	Not Required	16.50	Not Required	11.50	Not Required	10.50	17.33	19.00	Not Required	16.00	Not Required	15.00	Not Required	10.50			
	802.11n-HT40 MCS0	38	5190	18.24	19.50		16.50		11.50		10.50	18.24	19.50		16.00		15.00		10.50	96.30		
		46	5230	18.19	19.50		16.50		11.50		10.50	18.19	19.50		16.00		15.00		10.50			
	802.11ac-VHT20 MCS0	36	5180	17.62	19.50		16.50		11.50		10.50	17.62	19.50		16.00		15.00		10.50	98.15		
		40	5200	17.62	19.50		16.50		11.50		10.50	17.62	19.50		16.00		15.00		10.50			
		44	5220	17.78	19.50		16.50		11.50		10.50	17.78	19.50		16.00		15.00		10.50			
		48	5240	17.49	19.00		16.50		11.50		10.50	17.49	19.00		16.00		15.00		10.50			
	802.11ac-VHT40 MCS0	38	5190	17.35	19.00		16.50		11.50		10.50	17.35	19.00		16.00		15.00		10.50	96.30		
		46	5230	17.17	18.50		16.50		11.50		10.50	17.17	18.50		16.00		15.00		10.50			
	802.11ac-VHT80 MCS0	42	5210	16.15	17.00	15.20	16.50	10.27	11.50	9.67	10.50	16.15	17.00	14.95	16.00	13.61	15.00	9.67	10.50	92.17		

5.3GHz WLAN_AntB						Default Power		● AI-Head Power Table Standalone WLAN		● AI-Head Power Table Simultaneous WLAN+WWAN		● Handheld Reduced power table Standalone WLAN		● Handheld Reduced power table, Simultaneous WLAN+WWAN		● Body-Worn Power Table Standalone WLAN		● Body-Worn Power Table Simultaneous WLAN+WWAN		Duty Cycle %
	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	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.3GHz WLAN	802.11a 6Mbps	52	5260	17.84	19.50		16.50		11.50	17.84	19.50		16.00		15.00		10.50		98.26	
		56	5280	17.68	19.00		16.50		11.50	17.68	19.00		16.00		15.00		10.50			
		60	5300	17.71	19.00		16.50		11.50	17.71	19.00		16.00		15.00		10.50			
		64	5320	17.78	19.50		16.50		11.50	17.78	19.50		16.00		15.00		10.50			
	802.11n-HT20 MCS0	52	5260	17.88	19.50		16.50		11.50	17.88	19.50		16.00		15.00		10.50		98.14	
		56	5280	17.73	19.00		16.50		11.50	17.73	19.00		16.00		15.00		10.50			
		60	5300	17.60	19.00		16.50		11.50	17.60	19.00		16.00		15.00		10.50			
		64	5320	17.58	19.00		16.50		11.50	17.58	19.00		16.00		15.00		10.50			
	802.11n-HT40 MCS0	54	5270	17.89	19.50	Not Required	16.50		11.50	17.89	19.50	Not Required	16.00		15.00		10.50		96.30	
		62	5310	16.60	18.00		16.50		11.50	16.60	18.00		16.00		15.00		10.50			
	802.11ac-VHT20 MCS0	52	5260	17.89	19.50		16.50		11.50	17.89	19.50		16.00		15.00		10.50		98.15	
		56	5280	17.75	19.50		16.50		11.50	17.75	19.50		16.00		15.00		10.50			
		60	5300	17.62	19.00		16.50		11.50	17.62	19.00		16.00		15.00		10.50			
		64	5320	17.59	19.00		16.50		11.50	17.59	19.00		16.00		15.00		10.50			
	802.11ac-VHT40 MCS0	54	5270	16.88	18.50		16.50		11.50	16.88	18.50		16.00		15.00		10.50		96.30	
		62	5310	16.57	18.00		16.50		11.50	16.57	18.00		16.00		15.00		10.50			
	802.11ac-VHT80 MCS0	58	5290	15.51	17.00	15.05	16.50	10.14	11.50	15.51	17.00	14.49	16.00	13.28	15.00	8.94	10.50	92.17		

5.5GHz WLAN_AntB					Default Power		● AI-Head Power Table Standalone WLAN		● AI-Head Power Table Simultaneous WLAN+WWAN		● Handheld Reduced power table Standalone WLAN		● Handheld Reduced power table, Simultaneous WLAN+WWAN		● Body-Worn Power Table Standalone WLAN		● Body-Worn Power Table Simultaneous WLAN+WWAN		Duty Cycle %	
	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	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.99	19.50	Not Required	14.00	Not Required	9.00	17.99	19.50	Not Required	14.50	Not Required	12.50	Not Required	8.00	98.26		
		116	5580	17.73	19.00		14.00		9.00	17.73	19.00		14.50		8.00					
		124	5620	17.54	19.00		14.00		9.00	17.54	19.00		14.50		12.50		8.00			
		132	5660	17.93	19.50		14.00		9.00	17.93	19.50		14.50		12.50		8.00			
		140	5700	18.20	19.50		14.00		9.00	18.20	19.50		14.50		12.50		8.00			
		144	5720	18.18	19.50		14.00		9.00	18.18	19.50		14.50		12.50		8.00			
		100	5500	17.85	19.50		14.00		9.00	17.85	19.50		14.50		12.50		8.00			
		116	5580	17.53	19.00		14.00		9.00	17.53	19.00		14.50		12.50		8.00			
	802.11n-HT20 MCS0	124	5620	17.51	19.00		14.00		9.00	17.51	19.00		14.50		12.50		8.00	98.14		
		132	5660	17.72	19.00		14.00		9.00	17.72	19.00		14.50		12.50		8.00			
		140	5700	17.99	19.50		14.00		9.00	17.99	19.50		14.50		12.50		8.00			
		144	5720	17.94	19.50		14.00		9.00	17.94	19.50		14.50		12.50		8.00			
		102	5510	15.89	17.50		14.00		9.00	15.89	17.50		14.50		12.50		8.00			
		110	5550	17.70	19.00		14.00		9.00	17.70	19.00		14.50		12.50		8.00			
		802.11ac-VHT20 MCS0	126	5630	17.59		19.00		14.00	9.00	17.59		19.00		14.50		12.50		8.00	96.30
			134	5670	17.81		19.50		14.00	9.00	17.81		19.50		14.50		12.50		8.00	
	142		5710	18.28	19.50		14.00		9.00	18.28	19.50		14.50		12.50		8.00			
	100		5500	17.90	19.50		14.00		9.00	17.90	19.50		14.50		12.50		8.00			
	116		5580	17.56	19.00		14.00		9.00	17.56	19.00		14.50		12.50		8.00			
	124		5620	17.53	19.00		14.00		9.00	17.53	19.00		14.50		12.50		8.00			
	132		5660	17.73	19.00		14.00		9.00	17.73	19.00		14.50		12.50		8.00			
	140		5700	18.01	19.50		14.00		9.00	18.01	19.50		14.50		12.50		8.00			
	802.11ac-VHT20 MCS0	144	5720	18.00	19.50		14.00		9.00	18.00	19.50		14.50		12.50		8.00	98.15		
		102	5510	15.85	17.50		14.00		9.00	15.85	17.50		14.50		12.50		8.00			
		110	5550	16.80	18.50		14.00		9.00	16.80	18.50		14.50		12.50		8.00			
		126	5630	16.62	18.00		14.00		9.00	16.62	18.00		14.50		12.50		8.00			
134		5670	16.81	18.50	14.00	9.00	16.81	18.50	14.50	12.50	8.00									
142		5710	17.34	19.00	14.00	9.00	17.34	19.00	14.50	12.50	8.00									
802.11ac-VHT40 MCS0		106	5530	13.92	15.50	12.27	14.00	7.34	9.00	13.92	15.50	12.80	14.50	10.70	12.50	6.20	8.00		92.17	
		122	5610	15.20	16.50	12.80	14.00	7.79	9.00	15.20	16.50	13.34	14.50	11.12	12.50	6.61	8.00			
	138	5690	15.90	17.50	12.46	14.00	7.15	9.00	15.90	17.50	12.85	14.50	11.00	12.50	6.42	8.00				

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	11.44	12.43	12.55	9.23	9.06	8.65	9.36	9.13	8.77	13.00
	CH 39	2441	11.57	11.80	11.89	9.02	8.70	8.29	9.43	9.04	8.88	
	CH 78	2480	11.79	12.07	12.36	9.41	9.18	8.77	9.55	9.16	8.98	

BT LE 1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	1.49
	CH 19	2440	1.58
	CH 39	2480	2.61
Tune-up Limit			3.00

BT LE 2M

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	1.49	1.45
	CH 19	2440	1.58	1.61
	CH 39	2480	2.61	2.64
Tune-up Limit			3.00	