



Full & Default Power

Band 7_Ant 4											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20850	21100	21350					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	22.63	22.97	22.85	24	0			
20	QPSK	1	49	22.73	22.95	22.73					
20	QPSK	1	99	22.72	22.89	22.81					
20	QPSK	50	0	21.90	21.91	21.81					
20	QPSK	50	24	21.75	21.90	21.80					
20	QPSK	50	50	21.70	21.82	21.74	23	1			
20	QPSK	100	0	21.82	21.88	21.78					
20	16QAM	1	0	21.58	21.71	21.62					
20	16QAM	1	49	21.69	21.70	21.58					
20	16QAM	1	99	21.56	21.66	21.59					
20	16QAM	50	0	20.40	20.49	20.40	22	2			
20	16QAM	50	24	20.42	20.57	20.43					
20	16QAM	50	50	20.40	20.55	20.40					
20	16QAM	100	0	20.59	20.77	20.57					
20	64QAM	1	0	20.44	20.55	20.45					
20	64QAM	1	49	20.46	20.52	20.42	22	2			
20	64QAM	1	99	20.46	20.46	20.44					
20	64QAM	50	0	19.25	19.43	19.36					
20	64QAM	50	24	19.28	19.47	19.30					
20	64QAM	50	50	19.33	19.41	19.28					
20	64QAM	100	0	19.45	19.68	19.46	21	3			
20	256QAM	1	0	17.15	17.42	17.24					
20	256QAM	1	49	17.18	17.42	17.25					
20	256QAM	1	99	17.18	17.36	17.16					
20	256QAM	50	0	17.34	17.58	17.44					
20	256QAM	50	24	17.14	17.39	17.35	19	5			
20	256QAM	50	50	17.21	17.45	17.20					
20	256QAM	100	0	17.19	17.34	17.16					
Channel				20825	21100	21375					
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	22.67	22.82	22.72	24	0			
15	QPSK	1	37	22.58	22.74	22.61					
15	QPSK	1	74	22.48	22.70	22.58					
15	QPSK	36	0	21.65	21.71	21.59					
15	QPSK	36	20	21.51	21.67	21.59					
15	QPSK	36	39	21.50	21.60	21.62	23	1			
15	QPSK	75	0	21.65	21.64	21.56					
15	16QAM	1	0	21.34	21.46	21.38					
15	16QAM	1	37	21.42	21.58	21.40					
15	16QAM	1	74	21.42	21.52	21.37					
15	16QAM	36	0	20.25	20.34	20.20	22	2			
15	16QAM	36	20	20.21	20.32	20.29					
15	16QAM	36	39	20.38	20.42	20.33					
15	16QAM	75	0	20.61	20.75	20.53					
15	64QAM	1	0	20.49	20.48	20.39					
15	64QAM	1	37	20.43	20.50	20.45	22	2			
15	64QAM	1	74	20.49	20.38	20.49					
15	64QAM	36	0	19.23	19.45	19.36					
15	64QAM	36	20	19.31	19.50	19.25					
15	64QAM	36	39	19.31	19.34	19.27					
15	64QAM	75	0	19.45	19.70	19.39	21	3			
15	256QAM	1	0	17.14	17.47	17.17					
15	256QAM	1	37	17.13	17.46	17.25					
15	256QAM	1	74	17.15	17.37	17.08					
15	256QAM	36	0	17.32	17.60	17.38					
15	256QAM	36	20	17.13	17.36	17.28	19	5			
15	256QAM	36	39	17.17	17.40	17.23					
15	256QAM	75	0	17.11	17.32	17.10					
Channel				20800	21100	21400					
Frequency (MHz)				2595	2636	2685					
10	QPSK	1	0	22.58	22.86	22.74	24	0			
10	QPSK	1	25	22.55	22.70	22.52					
10	QPSK	1	49	22.96	22.77	22.56					
10	QPSK	25	0	21.62	21.74	21.66					
10	QPSK	25	12	21.50	21.67	21.62					
10	QPSK	25	25	21.56	21.61	21.57	23	1			
10	QPSK	50	0	21.69	21.65	21.60					
10	16QAM	1	0	21.47	21.51	21.38					
10	16QAM	1	25	21.44	21.50	21.36					
10	16QAM	1	49	21.44	21.44	21.36					
10	16QAM	25	0	20.15	20.30	20.20	22	2			
10	16QAM	25	12	20.22	20.45	20.27					
10	16QAM	25	25	20.41	20.34	20.32					
10	16QAM	50	0	20.55	20.71	20.59					
10	64QAM	1	0	20.39	20.48	20.36					
10	64QAM	1	25	20.42	20.57	20.44	22	2			
10	64QAM	1	49	20.42	20.43	20.46					
10	64QAM	25	0	19.28	19.48	19.28					
10	64QAM	25	12	19.23	19.50	19.34					
10	64QAM	25	25	19.36	19.34	19.20					
10	64QAM	50	0	19.44	19.67	19.37	21	3			
10	256QAM	1	0	17.13	17.36	17.21					
10	256QAM	1	25	17.09	17.46	17.28					
10	256QAM	1	49	17.11	17.41	17.21					
10	256QAM	25	0	17.30	17.62	17.38					
10	256QAM	25	12	17.17	17.40	17.30	19	5			
10	256QAM	25	25	17.24	17.46	17.22					
10	256QAM	50	0	17.13	17.36	17.09					
Channel				20775	21100	21425					
Frequency (MHz)				2502.5	2538	2567.5					
5	QPSK	1	0	22.61	22.82	22.62	24	0			
5	QPSK	1	12	22.50	22.76	22.60					
5	QPSK	1	24	22.56	22.67	22.70					
5	QPSK	12	0	21.69	21.79	21.68					
5	QPSK	12	7	21.69	21.73	21.57					
5	QPSK	12	13	21.54	21.63	21.61	23	1			
5	QPSK	25	0	21.61	21.65	21.56					
5	16QAM	1	0	21.46	21.60	21.45					
5	16QAM	1	12	21.48	21.46	21.35					
5	16QAM	1	24	21.36	21.48	21.35					
5	16QAM	12	0	20.27	20.29	20.29	22	2			
5	16QAM	12	7	20.27	20.45	20.22					
5	16QAM	12	13	20.36	20.35	20.38					
5	16QAM	25	0	20.61	20.74	20.57					
5	64QAM	1	0	20.37	20.53	20.38					
5	64QAM	1	12	20.47	20.49	20.43	22	2			
5	64QAM	1	24	20.38	20.41	20.35					
5	64QAM	12	0	19.19	19.35	19.31					
5	64QAM	12	7	19.27	19.39	19.25					
5	64QAM	12	13	19.31	19.43	19.22					
5	64QAM	25	0	19.90	19.67	19.38	21	3			
5	256QAM	1	0	17.18	17.40	17.19					
5	256QAM	1	12	17.15	17.36	17.28					
5	256QAM	1	24	17.19	17.41	17.09					
5	256QAM	12	0	17.38	17.62	17.48					
5	256QAM	12	7	17.18	17.41	17.36	19	5			
5	256QAM	12	13	17.20	17.45	17.17					
5	256QAM	25	0	17.10	17.26	17.20					



Band 38_Ant 1(ENDC)									
W (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Min Ch./Freq.	Power Max Ch./Freq.	Tuning Unit (dB)	SPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.52	22.52	22.52			
20	QPSK	1	48	22.37	22.43	22.42	24	0	
20	QPSK	1	96	22.46	22.52	22.52			
20	QPSK	50	0	21.27	21.24	21.19			
20	QPSK	50	24	21.55	21.25	21.17	23	1	
20	QPSK	50	50	21.20	21.28	21.16			
20	QPSK	100	0	21.75	21.75	21.75			
20	16QAM	1	0	21.75	21.69	21.65			
20	16QAM	1	48	21.62	21.71	21.65	23	1	
20	16QAM	1	96	21.51	21.60	21.55			
20	16QAM	50	0	20.84	20.76	20.74			
20	16QAM	50	24	20.15	20.25	20.23	22	2	
20	16QAM	50	50	20.22	20.27	20.24			
20	16QAM	100	0	20.95	20.13	20.11			
20	16QAM	1	0	20.95	20.27	20.24			
20	16QAM	1	48	20.35	20.37	20.37	22	2	
20	16QAM	1	96	20.24	20.26	20.26			
20	16QAM	50	0	19.12	19.21	19.17			
20	16QAM	50	24	19.16	19.26	19.27	21	3	
20	16QAM	50	50	19.21	19.28	19.22			
20	16QAM	100	0	19.12	19.21	19.15			
20	25QAM	1	0	17.30	17.38	17.36			
20	25QAM	1	48	17.32	17.26	17.26	19	5	
20	25QAM	1	96	17.34	17.41	17.41			
20	25QAM	50	0	17.15	17.25	17.21			
20	25QAM	50	24	17.08	17.18	17.07	19	5	
20	25QAM	50	50	17.22	17.25	17.24			
20	25QAM	100	0	17.02	17.11	17.07			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.12	22.12	22.12			
15	QPSK	1	37	22.32	22.38	22.40	24	0	
15	QPSK	1	74	22.45	22.52	22.52			
15	QPSK	36	0	21.31	21.33	21.31			
15	QPSK	36	24	21.32	21.11	21.03	23	1	
15	QPSK	36	39	21.19	21.28	21.14			
15	QPSK	72	0	21.66	21.66	21.66			
15	16QAM	1	0	21.64	21.62	21.59			
15	16QAM	1	37	21.53	21.62	21.57	23	1	
15	16QAM	1	74	21.50	21.58	21.57			
15	16QAM	36	0	20.10	20.15	20.15			
15	16QAM	36	20	20.07	20.18	20.16	22	2	
15	16QAM	36	36	20.02	20.12	20.09			
15	16QAM	72	0	20.07	20.15	20.15			
15	16QAM	1	0	20.07	20.12	20.09			
15	16QAM	1	37	20.45	20.35	20.28	22	2	
15	16QAM	1	74	20.33	20.35	20.35			
15	16QAM	36	0	19.04	19.15	19.04			
15	16QAM	36	20	19.02	19.25	19.25	21	3	
15	16QAM	36	39	19.11	19.28	19.12			
15	16QAM	72	0	19.02	19.15	19.08			
15	25QAM	1	0	17.34	17.27	17.26			
15	25QAM	1	37	17.32	17.41	17.41	19	5	
15	25QAM	1	74	17.27	17.31	17.31			
15	25QAM	36	0	17.05	17.15	17.12			
15	25QAM	36	20	17.11	17.18	17.08	19	5	
15	25QAM	36	39	17.15	17.25	17.25			
15	25QAM	72	0	17.00	17.02	17.02			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.15	22.15	22.15			
10	QPSK	1	25	22.36	22.45	22.45	24	0	
10	QPSK	1	49	22.46	22.55	22.55			
10	QPSK	25	0	21.22	21.32	21.31			
10	QPSK	25	20	21.14	21.25	21.23	23	1	
10	QPSK	25	25	21.18	21.29	21.27			
10	QPSK	50	0	21.68	21.71	21.71			
10	16QAM	1	0	21.75	21.68	21.68			
10	16QAM	1	25	21.63	21.74	21.69	23	1	
10	16QAM	1	49	21.63	21.74	21.69			
10	16QAM	25	0	20.12	20.23	20.23			
10	16QAM	25	12	20.10	20.20	20.18	22	2	
10	16QAM	25	24	20.02	20.14	20.12			
10	16QAM	50	0	20.02	20.16	20.15			
10	16QAM	1	0	20.02	20.16	20.15			
10	16QAM	1	25	20.38	20.27	20.27	22	2	
10	16QAM	1	49	20.33	20.35	20.35			
10	16QAM	25	0	19.10	19.25	19.11			
10	16QAM	25	12	19.11	19.25	19.12	21	3	
10	16QAM	25	24	19.17	19.25	19.17			
10	25QAM	1	0	17.34	17.34	17.34			
10	25QAM	1	25	17.32	17.25	17.25	19	5	
10	25QAM	1	49	17.24	17.30	17.41			
10	25QAM	25	0	17.00	17.15	17.12			
10	25QAM	25	12	17.08	17.13	17.08	19	5	
10	25QAM	25	24	17.13	17.22	17.13			
10	25QAM	50	0	17.04	17.00	17.11			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.12	22.12	22.12			
5	QPSK	1	12	22.37	22.38	22.38	24	0	
5	QPSK	1	24	22.45	22.45	22.45			
5	QPSK	12	0	21.20	21.34	21.19			
5	QPSK	12	7	21.19	21.24	21.20	23	1	
5	QPSK	12	13	21.19	21.24	21.20			
5	16QAM	1	0	21.75	21.64	21.62			
5	16QAM	1	12	21.63	21.71	21.65	23	1	
5	16QAM	1	24	21.62	21.68	21.65			
5	16QAM	12	0	20.12	20.16	20.16			
5	16QAM	12	7	20.12	20.24	20.22	22	2	
5	16QAM	12	13	20.07	20.16	20.13			
5	16QAM	25	0	20.04	20.15	20.16			
5	16QAM	1	0	20.04	20.14	20.13			
5	16QAM	1	12	20.29	20.34	20.33	22	2	
5	16QAM	1	24	20.29	20.34	20.33			
5	16QAM	12	0	19.07	19.13	19.13			
5	16QAM	12	7	19.13	19.25	19.13	21	3	
5	16QAM	12	13	19.23	19.25	19.13			
5	25QAM	1	0	17.32	17.31	17.31			
5	25QAM	1	12	17.30	17.41	17.41	19	5	
5	25QAM	1	24	17.25	17.25	17.41			
5	25QAM	12	0	17.08	17.13	17.05			
5	25QAM	12	7	17.12	17.21	17.05	19	5	
5	25QAM	12	13	17.16	17.21	17.05			
5	25QAM	25	0	17.00	17.07	17.07			

Band 38_Ant 4									
W (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Min Ch./Freq.	Power Max Ch./Freq.	Tuning Unit (dB)	SPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.52	22.52	22.52			
20	QPSK	1	48	22.37	22.43	22.42	24	0	
20	QPSK	1	96	22.46	22.52	22.52			
20	QPSK	50	0	21.27	21.24	21.19			
20	QPSK	50	24	21.55	21.25	21.17	23	1	
20	QPSK	50	50	21.20	21.28	21.16			
20	QPSK	100	0	21.75	21.75	21.75			
20	16QAM	1	0	21.75	21.69	21.67			
20	16QAM	1	48	21.62	21.71	21.67	23	1	
20	16QAM	1	96	21.51	21.60	21.57			
20	16QAM	50	0	20.84	20.76	20.74			
20	16QAM	50	24	20.15	20.25	20.23	22	2	
20	16QAM	50	50	20.22	20.27	20.24			
20	16QAM	100	0	20.95	20.13	20.11			
20	16QAM	1	0	20.95	20.27	20.24			
20	16QAM	1	48	20.35	20.37	20.37	22	2	
20	16QAM	1	96	20.24	20.26	20.26			
20	16QAM	50	0	19.12	19.21	19.17			
20	16QAM	50	24	19.16	19.26	19.27	21	3	
20	16QAM	50	50	19.21	19.28	19.22			
20	16QAM	100	0	19.12	19.21	19.15			
20	25QAM	1	0	17.30	17.38	17.36			
20	25QAM	1	48	17.32	17.26	17.26	19	5	
20	25QAM								



Band 41_Ant 1(ENDC)

Band	Modulation	RB Size	RB Offset	Power Low Ch/Freq	Power Low-Mid Ch/Freq	Power High-Mid Ch/Freq	Power High Ch/Freq	Power High-Mid Ch/Freq	Power High Ch/Freq	Timing Slot (dBm)	MFR (dB)
Channel											
Frequency (MHz)											
30	OFDM	1	0	22.93	22.93	22.93	22.93	22.93	22.93	24	0
30	OFDM	1	48	22.76	22.76	22.76	22.76	22.76	22.76	24	0
30	OFDM	1	96	22.59	22.59	22.59	22.59	22.59	22.59	24	0
30	OFDM	50	0	21.86	21.84	21.83	21.73	21.63	21.53	23	1
30	OFDM	50	48	21.69	21.67	21.66	21.57	21.47	21.37	23	1
30	OFDM	50	96	21.52	21.50	21.49	21.40	21.30	21.20	23	1
30	OFDM	100	0	21.35	21.33	21.32	21.23	21.13	21.03	23	1
30	OFDM	100	48	21.18	21.16	21.15	21.06	20.96	20.86	23	1
30	OFDM	100	96	21.01	20.99	20.98	20.89	20.79	20.69	23	1
30	OFDM	100	144	20.84	20.82	20.81	20.72	20.62	20.52	22	2
30	OFDM	100	192	20.67	20.65	20.64	20.55	20.45	20.35	22	2
30	OFDM	100	240	20.50	20.48	20.47	20.38	20.28	20.18	22	2
30	OFDM	100	288	20.33	20.31	20.30	20.21	20.11	20.01	21	3
30	OFDM	100	336	20.16	20.14	20.13	20.04	19.94	19.84	19	5
30	OFDM	100	384	19.99	19.97	19.96	19.87	19.77	19.67	19	5
30	OFDM	100	432	19.82	19.80	19.79	19.70	19.60	19.50	19	5
30	OFDM	100	480	19.65	19.63	19.62	19.53	19.43	19.33	19	5
30	OFDM	100	528	19.48	19.46	19.45	19.36	19.26	19.16	19	5
30	OFDM	100	576	19.31	19.29	19.28	19.19	19.09	18.99	19	5
30	OFDM	100	624	19.14	19.12	19.11	19.02	18.92	18.82	19	5
30	OFDM	100	672	18.97	18.95	18.94	18.85	18.75	18.65	19	5
30	OFDM	100	720	18.80	18.78	18.77	18.68	18.58	18.48	19	5
30	OFDM	100	768	18.63	18.61	18.60	18.51	18.41	18.31	19	5
30	OFDM	100	816	18.46	18.44	18.43	18.34	18.24	18.14	19	5
30	OFDM	100	864	18.29	18.27	18.26	18.17	18.07	17.97	19	5
30	OFDM	100	912	18.12	18.10	18.09	18.00	17.90	17.80	19	5
30	OFDM	100	960	17.95	17.93	17.92	17.83	17.73	17.63	19	5
30	OFDM	100	1008	17.78	17.76	17.75	17.66	17.56	17.46	19	5
30	OFDM	100	1056	17.61	17.59	17.58	17.49	17.39	17.29	19	5
30	OFDM	100	1104	17.44	17.42	17.41	17.32	17.22	17.12	19	5
30	OFDM	100	1152	17.27	17.25	17.24	17.15	17.05	16.95	19	5
30	OFDM	100	1200	17.10	17.08	17.07	16.98	16.88	16.78	19	5
30	OFDM	100	1248	16.93	16.91	16.90	16.81	16.71	16.61	19	5
30	OFDM	100	1296	16.76	16.74	16.73	16.64	16.54	16.44	19	5
30	OFDM	100	1344	16.59	16.57	16.56	16.47	16.37	16.27	19	5
30	OFDM	100	1392	16.42	16.40	16.39	16.30	16.20	16.10	19	5
30	OFDM	100	1440	16.25	16.23	16.22	16.13	16.03	15.93	19	5
30	OFDM	100	1488	16.08	16.06	16.05	15.96	15.86	15.76	19	5
30	OFDM	100	1536	15.91	15.89	15.88	15.79	15.69	15.59	19	5
30	OFDM	100	1584	15.74	15.72	15.71	15.62	15.52	15.42	19	5
30	OFDM	100	1632	15.57	15.55	15.54	15.45	15.35	15.25	19	5
30	OFDM	100	1680	15.40	15.38	15.37	15.28	15.18	15.08	19	5
30	OFDM	100	1728	15.23	15.21	15.20	15.11	15.01	14.91	19	5
30	OFDM	100	1776	15.06	15.04	15.03	14.94	14.84	14.74	19	5
30	OFDM	100	1824	14.89	14.87	14.86	14.77	14.67	14.57	19	5
30	OFDM	100	1872	14.72	14.70	14.69	14.60	14.50	14.40	19	5
30	OFDM	100	1920	14.55	14.53	14.52	14.43	14.33	14.23	19	5
30	OFDM	100	1968	14.38	14.36	14.35	14.26	14.16	14.06	19	5
30	OFDM	100	2016	14.21	14.19	14.18	14.09	13.99	13.89	19	5
30	OFDM	100	2064	14.04	14.02	14.01	13.92	13.82	13.72	19	5
30	OFDM	100	2112	13.87	13.85	13.84	13.75	13.65	13.55	19	5
30	OFDM	100	2160	13.70	13.68	13.67	13.58	13.48	13.38	19	5
30	OFDM	100	2208	13.53	13.51	13.50	13.41	13.31	13.21	19	5
30	OFDM	100	2256	13.36	13.34	13.33	13.24	13.14	13.04	19	5
30	OFDM	100	2304	13.19	13.17	13.16	13.07	12.97	12.87	19	5
30	OFDM	100	2352	13.02	13.00	12.99	12.90	12.80	12.70	19	5
30	OFDM	100	2400	12.85	12.83	12.82	12.73	12.63	12.53	19	5
30	OFDM	100	2448	12.68	12.66	12.65	12.56	12.46	12.36	19	5
30	OFDM	100	2496	12.51	12.49	12.48	12.39	12.29	12.19	19	5
30	OFDM	100	2544	12.34	12.32	12.31	12.22	12.12	12.02	19	5
30	OFDM	100	2592	12.17	12.15	12.14	12.05	11.95	11.85	19	5
30	OFDM	100	2640	12.00	11.98	11.97	11.88	11.78	11.68	19	5
30	OFDM	100	2688	11.83	11.81	11.80	11.71	11.61	11.51	19	5
30	OFDM	100	2736	11.66	11.64	11.63	11.54	11.44	11.34	19	5
30	OFDM	100	2784	11.49	11.47	11.46	11.37	11.27	11.17	19	5
30	OFDM	100	2832	11.32	11.30	11.29	11.20	11.10	11.00	19	5
30	OFDM	100	2880	11.15	11.13	11.12	11.03	10.93	10.83	19	5
30	OFDM	100	2928	10.98	10.96	10.95	10.86	10.76	10.66	19	5
30	OFDM	100	2976	10.81	10.79	10.78	10.69	10.59	10.49	19	5
30	OFDM	100	3024	10.64	10.62	10.61	10.52	10.42	10.32	19	5
30	OFDM	100	3072	10.47	10.45	10.44	10.35	10.25	10.15	19	5
30	OFDM	100	3120	10.30	10.28	10.27	10.18	10.08	9.98	19	5
30	OFDM	100	3168	10.13	10.11	10.10	10.01	9.91	9.81	19	5
30	OFDM	100	3216	9.96	9.94	9.93	9.84	9.74	9.64	19	5
30	OFDM	100	3264	9.79	9.77	9.76	9.67	9.57	9.47	19	5
30	OFDM	100	3312	9.62	9.60	9.59	9.50	9.40	9.30	19	5
30	OFDM	100	3360	9.45	9.43	9.42	9.33	9.23	9.13	19	5
30	OFDM	100	3408	9.28	9.26	9.25	9.16	9.06	8.96	19	5
30	OFDM	100	3456	9.11	9.09	9.08	8.99	8.89	8.79	19	5
30	OFDM	100	3504	8.94	8.92	8.91	8.82	8.72	8.62	19	5
30	OFDM	100	3552	8.77	8.75	8.74	8.65	8.55	8.45	19	5
30	OFDM	100	3600	8.60	8.58	8.57	8.48	8.38	8.28	19	5
30	OFDM	100	3648	8.43	8.41	8.40	8.31	8.21	8.11	19	5
30	OFDM	100	3696	8.26	8.24	8.23	8.14	8.04	7.94	19	5
30	OFDM	100	3744	8.09	8.07	8.06	7.97	7.87	7.77	19	5
30	OFDM	100	3792	7.92	7.90	7.89	7.80	7.70	7.60	19	5
30	OFDM	100	3840	7.75	7.73	7.72	7.63	7.53	7.43	19	5
30	OFDM	100	3888	7.58	7.56	7.55	7.46	7.36	7.26	19	5
30	OFDM	100	3936	7.41	7.39	7.38	7.29	7.19	7.09	19	5
30	OFDM	100	3984	7.24	7.22	7.21	7.12	7.02	6.92	19	5
30	OFDM	100	4032	7.07	7.05	7.04	6.95	6.85	6.75	19	5
30	OFDM	100	4080	6.90	6.88	6.87	6.78	6.68	6.58	19	5
30	OFDM	100	4128	6.73	6.71	6.70	6.61	6.51	6.41	19	5
30	OFDM	100	4176	6.56	6.54	6.53	6.44	6.34	6.24	19	5
30	OFDM	100	4224	6.39	6.37	6.36	6.27	6.17	6.07	19	5
30	OFDM	100	4272	6.22	6.20	6.19	6.10	6.00	5.90	19	5
30	OFDM	100	4320	6.05	6.03	6.02	5.93	5.83	5.73	19	5
30	OFDM	100	4368	5.88	5.86	5.85	5.76	5.66	5.56	19	5
30	OFDM	100	4416	5.71	5.69	5.68	5.59	5.49	5.39	19	5
30	OFDM	100	4464	5.54	5.52	5.51	5.42	5.32	5.22	19	5



Reduced Power for DSI 2

Band 7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	15.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	14.31	14.46	14.27	15.5	0	
20	QPSK	1	49	14.17	14.37	14.14			
20	QPSK	1	99	14.19	14.27	14.24			
20	QPSK	50	0	14.24	14.45	14.25	15.5	0	
20	QPSK	50	24	14.15	14.33	14.19			
20	QPSK	50	50	14.20	14.29	14.24			
20	QPSK	100	0	14.21	14.41	14.26	15.5	0	
20	16QAM	1	0	14.11	14.33	14.13			
20	16QAM	1	49	14.19	14.38	14.30			
20	16QAM	1	99	14.09	14.35	14.19	15.5	0	
20	16QAM	50	0	14.21	14.34	14.33			
20	16QAM	50	24	14.19	14.43	14.22			
20	16QAM	50	50	14.13	14.34	14.29	15.5	0	
20	16QAM	100	0	14.22	14.36	14.21			
20	64QAM	1	0	14.13	14.34	14.21			
20	64QAM	1	49	14.08	14.37	14.17	15.5	0	
20	64QAM	1	99	14.19	14.35	14.24			
20	64QAM	50	0	14.20	14.38	14.15			
20	64QAM	50	24	14.14	14.38	14.30	15.5	0	
20	64QAM	50	50	14.21	14.34	14.31			
20	64QAM	100	0	14.18	14.44	14.22			
20	256QAM	1	0	14.14	14.32	14.20	15.5	0	
20	256QAM	1	49	14.23	14.36	14.32			
20	256QAM	1	99	14.09	14.36	14.11			
20	256QAM	50	0	14.08	14.32	14.30	15.5	0	
20	256QAM	50	24	14.21	14.40	14.29			
20	256QAM	50	50	14.17	14.30	14.20			
20	256QAM	100	0	14.17	14.33	14.26			
Channel				20825	21100	21375	15.5	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	14.20	14.35	14.16	15.5	0	
15	QPSK	1	37	14.02	14.33	14.02			
15	QPSK	1	74	14.05	14.23	14.20			
15	QPSK	36	0	14.18	14.34	14.10	15.5	0	
15	QPSK	36	20	13.97	14.30	14.09			
15	QPSK	36	39	14.11	14.18	14.15			
15	QPSK	75	0	14.17	14.29	14.12	15.5	0	
15	16QAM	1	0	14.08	14.31	13.88			
15	16QAM	1	37	14.17	14.31	14.24			
15	16QAM	1	74	14.02	14.23	14.08	15.5	0	
15	16QAM	36	0	14.06	14.32	14.23			
15	16QAM	36	20	14.10	14.39	14.17			
15	16QAM	36	39	14.18	14.25	14.44	15.5	0	
15	16QAM	75	0	14.26	14.38	14.23			
15	64QAM	1	0	14.26	14.44	14.33			
15	64QAM	1	37	14.15	14.40	14.23	15.5	0	
15	64QAM	1	74	14.22	14.36	14.29			
15	64QAM	36	0	14.31	14.39	14.17			
15	64QAM	36	20	14.21	14.44	14.42	15.5	0	
15	64QAM	36	39	14.36	14.43	14.43			
15	64QAM	75	0	14.19	14.31	14.32			
15	256QAM	1	0	14.29	14.37	14.27	15.5	0	
15	256QAM	1	37	14.36	14.42	14.36			
15	256QAM	1	74	14.12	14.37	14.13			
15	256QAM	36	0	14.11	14.36	14.37	15.5	0	
15	256QAM	36	20	14.32	14.37	14.32			
15	256QAM	36	39	14.20	14.45	14.28			
15	256QAM	75	0	14.18	14.30	14.33			
Channel				20800	21100	21400	15.5	0	
Frequency (MHz)				2565	2535	2565			
10	QPSK	1	0	14.30	14.42	14.24	15.5	0	
10	QPSK	1	25	14.04	14.33	14.04			
10	QPSK	1	49	14.08	14.19	14.11			
10	QPSK	25	0	14.14	14.32	14.17	15.5	0	
10	QPSK	25	12	14.08	14.30	14.13			
10	QPSK	25	25	14.17	14.20	14.17			
10	QPSK	50	0	14.17	14.39	14.20	15.5	0	
10	16QAM	1	0	14.10	14.22	14.09			
10	16QAM	1	25	14.05	14.36	14.20			
10	16QAM	1	49	14.04	14.31	14.12	15.5	0	
10	16QAM	25	0	14.11	14.23	14.24			
10	16QAM	25	12	14.06	14.33	14.09			
10	16QAM	25	25	14.17	14.19	14.38	15.5	0	
10	16QAM	50	0	14.23	14.38	14.30			
10	64QAM	1	0	14.20	14.36	14.32			
10	64QAM	1	25	14.12	14.43	14.23	15.5	0	
10	64QAM	1	49	14.21	14.23	14.30			
10	64QAM	25	0	14.29	14.42	14.25			
10	64QAM	25	12	14.26	14.29	14.32	15.5	0	
10	64QAM	25	25	14.26	14.37	14.43			
10	64QAM	50	0	14.30	14.37	14.28			
10	256QAM	1	0	14.18	14.39	14.32	15.5	0	
10	256QAM	1	25	14.27	14.39	14.33			
10	256QAM	1	49	14.16	14.41	14.13			
10	256QAM	25	0	14.23	14.12	14.35	15.5	0	
10	256QAM	25	12	14.24	14.41	14.41			
10	256QAM	25	25	14.22	14.44	14.29			
10	256QAM	50	0	14.25	14.39	14.40			
Channel				20775	21100	21425	15.5	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	14.29	14.36	14.20	15.5	0	
5	QPSK	1	12	14.05	14.35	14.00			
5	QPSK	1	24	14.11	14.23	14.12			
5	QPSK	12	0	14.20	14.35	14.18	15.5	0	
5	QPSK	12	7	14.11	14.24	14.17			
5	QPSK	12	13	14.17	14.25	14.16			
5	QPSK	25	0	14.20	14.27	14.17	15.5	0	
5	16QAM	1	0	14.00	14.20	14.12			
5	16QAM	1	12	14.12	14.27	14.22			
5	16QAM	1	24	14.04	14.29	14.09	15.5	0	
5	16QAM	12	0	14.09	14.21	14.19			
5	16QAM	12	7	14.07	14.35	14.18			
5	16QAM	12	13	14.26	14.20	14.41	15.5	0	
5	16QAM	25	0	14.24	14.45	14.26			
5	64QAM	1	0	14.23	14.46	14.26			
5	64QAM	1	12	14.11	14.45	14.27	15.5	0	
5	64QAM	1	24	14.23	14.12	14.34			
5	64QAM	12	0	14.27	14.37	14.20			
5	64QAM	12	7	14.29	14.00	14.35	15.5	0	
5	64QAM	12	13	14.36	14.36	14.35			
5	64QAM	25	0	14.32	14.41	14.34			
5	256QAM	1	0	14.26	14.41	14.25	15.5	0	
5	256QAM	1	12	14.31	14.41	14.40			
5	256QAM	1	24	14.17	14.38	14.13			
5	256QAM	12	0	14.19	14.43	14.32	15.5	0	
5	256QAM	12	7	14.23	14.24	14.41			
5	256QAM	12	13	14.20	14.33	14.33			
5	256QAM	25	0	14.22	14.41	14.29			



Band 38_Ant 1(ENDC)									
EW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Max Ch./Freq.	Power Min Ch./Freq.	Tuning Unit (dBm)	MPV (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.52	22.52	22.52			
20	QPSK	1	48	22.37	22.43	22.42	24	0	
20	QPSK	1	96	22.46	22.46	22.46			
20	QPSK	50	0	21.27	21.24	21.19			
20	QPSK	50	24	21.55	21.25	21.17	23	1	
20	QPSK	50	50	21.20	21.20	21.16			
20	QPSK	100	0	21.75	21.75	21.75			
20	16QAM	1	0	21.75	21.69	21.49			
20	16QAM	1	48	21.62	21.71	21.68	23	1	
20	16QAM	1	96	21.51	21.60	21.59			
20	16QAM	50	0	20.84	20.76	20.78			
20	16QAM	50	24	20.15	20.25	20.23	22	2	
20	16QAM	50	50	20.22	20.27	20.26			
20	16QAM	100	0	20.95	20.13	20.11			
20	16QAM	1	0	20.31	20.27	20.24			
20	16QAM	1	48	20.35	20.37	20.37	22	2	
20	16QAM	1	96	20.24	20.26	20.26			
20	16QAM	50	0	19.12	19.21	19.17			
20	16QAM	50	24	19.16	19.28	19.27	21	3	
20	16QAM	50	50	19.21	19.28	19.29			
20	16QAM	100	0	19.12	19.21	19.19			
20	16QAM	1	0	17.30	17.38	17.36			
20	16QAM	1	48	17.36	17.28	17.28	19	5	
20	16QAM	1	96	17.34	17.41	17.41			
20	16QAM	50	0	17.15	17.25	17.21			
20	16QAM	50	24	17.08	17.18	17.07	19	5	
20	16QAM	50	50	17.22	17.25	17.24			
20	16QAM	100	0	17.02	17.11	17.07			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.12	22.12	22.12			
15	QPSK	1	37	22.32	22.36	22.40	24	0	
15	QPSK	1	74	22.40	22.40	22.40			
15	QPSK	36	0	21.31	21.33	21.33			
15	QPSK	36	24	21.32	21.11	21.07	23	1	
15	QPSK	36	30	21.19	21.28	21.14			
15	QPSK	72	0	21.66	21.66	21.66			
15	16QAM	1	0	21.64	21.62	21.49			
15	16QAM	1	37	21.53	21.63	21.63	23	1	
15	16QAM	1	74	21.50	21.58	21.57			
15	16QAM	36	0	20.15	20.15	20.15			
15	16QAM	36	20	20.07	20.18	20.19	22	2	
15	16QAM	36	30	20.02	20.12	20.12			
15	16QAM	72	0	20.07	20.15	20.15			
15	16QAM	1	0	19.11	19.11	19.11			
15	16QAM	1	37	19.45	19.30	19.28	22	2	
15	16QAM	1	74	19.33	19.33	19.34			
15	16QAM	36	0	18.04	18.15	18.04			
15	16QAM	36	20	18.11	18.28	18.12	21	3	
15	16QAM	36	30	18.11	18.28	18.12			
15	16QAM	72	0	17.34	17.27	17.16			
15	16QAM	1	0	17.32	17.41	17.41			
15	16QAM	1	37	17.27	17.31	17.31	19	5	
15	16QAM	1	74	17.27	17.31	17.31			
15	16QAM	36	0	16.05	16.15	16.15			
15	16QAM	36	20	16.11	16.10	16.08	19	5	
15	16QAM	36	30	16.15	16.15	16.15			
15	16QAM	72	0	16.09	16.02	16.08			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.12	22.12	22.12			
10	QPSK	1	25	22.36	22.45	22.40	24	0	
10	QPSK	1	49	22.46	22.46	22.46			
10	QPSK	25	0	21.22	21.32	21.31			
10	QPSK	25	25	21.18	21.20	21.17	23	1	
10	QPSK	50	0	21.66	21.66	21.66			
10	16QAM	1	0	21.75	21.68	21.48			
10	16QAM	1	25	21.63	21.73	21.73	23	1	
10	16QAM	1	49	21.43	21.54	21.54			
10	16QAM	25	0	20.12	20.12	20.12			
10	16QAM	25	12	20.10	20.20	20.18	22	2	
10	16QAM	25	25	20.02	20.16	20.15			
10	16QAM	50	0	20.34	20.35	20.35			
10	16QAM	1	0	20.38	20.27	20.27			
10	16QAM	1	49	20.33	20.35	20.35	22	2	
10	16QAM	25	0	19.10	19.25	19.11			
10	16QAM	25	12	19.11	19.25	19.12	21	3	
10	16QAM	25	25	19.17	19.25	19.17			
10	16QAM	50	0	18.02	18.02	18.02			
10	16QAM	1	0	17.24	17.34	17.28			
10	16QAM	1	25	17.30	17.25	17.21	19	5	
10	16QAM	1	49	17.24	17.30	17.41			
10	16QAM	25	0	16.06	16.15	16.15			
10	16QAM	25	12	16.08	16.10	16.08	19	5	
10	16QAM	25	25	16.13	16.13	16.13			
10	16QAM	50	0	16.04	16.00	16.00			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.12	22.12	22.12			
5	QPSK	1	12	22.37	22.36	22.30	24	0	
5	QPSK	1	24	22.47	22.43	22.43			
5	QPSK	12	0	21.20	21.34	21.19			
5	QPSK	12	9	21.19	21.24	21.20	23	1	
5	QPSK	12	18	21.19	21.24	21.20			
5	16QAM	1	0	21.75	21.64	21.40			
5	16QAM	1	12	21.60	21.71	21.69	23	1	
5	16QAM	1	24	21.42	21.58	21.40			
5	16QAM	12	0	20.12	20.16	20.16			
5	16QAM	12	9	20.07	20.24	20.20	22	2	
5	16QAM	12	18	20.02	20.12	20.12			
5	16QAM	25	0	20.04	20.10	20.06			
5	16QAM	1	0	20.29	20.34	20.30			
5	16QAM	1	12	20.29	20.34	20.30	22	2	
5	16QAM	1	24	20.18	20.25	20.25			
5	16QAM	12	0	19.07	19.10	19.13			
5	16QAM	12	9	19.13	19.20	19.10	21	3	
5	16QAM	12	18	19.13	19.10	19.10			
5	16QAM	25	0	17.23	17.34	17.16			
5	16QAM	1	0	17.29	17.40	17.40			
5	16QAM	1	12	17.30	17.43	17.42	19	5	
5	16QAM	1	24	17.26	17.25	17.25			
5	16QAM	12	0	16.08	16.13	16.05			
5	16QAM	12	9	16.13	16.13	16.13	19	5	
5	16QAM	12	18	16.08	16.13	16.05			
5	16QAM	25	0	16.00	16.00	16.00			

Band 38_Ant 4									
EW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Max Ch./Freq.	Power Min Ch./Freq.	Tuning Unit (dBm)	MPV (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.12	22.12	22.12			
20	QPSK	1	48	19.26	19.14	19.22	17	0	
20	QPSK	1	96	19.24	19.24	19.24			
20	QPSK	50	0	18.06	18.24	18.22			
20	QPSK	50	24	18.16	18.16	18.20	17	0	
20	QPSK	50	50	18.18	18.07	18.14			
20	QPSK	100	0	18.06	18.16	18.14			
20	16QAM	1	0	18.18	18.07	18.14			
20	16QAM	1	48	18.07	18.13	18.17	17	0	
20	16QAM	1	96	18.14	18.04	18.20			
20	16QAM	50	0	18.00	18.13	18.17			
20	16QAM	50	24	18.11	18.14	18.21	17	0	
20	16QAM	50	50	18.05	18.13	18.17			
20	16QAM	100	0	18.05	18.13	18.20			
20	16QAM	1	0	18.11	18.13	18.22			
20	16QAM	1	48	18.15	18.04	18.19	17	0	
20	16QAM	1	96	18.15	18.04	18.19			
20	16QAM	50	0	18.15	18.04	18.19			
20	16QAM	50	24	18.15	18.04	18.19	17	0	
20	16QAM	50	50	18.15	18.04	18.19			
20	16QAM	100	0	18.15	18.04	18.19			
20	16QAM	1	0	18.19	18.07	18.25			
20	16QAM	1	48	18.19	18.07	18.25	17	0	
20	16QAM								



Band 41_Ant 1(ENDC)

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch/Freq	Power Low-Mid Ch/Freq	Power High-Mid Ch/Freq	Power High Ch/Freq	Power High-Mid Ch/Freq	Power High Ch/Freq	Timing offset (dBm)	MFR (dB)
Channel											
Frequency (MHz)											
30	QPSK	1	0	22.53	22.53	22.53	22.53	22.53	22.53	24	0
30	QPSK	1	40	22.76	22.76	22.76	22.76	22.76	22.76	24	0
30	QPSK	1	80	22.99	22.99	22.99	22.99	22.99	22.99	24	0
30	QPSK	50	0	21.86	21.84	21.83	21.72	21.63	21.53	23	1
30	QPSK	50	40	21.81	21.84	21.84	21.72	21.66	21.58	23	1
30	QPSK	50	80	21.77	21.77	21.82	21.71	21.60	21.50	23	1
30	HQAM	1	0	21.82	21.82	21.75	21.49	21.23	21.00	23	1
30	HQAM	1	40	21.81	21.82	21.84	21.75	21.64	21.53	23	1
30	HQAM	1	80	21.83	21.83	21.82	21.81	21.80	21.79	23	1
30	HQAM	50	0	20.84	20.82	20.80	20.69	20.58	20.48	22	2
30	HQAM	50	40	20.87	20.85	20.81	20.69	20.58	20.48	22	2
30	HQAM	50	80	20.79	20.80	20.83	20.69	20.58	20.48	22	2
30	HQAM	100	0	21.01	21.00	21.04	20.89	20.78	20.68	21	3
30	HQAM	100	40	20.99	20.98	21.02	20.81	20.70	20.60	21	3
30	HQAM	100	80	20.98	20.98	20.99	20.92	20.84	20.76	21	3
30	HQAM	50	0	19.78	19.85	19.88	19.70	19.58	19.46	19	5
30	HQAM	50	40	19.79	19.78	19.81	19.69	19.58	19.46	19	5
30	HQAM	50	80	19.74	19.71	19.73	19.68	19.58	19.46	19	5
30	HQAM	50	120	19.83	19.85	19.82	19.74	19.65	19.56	19	5
30	HQAM	100	0	17.81	17.74	17.83	17.61	17.51	17.42	19	5
30	HQAM	100	40	17.82	17.82	17.83	17.83	17.84	17.84	19	5
30	HQAM	100	80	17.82	17.82	17.83	17.83	17.84	17.84	19	5
30	HQAM	100	120	17.82	17.82	17.83	17.83	17.84	17.84	19	5
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.53	22.53	22.53	22.53	22.53	22.53	Timing offset (dBm)	MFR (dB)
15	QPSK	1	37	22.67	22.64	22.73	22.67	22.60	22.53	24	0
15	QPSK	1	74	22.81	22.77	22.82	22.72	22.63	22.54	24	0
15	QPSK	36	0	21.81	21.77	21.82	21.72	21.63	21.54	23	1
15	QPSK	36	40	21.87	21.77	21.87	21.79	21.70	21.61	23	1
15	QPSK	36	80	21.81	21.81	21.81	21.81	21.81	21.81	23	1
15	QPSK	36	120	21.86	21.73	21.89	21.81	21.71	21.61	23	1
15	HQAM	1	0	21.82	21.82	21.82	21.82	21.82	21.82	23	1
15	HQAM	1	37	21.82	21.82	21.82	21.82	21.82	21.82	23	1
15	HQAM	1	74	21.82	21.82	21.82	21.82	21.82	21.82	23	1
15	HQAM	36	0	20.84	20.84	20.84	20.84	20.84	20.84	22	2
15	HQAM	36	40	20.89	20.88	20.94	20.88	20.80	20.72	22	2
15	HQAM	36	80	20.84	20.85	20.92	20.88	20.80	20.72	22	2
15	HQAM	36	120	20.84	20.85	20.92	20.88	20.80	20.72	22	2
15	HQAM	75	0	20.84	20.85	20.92	20.88	20.80	20.72	22	2
15	HQAM	75	40	20.89	20.88	20.94	20.88	20.80	20.72	22	2
15	HQAM	75	80	20.84	20.85	20.92	20.88	20.80	20.72	22	2
15	HQAM	75	120	20.84	20.85	20.92	20.88	20.80	20.72	22	2
15	HQAM	150	0	19.86	19.88	19.93	19.83	19.76	19.68	21	3
15	HQAM	150	40	19.89	19.81	19.91	19.85	19.76	19.68	21	3
15	HQAM	150	80	19.86	19.86	19.86	19.86	19.86	19.86	21	3
15	HQAM	150	120	19.86	19.86	19.86	19.86	19.86	19.86	21	3
15	HQAM	1	0	17.86	17.86	17.86	17.86	17.86	17.86	19	5
15	HQAM	1	37	17.78	17.78	17.83	17.84	17.71	17.61	19	5
15	HQAM	1	74	17.81	17.78	17.83	17.84	17.71	17.61	19	5
15	HQAM	36	0	17.84	17.81	17.87	17.89	17.80	17.70	19	5
15	HQAM	36	40	17.84	17.81	17.87	17.89	17.80	17.70	19	5
15	HQAM	36	80	17.84	17.81	17.87	17.89	17.80	17.70	19	5
15	HQAM	36	120	17.84	17.81	17.87	17.89	17.80	17.70	19	5
15	HQAM	75	0	17.82	17.73	17.87	17.87	17.87	17.87	19	5
15	HQAM	75	40	17.82	17.73	17.87	17.87	17.87	17.87	19	5
15	HQAM	75	80	17.82	17.73	17.87	17.87	17.87	17.87	19	5
15	HQAM	75	120	17.82	17.73	17.87	17.87	17.87	17.87	19	5
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.53	22.53	22.53	22.53	22.53	22.53	Timing offset (dBm)	MFR (dB)
10	QPSK	1	20	22.76	22.66	22.80	22.63	22.46	22.30	24	0
10	QPSK	1	40	22.99	22.89	23.03	22.86	22.69	22.53	24	0
10	QPSK	25	0	21.87	21.87	21.86	21.89	21.85	21.81	23	1
10	QPSK	25	40	21.83	21.82	21.78	21.74	21.71	21.68	23	1
10	QPSK	25	80	21.81	21.82	21.75	21.74	21.71	21.68	23	1
10	QPSK	25	120	21.81	21.81	21.81	21.81	21.81	21.81	23	1
10	HQAM	1	0	21.82	21.82	21.82	21.82	21.82	21.82	23	1
10	HQAM	1	40	21.82	21.84	21.82	21.81	21.78	21.76	23	1
10	HQAM	1	80	21.81	21.82	21.82	21.82	21.82	21.82	23	1
10	HQAM	1	120	21.82	21.82	21.82	21.82	21.82	21.82	23	1
10	HQAM	25	0	20.84	20.85	20.92	20.88	20.80	20.72	22	2
10	HQAM	25	40	20.89	20.88	20.94	20.88	20.80	20.72	22	2
10	HQAM	25	80	20.84	20.85	20.92	20.88	20.80	20.72	22	2
10	HQAM	25	120	20.84	20.85	20.92	20.88	20.80	20.72	22	2
10	HQAM	50	0	20.84	20.85	20.92	20.88	20.80	20.72	22	2
10	HQAM	50	40	20.89	20.88	20.94	20.88	20.80	20.72	22	2
10	HQAM	50	80	20.84	20.85	20.92	20.88	20.80	20.72	22	2
10	HQAM	50	120	20.84	20.85	20.92	20.88	20.80	20.72	22	2
10	HQAM	100	0	19.86	19.88	19.93	19.83	19.76	19.68	21	3
10	HQAM	100	40	19.89	19.81	19.91	19.85	19.76	19.68	21	3
10	HQAM	100	80	19.86	19.86	19.86	19.86	19.86	19.86	21	3
10	HQAM	100	120	19.86	19.86	19.86	19.86	19.86	19.86	21	3
10	HQAM	1	0	17.86	17.86	17.86	17.86	17.86	17.86	19	5
10	HQAM	1	37	17.78	17.78	17.83	17.84	17.71	17.61	19	5
10	HQAM	1	74	17.81	17.78	17.83	17.84	17.71	17.61	19	5
10	HQAM	25	0	17.84	17.81	17.87	17.89	17.80	17.70	19	5
10	HQAM	25	40	17.84	17.81	17.87	17.89	17.80	17.70	19	5
10	HQAM	25	80	17.84	17.81	17.87	17.89	17.80	17.70	19	5
10	HQAM	25	120	17.84	17.81	17.87	17.89	17.80	17.70	19	5
10	HQAM	50	0	17.82	17.73	17.87	17.87	17.87	17.87	19	5
10	HQAM	50	40	17.82	17.73	17.87	17.87	17.87	17.87	19	5
10	HQAM	50	80	17.82	17.73	17.87	17.87	17.87	17.87	19	5
10	HQAM	50	120	17.82	17.73	17.87	17.87	17.87	17.87	19	5
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.53	22.53	22.53	22.53	22.53	22.53	Timing offset (dBm)	MFR (dB)
5	QPSK	1	12	22.68	22.62	22.77	22.68	22.60	22.52	24	0
5	QPSK	1	24	22.81	22.74	22.86	22.74	22.64	22.56	24	0
5	QPSK	12	0	21.83	21.84	21.82	21.71	21.64	21.56	23	1
5	QPSK	12	40	21.80	21.78	21.78	21.70	21.61	21.51	23	1
5	QPSK	12	80	21.81	21.82	21.81	21.81	21.81	21.81	23	1
5	QPSK	12	120	21.81	21.81	21.81	21.81	21.81	21.81	23	1
5	HQAM	1	0	21.82	21.82	21.82	21.82	21.82	21.82	23	1
5	HQAM	1	12	21.82	21.84	21.82	21.81	21.78	21.76	23	1
5	HQAM	1	24	21.81	21.82	21.82	21.82	21.82			

Reduced Power for DSI 3

Band 7_Ant 4										
Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	14.77	14.95	14.74	16	0		
20	QPSK	1	49	14.67	14.91	14.70				
20	QPSK	1	99	14.58	14.80	14.68				
20	QPSK	50	0	14.82	14.94	14.74	16	0		
20	QPSK	50	24	14.58	14.91	14.69				
20	QPSK	50	50	14.58	14.76	14.67				
20	QPSK	100	0	14.70	14.90	14.80	16	0		
20	16QAM	1	0	14.58	14.92	14.69				
20	16QAM	1	49	14.63	14.82	14.71				
20	16QAM	1	99	14.70	14.92	14.72	16	0		
20	16QAM	50	0	14.66	14.84	14.64				
20	16QAM	50	24	14.67	14.74	14.69				
20	16QAM	50	50	14.68	14.90	14.72	16	0		
20	16QAM	100	0	14.59	14.80	14.58				
20	64QAM	1	0	14.60	14.78	14.78				
20	64QAM	1	49	14.69	14.92	14.77	16	0		
20	64QAM	1	99	14.82	14.86	14.85				
20	64QAM	50	0	14.81	14.81	14.75				
20	64QAM	50	24	14.73	14.83	14.74	16	0		
20	64QAM	50	50	14.71	14.81	14.69				
20	64QAM	100	0	14.66	14.85	14.71				
20	256QAM	1	0	14.71	14.85	14.77	16	0		
20	256QAM	1	49	14.72	14.90	14.71				
20	256QAM	1	99	14.59	14.76	14.71				
20	256QAM	50	0	14.72	14.92	14.78	16	0		
20	256QAM	50	24	14.81	14.94	14.81				
20	256QAM	50	50	14.63	14.85	14.63				
20	256QAM	100	0	14.63	14.84	14.78				
Channel				20825	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	14.66	14.93	14.67	16	0		
15	QPSK	1	37	14.64	14.84	14.56				
15	QPSK	1	74	14.57	14.72	14.62				
15	QPSK	36	0	14.68	14.89	14.67	16	0		
15	QPSK	36	20	14.61	14.80	14.65				
15	QPSK	36	39	14.57	14.72	14.54				
15	QPSK	75	0	14.67	14.94	14.72	16	0		
15	16QAM	1	0	14.54	14.84	14.58				
15	16QAM	1	37	14.59	14.78	14.70				
15	16QAM	1	74	14.65	14.81	14.57	16	0		
15	16QAM	36	0	14.65	14.80	14.62				
15	16QAM	36	20	14.65	14.60	14.55				
15	16QAM	36	39	14.83	14.88	14.73	16	0		
15	16QAM	75	0	14.60	14.84	14.66				
15	64QAM	1	0	14.62	14.89	14.82				
15	64QAM	1	37	14.76	14.87	14.83	16	0		
15	64QAM	1	74	14.71	14.88	14.77				
15	64QAM	36	0	14.63	14.93	14.79				
15	64QAM	36	20	14.87	14.84	14.75	16	0		
15	64QAM	36	39	14.76	14.82	14.78				
15	64QAM	75	0	14.70	14.93	14.79				
15	256QAM	1	0	14.80	14.87	14.80	16	0		
15	256QAM	1	37	14.82	14.88	14.84				
15	256QAM	1	74	14.68	14.87	14.79				
15	256QAM	36	0	14.73	14.95	14.78	16	0		
15	256QAM	36	20	14.83	14.88	14.85				
15	256QAM	36	39	14.67	14.94	14.68				
15	256QAM	75	0	14.84	14.93	14.90				
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	14.75	14.85	14.70	16	0		
10	QPSK	1	25	14.57	14.89	14.68				
10	QPSK	1	49	14.44	14.77	14.59				
10	QPSK	25	0	14.78	14.80	14.60	16	0		
10	QPSK	25	12	14.65	14.90	14.67				
10	QPSK	25	25	14.48	14.72	14.64				
10	QPSK	50	0	14.59	14.83	14.71	16	0		
10	16QAM	1	0	14.46	14.87	14.61				
10	16QAM	1	25	14.61	14.81	14.70				
10	16QAM	1	49	14.67	14.86	14.57	16	0		
10	16QAM	25	0	14.59	14.70	14.53				
10	16QAM	25	12	14.58	14.62	14.58				
10	16QAM	25	25	14.69	14.91	14.82	16	0		
10	16QAM	50	0	14.71	14.94	14.63				
10	64QAM	1	0	14.75	14.86	14.91				
10	64QAM	1	25	14.77	14.80	14.80	16	0		
10	64QAM	1	49	14.70	14.92	14.72				
10	64QAM	25	0	14.72	14.87	14.90				
10	64QAM	25	12	14.83	14.88	14.82	16	0		
10	64QAM	25	25	14.73	14.88	14.75				
10	64QAM	50	0	14.68	14.70	14.85				
10	256QAM	1	0	14.72	14.91	14.89	16	0		
10	256QAM	1	25	14.78	14.91	14.79				
10	256QAM	1	49	14.61	14.90	14.84				
10	256QAM	25	0	14.73	14.70	14.88	16	0		
10	256QAM	25	12	14.83	14.82	14.82				
10	256QAM	25	25	14.70	14.82	14.64				
10	256QAM	50	0	14.65	14.86	14.69				
Channel				20775	21100	21425				
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	14.73	14.92	14.73	16	0		
5	QPSK	1	12	14.55	14.90	14.63				
5	QPSK	1	24	14.50	14.68	14.53				
5	QPSK	12	0	14.72	14.86	14.62	16	0		
5	QPSK	12	7	14.48	14.77	14.62				
5	QPSK	12	13	14.44	14.62	14.60				
5	QPSK	25	0	14.68	14.87	14.73	16	0		
5	16QAM	1	0	14.52	14.87	14.57				
5	16QAM	1	12	14.52	14.78	14.60				
5	16QAM	1	24	14.61	14.89	14.58	16	0		
5	16QAM	12	0	14.56	14.74	14.60				
5	16QAM	12	7	14.57	14.60	14.59				
5	16QAM	12	13	14.72	14.83	14.74	16	0		
5	16QAM	25	0	14.71	14.63	14.64				
5	64QAM	1	0	14.66	14.93	14.85				
5	64QAM	1	12	14.72	14.90	14.91	16	0		
5	64QAM	1	24	14.69	14.80	14.73				
5	64QAM	12	0	14.82	14.87	14.83				
5	64QAM	12	7	14.82	14.91	14.81	16	0		
5	64QAM	12	13	14.74	14.83	14.81				
5	64QAM	25	0	14.80	14.86	14.83				
5	256QAM	1	0	14.81	14.94	14.84	16	0		
5	256QAM	1	12	14.78	14.83	14.83				
5	256QAM	1	24	14.73	14.83	14.83				
5	256QAM	12	0	14.81	14.86	14.85	16	0		
5	256QAM	12	7	14.85	14.90	14.93				
5	256QAM	12	13	14.73	14.87	14.77				
5	256QAM	25	0	14.72	14.93	14.80				



Reduced Power for DSI 4

Band 7_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.83	22.97	22.85	24	0	
20	QPSK	1	49	22.73	22.95	22.73			
20	QPSK	1	99	22.72	22.89	22.81			
20	QPSK	50	0	21.80	21.91	21.81	23	1	
20	QPSK	50	24	21.75	21.90	21.80			
20	QPSK	50	50	21.70	21.82	21.74			
20	QPSK	100	0	21.82	21.88	21.78	23	1	
20	16QAM	1	0	21.58	21.71	21.62			
20	16QAM	1	49	21.59	21.70	21.58			
20	16QAM	1	99	21.56	21.66	21.59	22	2	
20	16QAM	50	0	20.40	20.49	20.40			
20	16QAM	50	24	20.42	20.57	20.43			
20	16QAM	50	50	20.40	20.55	20.40	22	2	
20	16QAM	100	0	20.59	20.77	20.57			
20	64QAM	1	0	20.44	20.55	20.45			
20	64QAM	1	49	20.46	20.52	20.42	21	3	
20	64QAM	1	99	20.46	20.46	20.44			
20	64QAM	50	0	19.25	19.43	19.36			
20	64QAM	50	24	19.28	19.47	19.30	21	3	
20	64QAM	50	50	19.33	19.41	19.28			
20	64QAM	100	0	19.45	19.68	19.46			
20	256QAM	1	0	17.15	17.42	17.24	19	5	
20	256QAM	1	49	17.18	17.42	17.25			
20	256QAM	1	99	17.18	17.36	17.16			
20	256QAM	50	0	17.34	17.58	17.44	19	5	
20	256QAM	50	24	17.14	17.39	17.35			
20	256QAM	50	50	17.21	17.45	17.20			
20	256QAM	100	0	17.19	17.34	17.16			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.67	22.82	22.72	24	0	
15	QPSK	1	37	22.58	22.74	22.61			
15	QPSK	1	74	22.48	22.70	22.58			
15	QPSK	36	0	21.65	21.71	21.59	23	1	
15	QPSK	36	20	21.51	21.67	21.59			
15	QPSK	36	39	21.59	21.60	21.62			
15	QPSK	75	0	21.65	21.64	21.56	23	1	
15	16QAM	1	0	21.34	21.46	21.38			
15	16QAM	1	37	21.42	21.58	21.40			
15	16QAM	1	74	21.42	21.52	21.37	22	2	
15	16QAM	36	0	20.25	20.34	20.20			
15	16QAM	36	20	20.21	20.32	20.29			
15	16QAM	36	39	20.38	20.42	20.33	22	2	
15	16QAM	75	0	20.61	20.75	20.53			
15	64QAM	1	0	20.49	20.48	20.39			
15	64QAM	1	37	20.43	20.50	20.45	21	3	
15	64QAM	1	74	20.49	20.38	20.49			
15	64QAM	36	0	19.23	19.45	19.36			
15	64QAM	36	20	19.31	19.50	19.25	19	5	
15	64QAM	36	39	19.31	19.34	19.27			
15	64QAM	75	0	19.45	19.70	19.39			
15	256QAM	1	0	17.14	17.47	17.17	19	5	
15	256QAM	1	37	17.13	17.45	17.25			
15	256QAM	1	74	17.15	17.37	17.08			
15	256QAM	36	0	17.32	17.60	17.38	19	5	
15	256QAM	36	20	17.13	17.36	17.28			
15	256QAM	36	39	17.17	17.40	17.23			
15	256QAM	75	0	17.11	17.32	17.10			
Channel				20800	21100	21400			
Frequency (MHz)				2595	2535	2565			
10	QPSK	1	0	22.58	22.86	22.74	24	0	
10	QPSK	1	25	22.55	22.70	22.52			
10	QPSK	1	49	22.56	22.77	22.56			
10	QPSK	25	0	21.82	21.74	21.66	23	1	
10	QPSK	25	12	21.50	21.67	21.62			
10	QPSK	25	25	21.56	21.61	21.57			
10	QPSK	50	0	21.69	21.65	21.60	23	1	
10	16QAM	1	0	21.47	21.51	21.38			
10	16QAM	1	25	21.44	21.50	21.36			
10	16QAM	1	49	21.44	21.44	21.36	22	2	
10	16QAM	25	0	20.15	20.30	20.20			
10	16QAM	25	12	20.22	20.45	20.27			
10	16QAM	25	25	20.41	20.34	20.32	22	2	
10	16QAM	50	0	20.55	20.71	20.59			
10	64QAM	1	0	20.39	20.48	20.36			
10	64QAM	1	25	20.42	20.57	20.44	21	3	
10	64QAM	1	49	20.42	20.43	20.46			
10	64QAM	25	0	19.28	19.48	19.28			
10	64QAM	25	12	19.23	19.50	19.34	19	5	
10	64QAM	25	25	19.36	19.34	19.20			
10	64QAM	50	0	19.44	19.67	19.37			
10	256QAM	1	0	17.13	17.36	17.21	19	5	
10	256QAM	1	25	17.09	17.46	17.28			
10	256QAM	1	49	17.11	17.41	17.21			
10	256QAM	25	0	17.30	17.62	17.38	19	5	
10	256QAM	25	12	17.17	17.40	17.30			
10	256QAM	25	25	17.24	17.46	17.22			
10	256QAM	50	0	17.13	17.36	17.09			
Channel				20775	21100	21425			
Frequency (MHz)				2592.5	2535	2597.5			
5	QPSK	1	0	22.61	22.82	22.62	24	0	
5	QPSK	1	12	22.50	22.76	22.60			
5	QPSK	1	24	22.56	22.67	22.70			
5	QPSK	12	0	21.59	21.79	21.68	23	1	
5	QPSK	12	7	21.59	21.73	21.57			
5	QPSK	12	13	21.54	21.63	21.61			
5	QPSK	25	0	21.61	21.65	21.56	23	1	
5	16QAM	1	0	21.46	21.60	21.45			
5	16QAM	1	12	21.48	21.46	21.35			
5	16QAM	1	24	21.36	21.48	21.35	22	2	
5	16QAM	12	0	20.27	20.29	20.29			
5	16QAM	12	7	20.27	20.45	20.22			
5	16QAM	12	13	20.36	20.35	20.38	22	2	
5	16QAM	25	0	20.61	20.74	20.57			
5	64QAM	1	0	20.37	20.53	20.36			
5	64QAM	1	12	20.47	20.49	20.43	22	2	
5	64QAM	1	24	20.38	20.41	20.35			
5	64QAM	12	0	19.19	19.35	19.31			
5	64QAM	12	7	19.27	19.39	19.25	21	3	
5	64QAM	12	13	19.31	19.43	19.22			
5	64QAM	25	0	19.50	19.67	19.38			
5	256QAM	1	0	17.18	17.40	17.19	19	5	
5	256QAM	1	12	17.15	17.36	17.28			
5	256QAM	1	24	17.19	17.41	17.09			
5	256QAM	12	0	17.38	17.62	17.48	19	5	
5	256QAM	12	7	17.18	17.41	17.36			
5	256QAM	12	13	17.20	17.45	17.17			
5	256QAM	25	0	17.10	17.26	17.20			



Band 38_Ant 1(ENDC)									
BW (MHz)	Modulation	FD Size	FD Offset	Power Low Ch. Freq. MHz	Power High Ch. Freq. MHz	Power Max Ch. Freq. MHz	Time-up Int (dB)	MRG (dB)	
Channel									
20	QPSK	1	0	22.42	22.52	22.42			
20	QPSK	1	0	22.47	22.57	22.47	24	0	
20	QPSK	1	0	22.48	22.58	22.48			
20	QPSK	1	0	22.47	22.57	22.47			
20	QPSK	16	24	21.15	21.25	21.15	23	1	
20	QPSK	16	0	21.20	21.30	21.20			
20	QPSK	16	0	21.15	21.25	21.15			
20	SCDMA	1	0	21.75	21.85	21.75	23	1	
20	SCDMA	1	0	21.80	21.90	21.80			
20	SCDMA	1	0	21.85	21.95	21.85			
20	SCDMA	16	24	20.45	20.55	20.45	22	2	
20	SCDMA	16	0	20.50	20.60	20.50			
20	SCDMA	16	0	20.45	20.55	20.45			
20	SCDMA	1	0	20.55	20.65	20.55	22	2	
20	SCDMA	1	0	20.60	20.70	20.60			
20	SCDMA	16	0	20.65	20.75	20.65			
20	SCDMA	16	0	20.70	20.80	20.70			
20	SCDMA	16	0	20.75	20.85	20.75			
20	SCDMA	16	0	20.80	20.90	20.80			
20	SCDMA	16	0	20.85	20.95	20.85			
20	SCDMA	16	0	20.90	21.00	20.90			
20	SCDMA	16	0	20.95	21.05	20.95			
20	SCDMA	16	0	21.00	21.10	21.00			
20	SCDMA	16	0	21.05	21.15	21.05			
20	SCDMA	16	0	21.10	21.20	21.10			
20	SCDMA	16	0	21.15	21.25	21.15			
20	SCDMA	16	0	21.20	21.30	21.20			
20	SCDMA	16	0	21.25	21.35	21.25			
20	SCDMA	16	0	21.30	21.40	21.30			
20	SCDMA	16	0	21.35	21.45	21.35			
20	SCDMA	16	0	21.40	21.50	21.40			
20	SCDMA	16	0	21.45	21.55	21.45			
20	SCDMA	16	0	21.50	21.60	21.50			
20	SCDMA	16	0	21.55	21.65	21.55			
20	SCDMA	16	0	21.60	21.70	21.60			
20	SCDMA	16	0	21.65	21.75	21.65			
20	SCDMA	16	0	21.70	21.80	21.70			
20	SCDMA	16	0	21.75	21.85	21.75			
20	SCDMA	16	0	21.80	21.90	21.80			
20	SCDMA	16	0	21.85	21.95	21.85			
20	SCDMA	16	0	21.90	22.00	21.90			
20	SCDMA	16	0	21.95	22.05	21.95			
20	SCDMA	16	0	22.00	22.10	22.00			
20	SCDMA	16	0	22.05	22.15	22.05			
20	SCDMA	16	0	22.10	22.20	22.10			
20	SCDMA	16	0	22.15	22.25	22.15			
20	SCDMA	16	0	22.20	22.30	22.20			
20	SCDMA	16	0	22.25	22.35	22.25			
20	SCDMA	16	0	22.30	22.40	22.30			
20	SCDMA	16	0	22.35	22.45	22.35			
20	SCDMA	16	0	22.40	22.50	22.40			
20	SCDMA	16	0	22.45	22.55	22.45			
20	SCDMA	16	0	22.50	22.60	22.50			
20	SCDMA	16	0	22.55	22.65	22.55			
20	SCDMA	16	0	22.60	22.70	22.60			
20	SCDMA	16	0	22.65	22.75	22.65			
20	SCDMA	16	0	22.70	22.80	22.70			
20	SCDMA	16	0	22.75	22.85	22.75			
20	SCDMA	16	0	22.80	22.90	22.80			
20	SCDMA	16	0	22.85	22.95	22.85			
20	SCDMA	16	0	22.90	23.00	22.90			
20	SCDMA	16	0	22.95	23.05	22.95			
20	SCDMA	16	0	23.00	23.10	23.00			
20	SCDMA	16	0	23.05	23.15	23.05			
20	SCDMA	16	0	23.10	23.20	23.10			
20	SCDMA	16	0	23.15	23.25	23.15			
20	SCDMA	16	0	23.20	23.30	23.20			
20	SCDMA	16	0	23.25	23.35	23.25			
20	SCDMA	16	0	23.30	23.40	23.30			
20	SCDMA	16	0	23.35	23.45	23.35			
20	SCDMA	16	0	23.40	23.50	23.40			
20	SCDMA	16	0	23.45	23.55	23.45			
20	SCDMA	16	0	23.50	23.60	23.50			
20	SCDMA	16	0	23.55	23.65	23.55			
20	SCDMA	16	0	23.60	23.70	23.60			
20	SCDMA	16	0	23.65	23.75	23.65			
20	SCDMA	16	0	23.70	23.80	23.70			
20	SCDMA	16	0	23.75	23.85	23.75			
20	SCDMA	16	0	23.80	23.90	23.80			
20	SCDMA	16	0	23.85	23.95	23.85			
20	SCDMA	16	0	23.90	24.00	23.90			
20	SCDMA	16	0	23.95	24.05	23.95			
20	SCDMA	16	0	24.00	24.10	24.00			
20	SCDMA	16	0	24.05	24.15	24.05			
20	SCDMA	16	0	24.10	24.20	24.10			
20	SCDMA	16	0	24.15	24.25	24.15			
20	SCDMA	16	0	24.20	24.30	24.20			
20	SCDMA	16	0	24.25	24.35	24.25			
20	SCDMA	16	0	24.30	24.40	24.30			
20	SCDMA	16	0	24.35	24.45	24.35			
20	SCDMA	16	0	24.40	24.50	24.40			
20	SCDMA	16	0	24.45	24.55	24.45			
20	SCDMA	16	0	24.50	24.60	24.50			
20	SCDMA	16	0	24.55	24.65	24.55			
20	SCDMA	16	0	24.60	24.70	24.60			
20	SCDMA	16	0	24.65	24.75	24.65			
20	SCDMA	16	0	24.70	24.80	24.70			
20	SCDMA	16	0	24.75	24.85	24.75			
20	SCDMA	16	0	24.80	24.90	24.80			
20	SCDMA	16	0	24.85	24.95	24.85			
20	SCDMA	16	0	24.90	25.00	24.90			
20	SCDMA	16	0	24.95	25.05	24.95			
20	SCDMA	16	0	25.00	25.10	25.00			
20	SCDMA	16	0	25.05	25.15	25.05			
20	SCDMA	16	0	25.10	25.20	25.10			
20	SCDMA	16	0	25.15	25.25	25.15			
20	SCDMA	16	0	25.20	25.30	25.20			
20	SCDMA	16	0	25.25	25.35	25.25			
20	SCDMA	16	0	25.30	25.40	25.30			
20	SCDMA	16	0	25.35	25.45	25.35			
20	SCDMA	16	0	25.40	25.50	25.40			
20	SCDMA	16	0	25.45	25.55	25.45			
20	SCDMA	16	0	25.50	25.60	25.50			
20	SCDMA	16	0	25.55	25.65	25.55			
20	SCDMA	16	0	25.60	25.70	25.60			
20	SCDMA	16	0	25.65	25.75	25.65			
20	SCDMA	16	0	25.70	25.80	25.70			
20	SCDMA	16	0	25.75	25.85	25.75			
20	SCDMA	16	0	25.80	25.90	25.80			
20	SCDMA	16	0	25.85	25.95	25.85			
20	SCDMA	16	0	25.90	26.00	25.90			
20	SCDMA	16	0	25.95	26.05	25.95			
20	SCDMA	16	0	26.00	26.10	26.00			
20	SCDMA	16	0	26.05	26.15	26.05			
20	SCDMA	16	0	26.10	26.20	26.10			
20	SCDMA	16	0	26.15	26.25	26.15			
20	SCDMA	16	0	26.20	26.30	26.20			
20	SCDMA	16	0	26.25	26.35	26.25			
20	SCDMA	16	0	26.30	26.40	26.30			
20	SCDMA	16	0	26.35	26.45	26.35			
20	SCDMA	16	0	26.40	26.50	26.40			
20	SCDMA	16	0	26.45	26.55	26.45			
20	SCDMA	16	0	26.50	26.60	26.50			
20	SCDMA	16	0	26.55	26.65	26.55			
20	SCDMA	16	0	26.60	26.70	26.60			
20	SCDMA	16	0	26.65	26.75	26.65			
20	SCDMA	16	0	26.70	26.80	26.70			
20	SCDMA	16	0	26.75	26.85	26.75			
20	SCDMA	16	0	26.80	26.90	26.80			
20	SCDMA	16	0	26.85	26.95	26.85			
20	SCDMA	16	0	26.90	27.00	26.90			



Band 41_Ant 1 (ENDC)

Table with columns: BW (MHz), Modulation, FE Size, FE Offset, Power Low, Power High, Power Mid, Power High, Power High, Turn-up time (min), MFR (dB), MFR (dB). Rows include Frequency (MHz) and Channel details for various modulation schemes and power levels.

Band 41_Ant 4

Table with columns: BW (MHz), Modulation, FE Size, FE Offset, Power Low, Power High, Power Mid, Power High, Power High, Turn-up time (min), MFR (dB), MFR (dB). Rows include Frequency (MHz) and Channel details for various modulation schemes and power levels.

Band 41_HPUE_Ant 4

Table with columns: BW (MHz), Modulation, FE Size, FE Offset, Power Low, Power High, Power Mid, Power High, Power High, Turn-up time (min), MFR (dB), MFR (dB). Rows include Frequency (MHz) and Channel details for various modulation schemes and power levels.



Reduced Power for DSI 6

Band 7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.12	19.35	19.17	20.5	0	
20	QPSK	1	49	19.10	19.20	19.05			
20	QPSK	1	99	18.99	19.27	19.16			
20	QPSK	50	0	19.11	19.20	19.15	20.5	0	
20	QPSK	50	24	19.05	19.27	19.04			
20	QPSK	50	50	19.05	19.25	19.14			
20	QPSK	100	0	19.18	19.22	19.21	20.5	0	
20	16QAM	1	0	19.10	19.34	19.07			
20	16QAM	1	49	19.09	19.28	19.17			
20	16QAM	1	99	19.11	19.24	19.17	20.5	0	
20	16QAM	50	0	19.05	19.27	19.01			
20	16QAM	50	24	19.14	19.22	19.24			
20	16QAM	50	50	18.99	19.28	19.04	20.5	0	
20	16QAM	100	0	19.04	19.19	19.10			
20	64QAM	1	0	19.15	19.22	19.12			
20	64QAM	1	49	19.00	19.27	19.04	20.5	0	
20	64QAM	1	99	18.99	19.24	19.06			
20	64QAM	50	0	19.16	19.30	19.21			
20	64QAM	50	24	19.21	19.25	19.18	20.5	0	
20	64QAM	50	50	19.00	19.33	19.11			
20	64QAM	100	0	19.10	19.24	19.17			
20	256QAM	1	0	17.63	17.78	17.62	19	1.5	
20	256QAM	1	49	17.65	17.84	17.60			
20	256QAM	1	99	17.47	17.71	17.70			
20	256QAM	50	0	17.62	17.75	17.60	19	1.5	
20	256QAM	50	24	17.71	17.80	17.71			
20	256QAM	50	50	17.51	17.81	17.60			
20	256QAM	100	0	17.50	17.67	17.68			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	18.94	19.20	18.99	20.5	0	
15	QPSK	1	37	19.01	19.06	18.83			
15	QPSK	1	74	18.84	19.03	19.00			
15	QPSK	36	0	19.00	19.06	19.04	20.5	0	
15	QPSK	36	20	18.90	19.15	18.88			
15	QPSK	36	39	18.81	19.08	18.89			
15	QPSK	75	0	19.07	19.02	19.06	20.5	0	
15	16QAM	1	0	18.96	19.09	18.83			
15	16QAM	1	37	18.90	19.05	19.01			
15	16QAM	1	74	18.91	19.06	19.02	20.5	0	
15	16QAM	36	0	18.88	19.07	18.78			
15	16QAM	36	20	18.99	19.05	19.05			
15	16QAM	36	39	19.02	19.04	18.95	20.5	0	
15	16QAM	75	0	18.97	19.24	19.01			
15	64QAM	1	0	19.18	19.15	19.05			
15	64QAM	1	37	19.02	19.29	18.99	20.5	0	
15	64QAM	1	74	18.99	19.24	19.02			
15	64QAM	36	0	19.09	19.21	19.22			
15	64QAM	36	20	19.17	19.19	19.22	20.5	0	
15	64QAM	36	39	19.00	19.26	19.04			
15	64QAM	75	0	19.07	19.16	19.17			
15	256QAM	1	0	17.68	17.81	17.59	19	1.5	
15	256QAM	1	37	17.60	17.77	17.44			
15	256QAM	1	74	17.48	17.69	17.70			
15	256QAM	36	0	17.65	17.74	17.51	19	1.5	
15	256QAM	36	20	17.76	17.85	17.74			
15	256QAM	36	39	17.45	17.75	17.65			
15	256QAM	75	0	17.42	17.65	17.59			
Channel				20800	21100	21400			
Frequency (MHz)				2565	2535	2565			
10	QPSK	1	0	18.93	19.18	18.94	20.5	0	
10	QPSK	1	25	18.99	19.05	18.80			
10	QPSK	1	49	18.87	19.06	18.91			
10	QPSK	25	0	18.99	19.09	19.00	20.5	0	
10	QPSK	25	12	18.94	19.02	18.85			
10	QPSK	25	25	18.90	19.01	18.91			
10	QPSK	50	0	19.07	18.97	19.02	20.5	0	
10	16QAM	1	0	18.93	19.13	18.92			
10	16QAM	1	25	18.97	19.09	19.04			
10	16QAM	1	49	18.90	19.02	19.03	20.5	0	
10	16QAM	25	0	18.83	19.02	18.80			
10	16QAM	25	12	18.94	19.10	19.10			
10	16QAM	25	25	19.04	19.04	19.06	20.5	0	
10	16QAM	50	0	19.03	19.18	19.06			
10	64QAM	1	0	19.15	19.22	19.09			
10	64QAM	1	25	19.01	19.19	19.06	20.5	0	
10	64QAM	1	49	18.97	19.28	19.10			
10	64QAM	25	0	19.09	19.27	19.26			
10	64QAM	25	12	19.24	19.16	19.16	20.5	0	
10	64QAM	25	25	19.01	19.33	19.13			
10	64QAM	50	0	19.01	19.24	19.16			
10	256QAM	1	0	17.60	17.75	17.55	19	1.5	
10	256QAM	1	25	17.55	17.87	17.41			
10	256QAM	1	49	17.42	17.70	17.66			
10	256QAM	25	0	17.60	17.76	17.60	19	1.5	
10	256QAM	25	12	17.74	17.77	17.71			
10	256QAM	25	25	17.44	17.82	17.55			
10	256QAM	50	0	17.48	17.61	17.72			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	18.97	19.08	19.02	20.5	0	
5	QPSK	1	12	18.88	19.02	18.88			
5	QPSK	1	24	18.75	19.06	19.03			
5	QPSK	12	0	19.00	19.09	19.03	20.5	0	
5	QPSK	12	7	18.94	19.08	18.91			
5	QPSK	12	13	18.87	19.12	18.97			
5	QPSK	25	0	19.00	19.03	19.02	20.5	0	
5	16QAM	1	0	18.97	19.15	18.85			
5	16QAM	1	12	18.90	19.15	19.01			
5	16QAM	1	24	18.87	19.04	18.93	20.5	0	
5	16QAM	12	0	18.80	19.07	18.89			
5	16QAM	12	7	18.82	19.04	19.10			
5	16QAM	12	13	18.82	19.14	19.00	20.5	0	
5	16QAM	25	0	18.97	19.20	19.09			
5	64QAM	1	0	19.06	19.23	19.11			
5	64QAM	1	12	18.97	19.31	19.09	20.5	0	
5	64QAM	1	24	18.95	19.27	18.97			
5	64QAM	12	0	19.16	19.27	19.15			
5	64QAM	12	7	19.19	19.16	19.10	20.5	0	
5	64QAM	12	13	18.96	19.29	19.11			
5	64QAM	25	0	19.05	19.20	19.18			
5	256QAM	1	0	17.59	17.70	17.63	19	1.5	
5	256QAM	1	12	17.53	17.87	17.55			
5	256QAM	1	24	17.40	17.67	17.62			
5	256QAM	12	0	17.62	17.79	17.54	19	1.5	
5	256QAM	12	7	17.66	17.78	17.76			
5	256QAM	12	13	17.55	17.76	17.65			
5	256QAM	25	0	17.48	17.60	17.67			



Band 41_2nt1 (ENDC)

Table with columns: BWP (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Mid, Power High, Power High, Power High, Turnup time (min), MPR (dB). Rows include Frequency (MHz) and Channel for various BWP configurations.

Band 41_2nt4

Table with columns: BWP (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Mid, Power High, Power High, Power High, Turnup time (min), MPR (dB). Rows include Frequency (MHz) and Channel for various BWP configurations.

Band 41_HPUE_Ant 4

Table with columns: BWP (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Mid, Power High, Power High, Power High, Turnup time (min), MPR (dB). Rows include Frequency (MHz) and Channel for various BWP configurations.



Reduced Power for DSI 7

Band 7_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	13.5	0
Frequency (MHz)				2510	2535	2580		
20	QPSK	1	0	12.21	12.35	12.18	13.5	0
20	QPSK	1	49	12.04	12.30	12.12		
20	QPSK	1	99	12.07	12.15	12.17		
20	QPSK	50	0	12.19	12.31	12.11	13.5	0
20	QPSK	50	24	12.06	12.28	11.99		
20	QPSK	50	50	12.02	12.24	12.10		
20	QPSK	100	0	12.15	12.25	12.15	13.5	0
20	16QAM	1	0	12.01	12.34	12.06		
20	16QAM	1	49	11.97	12.17	12.13		
20	16QAM	1	99	12.20	12.22	12.21	13.5	0
20	16QAM	50	0	12.11	12.28	12.03		
20	16QAM	50	24	12.10	12.18	12.17		
20	16QAM	50	50	12.12	12.30	12.23	13.5	0
20	16QAM	100	0	12.00	12.28	12.07		
20	64QAM	1	0	12.10	12.19	12.09		
20	64QAM	1	49	12.17	12.31	12.17	13.5	0
20	64QAM	1	99	12.12	12.32	12.01		
20	64QAM	50	0	12.09	12.25	12.14		
20	64QAM	50	24	12.08	12.27	12.19	13.5	0
20	64QAM	50	50	12.03	12.32	11.99		
20	64QAM	100	0	12.00	12.25	12.10		
20	256QAM	1	0	12.12	12.24	12.20	13.5	0
20	256QAM	1	49	11.99	12.22	12.02		
20	256QAM	1	99	12.08	12.18	12.10		
20	256QAM	50	0	12.12	12.34	12.12	13.5	0
20	256QAM	50	24	12.13	12.34	12.22		
20	256QAM	50	50	12.10	12.33	12.06		
20	256QAM	100	0	12.02	12.17	12.16		
Channel				20825	21100	21375	13.5	0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	12.06	12.07	12.05	13.5	0
15	QPSK	1	37	11.92	12.14	11.97		
15	QPSK	1	74	11.83	12.01	11.96		
15	QPSK	36	0	11.96	12.18	11.93	13.5	0
15	QPSK	36	20	11.81	12.15	11.81		
15	QPSK	36	39	11.78	12.07	11.89		
15	QPSK	75	0	12.00	12.06	11.94	13.5	0
15	16QAM	1	0	11.81	12.11	11.90		
15	16QAM	1	37	11.79	11.96	11.90		
15	16QAM	1	74	12.01	12.03	11.96	13.5	0
15	16QAM	36	0	11.87	12.15	11.85		
15	16QAM	36	20	11.92	12.06	11.95		
15	16QAM	36	39	12.13	12.13	12.22	13.5	0
15	16QAM	75	0	11.97	12.25	12.01		
15	64QAM	1	0	12.11	12.14	12.03		
15	64QAM	1	37	12.20	12.32	12.17	13.5	0
15	64QAM	1	74	12.05	12.26	11.92		
15	64QAM	36	0	12.05	12.29	12.17		
15	64QAM	36	20	12.00	12.28	12.14	13.5	0
15	64QAM	36	39	12.03	12.32	11.94		
15	64QAM	75	0	12.04	12.23	12.07		
15	256QAM	1	0	12.08	12.23	12.19	13.5	0
15	256QAM	1	37	11.94	12.27	12.05		
15	256QAM	1	74	12.02	12.19	12.08		
15	256QAM	36	0	12.15	12.27	12.07	13.5	0
15	256QAM	36	20	12.07	12.30	12.20		
15	256QAM	36	39	12.01	12.28	12.04		
15	256QAM	75	0	11.96	12.15	12.19		
Channel				20900	21100	21400	13.5	0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	11.99	12.13	12.01	13.5	0
10	QPSK	1	25	11.83	12.08	11.99		
10	QPSK	1	49	11.93	12.01	11.92		
10	QPSK	25	0	11.96	12.11	11.96	13.5	0
10	QPSK	25	12	11.86	12.04	11.84		
10	QPSK	25	25	11.77	12.09	11.89		
10	QPSK	50	0	11.99	12.00	12.02	13.5	0
10	16QAM	1	0	11.89	12.18	11.88		
10	16QAM	1	25	11.72	11.96	11.97		
10	16QAM	1	49	12.00	12.07	12.06	13.5	0
10	16QAM	25	0	11.95	12.11	11.83		
10	16QAM	25	12	11.90	12.03	12.03		
10	16QAM	25	25	12.05	12.09	12.14	13.5	0
10	16QAM	50	0	12.03	12.16	12.10		
10	64QAM	1	0	12.08	12.22	12.06		
10	64QAM	1	25	12.08	12.32	12.11	13.5	0
10	64QAM	1	49	12.15	12.31	12.06		
10	64QAM	25	0	12.06	12.23	12.12		
10	64QAM	25	12	12.06	12.23	12.12	13.5	0
10	64QAM	25	25	12.08	12.24	11.90		
10	64QAM	50	0	11.93	12.26	12.13		
10	256QAM	1	0	12.13	12.28	12.24	13.5	0
10	256QAM	1	25	12.02	12.22	11.96		
10	256QAM	1	49	12.13	12.12	12.05		
10	256QAM	25	0	12.12	12.25	12.15	13.5	0
10	256QAM	25	12	12.09	12.33	12.14		
10	256QAM	25	25	12.08	12.32	12.01		
10	256QAM	50	0	11.98	12.11	12.19		
Channel				20775	21100	21425	13.5	0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	12.08	12.21	12.07	13.5	0
5	QPSK	1	12	11.92	12.08	11.94		
5	QPSK	1	24	11.87	11.92	11.96		
5	QPSK	12	0	12.08	12.08	11.96	13.5	0
5	QPSK	12	7	11.90	12.06	11.78		
5	QPSK	12	13	11.88	12.04	11.93		
5	QPSK	25	0	11.95	12.14	12.04	13.5	0
5	16QAM	1	0	11.87	12.09	11.93		
5	16QAM	1	12	11.77	11.95	11.89		
5	16QAM	1	24	12.08	11.97	11.96	13.5	0
5	16QAM	12	0	12.00	12.14	11.89		
5	16QAM	12	7	11.98	11.95	12.02		
5	16QAM	12	13	12.14	12.14	12.15	13.5	0
5	16QAM	25	0	11.99	12.18	12.12		
5	64QAM	1	0	12.05	12.10	12.10		
5	64QAM	1	12	12.12	12.29	12.15	13.5	0
5	64QAM	1	24	12.08	12.30	11.96		
5	64QAM	12	0	12.12	12.24	12.10		
5	64QAM	12	7	11.99	12.28	12.17	13.5	0
5	64QAM	12	13	11.96	12.25	11.99		
5	64QAM	25	0	11.92	12.25	12.07		
5	256QAM	1	0	12.09	12.20	12.23	13.5	0
5	256QAM	1	12	11.99	12.22	11.99		
5	256QAM	1	24	12.00	12.15	12.01		
5	256QAM	12	0	12.15	12.25	12.12	13.5	0
5	256QAM	12	7	12.15	12.29	12.26		
5	256QAM	12	13	12.11	12.27	12.00		
5	256QAM	25	0	11.97	12.11	12.13		



Band 41_Ant 1 (ENDC)

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Min, Power Max, Power Avg, Power Peak, Turn-up time (min), MFR (dB), MFR (dB). Includes sub-headers for Frequency (MHz), Channel, and Change.

Band 41_Ant 4

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Min, Power Max, Power Avg, Power Peak, Turn-up time (min), MFR (dB), MFR (dB). Includes sub-headers for Frequency (MHz), Channel, and Change.

Band 41_HPUE_Ant 4

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power High, Power Min, Power Max, Power Avg, Power Peak, Turn-up time (min), MFR (dB), MFR (dB). Includes sub-headers for Frequency (MHz), Channel, and Change.



Uplink CA Power

CA_38C_Ant 4											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	0	0	0	1	0	Full Power	22.65	24.00
37901	38099	QPSK	1	0	0	0	1	0	Full Power	22.77	24.00
38150	37952	QPSK	1	0	0	0	1	0	Full Power	22.61	24.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 2	16.25	17.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 2	16.33	17.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 2	16.30	17.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 3	15.41	16.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 3	15.55	16.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 3	15.50	16.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 4	22.65	24.00
37901	38099	QPSK	1	0	0	0	1	0	DSI 4	22.77	24.00
38150	37952	QPSK	1	0	0	0	1	0	DSI 4	22.61	24.00
37850	38048	QPSK	1	0	0	0	1	0	DSI 6	20.41	21.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 6	20.50	21.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 6	20.43	21.50
37850	38048	QPSK	1	0	0	0	1	0	DSI 7	13.47	14.50
37901	38099	QPSK	1	0	0	0	1	0	DSI 7	13.56	14.50
38150	37952	QPSK	1	0	0	0	1	0	DSI 7	13.50	14.50



Downlink CA Power

Full Power																			
2CC																			
Configure		CA Configuration (BCS)	PCC						SCC				Power						
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)				
Intra-Band	Non-Contiguous	CA_5A-7A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	22.34	22.44				
		CA_7A-7A	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	22.53	22.64				
	Contiguous	CA_7B	Band 7	15M	2535	21100	QPSK	1	0	Band 7	5M	2664.30	3193	22.48	22.64				
		CA_7C	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.80	3298	22.60	22.64				
		CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	2599.80	38048	22.81	22.93				

3CC																			
Configure		CA Configuration (BCS)	PCC						SCC1				SCC2				Power		
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	Non-Contiguous	CA_41A-41A-41A	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	5M	2687.5	41565	Band 41	20M	2593	40620	22.71	22.79

4CC																							
Configure		CA Configuration (BCS)	PCC						SCC1				SCC2				SCC3				Power		
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Intra-Band	Non-Contiguous	CA_41A-41A-41C	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	5M	2498.5	39675	Band 41	20M	2660.2	41292	Band 41	20M	2680	41490	22.68	22.79
		CA_41A-41D	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	20M	2462.2	41094	Band 41	20M	2660.2	41292	Band 41	20M	2680	41490	22.65	22.79
		CA_41C-41C	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	20M	2569.3	40383	Band 41	20M	2660.2	41292	Band 41	20M	2680	41490	22.63	22.79
	Contiguous	CA_41E	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	20M	2569.3	40383	Band 41	20M	2589.1	40581	Band 41	20M	2608.9	40779	22.61	22.79



Full & Default Power

Part270 n77_Ant 5										
BIT (MHz)	Modulator	FB Size	FB Clock	Power Lvl Ch. 1 (W)	Power Lvl Ch. 2 (W)	Power Lvl Ch. 3 (W)	Turn-up Int (min)	MFR (dB)		
Channel										
Frequency (MHz)										
100	P10	1	1	20.28	20.28	20.28				
100	P10	1	1	20.32	20.32	20.32	24.0	0.0		
100	P10	1	1	20.36	20.36	20.36				
100	P10	1	1	20.40	20.40	20.40				
100	P10	1	1	20.44	20.44	20.44				
100	P10	1	1	20.48	20.48	20.48	24.0	0.0		
100	P10	1	1	20.52	20.52	20.52				
100	P10	1	1	20.56	20.56	20.56				
100	P10	1	1	20.60	20.60	20.60	24.0	0.0		
100	P10	1	1	20.64	20.64	20.64				
100	P10	1	1	20.68	20.68	20.68				
100	P10	1	1	20.72	20.72	20.72	24.0	0.0		
100	P10	1	1	20.76	20.76	20.76				
100	P10	1	1	20.80	20.80	20.80				
100	P10	1	1	20.84	20.84	20.84	24.0	0.0		
100	P10	1	1	20.88	20.88	20.88				
100	P10	1	1	20.92	20.92	20.92				
100	P10	1	1	20.96	20.96	20.96	24.0	0.0		
100	P10	1	1	21.00	21.00	21.00				
100	P10	1	1	21.04	21.04	21.04				
100	P10	1	1	21.08	21.08	21.08	24.0	0.0		
100	P10	1	1	21.12	21.12	21.12				
100	P10	1	1	21.16	21.16	21.16				
100	P10	1	1	21.20	21.20	21.20	24.0	0.0		
100	P10	1	1	21.24	21.24	21.24				
100	P10	1	1	21.28	21.28	21.28				
100	P10	1	1	21.32	21.32	21.32	24.0	0.0		
100	P10	1	1	21.36	21.36	21.36				
100	P10	1	1	21.40	21.40	21.40				
100	P10	1	1	21.44	21.44	21.44	24.0	0.0		
100	P10	1	1	21.48	21.48	21.48				
100	P10	1	1	21.52	21.52	21.52				
100	P10	1	1	21.56	21.56	21.56	24.0	0.0		
100	P10	1	1	21.60	21.60	21.60				
100	P10	1	1	21.64	21.64	21.64				
100	P10	1	1	21.68	21.68	21.68	24.0	0.0		
100	P10	1	1	21.72	21.72	21.72				
100	P10	1	1	21.76	21.76	21.76				
100	P10	1	1	21.80	21.80	21.80	24.0	0.0		
100	P10	1	1	21.84	21.84	21.84				
100	P10	1	1	21.88	21.88	21.88				
100	P10	1	1	21.92	21.92	21.92	24.0	0.0		
100	P10	1	1	21.96	21.96	21.96				
100	P10	1	1	22.00	22.00	22.00				
100	P10	1	1	22.04	22.04	22.04	24.0	0.0		
100	P10	1	1	22.08	22.08	22.08				
100	P10	1	1	22.12	22.12	22.12				
100	P10	1	1	22.16	22.16	22.16	24.0	0.0		
100	P10	1	1	22.20	22.20	22.20				
100	P10	1	1	22.24	22.24	22.24				
100	P10	1	1	22.28	22.28	22.28	24.0	0.0		
100	P10	1	1	22.32	22.32	22.32				
100	P10	1	1	22.36	22.36	22.36				
100	P10	1	1	22.40	22.40	22.40	24.0	0.0		
100	P10	1	1	22.44	22.44	22.44				
100	P10	1	1	22.48	22.48	22.48				
100	P10	1	1	22.52	22.52	22.52	24.0	0.0		
100	P10	1	1	22.56	22.56	22.56				
100	P10	1	1	22.60	22.60	22.60				
100	P10	1	1	22.64	22.64	22.64	24.0	0.0		
100	P10	1	1	22.68	22.68	22.68				
100	P10	1	1	22.72	22.72	22.72				
100	P10	1	1	22.76	22.76	22.76	24.0	0.0		
100	P10	1	1	22.80	22.80	22.80				
100	P10	1	1	22.84	22.84	22.84				
100	P10	1	1	22.88	22.88	22.88	24.0	0.0		
100	P10	1	1	22.92	22.92	22.92				
100	P10	1	1	22.96	22.96	22.96				
100	P10	1	1	23.00	23.00	23.00	24.0	0.0		
100	P10	1	1	23.04	23.04	23.04				
100	P10	1	1	23.08	23.08	23.08				
100	P10	1	1	23.12	23.12	23.12	24.0	0.0		
100	P10	1	1	23.16	23.16	23.16				
100	P10	1	1	23.20	23.20	23.20				
100	P10	1	1	23.24	23.24	23.24	24.0	0.0		
100	P10	1	1	23.28	23.28	23.28				
100	P10	1	1	23.32	23.32	23.32				
100	P10	1	1	23.36	23.36	23.36	24.0	0.0		
100	P10	1	1	23.40	23.40	23.40				
100	P10	1	1	23.44	23.44	23.44				
100	P10	1	1	23.48	23.48	23.48	24.0	0.0		
100	P10	1	1	23.52	23.52	23.52				
100	P10	1	1	23.56	23.56	23.56				
100	P10	1	1	23.60	23.60	23.60	24.0	0.0		
100	P10	1	1	23.64	23.64	23.64				
100	P10	1	1	23.68	23.68	23.68				
100	P10	1	1	23.72	23.72	23.72	24.0	0.0		
100	P10	1	1	23.76	23.76	23.76				
100	P10	1	1	23.80	23.80	23.80				
100	P10	1	1	23.84	23.84	23.84	24.0	0.0		
100	P10	1	1	23.88	23.88	23.88				
100	P10	1	1	23.92	23.92	23.92				
100	P10	1	1	23.96	23.96	23.96	24.0	0.0		
100	P10	1	1	24.00	24.00	24.00				

Part270 n77_HPUe_Ant 5										
BIT (MHz)	Modulator	FB Size	FB Clock	Power Lvl Ch. 1 (W)	Power Lvl Ch. 2 (W)	Power Lvl Ch. 3 (W)	Turn-up Int (min)	MFR (dB)		
Channel										
Frequency (MHz)										
100	P10	1	1	20.28	20.28	20.28				
100	P10	1	1	20.32	20.32	20.32	27.0	0.0		
100	P10	1	1	20.36	20.36	20.36				
100	P10	1	1	20.40	20.40	20.40				
100	P10	1	1	20.44	20.44	20.44	26.5	0.0		
100	P10	1	1	20.48	20.48	20.48				
100	P10	1	1	20.52	20.52	20.52	27.0	0.0		
100	P10	1	1	20.56	20.56	20.56				
100	P10	1	1	20.60	20.60	20.60				
100	P10	1	1	20.64	20.64	20.64	26.5	0.0		
100	P10	1	1	20.68	20.68	20.68				
100	P10	1	1	20.72	20.72	20.72	27.0	0.0		
100	P10	1	1	20.76	20.76	20.76				
100	P10	1	1	20.80	20.80	20.80				
100	P10	1	1	20.84	20.84	20.84	26.5	0.0		
100	P10	1	1	20.88	20.88	20.88				
100	P10	1	1	20.92	20.92	20.92	27.0	0.0		
100	P10	1	1	20.96	20.96	20.96				
100	P10	1	1	21.00	21.00	21.00				
100	P10	1	1	21.04	21.04	21.04	26.5	0.0		
100	P10	1	1	21.08	21.08	21.08				
100	P10	1	1	21.12	21.12	21.12	27.0	0.0		
100	P10	1	1	21.16	21.16	21.16				
100	P10	1	1	21.20	21.20	21.20				
100	P10	1	1	21.24	21.24	21.24	26.5	0.0		
100	P10	1	1	21.28	21.28	21.28				
100	P10	1	1	21.32	21.32	21.32	27.0	0.0		
100	P10	1	1	21.36	21.36	21.36				
100	P10	1	1	21.40	21.40	21.40				
100	P10	1	1	21.44	21.44	21.44	26.5	0.0		
100	P10	1	1	21.48	21.48	21.48				
100	P10	1	1	21.52	21.52	21.52	27.0	0.0		
100	P10	1	1	21.56	21.56	21.56				
100	P10	1	1	21.60	21.60	21.60				
100	P10	1	1	21.64	21.64	21.64	26.5	0.0		
100	P10	1	1	21.68	21.68	21.68				
100	P10	1	1	21.72	21.72	21.72	27.0	0.0		
100	P10	1	1	21.76	21.76	21.76				
100	P10	1	1	21.80	21.80	21.80				
100	P10	1	1	21.84	21.84	21.84	26.5	0.0		
100	P10	1	1	21.88	21.88	21.88				
100	P10	1	1	21.92	21.92	21.92	27.0	0.0		
100	P10	1	1	21.96	21.96	21.96				
100	P10	1	1	22.00	22.00	22.00				
100	P10	1	1	22.04	22.04	22.04	26.5	0.0		
100	P10	1	1	22.08	22.08	22.08				
100	P10	1	1	22.12	22.12	22.12	27.0	0.0		
100	P10	1	1	22.16	22.16	22.16				
100	P10	1	1	22.20	22.20	22.20				
100	P10	1	1	22.24	22.24	22.24	26.5	0.0		
100	P10	1	1	22.28	22.28	22.28				
100	P10	1	1	22.32	22.32	22.32	27.0	0.0		
100										



Part270 n78_Ant 5

SR (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch / Freq	Power Lvl Tx / Freq	Power Lvl Tx / Freq	Turn-up time (sec)	MFR (dB)
Channel								
Frequency (MHz)								
100	P12-BPSK	1	1	21.88	21.88	21.88		
100	P12-BPSK	1	1	21.87	21.87	21.87		
100	P12-BPSK	1	271	22.87	22.87	22.87	24.0	0.0
100	P12-BPSK	1	8	22.87	22.87	22.87		
100	P12-BPSK	130	88	22.87	22.87	22.87	24.0	0.0
100	P12-BPSK	130	138	22.87	22.87	22.87		
100	P12-BPSK	270	0	22.88	22.88	22.88	24.0	0.0
100	QPSK	1	1	22.82	22.82	22.82		
100	QPSK	1	137	22.82	22.82	22.82	24.0	0.0
100	QPSK	1	271	22.82	22.82	22.82		
100	QPSK	130	0	22.88	22.88	22.88	24.0	0.0
100	QPSK	130	88	22.88	22.88	22.88		
100	QPSK	130	138	22.88	22.88	22.88	24.0	0.0
100	QPSK	270	0	22.88	22.88	22.88		
100	QPSK	270	0	22.78	22.78	22.78	24.0	0.0
100	QPSK	1	1	22.78	22.78	22.78		
100	QPSK	1	1	22.78	22.78	22.78	24.0	0.0
100	QPSK	1	1	22.78	22.78	22.78		
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.88	20.88	20.88	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.88	20.88	20.88	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.88	20.88	20.88	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.88	20.88	20.88	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.88	20.88	20.88	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.88	20.88	20.88	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.88	20.88	20.88	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.88	20.88	20.88	24.0	0.0

Part270 n78_HPUE_Ant 5

SR (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch / Freq	Power Lvl Tx / Freq	Power Lvl Tx / Freq	Turn-up time (sec)	MFR (dB)
Channel								
Frequency (MHz)								
100	P12-BPSK	1	1	20.88	20.88	20.88		
100	P12-BPSK	1	1	20.87	20.87	20.87		
100	P12-BPSK	1	271	21.87	21.87	21.87	27.0	0.0
100	P12-BPSK	130	0	21.87	21.87	21.87	27.0	0.0
100	P12-BPSK	130	138	21.87	21.87	21.87	27.0	0.0
100	P12-BPSK	270	0	21.88	21.88	21.88	27.0	0.0
100	QPSK	1	1	20.88	20.88	20.88		
100	QPSK	1	137	20.88	20.88	20.88	27.0	0.0
100	QPSK	1	271	20.88	20.88	20.88		
100	QPSK	130	0	21.88	21.88	21.88	27.0	0.0
100	QPSK	130	88	21.88	21.88	21.88		
100	QPSK	130	138	21.88	21.88	21.88	27.0	0.0
100	QPSK	270	0	21.88	21.88	21.88		
100	QPSK	270	0	20.88	20.88	20.88	27.0	0.0
100	QPSK	1	1	20.88	20.88	20.88		
100	QPSK	1	1	20.88	20.88	20.88	27.0	0.0
100	QPSK	1	1	20.88	20.88	20.88		
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.78	20.78	20.78	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.78	20.78	20.78	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.78	20.78	20.78	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.78	20.78	20.78	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.78	20.78	20.78	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.78	20.78	20.78	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.78	20.78	20.78	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.78	20.78	20.78	27.0	0.0

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SR (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch / Freq	Power Lvl Tx / Freq	Power Lvl Tx / Freq	Turn-up time (sec)	MFR (dB)
Channel								
Frequency (MHz)								
100	P12-BPSK	1	1	18.88	18.88	18.88		
100	P12-BPSK	1	1	18.87	18.87	18.87		
100	P12-BPSK	1	271	19.87	19.87	19.87	20.0	0.0
100	P12-BPSK	130	0	19.87	19.87	19.87	20.0	0.0
100	P12-BPSK	130	138	19.87	19.87	19.87	20.0	0.0
100	P12-BPSK	270	0	19.88	19.88	19.88	20.0	0.0
100	QPSK	1	1	18.88	18.88	18.88		
100	QPSK	1	137	18.88	18.88	18.88	20.0	0.0
100	QPSK	1	271	18.88	18.88	18.88		
100	QPSK	130	0	19.88	19.88	19.88	20.0	0.0
100	QPSK	130	88	19.88	19.88	19.88		
100	QPSK	130	138	19.88	19.88	19.88	20.0	0.0
100	QPSK	270	0	19.88	19.88	19.88		
100	QPSK	270	0	18.88	18.88	18.88	20.0	0.0
100	QPSK	1	1	18.88	18.88	18.88		
100	QPSK	1	1	18.88	18.88	18.88	20.0	0.0
100	QPSK	1	1	18.88	18.88	18.88		
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.78	18.78	18.78	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.78	18.78	18.78	20.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.78	18.78	18.78	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.78	18.78	18.78	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.78	18.78	18.78	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.78	18.78	18.78	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.78	18.78	18.78	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.78	18.78	18.78	20.0	0.0

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SR (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch / Freq	Power Lvl Tx / Freq	Power Lvl Tx / Freq	Turn-up time (sec)	MFR (dB)
Channel								
Frequency (MHz)								
100	P12-BPSK	1	1	20.78	20.78	20.78		
100	P12-BPSK	1	1	20.77	20.77	20.77		
100	P12-BPSK	1	271	21.77	21.77	21.77	23.0	0.0
100	P12-BPSK	130	0	21.77	21.77	21.77	23.0	0.0
100	P12-BPSK	130	138	21.77	21.77	21.77	23.0	0.0
100	P12-BPSK	270	0	21.78	21.78	21.78	23.0	0.0
100	QPSK	1	1	20.78	20.78	20.78		
100	QPSK	1	137	20.78	20.78	20.78	23.0	0.0
100	QPSK	1	271	20.78	20.78	20.78		
100	QPSK	130	0	21.78	21.78	21.78	23.0	0.0
100	QPSK	130	88	21.78	21.78	21.78		
100	QPSK	130	138	21.78	21.78	21.78	23.0	0.0
100	QPSK	270	0	21.78	21.78	21.78		
100	QPSK	270	0	20.78	20.78	20.78	23.0	0.0
100	QPSK	1	1	20.78	20.78	20.78		
100	QPSK	1	1	20.78	20.78	20.78	23.0	0.0
100	QPSK	1	1	20.78	20.78	20.78		
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.68	20.68	20.68	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.68	20.68	20.68	23.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.68	20.68	20.68	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.68	20.68	20.68	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.68	20.68	20.68	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.68	20.68	20.68	23.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.68	20.68	20.68	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.68	20.68	20.68	23.0	0.0



Reduced Power for DSI 3

Part270 n77_Ant 5									
DSI (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (s)	MFR (dB)	MFR (dB)
Frequency (MHz)									
100	P10-BPSK	1	1	12.70	12.81	12.92		14.5	0.0
100	P10-BPSK	1	211	12.82	12.77	12.85		14.5	0.0
100	P10-BPSK	128	0	12.81	12.71	12.88		14.5	0.0
100	P10-BPSK	128	64	12.82	12.85	12.83		14.5	0.0
100	P10-BPSK	128	128	12.87	12.78	12.77		14.5	0.0
100	QPSK	0	0	12.70	12.81	12.92		14.5	0.0
100	QPSK	1	137	12.88	12.79	12.72		14.5	0.0
100	QPSK	0	211	12.82	12.71	12.88		14.5	0.0
100	QPSK	128	0	12.81	12.88	12.82		14.5	0.0
100	QPSK	128	64	12.82	12.78	12.85		14.5	0.0
100	QPSK	128	128	12.87	12.78	12.77		14.5	0.0
100	QPSK	256	0	12.71	12.74	12.85		14.5	0.0
100	QPSK	256	128	12.80	12.74	12.85		14.5	0.0
100	QPSK	256	256	12.82	12.76	12.85		14.5	0.0
100	QPSK	512	0	12.81	12.79	12.73		14.5	0.0
100	QPSK	512	128	12.87	12.82	12.85		14.5	0.0
100	QPSK	512	256	12.82	12.72	12.82		14.5	0.0
100	QPSK	512	384	12.83	12.80	12.85		14.5	0.0
100	QPSK	512	512	12.87	12.82	12.85		14.5	0.0
100	QPSK	1024	0	12.71	12.74	12.85		14.5	0.0
100	QPSK	1024	512	12.80	12.74	12.85		14.5	0.0
100	QPSK	1024	1024	12.82	12.76	12.85		14.5	0.0
100	QPSK	1024	1536	12.87	12.79	12.77		14.5	0.0
100	QPSK	1024	2048	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	2560	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	3072	12.87	12.82	12.85		14.5	0.0
100	QPSK	1024	3584	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	4096	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	4608	12.87	12.79	12.77		14.5	0.0
100	QPSK	1024	5120	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	5632	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	6144	12.87	12.82	12.85		14.5	0.0
100	QPSK	1024	6656	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	7168	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	7680	12.87	12.79	12.77		14.5	0.0
100	QPSK	1024	8192	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	8704	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	9216	12.87	12.82	12.85		14.5	0.0
100	QPSK	1024	9728	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	10240	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	10752	12.87	12.79	12.77		14.5	0.0
100	QPSK	1024	11264	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	11776	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	12288	12.87	12.82	12.85		14.5	0.0
100	QPSK	1024	12800	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	13312	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	13824	12.87	12.79	12.77		14.5	0.0
100	QPSK	1024	14336	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	14848	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	15360	12.87	12.82	12.85		14.5	0.0
100	QPSK	1024	15872	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	16384	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	16896	12.87	12.79	12.77		14.5	0.0
100	QPSK	1024	17408	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	17920	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	18432	12.87	12.82	12.85		14.5	0.0
100	QPSK	1024	18944	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	19456	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	19968	12.87	12.79	12.77		14.5	0.0
100	QPSK	1024	20480	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	20992	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	21504	12.87	12.82	12.85		14.5	0.0
100	QPSK	1024	22016	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	22528	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	23040	12.87	12.79	12.77		14.5	0.0
100	QPSK	1024	23552	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	24064	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	24576	12.87	12.82	12.85		14.5	0.0
100	QPSK	1024	25088	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	25600	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	26112	12.87	12.79	12.77		14.5	0.0
100	QPSK	1024	26624	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	27136	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	27648	12.87	12.82	12.85		14.5	0.0
100	QPSK	1024	28160	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	28672	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	29184	12.87	12.79	12.77		14.5	0.0
100	QPSK	1024	29696	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	30208	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	30720	12.87	12.82	12.85		14.5	0.0
100	QPSK	1024	31232	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	31744	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	32256	12.87	12.79	12.77		14.5	0.0
100	QPSK	1024	32768	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	33280	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	33792	12.87	12.82	12.85		14.5	0.0
100	QPSK	1024	34304	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	34816	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	35328	12.87	12.79	12.77		14.5	0.0
100	QPSK	1024	35840	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	36352	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	36864	12.87	12.82	12.85		14.5	0.0
100	QPSK	1024	37376	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	37888	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	38400	12.87	12.79	12.77		14.5	0.0
100	QPSK	1024	38912	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	39424	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	39936	12.87	12.82	12.85		14.5	0.0
100	QPSK	1024	40448	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	40960	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	41472	12.87	12.79	12.77		14.5	0.0
100	QPSK	1024	41984	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	42496	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	43008	12.87	12.82	12.85		14.5	0.0
100	QPSK	1024	43520	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	44032	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	44544	12.87	12.79	12.77		14.5	0.0
100	QPSK	1024	45056	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	45568	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	46080	12.87	12.82	12.85		14.5	0.0
100	QPSK	1024	46592	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	47104	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	47616	12.87	12.79	12.77		14.5	0.0
100	QPSK	1024	48128	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	48640	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	49152	12.87	12.82	12.85		14.5	0.0
100	QPSK	1024	49664	12.82	12.72	12.82		14.5	0.0
100	QPSK	1024	50176	12.83	12.80	12.85		14.5	0.0
100	QPSK	1024	50688	12.8					



Reduced Power for DSI 6

Part270 n77_Ant 5									
DW (MHz)	Modulation	RS Size	RS Offset	Low Pwr. Co. (10000)	Max. Pwr. Co. (10000)	High Pwr. Co. (10000)	Temp. Int. (dB)	MPE (dB)	
Channel									
100	P270 BPSK	1	1	18.12	18.27	18.17			
100	P270 BPSK	1	107	18.12	18.27	18.17	20.0	0.0	
100	P270 BPSK	1	213	18.12	18.27	18.17			
100	P270 BPSK	15	0	18.14	18.29	18.20	20.0	0.0	
100	P270 BPSK	15	00	18.16	18.31	18.22	20.0	0.0	
100	P270 BPSK	15	108	18.16	18.31	18.22	20.0	0.0	
100	P270 BPSK	210	0	18.17	18.32	18.23			
100	CPFSK	1	1	18.21	18.36	18.28			
100	CPFSK	1	107	18.21	18.36	18.28	20.0	0.0	
100	CPFSK	1	213	18.21	18.36	18.28			
100	CPFSK	15	0	18.23	18.38	18.29	20.0	0.0	
100	CPFSK	15	00	18.25	18.40	18.31	20.0	0.0	
100	CPFSK	15	108	18.25	18.40	18.31	20.0	0.0	
100	CPFSK	210	0	18.27	18.42	18.33			
100	HDQAM	1	1	18.31	18.46	18.38			
100	HDQAM	1	107	18.31	18.46	18.38	20.0	0.0	
100	HDQAM	1	213	18.31	18.46	18.38			
100	270QAM	1	1	18.35	18.50	18.41	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.10	18.19	18.20	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.17	18.27	18.15	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.10	18.19	18.20	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.17	18.27	18.15	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.10	18.19	18.20	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.17	18.27	18.15	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.10	18.19	18.20	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.17	18.27	18.15	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.10	18.19	18.20	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.17	18.27	18.15	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.10	18.19	18.20	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.17	18.27	18.15	20.0	0.0	

Part270 n77_HPUE_Ant 5									
DW (MHz)	Modulation	RS Size	RS Offset	Low Pwr. Co. (10000)	Max. Pwr. Co. (10000)	High Pwr. Co. (10000)	Temp. Int. (dB)	MPE (dB)	
Channel									
100	P270 BPSK	1	1	18.12	18.27	18.17			
100	P270 BPSK	1	107	18.12	18.27	18.17	20.0	0.0	
100	P270 BPSK	1	213	18.12	18.27	18.17			
100	P270 BPSK	15	0	18.14	18.29	18.24	20.0	0.0	
100	P270 BPSK	15	00	18.16	18.31	18.26	20.0	0.0	
100	P270 BPSK	15	108	18.16	18.31	18.26	20.0	0.0	
100	P270 BPSK	210	0	18.17	18.32	18.27			
100	CPFSK	1	1	18.21	18.36	18.28			
100	CPFSK	1	107	18.21	18.36	18.28	20.0	0.0	
100	CPFSK	1	213	18.21	18.36	18.28			
100	CPFSK	15	0	18.23	18.38	18.29	20.0	0.0	
100	CPFSK	15	00	18.25	18.40	18.31	20.0	0.0	
100	CPFSK	15	108	18.25	18.40	18.31	20.0	0.0	
100	CPFSK	210	0	18.27	18.42	18.33			
100	HDQAM	1	1	18.31	18.46	18.38			
100	HDQAM	1	107	18.31	18.46	18.38	20.0	0.0	
100	HDQAM	1	213	18.31	18.46	18.38			
100	270QAM	1	1	18.35	18.50	18.41	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.10	18.19	18.20	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.17	18.27	18.15	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.10	18.19	18.20	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.17	18.27	18.15	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.10	18.19	18.20	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.17	18.27	18.15	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.10	18.19	18.20	20.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	18.17	18.27	18.15	20.0	0.0	

Part270 n77_Ant 1(SRS)									
DW (MHz)	Modulation	RS Size	RS Offset	Low Pwr. Co. (10000)	Max. Pwr. Co. (10000)	High Pwr. Co. (10000)	Temp. Int. (dB)	MPE (dB)	
Channel									
100	P270 BPSK	1	1	17.20	17.20	17.20	18.5	0.0	
100	P270 BPSK	1	107	17.22	17.22	17.22			
100	P270 BPSK	1	213	17.22	17.22	17.22			
100	P270 BPSK	15	0	17.14	17.20	17.20	18.5	0.0	
100	P270 BPSK	15	00	17.26	17.20	17.20	18.5	0.0	
100	P270 BPSK	15	108	17.20	17.20	17.20	18.5	0.0	
100	P270 BPSK	210	0	17.14	17.20	17.20			
100	CPFSK	1	1	17.20	17.20	17.20			
100	CPFSK	1	107	17.22	17.22	17.22	18.5	0.0	
100	CPFSK	1	213	17.22	17.22	17.22			
100	CPFSK	15	0	17.14	17.20	17.20	18.5	0.0	
100	CPFSK	15	00	17.26	17.20	17.20	18.5	0.0	
100	CPFSK	15	108	17.20	17.20	17.20	18.5	0.0	
100	CPFSK	210	0	17.14	17.20	17.20			
100	HDQAM	1	1	17.20	17.20	17.20	18.5	0.0	
100	HDQAM	1	107	17.22	17.22	17.22	18.5	0.0	
100	HDQAM	1	213	17.22	17.22	17.22	18.5	0.0	
100	270QAM	1	1	18.43	18.50	18.44	17.0	1.5	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	17.20	17.20	17.20	18.5	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	17.22	17.22	17.22	18.5	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	17.20	17.20	17.20	18.5	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	17.22	17.22	17.22	18.5	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	17.20	17.20	17.20	18.5	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	17.22	17.22	17.22	18.5	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	17.20	17.20	17.20	18.5	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	17.22	17.22	17.22	18.5	0.0	

Part270 n77_HPUE_Ant 1(SRS)									
DW (MHz)	Modulation	RS Size	RS Offset	Low Pwr. Co. (10000)	Max. Pwr. Co. (10000)	High Pwr. Co. (10000)	Temp. Int. (dB)	MPE (dB)	
Channel									
100	P270 BPSK	1	1	20.30	20.30	20.30			
100	P270 BPSK	1	107	20.32	20.32	20.32	21.0	0.0	
100	P270 BPSK	1	213	20.32	20.32	20.32			
100	P270 BPSK	15	0	20.34	20.30	20.30	21.0	0.0	
100	P270 BPSK	15	00	20.36	20.30	20.30	21.0	0.0	
100	P270 BPSK	15	108	20.30	20.30	20.30	21.0	0.0	
100	P270 BPSK	210	0	20.34	20.34	20.34			
100	CPFSK	1	1	20.30	20.30	20.30			
100	CPFSK	1	107	20.32	20.32	20.32	21.0	0.0	
100	CPFSK	1	213	20.32	20.32	20.32			
100	CPFSK	15	0	20.34	20.30	20.30	21.0	0.0	
100	CPFSK	15	00	20.36	20.30	20.30	21.0	0.0	
100	CPFSK	15	108	20.30	20.30	20.30	21.0	0.0	
100	CPFSK	210	0	20.34	20.34	20.34			
100	HDQAM	1	1	18.20	18.20	18.20	20.0	0.0	
100	HDQAM	1	107	18.22	18.20	18.20	20.0	0.0	
100	HDQAM	1	213	18.22	18.20	18.20	20.0	0.0	
100	270QAM	1	1	18.42	18.54	18.48	17.0	4.5	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	20.30	20.30	20.30	21.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	20.32	20.32	20.32	21.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	20.30	20.30	20.30	21.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	20.32	20.32	20.32	21.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	20.30	20.30	20.30	21.0	0.0	
Channel									
Frequency (MHz)									
90	CPFSK	1	1	20.32	20.32	20.32	21.0	0.0	



Part270 n77_Ant 2(SRS)										
SRV (MHz)	Multiplex	RB Size	RB Offset	Power Tx / Freq.	Power Rx / Freq.	Power Tx / Freq.	Power Tx / Freq.	Power Tx / Freq.	Turn-up time (min)	ERP (dB)
Channel										
Frequency (MHz)										
100	PBC-BPSK	1	1	10.25	10.21	10.23	10.27	10.29	120	0.0
100	PBC-BPSK	1	107	10.81	10.79	10.83	10.85	10.87	120	0.0
100	PBC-BPSK	1	211	11.37	11.35	11.39	11.41	11.43	120	0.0
100	PBC-BPSK	1	315	11.93	11.91	11.95	11.97	11.99	120	0.0
100	PBC-BPSK	1	419	12.49	12.47	12.51	12.53	12.55	120	0.0
100	PBC-BPSK	1	523	13.05	13.03	13.07	13.09	13.11	120	0.0
100	PBC-BPSK	1	627	13.61	13.59	13.63	13.65	13.67	120	0.0
100	PBC-BPSK	1	731	14.17	14.15	14.19	14.21	14.23	120	0.0
100	PBC-BPSK	1	835	14.73	14.71	14.75	14.77	14.79	120	0.0
100	PBC-BPSK	1	939	15.29	15.27	15.31	15.33	15.35	120	0.0
100	PBC-BPSK	1	1043	15.85	15.83	15.87	15.89	15.91	120	0.0
100	PBC-BPSK	1	1147	16.41	16.39	16.43	16.45	16.47	120	0.0
100	PBC-BPSK	1	1251	16.97	16.95	16.99	17.01	17.03	120	0.0
100	PBC-BPSK	1	1355	17.53	17.51	17.55	17.57	17.59	120	0.0
100	PBC-BPSK	1	1459	18.09	18.07	18.11	18.13	18.15	120	0.0
100	PBC-BPSK	1	1563	18.65	18.63	18.67	18.69	18.71	120	0.0
100	PBC-BPSK	1	1667	19.21	19.19	19.23	19.25	19.27	120	0.0
100	PBC-BPSK	1	1771	19.77	19.75	19.79	19.81	19.83	120	0.0
100	PBC-BPSK	1	1875	20.33	20.31	20.35	20.37	20.39	120	0.0
100	PBC-BPSK	1	1979	20.89	20.87	20.91	20.93	20.95	120	0.0
100	PBC-BPSK	1	2083	21.45	21.43	21.47	21.49	21.51	120	0.0
100	PBC-BPSK	1	2187	22.01	21.99	22.03	22.05	22.07	120	0.0
100	PBC-BPSK	1	2291	22.57	22.55	22.59	22.61	22.63	120	0.0
100	PBC-BPSK	1	2395	23.13	23.11	23.15	23.17	23.19	120	0.0
100	PBC-BPSK	1	2499	23.69	23.67	23.71	23.73	23.75	120	0.0
100	PBC-BPSK	1	2603	24.25	24.23	24.27	24.29	24.31	120	0.0
100	PBC-BPSK	1	2707	24.81	24.79	24.83	24.85	24.87	120	0.0
100	PBC-BPSK	1	2811	25.37	25.35	25.39	25.41	25.43	120	0.0
100	PBC-BPSK	1	2915	25.93	25.91	25.95	25.97	25.99	120	0.0
100	PBC-BPSK	1	3019	26.49	26.47	26.51	26.53	26.55	120	0.0
100	PBC-BPSK	1	3123	27.05	27.03	27.07	27.09	27.11	120	0.0
100	PBC-BPSK	1	3227	27.61	27.59	27.63	27.65	27.67	120	0.0
100	PBC-BPSK	1	3331	28.17	28.15	28.19	28.21	28.23	120	0.0
100	PBC-BPSK	1	3435	28.73	28.71	28.75	28.77	28.79	120	0.0
100	PBC-BPSK	1	3539	29.29	29.27	29.31	29.33	29.35	120	0.0
100	PBC-BPSK	1	3643	29.85	29.83	29.87	29.89	29.91	120	0.0
100	PBC-BPSK	1	3747	30.41	30.39	30.43	30.45	30.47	120	0.0
100	PBC-BPSK	1	3851	30.97	30.95	30.99	31.01	31.03	120	0.0
100	PBC-BPSK	1	3955	31.53	31.51	31.55	31.57	31.59	120	0.0
100	PBC-BPSK	1	4059	32.09	32.07	32.11	32.13	32.15	120	0.0
100	PBC-BPSK	1	4163	32.65	32.63	32.67	32.69	32.71	120	0.0
100	PBC-BPSK	1	4267	33.21	33.19	33.23	33.25	33.27	120	0.0
100	PBC-BPSK	1	4371	33.77	33.75	33.79	33.81	33.83	120	0.0
100	PBC-BPSK	1	4475	34.33	34.31	34.35	34.37	34.39	120	0.0
100	PBC-BPSK	1	4579	34.89	34.87	34.91	34.93	34.95	120	0.0
100	PBC-BPSK	1	4683	35.45	35.43	35.47	35.49	35.51	120	0.0
100	PBC-BPSK	1	4787	36.01	35.99	36.03	36.05	36.07	120	0.0
100	PBC-BPSK	1	4891	36.57	36.55	36.59	36.61	36.63	120	0.0
100	PBC-BPSK	1	4995	37.13	37.11	37.15	37.17	37.19	120	0.0
100	PBC-BPSK	1	5099	37.69	37.67	37.71	37.73	37.75	120	0.0
100	PBC-BPSK	1	5203	38.25	38.23	38.27	38.29	38.31	120	0.0
100	PBC-BPSK	1	5307	38.81	38.79	38.83	38.85	38.87	120	0.0
100	PBC-BPSK	1	5411	39.37	39.35	39.39	39.41	39.43	120	0.0
100	PBC-BPSK	1	5515	39.93	39.91	39.95	39.97	39.99	120	0.0
100	PBC-BPSK	1	5619	40.49	40.47	40.51	40.53	40.55	120	0.0
100	PBC-BPSK	1	5723	41.05	41.03	41.07	41.09	41.11	120	0.0
100	PBC-BPSK	1	5827	41.61	41.59	41.63	41.65	41.67	120	0.0
100	PBC-BPSK	1	5931	42.17	42.15	42.19	42.21	42.23	120	0.0
100	PBC-BPSK	1	6035	42.73	42.71	42.75	42.77	42.79	120	0.0
100	PBC-BPSK	1	6139	43.29	43.27	43.31	43.33	43.35	120	0.0
100	PBC-BPSK	1	6243	43.85	43.83	43.87	43.89	43.91	120	0.0
100	PBC-BPSK	1	6347	44.41	44.39	44.43	44.45	44.47	120	0.0
100	PBC-BPSK	1	6451	44.97	44.95	44.99	45.01	45.03	120	0.0
100	PBC-BPSK	1	6555	45.53	45.51	45.55	45.57	45.59	120	0.0
100	PBC-BPSK	1	6659	46.09	46.07	46.11	46.13	46.15	120	0.0
100	PBC-BPSK	1	6763	46.65	46.63	46.67	46.69	46.71	120	0.0
100	PBC-BPSK	1	6867	47.21	47.19	47.23	47.25	47.27	120	0.0
100	PBC-BPSK	1	6971	47.77	47.75	47.79	47.81	47.83	120	0.0
100	PBC-BPSK	1	7075	48.33	48.31	48.35	48.37	48.39	120	0.0
100	PBC-BPSK	1	7179	48.89	48.87	48.91	48.93	48.95	120	0.0
100	PBC-BPSK	1	7283	49.45	49.43	49.47	49.49	49.51	120	0.0
100	PBC-BPSK	1	7387	50.01	49.99	50.03	50.05	50.07	120	0.0
100	PBC-BPSK	1	7491	50.57	50.55	50.59	50.61	50.63	120	0.0
100	PBC-BPSK	1	7595	51.13	51.11	51.15	51.17	51.19	120	0.0
100	PBC-BPSK	1	7699	51.69	51.67	51.71	51.73	51.75	120	0.0
100	PBC-BPSK	1	7803	52.25	52.23	52.27	52.29	52.31	120	0.0
100	PBC-BPSK	1	7907	52.81	52.79	52.83	52.85	52.87	120	0.0
100	PBC-BPSK	1	8011	53.37	53.35	53.39	53.41	53.43	120	0.0
100	PBC-BPSK	1	8115	53.93	53.91	53.95	53.97	53.99	120	0.0
100	PBC-BPSK	1	8219	54.49	54.47	54.51	54.53	54.55	120	0.0
100	PBC-BPSK	1	8323	55.05	55.03	55.07	55.09	55.11	120	0.0
100	PBC-BPSK	1	8427	55.61	55.59	55.63	55.65	55.67	120	0.0
100	PBC-BPSK	1	8531	56.17	56.15	56.19	56.21	56.23	120	0.0
100	PBC-BPSK	1	8635	56.73	56.71	56.75	56.77	56.79	120	0.0
100	PBC-BPSK	1	8739	57.29	57.27	57.31	57.33	57.35	120	0.0
100	PBC-BPSK	1	8843	57.85	57.83	57.87	57.89	57.91	120	0.0
100	PBC-BPSK	1	8947	58.41	58.39	58.43	58.45	58.47	120	0.0
100	PBC-BPSK	1	9051	58.97	58.95	58.99	59.01	59.03	120	0.0
100	PBC-BPSK	1	9155	59.53	59.51	59.55	59.57	59.59	120	0.0
100	PBC-BPSK	1	9259	60.09	60.07	60.11	60.13	60.15	120	0.0
100	PBC-BPSK	1	9363	60.65	60.63	60.67	60.69	60.71	120	0.0
100	PBC-BPSK	1	9467	61.21	61.19	61.23	61.25	61.27	120	0.0
100	PBC-BPSK	1	9571	61.77	61.75	61.79	61.81	61.83	120	0.0
100	PBC-BPSK	1	9675	62.33	62.31	62.35	62.37	62.39	120	0.0
100	PBC-BPSK	1	9779	62.89	62.87	62.91	62.93	62.95	120	0.0
100	PBC-BPSK	1	9883	63.45	63.43	63.47	63.49	63.51	120	0.0
100	PBC-BPSK	1	9987	64.01	63.99	64.03	64.05	64.07	120	0.0
100	PBC-BPSK	1	10091	64.57	64.55	64.59	64.61	64.63	120	0.0
100	PBC-BPSK	1	10195	65.13	65.11	65.15	65.17	65.19	120	0.0
100	PBC-BPSK	1	10299	65.69	65.67	65.71	65.73	65.75	120	0.0
100	PBC-BPSK	1	10403	66.25	66.23	66.27	66.29	66.31	120	0.0
100	PBC-BPSK	1	10507	66.81	66.79	66.83	66.85	66.87	120	0.0
100	PBC-BPSK	1	10611	67.37	67.35	67.39	67.41	67.43	120	0.0
100	PBC-BPSK	1	10715	67.93	67.91	67.95	67.97	67.99	120	0.0
100	PBC-BPSK	1	10819	68.49						



Part270 n77_Ant 2(SRS)										
RF ID#	Modulation	RF Size	RF Ch#	Power Tx Ch / Freq	Power Rx Ch / Freq	Power Tgt Ch / Freq	Turn-up time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
100	PID-BPSK	1	1	17.16	17.26	17.16				
100	PID-BPSK	1	137	17.17	17.25	17.25	14.5	0.0		
Channel										
Frequency (MHz)										
100	PID-BPSK	1	271	17.21	17.27	17.16				
100	PID-BPSK	136	6	17.16	17.21	17.16	16.5	0.0		
100	PID-BPSK	136	66	17.12	17.21	17.11	16.5	0.0		
100	PID-BPSK	136	166	17.25	17.22	17.15	14.5	0.0		
100	PID-BPSK	270	6	17.26	17.28	17.13				
100	QPSK	1	137	17.26	17.28	17.13	16.5	0.0		
100	QPSK	1	271	17.41	17.25	17.21				
100	QPSK	136	6	17.12	17.26	17.16				
100	QPSK	136	66	17.14	17.26	17.26	16.0	0.0		
100	QPSK	136	166	17.22	17.21	17.21	16.0	0.0		
100	HDQAM	1	1	17.12	17.25	17.14	16.5	0.0		
100	HDQAM	1	1	17.16	17.26	17.26	16.0	0.0		
100	HDQAM	1	1	16.57	16.13	16.06	17.0	1.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	17.25	17.30	17.26	16.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	17.25	17.30	17.26	16.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	17.19	17.23	17.26	16.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	17.21	17.26	17.21	16.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	17.24	17.26	17.26	16.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	17.21	17.26	17.22	16.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	17.20	17.20	17.20	16.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	17.22	17.20	17.20	16.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	17.22	17.20	17.20	16.5	0.0		

Part270 n77_HPUE_Ant 2(SRS)										
RF ID#	Modulation	RF Size	RF Ch#	Power Tx Ch / Freq	Power Rx Ch / Freq	Power Tgt Ch / Freq	Turn-up time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
100	PID-BPSK	1	1	17.16	17.26	17.16				
100	PID-BPSK	1	137	17.17	17.25	17.25	14.5	0.0		
Channel										
Frequency (MHz)										
100	PID-BPSK	1	271	17.21	17.27	17.16				
100	PID-BPSK	136	6	17.16	17.21	17.16	16.5	0.0		
100	PID-BPSK	136	66	17.12	17.21	17.11	16.5	0.0		
100	PID-BPSK	136	166	17.25	17.22	17.15	14.5	0.0		
100	PID-BPSK	270	6	17.26	17.28	17.13				
100	QPSK	1	137	17.26	17.28	17.13	16.5	0.0		
100	QPSK	1	271	17.41	17.25	17.21				
100	QPSK	136	6	17.12	17.26	17.16				
100	QPSK	136	66	17.14	17.26	17.26	16.0	0.0		
100	QPSK	136	166	17.22	17.21	17.21	16.0	0.0		
100	HDQAM	1	1	17.12	17.25	17.14	16.5	0.0		
100	HDQAM	1	1	17.16	17.26	17.26	16.0	0.0		
100	HDQAM	1	1	16.57	16.13	16.06	17.0	1.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	17.25	17.30	17.26	16.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	17.25	17.30	17.26	16.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	17.19	17.23	17.26	16.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	17.21	17.26	17.21	16.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	17.24	17.26	17.26	16.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	17.21	17.26	17.22	16.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	17.20	17.20	17.20	16.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	17.22	17.20	17.20	16.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	17.22	17.20	17.20	16.5	0.0		

Part270 n77_Ant 8(SRS)										
RF ID#	Modulation	RF Size	RF Ch#	Power Tx Ch / Freq	Power Rx Ch / Freq	Power Tgt Ch / Freq	Turn-up time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
100	PID-BPSK	1	1	20.21	20.21	20.21				
100	PID-BPSK	1	137	20.22	20.24	20.24	22.0	0.0		
Channel										
Frequency (MHz)										
100	PID-BPSK	1	271	20.22	20.24	20.24				
100	PID-BPSK	136	6	20.14	20.16	20.16	22.0	0.0		
100	PID-BPSK	136	66	20.16	20.20	20.20	22.0	0.0		
100	PID-BPSK	136	166	20.16	20.20	20.20	19.0	0.0		
100	PID-BPSK	270	6	20.22	20.22	20.22				
100	QPSK	1	137	20.18	20.13	20.20	22.0	0.0		
100	QPSK	1	271	20.22	20.20	20.21				
100	QPSK	136	6	20.07	20.21	20.15				
100	QPSK	136	66	20.11	20.21	20.21	22.0	0.0		
100	QPSK	136	166	20.22	20.20	20.21	22.0	0.0		
100	HDQAM	1	1	20.14	20.20	20.14	22.0	0.0		
100	HDQAM	1	1	20.17	20.27	20.21	22.0	0.0		
100	HDQAM	1	1	20.14	20.20	20.14	22.0	0.0		
100	HDQAM	1	1	20.17	20.27	20.21	22.0	0.0		
100	HDQAM	1	1	20.14	20.20	20.14	22.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	20.21	20.21	20.20	22.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	20.21	20.21	20.20	22.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	20.14	20.16	20.20	22.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	20.16	20.20	20.15	22.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	20.18	20.20	20.15	22.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	20.16	20.20	20.20	22.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	20.14	20.20	20.14	22.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	20.14	20.20	20.14	22.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	20.13	20.20	20.13	22.0	0.0		

Part270 n77_HPUE_Ant 8(SRS)										
RF ID#	Modulation	RF Size	RF Ch#	Power Tx Ch / Freq	Power Rx Ch / Freq	Power Tgt Ch / Freq	Turn-up time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
100	PID-BPSK	1	1	20.21	20.21	20.21				
100	PID-BPSK	1	137	20.22	20.24	20.24	22.0	0.0		
Channel										
Frequency (MHz)										
100	PID-BPSK	1	271	20.22	20.24	20.24				
100	PID-BPSK	136	6	20.14	20.16	20.16	22.0	0.0		
100	PID-BPSK	136	66	20.16	20.20	20.20	22.0	0.0		
100	PID-BPSK	136	166	20.16	20.20	20.20	19.0	0.0		
100	PID-BPSK	270	6	20.22	20.22	20.22				
100	QPSK	1	137	20.18	20.13	20.20	22.0	0.0		
100	QPSK	1	271	20.22	20.20	20.21				
100	QPSK	136	6	20.07	20.21	20.15				
100	QPSK	136	66	20.11	20.21	20.21	22.0	0.0		
100	QPSK	136	166	20.22	20.20	20.21	22.0	0.0		
100	HDQAM	1	1	20.14	20.20	20.14	22.0	0.0		
100	HDQAM	1	1	20.17	20.27	20.21	22.0	0.0		
100	HDQAM	1	1	20.14	20.20	20.14	22.0	0.0		
100	HDQAM	1	1	20.17	20.27	20.21	22.0	0.0		
100	HDQAM	1	1	20.14	20.20	20.14	22.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	20.21	20.21	20.20	22.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	20.21	20.21	20.20	22.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	20.14	20.16	20.20	22.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	20.16	20.20	20.15	22.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	20.18	20.20	20.15	22.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	20.16	20.20	20.20	22.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	20.14	20.20	20.14	22.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	20.14	20.20	20.14	22.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	20.13	20.20	20.13	22.0	0.0		



Part270 n78_Ant 5									
RF (MHz)	Modulation	RF Size	RF ChSize	Power Tx / Freq.	Power Rx / Freq.	Power Tgt. / Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P2D-BPSK	1	1	22.70	22.70	22.70	240	0.0	
100	P2D-BPSK	1	137	22.82	22.82	22.82			
100	P2D-BPSK	1	271	22.87	22.87	22.87			
100	P2D-BPSK	138	0	22.87	22.87	22.87	240	0.0	
100	P2D-BPSK	138	0	22.87	22.87	22.87	240	0.0	
100	P2D-BPSK	138	0	22.87	22.87	22.87	240	0.0	
100	P2D-BPSK	270	0	22.88	22.88	22.88	240	0.0	
100	QPSK	1	1	22.92	22.92	22.92			
100	QPSK	1	137	22.92	22.92	22.92	240	0.0	
100	QPSK	1	271	22.92	22.92	22.92			
100	QPSK	138	0	22.92	22.92	22.92	240	0.0	
100	QPSK	138	0	22.92	22.92	22.92	240	0.0	
100	QPSK	138	0	22.92	22.92	22.92	240	0.0	
100	QPSK	270	0	22.92	22.92	22.92	240	0.0	
100	RCSSM	1	1	23.78	23.78	23.78	240	0.0	
100	RCSSM	1	1	23.78	23.78	23.78	240	0.0	
100	RCSSM	1	1	23.78	23.78	23.78	240	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.70	23.70	23.70	240	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.92	23.92	23.92	240	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.88	23.88	23.88	240	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.80	23.80	23.80	240	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.74	23.74	23.74	240	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.70	23.70	23.70	240	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.72	23.72	23.72	240	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.72	23.72	23.72	240	0.0	

Part270 n78_HPUE_Ant 5									
RF (MHz)	Modulation	RF Size	RF ChSize	Power Tx / Freq.	Power Rx / Freq.	Power Tgt. / Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P2D-BPSK	1	1	25.70	25.70	25.70	270	0.0	
100	P2D-BPSK	1	137	25.82	25.82	25.82			
100	P2D-BPSK	1	271	25.87	25.87	25.87			
100	P2D-BPSK	138	0	25.87	25.87	25.87	270	0.0	
100	P2D-BPSK	138	0	25.87	25.87	25.87	270	0.0	
100	P2D-BPSK	138	0	25.87	25.87	25.87	270	0.0	
100	P2D-BPSK	270	0	25.88	25.88	25.88	270	0.0	
100	QPSK	1	1	25.92	25.92	25.92			
100	QPSK	1	137	25.92	25.92	25.92	270	0.0	
100	QPSK	1	271	25.92	25.92	25.92			
100	QPSK	138	0	25.92	25.92	25.92	270	0.0	
100	QPSK	138	0	25.92	25.92	25.92	270	0.0	
100	QPSK	138	0	25.92	25.92	25.92	270	0.0	
100	QPSK	270	0	25.92	25.92	25.92	270	0.0	
100	RCSSM	1	1	26.50	26.50	26.50	270	0.0	
100	RCSSM	1	1	26.50	26.50	26.50	270	0.0	
100	RCSSM	1	1	26.50	26.50	26.50	270	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.70	25.70	25.70	270	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.78	25.78	25.78	270	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.80	25.80	25.80	270	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.80	25.80	25.80	270	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.74	25.74	25.74	270	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.70	25.70	25.70	270	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.72	25.72	25.72	270	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.72	25.72	25.72	270	0.0	

Part270 n78_Ant 1									
RF (MHz)	Modulation	RF Size	RF ChSize	Power Tx / Freq.	Power Rx / Freq.	Power Tgt. / Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P2D-BPSK	1	1	18.90	18.90	18.90	200	0.0	
100	P2D-BPSK	1	137	19.02	19.02	19.02			
100	P2D-BPSK	1	271	19.07	19.07	19.07			
100	P2D-BPSK	138	0	19.07	19.07	19.07	200	0.0	
100	P2D-BPSK	138	0	19.07	19.07	19.07	200	0.0	
100	P2D-BPSK	138	0	19.07	19.07	19.07	200	0.0	
100	P2D-BPSK	270	0	19.08	19.08	19.08	200	0.0	
100	QPSK	1	1	19.12	19.12	19.12			
100	QPSK	1	137	19.12	19.12	19.12	200	0.0	
100	QPSK	1	271	19.12	19.12	19.12			
100	QPSK	138	0	19.12	19.12	19.12	200	0.0	
100	QPSK	138	0	19.12	19.12	19.12	200	0.0	
100	QPSK	138	0	19.12	19.12	19.12	200	0.0	
100	QPSK	270	0	19.12	19.12	19.12	200	0.0	
100	RCSSM	1	1	19.70	19.70	19.70	200	0.0	
100	RCSSM	1	1	19.70	19.70	19.70	200	0.0	
100	RCSSM	1	1	19.70	19.70	19.70	200	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.90	18.90	18.90	200	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.98	18.98	18.98	200	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.00	19.00	19.00	200	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.00	19.00	19.00	200	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.94	18.94	18.94	200	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.90	18.90	18.90	200	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.92	18.92	18.92	200	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.92	18.92	18.92	200	0.0	

Part270 n78_HPUE_Ant 1									
RF (MHz)	Modulation	RF Size	RF ChSize	Power Tx / Freq.	Power Rx / Freq.	Power Tgt. / Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P2D-BPSK	1	1	21.70	21.70	21.70	210	0.0	
100	P2D-BPSK	1	137	21.82	21.82	21.82			
100	P2D-BPSK	1	271	21.87	21.87	21.87			
100	P2D-BPSK	138	0	21.87	21.87	21.87	210	0.0	
100	P2D-BPSK	138	0	21.87	21.87	21.87	210	0.0	
100	P2D-BPSK	138	0	21.87	21.87	21.87	210	0.0	
100	P2D-BPSK	270	0	21.88	21.88	21.88	210	0.0	
100	QPSK	1	1	21.92	21.92	21.92			
100	QPSK	1	137	21.92	21.92	21.92	210	0.0	
100	QPSK	1	271	21.92	21.92	21.92			
100	QPSK	138	0	21.92	21.92	21.92	210	0.0	
100	QPSK	138	0	21.92	21.92	21.92	210	0.0	
100	QPSK	138	0	21.92	21.92	21.92	210	0.0	
100	QPSK	270	0	21.92	21.92	21.92	210	0.0	
100	RCSSM	1	1	22.50	22.50	22.50	210	0.0	
100	RCSSM	1	1	22.50	22.50	22.50	210	0.0	
100	RCSSM	1	1	22.50	22.50	22.50	210	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.70	21.70	21.70	210	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.78	21.78	21.78	210	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.80	21.80	21.80	210	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.80	21.80	21.80	210	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.74	21.74	21.74	210	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.70	21.70	21.70	210	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.72	21.72	21.72	210	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.72	21.72	21.72	210	0.0	

