

Full & Default Power Mode

Band		WCDMA V_Ant 0			WCDMA IV_Ant 0			
TX Channel		9262	9400	9538	Tune-up Limit (dBm)	1312	1413	1513
Rx Channel		9662	9800	9938		1537	1638	1738
Frequency (MHz)		1862.4	1880	1907.6		1712.4	1732.6	1752.6
3GPP Rel 99	RMC 12.2Kbps	23.21	23.28	23.23	24.00	23.26	23.30	23.23
3GPP Rel 6	HSDPA Subtest-1	22.17	22.29	22.28	23.00	22.11	22.26	22.21
3GPP Rel 6	HSDPA Subtest-2	22.16	22.28	22.28	23.00	22.22	22.27	22.22
3GPP Rel 6	HSDPA Subtest-3	21.67	21.79	21.79	22.50	21.72	21.72	21.66
3GPP Rel 6	HSDPA Subtest-4	21.65	21.75	21.77	22.50	21.70	21.79	21.68
3GPP Rel 6	DC-HSDPA Subtest-1	22.12	22.24	22.23	23.00	22.04	22.23	22.19
3GPP Rel 6	DC-HSDPA Subtest-2	22.15	22.24	22.20	23.00	22.15	22.21	22.17
3GPP Rel 6	DC-HSDPA Subtest-3	21.61	21.74	21.72	22.00	21.67	21.68	21.62
3GPP Rel 6	DC-HSDPA Subtest-4	21.58	21.74	21.71	22.00	21.63	21.77	21.61
3GPP Rel 6	HSUPA Subtest-1	22.17	22.30	22.31	23.00	22.16	22.20	22.22
3GPP Rel 6	HSUPA Subtest-2	20.16	20.28	20.30	21.00	20.18	20.20	20.15
3GPP Rel 6	HSUPA Subtest-3	21.15	21.25	21.28	22.00	21.16	21.21	21.15
3GPP Rel 6	HSUPA Subtest-4	20.06	20.27	20.25	21.00	20.18	20.24	20.17
3GPP Rel 6	HSUPA Subtest-5	22.10	22.30	22.30	23.00	22.20	22.20	22.20
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.11	20.11	20.05	20.50	20.05	20.05	20.06

Band		WCDMA V_Ant 0			Tune-up Limit (dBm)			
TX Channel		4132	4182	4233				
Rx Channel		4367	4407	4455				
Frequency (MHz)		826.4	836.4	846.6				
3GPP Rel 99	RMC 12.2Kbps	23.37	23.40	23.39	24.00			
3GPP Rel 6	HSDPA Subtest-1	22.45	22.47	22.41	23.00			
3GPP Rel 6	HSDPA Subtest-2	22.49	22.50	22.46	23.00			
3GPP Rel 6	HSDPA Subtest-3	21.87	21.88	21.93	22.50			
3GPP Rel 6	HSDPA Subtest-4	21.86	21.95	21.92	22.50			
3GPP Rel 6	DC-HSDPA Subtest-1	22.43	22.42	22.38	23.00			
3GPP Rel 6	DC-HSDPA Subtest-2	22.43	22.44	22.41	23.00			
3GPP Rel 6	DC-HSDPA Subtest-3	21.91	21.93	21.88	22.50			
3GPP Rel 6	DC-HSDPA Subtest-4	21.85	21.84	21.85	22.50			
3GPP Rel 6	HSUPA Subtest-1	22.37	22.31	22.32	23.00			
3GPP Rel 6	HSUPA Subtest-2	20.38	20.33	20.33	21.00			
3GPP Rel 6	HSUPA Subtest-3	21.34	21.35	21.32	22.00			
3GPP Rel 6	HSUPA Subtest-4	20.34	20.33	20.34	21.00			
3GPP Rel 6	HSUPA Subtest-5	22.40	22.30	22.30	23.00			
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.21	20.18	20.15	20.50			

[illegible]

Band 5_Ant 0													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-on time (s)	MPE (dB)					
Channel				25000	25025	25050							
Frequency (MHz)				829	836.5	844							
10	QPSK	1	0	21.38	21.38	21.38	24	0					
10	QPSK	1	25	21.33	21.38	21.36							
10	QPSK	1	49	21.29	21.35	21.32	23	1					
10	QPSK	25	0	21.35	21.40	21.35							
10	QPSK	25	12	21.31	21.38	21.35	23	1					
10	QPSK	25	25	21.29	21.35	21.31							
10	QPSK	50	0	21.31	21.37	21.32	23	1					
10	QPSK	50	1	21.28	21.37	21.32							
10	QPSK	1	0	21.32	21.37	21.32	22	2					
10	QPSK	1	49	21.31	21.41	21.38							
10	QPSK	25	0	21.32	21.41	21.38	22	2					
10	QPSK	25	12	21.35	21.41	21.38							
10	QPSK	1	49	21.34	21.37	21.34	21	3					
10	QPSK	25	0	20.38	20.43	20.40							
10	QPSK	25	12	20.34	20.39	20.33	19	5					
10	QPSK	25	25	20.31	20.42	20.38							
10	QPSK	50	0	20.32	20.42	20.33	19	5					
10	QPSK	50	1	20.38	20.42	20.39							
10	QPSK	1	0	18.33	18.37	18.39	19	5					
10	QPSK	1	25	18.33	18.37	18.35							
10	QPSK	1	49	18.33	18.37	18.35	19	5					
10	QPSK	25	0	18.38	18.42	18.40							
10	QPSK	25	12	18.37	18.42	18.38	19	5					
10	QPSK	25	25	18.37	18.41	18.38							
10	QPSK	50	0	18.31	18.39	18.36	19	5					
10	QPSK	50	1	18.31	18.39	18.36							
Channel				25025	25050	25075	Turn-on time (s)	MPE (dB)					
Frequency (MHz)				835.5	843	848.5							
5	QPSK	1	0	21.33	21.34	21.34	24	0					
5	QPSK	1	12	21.28	21.34	21.31							
5	QPSK	1	24	21.32	21.38	21.35	23	1					
5	QPSK	12	0	21.30	21.39	21.34							
5	QPSK	12	7	21.29	21.32	21.32	23	1					
5	QPSK	12	14	21.28	21.32	21.31							
5	QPSK	25	0	21.27	21.33	21.31	23	1					
5	QPSK	25	1	21.26	21.33	21.31							
5	QPSK	1	0	21.36	21.42	21.38	22	2					
5	QPSK	1	24	21.35	21.42	21.38							
5	QPSK	12	0	21.34	21.33	21.38	22	2					
5	QPSK	12	7	21.35	21.38	21.34							
5	QPSK	12	14	21.36	21.39	21.36	22	2					
5	QPSK	25	0	21.20	21.32	21.33							
5	QPSK	25	1	21.23	21.40	21.34	22	2					
5	QPSK	1	12	21.19	21.39	21.33							
5	QPSK	1	24	21.26	21.37	21.39	21	3					
5	QPSK	1	31	21.26	21.37	21.39							
5	QPSK	12	7	20.22	20.35	20.27	19	5					
5	QPSK	12	14	20.19	20.36	20.26							
5	QPSK	25	0	20.28	20.37	20.35	19	5					
5	QPSK	25	1	20.23	20.36	20.35							
5	QPSK	1	0	18.23	18.31	18.28	19	5					
5	QPSK	1	12	18.21	18.30	18.25							
5	QPSK	1	24	18.24	18.32	18.29	19	5					
5	QPSK	12	0	18.33	18.39	18.27							
5	QPSK	12	7	18.32	18.38	18.28	19	5					
5	QPSK	12	14	18.31	18.39	18.30							
5	QPSK	25	0	18.27	18.27	18.28	19	5					
5	QPSK	25	1	18.29	18.28	18.30							
Channel				25050	25075	25100	Turn-on time (s)	MPE (dB)					
Frequency (MHz)				841.5	848.5	848.5							
3	QPSK	1	0	21.33	21.37	21.34	24	0					
3	QPSK	1	8	21.29	21.33	21.35							
3	QPSK	1	16	21.32	21.38	21.35	23	1					
3	QPSK	8	0	21.29	21.33	21.32							
3	QPSK	8	4	21.26	21.31	21.34	23	1					
3	QPSK	8	12	21.22	21.33	21.31							
3	QPSK	16	0	21.25	21.32	21.27	23	1					
3	QPSK	16	1	21.25	21.32	21.27							
3	QPSK	1	0	21.29	21.32	21.28	22	2					
3	QPSK	1	14	21.25	21.31	21.30							
3	QPSK	8	0	21.29	21.36	21.33	22	2					
3	QPSK	8	4	21.31	21.37	21.35							
3	QPSK	8	7	21.22	21.31	21.30	22	2					
3	QPSK	15	0	21.32	21.36	21.30							
3	QPSK	1	0	21.27	21.35	21.30	22	2					
3	QPSK	1	8	21.23	21.31	21.28							
3	QPSK	1	14	21.20	21.29	21.29	21	3					
3	QPSK	8	0	20.34	20.40	20.30							
3	QPSK	8	4	20.21	20.39	20.24	19	5					
3	QPSK	8	7	20.30	20.32	20.32							
3	QPSK	15	0	20.21	20.35	20.27	19	5					
3	QPSK	15	1	18.33	18.34	18.28							
3	QPSK	1	0	18.29	18.34	18.35	19	5					
3	QPSK	1	14	18.31	18.32	18.28							
3	QPSK	8	0	18.32	18.30	18.27	19	5					
3	QPSK	8	4	18.32	18.32	18.30							
3	QPSK	8	7	18.29	18.30	18.23	19	5					
3	QPSK	15	0	18.29	18.28	18.30							
3	QPSK	15	1	18.29	18.28	18.21	19	5					
3	QPSK	15	1	18.29	18.28	18.21							

Band 5_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-on time (s)	MPE (dB)	
Channel				25000	25000	25000			
Frequency (MHz)				829	836.5	844.5			
10	QPSK	1	0	21.38	21.40	21.47	24	0	
10	QPSK	1	25	21.32	21.37	21.31			
10	QPSK	1	49	21.33	21.38	21.35	23	1	
10	QPSK	25	0	21.35	21.40	21.35			
10	QPSK	25	12	21.34	21.39	21.39			
10	QPSK	1	0	21.39	21.40	21.39	23	1	
10	QPSK	1	25	21.30	21.34	21.30			
10	QPSK	1	49	21.31	21.36	21.31	22	2	
10	QPSK	25	0	21.30	21.35	21.30			
10	QPSK	25	12	21.31	21.36	21.36			
10	QPSK	1	0	21.36	21.37	21.36	21	3	
10	QPSK	1	25	21.31	21.32	21.32			
10	QPSK	1	49	21.32	21.33	21.33	19	5	
10	QPSK	25	0	21.32	21.33	21.33			
10	QPSK	25	12	21.33	21.34	21.34			
10	QPSK	1	0	21.37	21.37	21.37	19	5	
10	QPSK	1	25	21.36	21.36	21.36			
10	QPSK	1	49	21.37	21.37	21.37	22	2	
10	QPSK	25	0	21.37	21.37	21.37			
10	QPSK	25	12	21.37	21.37	21.37			
10	QPSK	1	0	21.38	21.38	21.38	21	3	
10	QPSK	1	25	21.37	21.37	21.37			
10	QPSK	1	49	21.38	21.38	21.38	19	5	
10	QPSK	25	0	21.38	21.38	21.38			
10	QPSK	25	12	21.38	21.38	21.38			
10	QPSK	1	0	21.39	21.39	21.39	22	2	
10	QPSK	1	25	21.38	21.38	21.38			
10	QPSK	1	49	21.39	21.39	21.39	21	3	
10	QPSK	25	0	21.39	21.39	21.39			
10	QPSK	25	12	21.39	21.39	21.39			
10	QPSK	1	0	21.40	21.40	21.40	19	5	
10	QPSK	1	25	21.40	21.40	21.40			
10	QPSK	1	49	21.40	21.40	21.40	22	2	
10	QPSK	25	0	21.40	21.40	21.40			
10	QPSK	25	12	21.40	21.40	21.40			
10	QPSK	1	0	21.41	21.41	21.41	21	3	
10	QPSK	1	25	21.40	21.40	21.40			
10	QPSK	1	49	21.41	21.41	21.41	19	5	
10	QPSK	25	0	21.41	21.41	21.41			
10	QPSK	25	12	21.41	21.41	21.41			
10	QPSK	1	0	21.42	21.42	21.42	22	2	
10	QPSK	1	25	21.41	21.41	21.41			
10	QPSK	1	49	21.42	21.42	21.42	21	3	
10	QPSK	25	0	21.42	21.42	21.42			
10	QPSK	25	12	21.42	21.42	21.42			
10	QPSK	1	0	21.43	21.43	21.43	19	5	
10	QPSK	1	25	21.42	21.42	21.42			
10	QPSK	1	49	21.43	21.43	21.43	22	2	
10	QPSK	25	0	21.43	21.43	21.43			
10	QPSK	25	12	21.43	21.43	21.43			
10	QPSK	1	0	21.44	21.44	21.44	21	3	
10	QPSK	1	25	21.43	21.43	21.43			
10	QPSK	1	49	21.44	21.44	21.44	19	5	
10	QPSK	25	0	21.44	21.44	21.44			
10	QPSK	25	12	21.44	21.44	21.44			
10	QPSK	1	0	21.45	21.45	21.45	22	2	
10	QPSK	1	25	21.44	21.44	21.44			
10	QPSK	1	49	21.45	21.45	21.45	21	3	
10	QPSK	25	0	21.45	21.45	21.45			
10	QPSK	25	12	21.45	21.45	21.45			
10	QPSK	1	0	21.46	21.46	21.46	19	5	
10	QPSK	1	25	21.45	21.45	21.45			
10	QPSK	1	49	21.46	21.46	21.46	22	2	
10	QPSK	25	0	21.46	21.46	21.46			
10	QPSK	25	12	21.46	21.46	21.46			
10	QPSK	1	0	21.47	21.47	21.47	21	3	
10	QPSK	1	25	21.46	21.46	21.46			
10	QPSK	1	49	21.47	21.47	21.47	19	5	
10	QPSK	25	0	21.47	21.47	21.47			
10	QPSK	25	12	21.47	21.47	21.47			
10	QPSK	1	0	21.48	21.48	21.48	22	2	
10	QPSK	1	25	21.47	21.47	21.47			
10	QPSK	1	49	21.48	21.48	21.48	21	3	
10	QPSK	25	0	21.48	21.48	21.48			
10	QPSK	25	12	21.48	21.48	21.48			
10	QPSK	1	0	21.49	21.49	21.49	19	5	
10	QPSK	1	25	21.48	21.48	21.48			
10	QPSK	1	49	21.49	21.49	21.49	22	2	
10	QPSK	25	0	21.49	21.49	21.49			
10	QPSK	25	12	21.49	21.49	21.49			
10	QPSK	1	0	21.50	21.50	21.50	21	3	
10	QPSK	1	25	21.49	21.49	21.49			
10	QPSK	1	49	21.50	21.50	21.50	19	5	
10	QPSK	25	0	21.50	21.50	21.50			
10	QPSK	25	12	21.50	21.50	21.50			
10	QPSK	1	0	21.51	21.51	21.51	22	2	
10	QPSK	1	25	21.50	21.50	21.50			
10	QPSK	1	49	21.51	21.51	21.51	21	3	
10	QPSK	25	0	21.51	21.51	21.51			
10	QPSK	25	12	21.51	21.51	21.51			
10	QPSK	1	0	21.52	21.52	21.52	19	5	
10	QPSK	1	25	21.51	21.51	21.51			
10	QPSK	1	49	21.52	21.52	21.52	22	2	
10	QPSK	25	0	21.52	21.52	21.52			
10	QPSK	25	12	21.52	21.52	21.52			
10	QPSK	1	0	21.53	21.53	21.53	21	3	
10	QPSK	1	25	21.52	21.52	21.52			
10	QPSK	1	49	21.53	21.53	21.53	19	5	
10	QPSK	25	0	21.53	21.53	21.53			
10	QPSK	25	12	21.53	21.53	21.53			
10	QPSK	1	0	21.54	21.54	21.54	22	2	
10	QPSK	1	25	21.53	21.53	21.53			
10	QPSK	1	49	21.54	21.54	21.54	21	3	
10	QPSK	25	0	21.54	21.54	21.54			
10	QPSK	25	12	21.54	21.54	21.54			
10	QPSK	1	0	21.55	21.55	21.55	19	5	
10	QPSK	1	25	21.54	21.54	21.54			
10	QPSK	1	49	21.55	21.55	21.55	22	2	
10	QPSK	25	0	21.55	21.55	21.55			
10	QPSK	25	12	21.55	21.55	21.55			
10	QPSK	1	0	21.56	21.56	21.56	21	3	
10	QPSK	1	25	21.55	21.55	21.55			
10	QPSK	1	49	21.56	21.56	21.56	19	5	
10	QPSK	25	0	21.56	21.56	21.56			
10	QPSK	25	12	21.56	21.56	21.56			
10	QPSK	1	0	21.57	21.57	21.57	22	2	
10	QPSK	1	25	21.56	21.56	21.56			
10	QPSK	1	49	21.57	21.57	21.57	21	3	
10	QPSK	25	0	21.57	21.57	21.57			
10	QPSK	25	12	21.57	21.57	21.57			
10	QPSK	1	0	21.58	21.58	21.58	19	5	
10	QPSK	1	25	21.57	21.57	21.57			
10	QPSK	1	49	21.58	21.58	21.58	22	2	
10	QPSK	25	0	21.58	21.58	21.58			
10	QPSK	25	12	21.58	21.58	21.58			
10	QPSK	1	0	21.59	21.59	21.59	21	3	
10	QPSK	1	25	21.58	21.58	21.58			
10	QPSK	1	49	21.59	21.59	21.59	19	5	
10	QPSK	25	0	21.59	21.59	21.59			
10	QPSK	25	12	21.59	21.59	21.59			
10	QPSK	1	0	21.60	21.60	21.60	22	2	
10	QPSK	1	25	21.59	21.59	21.59			
10	QPSK	1	49	21.60	21.60	21.60	21	3	
10	QPSK	25	0	21.60	21.60	21.60			
10	QPSK	25	12	21.60	21.60	21.60			
10	QPSK	1	0	21.61	21.61	21.61	19	5	
10	QPSK	1	25	21.60	21.60	21.60			
10	QPSK	1	49	21.61	21.61	21.61	22	2	
10	QPSK	25	0	21.61	21.61	21.61			
10	QPSK	25	12	21.61	21.61	21.61			
10	QPSK	1	0	21.62	21.62	21.62	21	3	
10	QPSK	1	25	21.61	21.61	21.61			
10	QPSK	1	49	21.62	21.62	21.62	19	5	
10	QPSK	25	0	21.62	21.62	21.62			
10	QPSK	25	12	21.62	21.62	21.62			
10	QPSK	1	0	21.63	21.63	21.63	22	2	
10	QPSK	1	25	21.62	21.62	21.62			
10	QPSK	1	49	21.63	21.63	21.63	21	3	
10	QPSK	25	0	21.63	21.63	21.63			
10	QPSK	25	12	21.63	21.63	21.63			
10	QPSK	1	0	21.64	21.64	21.64	19	5	
10	QPSK	1	25	21.63	21.63	21.63			
10	QPSK	1	49	21.64	21.64	21.64	22	2	
10	QPSK	25	0	21.64	21.64	21.64			
10	QPSK	25	12	21.64	21.64	21.64			
10	QPSK	1	0	21.65	21.65	21.65	21	3	
10	QPSK	1	25	21.64	21.64	21.64			
10	QPSK	1	49	21.65	21.65	21.65	19	5	
10	QPSK	25	0	21.65	21.65	21.65			
10	QPSK	25	12	21.65	21.65	21.65			
10	QPSK	1	0	21.66	21.66	21.66	22	2	
10	QPSK	1	25	21.65	21.65	21.65			
10	QPSK	1	49	21.66	21.66	21.66	21	3	
10	QPSK	25	0	21.66	21.66	21.66			
10	QPSK	25	12	21.66	21.66	21.66			
10	QPSK	1	0	21.67	21.67	21.67	19	5	
10	QPSK	1	25	21.66	21.66	21.66			
10	QPSK	1	49	21.67	21.67	21.67	22	2	
10	QPSK	25	0	21.67	21.67	21.67			
10	QPSK	25	12	21.67	21.67	21.67			
10	QPSK	1	0	21.68	21.68	21.68			

Band 13_Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MPR (dB)						
Channel 1														
Frequency (MHz)							23200							
10	QPSK	1	0	23.48	23.50	23.52	24	0						
10	QPSK	1	25	23.43	23.45	23.47								
10	QPSK	1	49	23.43	23.45	23.47								
10	QPSK	25	0	22.45	22.47	22.49								
10	QPSK	25	12	22.38	22.40	22.42	23							
10	QPSK	25	15	22.41	22.43	22.45								
10	QPSK	50	0	22.45	22.47	22.49								
10	QPSK	50	1	21.49	21.51	21.53								
10	16QAM	1	0	21.49	21.51	21.53	23	1						
10	16QAM	1	25	21.43	21.45	21.47								
10	16QAM	1	49	21.43	21.45	21.47								
10	16QAM	25	0	21.37	21.39	21.41								
10	16QAM	25	12	21.30	21.32	21.34	22	2						
10	16QAM	25	15	21.33	21.35	21.37								
10	16QAM	50	0	21.37	21.39	21.41								
10	16QAM	50	1	20.41	20.43	20.45								
10	64QAM	1	0	21.37	21.39	21.41	22	2						
10	64QAM	1	25	21.31	21.33	21.35								
10	64QAM	1	49	21.43	21.45	21.47								
10	64QAM	25	12	20.38	20.40	20.42								
10	64QAM	25	15	20.41	20.43	20.45	21	3						
10	64QAM	50	0	20.43	20.45	20.47								
10	256QAM	1	0	18.42	18.44	18.46								
10	256QAM	1	25	18.43	18.45	18.47								
10	256QAM	1	49	18.43	18.45	18.47	19	5						
10	256QAM	25	12	18.38	18.40	18.42								
10	256QAM	25	15	18.39	18.41	18.43								
10	256QAM	50	0	18.43	18.45	18.47								
Channel 2														
Frequency (MHz)											23205 / 23205.5			
5	QPSK	1	0	23.44	23.50	23.43	24	0						
5	QPSK	1	12	23.37	23.39	23.41								
5	QPSK	1	24	23.37	23.41	23.38								
5	QPSK	12	0	22.44	22.42	22.40								
5	QPSK	12	7	22.35	22.33	22.32	23	1						
5	QPSK	12	13	22.37	22.37	22.34								
5	QPSK	25	0	22.38	22.40	22.40								
5	16QAM	1	0	21.36	21.38	21.38								
5	16QAM	1	12	21.34	21.33	21.35	23	1						
5	16QAM	1	24	21.36	21.39	21.35								
5	16QAM	12	0	21.42	21.42	21.38								
5	16QAM	12	7	21.33	21.33	21.28								
5	16QAM	12	13	21.29	21.29	21.31	22	2						
5	16QAM	25	0	21.36	21.36	21.37								
5	64QAM	1	0	21.36	21.35	21.34								
5	64QAM	1	12	21.32	21.34	21.31								
5	64QAM	1	24	21.32	21.31	21.29	22	2						
5	64QAM	12	0	20.42	20.41	20.43								
5	64QAM	12	7	20.34	20.31	20.28								
5	64QAM	12	13	20.39	20.35	20.40								
5	64QAM	25	0	20.41	20.39	20.39	21	3						
5	256QAM	1	0	18.34	18.31	18.30								
5	256QAM	1	12	18.36	18.29	18.29								
5	256QAM	12	0	18.42	18.41	18.31								
5	256QAM	12	7	18.47	18.39	18.38	19	5						
5	256QAM	12	13	18.50	18.39	18.34								
5	256QAM	25	0	18.31	18.30	18.40								

Band 14_Ant 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)				
Channel 23330												
Frequency (MHz)												
10	QPSK	1	0	31.13	31.13	31.13	32	0				
10	QPSK	1	25	31.11	31.11	31.11						
10	QPSK	1	49	30.97	30.97	30.97						
10	QPSK	25	0	30.28	30.28	30.28						
10	QPSK	25	12	30.23	30.23	30.23	31	1				
10	QPSK	25	25	30.18	30.18	30.18						
10	QPSK	50	0	29.82	29.82	29.82						
10	16QAM	1	0	29.62	29.62	29.62						
10	16QAM	1	25	29.61	29.61	29.61	31	1				
10	16QAM	1	49	29.60	29.60	29.60						
10	16QAM	25	0	29.57	29.57	29.57						
10	16QAM	25	12	29.52	29.52	29.52						
10	16QAM	25	15	29.52	29.52	29.52	30	2				
10	16QAM	50	0	28.86	28.86	28.86						
10	64QAM	1	0	28.96	28.96	28.96						
10	64QAM	1	25	28.94	28.94	28.94						
10	64QAM	1	49	28.98	28.98	28.98	29	3				
10	64QAM	25	0	28.94	28.94	28.94						
10	64QAM	25	12	28.13	28.13	28.13						
10	64QAM	25	15	28.97	28.97	28.97						
10	256QAM	1	0	27.94	27.94	27.94	27	5				
10	256QAM	1	25	27.82	27.82	27.82						
10	256QAM	1	49	25.78	25.78	25.78						
10	256QAM	25	0	25.80	25.80	25.80						
10	256QAM	25	12	25.75	25.75	25.75	27	5				
10	256QAM	25	15	25.75	25.75	25.75						
10	256QAM	50	0	25.85	25.85	25.85						
Channel 23305												
Frequency (MHz)												
5	QPSK	1	0	30.85	30.85	30.83				32	0	
5	QPSK	1	12	30.82	30.88	30.79						
5	QPSK	1	24	30.78	30.80	30.80						
5	QPSK	12	0	29.91	30.12	29.97						
5	QPSK	12	7	30.04	29.97	29.88	31	1				
5	QPSK	12	13	29.83	30.08	30.05						
5	QPSK	25	0	29.97	30.09	30.03						
5	16QAM	1	0	29.96	30.12	29.95						
5	16QAM	1	12	30.14	30.17	30.03	31	1				
5	16QAM	1	24	30.01	30.18	29.97						
5	16QAM	12	0	29.04	29.05	29.01						
5	16QAM	12	7	29.89	29.02	29.02						
5	16QAM	12	13	29.05	29.02	29.07	30	2				
5	16QAM	25	0	29.04	29.16	29.07						
5	64QAM	1	0	29.08	29.18	29.08						
5	64QAM	1	12	29.05	29.10	29.09						
5	64QAM	1	24	29.04	29.16	29.06	30	2				
5	64QAM	12	0	27.80	28.04	27.94						
5	64QAM	12	7	28.01	27.97	28.00						
5	64QAM	12	13	28.00	28.06	28.01						
5	64QAM	25	0	27.78	28.05	27.84	27	5				
5	256QAM	1	0	25.97	26.00	25.94						

Band 26(FCC)_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mids Ch / Freq	Power High Ch / Freq	Turnup Int (dB)	MPR (dB)		
Channel 26765 RB1.5 RB1.5										
Frequency (MHz)										
16	QPSK	1	0	23.03	23.03	23.06	24	0		
16	QPSK	1	37	23.47	23.52	23.41				
16	QPSK	1	74	23.44	23.46	23.45				
16	QPSK	36	0	22.46	22.45	22.42				
16	QPSK	36	20	22.46	22.45	22.37	23	1		
16	QPSK	75	0	22.42	22.45	22.38				
16	16QAM	1	0	22.42	22.45	22.40				
16	16QAM	1	37	22.44	22.48	22.39				
16	16QAM	1	74	22.43	22.45	22.41	23	1		
16	16QAM	36	0	21.48	21.50	21.45				
16	16QAM	36	20	21.44	21.49	21.44				
16	16QAM	36	39	21.47	21.48	21.43				
16	16QAM	75	0	21.43	21.45	21.43	22	2		
16	64QAM	1	0	21.42	21.46	21.41				
16	64QAM	1	37	21.45	21.47	21.42				
16	64QAM	1	74	21.45	21.48	21.41				
16	64QAM	36	0	20.48	20.50	20.48	21	3		
16	64QAM	36	20	20.45	20.45	20.45				
16	64QAM	36	39	20.43	20.43	20.43				
16	256QAM	1	0	18.43	18.49	18.39				
16	256QAM	1	37	18.41	18.50	18.38	19	5		
16	256QAM	1	74	18.43	18.44	18.43				
16	256QAM	36	0	18.47	18.51	18.45				
16	256QAM	36	20	18.40	18.48	18.41				
16	256QAM	36	39	18.40	18.50	18.38	19	5		
16	256QAM	75	0	18.43	18.50	18.43				
16	256QAM	75	12	18.43	18.50	18.43				
Channel 26740 RB1.5 RB1.5										
Frequency (MHz)										
16	QPSK	1	0	23.49	23.49	23.41	24	0		
16	QPSK	1	25	23.40	23.47	23.34				
16	QPSK	1	49	23.41	23.45	23.40				
16	QPSK	25	0	22.41	22.48	22.40				
16	QPSK	25	12	22.39	22.42	22.35	23	1		
16	QPSK	25	25	22.43	22.44	22.31				
16	QPSK	50	0	22.38	22.44	22.32				
16	16QAM	1	0	22.35	22.44	22.38				
16	16QAM	1	25	22.42	22.43	22.33	23	1		
16	16QAM	1	49	22.40	22.37	22.36				
16	16QAM	25	0	21.44	21.47	21.40				
16	16QAM	25	12	21.35	21.47	21.41				
16	16QAM	25	25	21.32	21.40	21.37	22	2		
16	16QAM	50	0	21.41	21.42	21.41				
16	64QAM	1	0	21.38	21.38	21.35				
16	64QAM	1	25	21.31	21.38	21.26				
16	64QAM	1	49	21.40	21.37	21.34	22	2		
16	64QAM	25	0	20.39	20.38	20.42				
16	64QAM	25	12	20.35	20.35	20.38				
16	64QAM	25	25	20.41	20.35	20.38				
16	256QAM	1	0	18.39	18.45	18.35	21	3		
16	256QAM	1	25	18.36	18.36	18.34				
16	256QAM	1	49	18.32	18.43	18.31				
16	256QAM	25	0	18.33	18.41	18.42				
16	256QAM	25	12	18.30	18.36	18.32	19	5		
16	256QAM	25	25	18.37	18.43	18.32				
16	256QAM	50	0	18.28	18.48	18.33				
Channel 26740 RB1.5 RB1.5										
Frequency (MHz)										
5	QPSK	1	0	23.48	23.51	23.42	24	0		
5	QPSK	1	12	23.43	23.48	23.34				
5	QPSK	1	24	23.39	23.43	23.38				
5	QPSK	12	0	22.42	22.48	22.41				
5	QPSK	12	7	22.45	22.40	22.36	23	1		
5	QPSK	12	13	22.40	22.41	22.35				
5	QPSK	25	0	22.38	22.40	22.37				
5	16QAM	1	0	22.41	22.39	22.33				
5	16QAM	1	12	22.41	22.46	22.38	23	1		
5	16QAM	1	24	22.37	22.41	22.33				
5	16QAM	12	0	21.39	21.44	21.38				
5	16QAM	12	7	21.37	21.48	21.40				
5	16QAM	12	13	21.42	21.47	21.38	22	2		
5	16QAM	25	0	21.34	21.38	21.33				
5	64QAM	1	0	21.29	21.33	21.32				
5	64QAM	1	12	21.41	21.45	21.37				
5	64QAM	1	24	21.43	21.44	21.37	22	2		
5	64QAM	12	0	20.33	20.41	20.38				
5	64QAM	12	7	20.31	20.36	20.31				
5	64QAM	25	0	20.32	20.42	20.35				
5	256QAM	1	0	18.35	18.34	18.32	19	5		
5	256QAM	1	12	18.40	18.38	18.33				
5	256QAM	1	24	18.34	18.37	18.33				
5	256QAM	12	0	18.39	18.46	18.35				
5	256QAM	12	7	18.35	18.36	18.32	19	5		
5	256QAM	12	13	18.25	18.41	18.33				
5	256QAM	25	0	18.34	18.41	18.27				
Channel 26705 RB1.5 RB1.5										
Frequency (MHz)										
3	QPSK	1	0	23.49	23.49	23.41	24	0		
3	QPSK	1	8	23.41	23.47	23.36				
3	QPSK	1	14	23.39	23.43	23.40				
3	QPSK	8	0	22.46	22.42	22.37				
3	QPSK	8	4	22.42	22.44	22.38	23	1		
3	QPSK	15	0	22.40	22.44	22.33				
3	16QAM	1	0	22.37	22.40	22.33				
3	16QAM	1	8	22.38	22.44	22.38				
3	16QAM	1	14	22.40	22.40	22.32	23	1		
3	16QAM	8	0	21.39	21.43	21.37				
3	16QAM	8	4	21.43	21.41	21.43				
3	16QAM	15	0	21.39	21.37	21.36				
3	64QAM	1	0	21.38	21.42	21.27	22	2		
3	64QAM	1	8	21.40	21.34	21.29				
3	64QAM	1	14	21.34	21.33	21.31				
3	64QAM	8	0	20.40	20.43	20.31				
3	64QAM	8	4	20.31	20.37	20.35	21	3		
3	64QAM	15	0	20.42	20.40	20.34				
3	256QAM	1	0	18.41	18.39	18.37				
3	256QAM	1	8	18.33	18.45	18.36				
3	256QAM	1	14	18.23	18.39	18.38	19	5		
3	256QAM	8	0	18.32	18.37	18.36				
3	256QAM	8	4	18.25	18.35	18.32				
3	256QAM	15	0	18.26	18.39	18.23				
3	256QAM	15	7	18.29	18.46	18.36	19	5		
3	256QAM	30	0	18.32	18.35	18.25				
3	256QAM	30	8	18.26	18.38	18.23				
3	256QAM	30	15	18.29	18.46	18.36				
Channel 26697 RB1.5 RB1.5										
Frequency (MHz)										
1.4	QPSK	1	0	23.44	23.52	23.45	24	0		
1.4	QPSK	1	8	23.41	23.47	23.36				
1.4	QPSK	1	16	23.43	23.41	23.41				
1.4	QPSK	8	0	22.50	22.50	22.41				
1.4	QPSK	8	4	22.48	22.50	22.43	23	1		
1.4	QPSK	16	0	22.45	22.44	22.41				
1.4	QPSK	16	8	22.38	22.42	22.35				
1.4	16QAM	1	0	22.44	22.44	22.41				
1.4	16QAM	1	8	22.34	22.42	22.38	23	1		
1.4	16QAM	1	16	22.43	22.43	22.35				
1.4	16QAM	8	0	21.39	21.46	21.34				
1.4	16QAM	8	4	21.42	21.39	21.42				
1.4	16QAM	16	0	21.40	21.34	21.41	22	2		
1.4	16QAM	16	8	21.39	21.34	21.38				
1.4	64QAM	1	0	21.36	21.37	21.32				
1.4	64QAM	1	8	21.38	21.34	21.37				
1.4	64QAM	1	16	21.34	21.40	21.32	21	3		
1.4	64QAM	8	0	20.38	20.46	20.37				
1.4	64QAM	8	4	20.33	20.41	20.35				
1.4	64QAM	16	0	20.35	20.45	20.38				
1.4	256QAM	1	0	18.35	18.41	18.36	19	5		
1.4	256QAM	1	8	18.29	18.47	18.37				
1.4	256QAM	1	16	18.25	18.47	18.38				
1.4	256QAM	8	0	18.32	18.35	18.32				
1.4	256QAM	8	4	18.26	18.35	18.25	19	5		
1.4	256QAM	16	0	18.29	18.46	18.36				
1.4	256QAM	16	8	18.26	18.38	18.25				
1.4	256QAM	16	16	18.29	18.46	18.36				

Band 66_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mide Ch / Freq	Power High Ch / Freq	Tune-in (MHz)	MFR (dB)		
Channel										
Frequency (MHz)							Tune-in (MHz)	MFR (dB)		
20	QPSK	1	0	23.27	23.27	23.23				
20	QPSK	1	40	23.17	23.23	23.22	24	0		
20	QPSK	1	80	23.20	23.21	23.18				
20	QPSK	60	0	22.04	22.08	22.07				
20	QPSK	60	24	22.02	22.05	22.05	23	1		
20	QPSK	60	50	22.05	22.05	21.99				
20	16QAM	1	0	21.96	22.01	22.00	23	1		
20	16QAM	1	40	22.00	22.03	21.97				
20	16QAM	1	80	21.99	22.00	21.99				
20	16QAM	50	0	21.95	21.98	21.97				
20	16QAM	50	24	20.99	21.02	21.00	22	2		
20	16QAM	50	50	20.90	21.03	20.90				
20	16QAM	100	0	20.86	21.06	21.04				
20	16QAM	1	0	21.00	21.08	21.06				
20	16QAM	1	40	21.00	21.05	20.95	22	2		
20	16QAM	1	80	20.96	21.03	20.94				
20	16QAM	50	0	20.93	20.99	20.90				
20	16QAM	50	24	20.90	20.95	20.93	21	3		
20	16QAM	50	50	20.90	20.92	19.90				
20	16QAM	100	0	19.88	20.98	19.95				
20	256QAM	1	0	18.02	18.04	17.96				
20	256QAM	1	40	17.99	18.02	17.88	19	5		
20	256QAM	1	80	17.88	18.01	17.88				
20	256QAM	60	0	18.01	18.06	17.93				
20	256QAM	60	24	18.05	18.07	18.01	19	5		
20	256QAM	60	50	17.85	18.03	18.02				
20	256QAM	100	0	17.88	18.01	17.88				
Channel										
Frequency (MHz)							Tune-in (MHz)	MFR (dB)		
15	QPSK	1	0	23.27	23.27	23.23				
15	QPSK	1	37	23.12	23.18	23.21	24	0		
15	QPSK	1	74	23.15	23.15	23.17				
15	QPSK	60	0	22.09	22.12	22.03				
15	QPSK	60	20	22.02	22.02	22.04	23	1		
15	QPSK	60	50	21.92	21.98	21.98				
15	16QAM	1	0	21.94	21.95	21.94				
15	16QAM	1	37	21.89	21.93	21.91	23	1		
15	16QAM	1	74	21.97	21.94	21.95				
15	16QAM	60	0	20.99	21.94	21.91				
15	16QAM	60	20	20.92	20.93	20.95	22	2		
15	16QAM	60	50	20.83	20.99	20.77				
15	16QAM	75	0	20.85	21.94	20.88				
15	16QAM	1	0	20.94	20.97	20.93				
15	16QAM	1	37	20.92	20.96	20.90	22	2		
15	16QAM	1	74	20.89	20.90	20.89				
15	16QAM	60	0	20.92	20.99	20.90				
15	16QAM	60	20	19.89	19.96	19.75	21	3		
15	16QAM	60	50	19.89	19.96	19.75				
15	16QAM	75	0	19.84	19.94	19.90				
15	256QAM	1	0	18.02	17.95	17.83				
15	256QAM	1	37	17.92	17.98	17.78	19	5		
15	256QAM	1	74	17.75	17.99	17.74				
15	256QAM	60	0	17.92	17.99	17.86				
15	256QAM	60	20	17.82	17.96	17.88	19	5		
15	256QAM	60	50	17.84	17.90	17.97				
15	256QAM	75	0	17.89	17.88	17.87				
Channel										
Frequency (MHz)							Tune-in (MHz)	MFR (dB)		
10	QPSK	1	0	23.25	23.25	23.23				
10	QPSK	1	25	23.11	23.18	23.17	24	0		
10	QPSK	1	40	23.15	23.15	23.14				
10	QPSK	60	0	22.09	22.07	22.08				
10	QPSK	25	12	21.98	22.05	22.01	23	1		
10	QPSK	60	0	22.02	22.03	21.95				
10	QPSK	60	0	21.93	22.00	21.92				
10	16QAM	1	0	21.92	21.94	21.96	23	1		
10	16QAM	1	40	21.96	22.02	21.93				
10	16QAM	1	40	21.92	21.97	21.97				
10	16QAM	25	0	20.96	21.93	21.94				
10	16QAM	25	12	20.90	20.98	20.94	22	2		
10	16QAM	25	25	20.83	20.91	20.85				
10	16QAM	50	0	20.85	21.91	20.89				
10	16QAM	1	0	20.91	20.99	20.98				
10	16QAM	1	25	20.90	20.93	20.90	22	2		
10	16QAM	1	40	20.81	20.97	20.91				
10	16QAM	25	0	19.88	19.94	19.90				
10	16QAM	25	12	19.85	19.98	19.91	21	3		
10	16QAM	25	25	19.82	20.90	19.89				
10	16QAM	50	0	19.88	19.99	19.93				
10	256QAM	1	0	17.94	17.99	17.91				
10	256QAM	1	25	17.85	17.95	17.74	19	5		
10	256QAM	1	40	17.82	17.99	17.81				
10	256QAM	25	0	17.86	17.97	17.95				
10	256QAM	25	12	17.80	17.92	17.88	19	5		
10	256QAM	25	25	17.89	17.91	17.94				
10	256QAM	50	0	17.87	17.87	17.88				
Channel										
Frequency (MHz)							Tune-in (MHz)	MFR (dB)		
5	QPSK	1	0	23.25	23.25	23.26				
5	QPSK	1	12	23.12	23.18	23.17	24	0		
5	QPSK	1	14	23.13	23.15	23.14				
5	QPSK	12	0	22.04	22.07	22.08				
5	QPSK	12	7	22.03	22.02	22.02	23	1		
5	QPSK	8	7	21.98	22.03	21.97				
5	QPSK	16	0	21.96	22.03	21.94				
5	16QAM	1	0	21.92	21.98	21.95	23	1		
5	16QAM	1	8	21.95	21.99	21.92				
5	16QAM	1	14	21.93	21.91	21.94				
5	16QAM	8	0	21.90	21.98	21.91				
5	16QAM	8	4	20.90	21.00	20.91	22	2		
5	16QAM	8	7	20.80	20.99	20.77				
5	16QAM	16	0	20.95	20.97	20.94				
5	16QAM	1	0	21.91	20.96	21.94				
5	16QAM	1	8	20.92	21.00	20.96	22	2		
5	16QAM	1	14	20.84	20.92	20.89				
5	16QAM	8	0	19.96	20.93	19.99				
5	16QAM	8	4	19.79	20.93	19.96	21	3		
5	16QAM	8	7	19.90	19.98	19.80				
5	16QAM	16	0	19.88	20.96	19.90				
5	256QAM	1	0	17.94	18.02	17.87				
5	256QAM	1	8	17.88	17.96	17.77	19	5		
5	256QAM	1	14	17.78	17.98	17.83				
5	256QAM	8	0	17.86	17.94	17.87				
5	256QAM	8	4	17.87	17.97	17.80	19	5		
5	256QAM	8	7	17.83	17.94	18.01				
5	256QAM	16	0	17.87	17.87	17.88				
Channel										
Frequency (MHz)							Tune-in (MHz)	MFR (dB)		
1.4	QPSK	1	0	23.23	23.28	23.22				
1.4	QPSK	1	20	23.12	23.20	23.20	24	0		
1.4	QPSK	1	8	23.18	23.15	23.13				
1.4	QPSK	3	0	23.19	23.23	23.23				
1.4	QPSK	3	20	23.18	23.23	23.23				
1.4	QPSK	3	3	23.14	23.20	23.13	23	1		
1.4	QPSK	6	0	22.09	22.10	22.07				
1.4	QPSK	6	6	22.09	22.10	22.07				
1.4	16QAM	1	0	21.97	22.01	21.97	23	1		
1.4	16QAM	1	20	21.98	22.01	21.97				
1.4	16QAM	3	3	21.98	21.99	21.90				
1.4	16QAM	6	0	21.92	21.99	21.97				
1.4	16QAM	6	6	20.98	21.03	21.00	22	2		
1.4	16QAM	3	0	20.91	20.97	20.97				
1.4	16QAM	3	20	20.92	20.97	20.97				
1.4	16QAM	3	3	20.86	20.98	20.89	22	2		
1.4	16QAM	3	6	20.88	20.98	20.98				
1.4	16QAM	6	0	20.92	20.98	20.98				
1.4	16QAM	6	6	19.95	19.95	19.87	21	3		
1.4	16QAM	6	12	17.99	17.99	17.86				
1.4	16QAM	1	0	17.93	17.87	17.77				
1.4	256QAM	1	0	17.77	17.87	17.79	19	5		
1.4	256QAM	1	20	17.81	17.83	17.83				
1.4	256QAM	1	8	17.91	18.03	17.86				
1.4	256QAM	3	3	17.86	17.91	18.01				
1.4	256QAM	6	0	17.80	17.86	17.86	19	5		

Band 38_Ant 0										
BW (MHz)	Modulation	RB Base	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up (sec)	MPT (dB)		
Channel				37650	38000	38175				
Frequency (MHz)										
20	QPSK	1	0	20.11	20.15	20.20	24	0		
20	QPSK	1	49	20.06	20.09	20.08				
20	QPSK	1	99	20.08	20.09	20.01				
20	QPSK	1	149	20.08	20.09	20.08				
20	QPSK	50	24	20.01	20.02	20.05	23	1		
20	QPSK	50	74	20.06	20.07	20.08				
20	QPSK	50	124	20.09	20.09	20.01				
20	QPSK	50	174	20.14	20.08	20.07				
20	QPSK	100	0	20.00	20.03	20.10	23	1		
20	QPSK	100	50	20.04	20.08	20.17				
20	QPSK	100	100	20.08	20.12	20.21				
20	QPSK	100	150	20.12	20.16	20.25				
20	HQAM	1	49	20.04	20.01	20.09	22	2		
20	HQAM	1	99	20.08	20.05	20.08				
20	HQAM	1	149	20.12	20.09	20.17				
20	HQAM	1	199	20.16	20.13	20.21				
20	HQAM	50	0	20.01	20.01	20.05	22	2		
20	HQAM	50	50	20.05	20.05	20.09				
20	HQAM	50	100	20.09	20.09	20.13				
20	HQAM	50	150	20.13	20.13	20.17				
20	HQAM	100	0	20.00	20.05	20.09	21	3		
20	HQAM	100	50	20.04	20.09	20.13				
20	HQAM	100	100	20.08	20.13	20.17				
20	HQAM	100	150	20.12	20.17	20.21				
20	HQAM	1	0	20.03	20.02	20.04	21	3		
20	HQAM	1	50	20.07	20.06	20.08				
20	HQAM	1	100	20.11	20.10	20.12				
20	HQAM	1	150	20.15	20.14	20.16				
20	HQAM	50	0	20.01	20.01	20.05	20	3		
20	HQAM	50	50	20.05	20.05	20.09				
20	HQAM	50	100	20.09	20.09	20.13				
20	HQAM	50	150	20.13	20.13	20.17				
20	HQAM	100	0	20.00	20.05	20.09	19	5		
20	HQAM	100	50	20.04	20.09	20.13				
20	HQAM	100	100	20.08	20.13	20.17				
20	HQAM	100	150	20.12	20.17	20.21				
20	HQAM	1	0	20.03	20.02	20.04	19	5		
20	HQAM	1	50	20.07	20.06	20.08				
20	HQAM	1	100	20.11	20.10	20.12				
20	HQAM	1	150	20.15	20.14	20.16				
20	HQAM	50	0	20.01	20.01	20.05	18	5		
20	HQAM	50	50	20.05	20.05	20.09				
20	HQAM	50	100	20.09	20.09	20.13				
20	HQAM	50	150	20.13	20.13	20.17				
20	HQAM	100	0	20.00	20.05	20.09	18	5		
20	HQAM	100	50	20.04	20.09	20.13				
20	HQAM	100	100	20.08	20.13	20.17				
20	HQAM	100	150	20.12	20.17	20.21				
20	HQAM	1	0	20.03	20.02	20.04	18	5		
20	HQAM	1	50	20.07	20.06	20.08				
20	HQAM	1	100	20.11	20.10	20.12				
20	HQAM	1	150	20.15	20.14	20.16				
20	HQAM	50	0	20.01	20.01	20.05	17	5		
20	HQAM	50	50	20.05	20.05	20.09				
20	HQAM	50	100	20.09	20.09	20.13				
20	HQAM	50	150	20.13	20.13	20.17				
20	HQAM	100	0	20.00	20.05	20.09	17	5		
20	HQAM	100	50	20.04	20.09	20.13				
20	HQAM	100	100	20.08	20.13	20.17				
20	HQAM	100	150	20.12	20.17	20.21				
20	HQAM	1	0	20.03	20.02	20.04	17	5		
20	HQAM	1	50	20.07	20.06	20.08				
20	HQAM	1	100	20.11	20.10	20.12				
20	HQAM	1	150	20.15	20.14	20.16				
20	HQAM	50	0	20.01	20.01	20.05	16	5		
20	HQAM	50	50	20.05	20.05	20.09				
20	HQAM	50	100	20.09	20.09	20.13				
20	HQAM	50	150	20.13	20.13	20.17				
20	HQAM	100	0	20.00	20.05	20.09	16	5		
20	HQAM	100	50	20.04	20.09	20.13				
20	HQAM	100	100	20.08	20.13	20.17				
20	HQAM	100	150	20.12	20.17	20.21				
20	HQAM	1	0	20.03	20.02	20.04	16	5		
20	HQAM	1	50	20.07	20.06	20.08				
20	HQAM	1	100	20.11	20.10	20.12				
20	HQAM	1	150	20.15	20.14	20.16				
20	HQAM	50	0	20.01	20.01	20.05	15	5		
20	HQAM	50	50	20.05	20.05	20.09				
20	HQAM	50	100	20.09	20.09	20.13				
20	HQAM	50	150	20.13	20.13	20.17				
20	HQAM	100	0	20.00	20.05	20.09	15	5		
20	HQAM	100	50	20.04	20.09	20.13				
20	HQAM	100	100	20.08	20.13	20.17				
20	HQAM	100	150	20.12	20.17	20.21				
20	HQAM	1	0	20.03	20.02	20.04	15	5		
20	HQAM	1	50	20.07	20.06	20.08				
20	HQAM	1	100	20.11	20.10	20.12				
20	HQAM	1	150	20.15	20.14	20.16				
20	HQAM	50	0	20.01	20.01	20.05	14	5		
20	HQAM	50	50	20.05	20.05	20.09				
20	HQAM	50	100	20.09	20.09	20.13				
20	HQAM	50	150	20.13	20.13	20.17				
20	HQAM	100	0	20.00	20.05	20.09	14	5		
20	HQAM	100	50	20.04	20.09	20.13				
20	HQAM	100	100	20.08	20.13	20.17				
20	HQAM	100	150	20.12	20.17	20.21				
20	HQAM	1	0	20.03	20.02	20.04	14	5		
20	HQAM	1	50	20.07	20.06	20.08				
20	HQAM	1	100	20.11	20.10	20.12				
20	HQAM	1	150	20.15	20.14	20.16				
20	HQAM	50	0	20.01	20.01	20.05	13	5		
20	HQAM	50	50	20.05	20.05	20.09				
20	HQAM	50	100	20.09	20.09	20.13				
20	HQAM	50	150	20.13	20.13	20.17				
20	HQAM	100	0	20.00	20.05	20.09	13	5		
20	HQAM	100	50	20.04	20.09	20.13				
20	HQAM	100	100	20.08	20.13	20.17				
20	HQAM	100	150	20.12	20.17	20.21				
20	HQAM	1	0	20.03	20.02	20.04	13	5		
20	HQAM	1	50	20.07	20.06	20.08				
20	HQAM	1	100	20.11	20.10	20.12				
20	HQAM	1	150	20.15	20.14	20.16				
20	HQAM	50	0	20.01	20.01	20.05	12	5		
20	HQAM	50	50	20.05	20.05	20.09				
20	HQAM	50	100	20.09	20.09	20.13				
20	HQAM	50	150	20.13	20.13	20.17				
20	HQAM	100	0	20.00	20.05	20.09	12	5		
20	HQAM	100	50	20.04	20.09	20.13				
20	HQAM	100	100	20.08	20.13	20.17				
20	HQAM	100	150	20.12	20.17	20.21				
20	HQAM	1	0	20.03	20.02	20.04	12	5		
20	HQAM	1	50	20.07	20.06	20.08				
20	HQAM	1	100	20.11	20.10	20.12				
20	HQAM	1	150	20.15	20.14	20.16				
20	HQAM	50	0	20.01	20.01	20.05	11	5		
20	HQAM	50	50	20.05	20.05	20.09				
20	HQAM	50	100	20.09	20.09	20.13				
20	HQAM	50	150	20.13	20.13	20.17				
20	HQAM	100	0	20.00	20.05	20.09	11	5		
20	HQAM	100	50	20.04	20.09	20.13				
20	HQAM	100	100	20.08	20.13	20.17				
20	HQAM	100	150	20.12	20.17	20.21				

Part 96, Band 42, Ant 1										
BW [MHz]	Modulation	RF ID Code	RF Output Power [dBm]	Power Class	Power Class [dBm]	Power Class [dBm]	Power Class [dBm]	Time-out (s/min)	MPT (dB)	
Channel				43190	43190	43190				
Frequency (MHz)				23	23	23	23			
20	QPSK	1	49	21,27	21,49	21,59		23	0	
20	QPSK	1	49	21,27	21,49	21,59				
20	QPSK	50	25	20,21	20,43	20,65				
20	QPSK	50	24	20,20	20,52	20,64		22	1	
20	QPSK	50	24	20,20	20,52	20,64				
20	QPSK	100	9	20,28	20,53	20,65				
16QAM	1	0	20,27	20,49	20,69					
16QAM	1	49	20,27	20,49	20,69			22	1	
16QAM	1	50	20,28	20,53	20,66					
16QAM	50	0	19,31	19,55	19,68					
16QAM	50	49	19,31	19,55	19,68					
16QAM	50	50	19,32	19,56	19,69			21	2	
16QAM	100	0	19,29	19,50	19,64					
16QAM	100	49	19,29	19,50	19,64					
16QAM	100	50	19,30	19,52	19,65			21	2	
16QAM	50	0	19,30	19,56	19,67					
16QAM	50	24	19,34	19,52	19,67			20	3	
16QAM	50	25	19,35	19,53	19,67					
16QAM	100	0	19,29	19,49	19,56					
25QAM	1	0	19,28	19,50	19,63					
25QAM	1	49	19,28	19,50	19,63			18	5	
25QAM	1	50	19,29	19,50	19,64					
25QAM	50	24	19,27	19,52	19,64			18	5	
25QAM	50	25	19,28	19,52	19,65					
25QAM	100	0	19,29	19,49	19,56					
25QAM	100	49	19,29	19,49	19,56					
Channel				43190	43190	43190				
Frequency (MHz)				23	23	23	23			
20	QPSK	1	37	21,21	21,42	21,61		23	0	
20	QPSK	1	74	21,21	21,49	21,59				
20	QPSK	50	25	20,21	20,50	20,64				
20	QPSK	50	24	20,20	20,50	20,63				
20	QPSK	75	9	20,25	20,48	20,61				
16QAM	1	0	20,25	20,47	20,64					
16QAM	1	49	20,25	20,47	20,64			22	1	
16QAM	1	74	20,25	20,50	20,62					
16QAM	50	0	19,24	19,47	19,61					
16QAM	50	24	19,25	19,53	19,54					
16QAM	50	25	19,26	19,44	19,55			21	2	
16QAM	75	0	19,26	19,42	19,52					
16QAM	75	49	19,26	19,42	19,52					
16QAM	75	74	19,27	19,43	19,54			21	2	
16QAM	36	20	19,25	19,44	19,55					
16QAM	36	25	19,26	19,44	19,55			20	3	
16QAM	50	0	19,26	19,44	19,55					
16QAM	50	24	19,27	19,45	19,56					
16QAM	50	25	19,28	19,47	19,56					
25QAM	1	74	19,26	19,36	19,50					
25QAM	1	49	19,27	19,37	19,50			18	5	
25QAM	50	24	19,25	19,42	19,53					
25QAM	50	25	19,26	19,43	19,57			18	5	
25QAM	36	20	19,25	19,45	19,57					
25QAM	36	25	19,26	19,45	19,58					
Channel				43190	43190	43190				
Frequency (MHz)				3052.5	3075	3097.5	3107.5			
8	QPSK	1	24	21,22	21,46	21,66		23	0	
8	QPSK	1	24	21,22	21,46	21,66				
8	QPSK	12	21	20,28	20,43	20,58				
8	QPSK	12	7	20,28	20,45	20,59				
8	QPSK	12	7	20,28	20,45	20,59				
8	QPSK	12	13	20,25	20,47	20,56				
8	QPSK	12	25	20,29	20,46	20,62				
8	QPSK	1	0	20,21	20,48	20,59				
8	QPSK	1	12	20,21	20,48	20,59				
8	QPSK	1	24	20,20	20,45	20,57				
8	QPSK	12	0	19,30	19,51	19,62				
8	QPSK	12	1	19,30	19,51	19,62				
8	QPSK	12	13	19,30	19,53	19,52				
8	QPSK	12	19	19,30	19,56	19,55				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	19	19,30	19,56	19,52				
8	QPSK	12	1							

Band 43(FCC)_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq (MHz)	Power High Ch / Freq (MHz)	Power High Ch / Freq (MHz)	Time-up (min)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.58	21.60	21.62	23	0		
20	QPSK	1	48	21.57	21.59	21.61				
20	QPSK	50	0	20.51	20.53	20.55	22	1		
20	QPSK	50	24	20.50	20.52	20.54				
20	QPSK	100	0	20.58	20.61	20.63	22	1		
20	QPSK	100	48	20.57	20.59	20.61				
20	QPSK	150	0	20.55	20.58	20.61	22	1		
20	QPSK	150	48	20.54	20.57	20.60				
20	QPSK	150	96	20.52	20.55	20.58	21	2		
20	QPSK	150	144	20.51	20.54	20.57				
20	QPSK	50	24	19.50	19.49	19.49	21	2		
20	QPSK	50	72	19.49	19.48	19.48				
20	QPSK	1	0	19.48	19.52	19.48	21	2		
20	QPSK	1	48	19.44	19.52	19.48				
20	QPSK	50	0	19.44	19.52	19.48	20	3		
20	QPSK	50	48	19.43	19.51	19.47				
20	QPSK	100	0	18.48	18.47	18.47	18	5		
20	QPSK	100	48	18.48	18.48	18.48				
20	QPSK	150	0	18.48	18.48	18.48	18	5		
20	QPSK	150	48	18.47	18.47	18.47				
20	QPSK	150	96	18.47	18.47	18.47	18	5		
20	QPSK	150	144	18.47	18.47	18.47				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.63	21.64	21.65	23	0		
15	QPSK	1	48	21.62	21.66	21.67				
15	QPSK	50	0	20.55	20.56	20.56	22	1		
15	QPSK	50	24	20.55	20.54	20.55				
15	QPSK	100	0	20.53	20.56	20.59	22	1		
15	QPSK	100	48	20.52	20.55	20.57				
15	QPSK	150	0	20.54	20.55	20.56	22	1		
15	QPSK	150	48	20.53	20.54	20.55				
15	QPSK	150	96	20.51	20.52	20.54	21	2		
15	QPSK	150	144	20.50	20.51	20.53				
15	QPSK	50	24	19.44	19.42	19.40	21	2		
15	QPSK	50	72	19.41	19.34	19.37				
15	QPSK	1	0	19.41	19.43	19.43	21	2		
15	QPSK	1	48	19.39	19.37	19.37				
15	QPSK	1	96	19.37	19.34	19.37	20	3		
15	QPSK	1	144	19.37	19.35	19.37				
15	QPSK	50	0	19.37	19.42	19.37	18	5		
15	QPSK	50	48	19.34	19.34	19.34				
15	QPSK	100	0	19.34	19.35	19.35	18	5		
15	QPSK	100	48	19.34	19.34	19.34				
15	QPSK	150	0	19.34	19.34	19.34	18	5		
15	QPSK	150	48	19.33	19.33	19.33				
15	QPSK	150	96	19.32	19.32	19.32	18	5		
15	QPSK	150	144	19.32	19.32	19.32				
15	QPSK	150	192	19.32	19.32	19.32	18	5		
15	QPSK	150	240	19.32	19.32	19.32				
15	QPSK	150	288	19.32	19.32	19.32	18	5		
15	QPSK	150	336	19.32	19.32	19.32				
15	QPSK	150	384	19.32	19.32	19.32	18	5		
15	QPSK	150	432	19.32	19.32	19.32				
15	QPSK	150	480	19.32	19.32	19.32	18	5		
15	QPSK	150	528	19.32	19.32	19.32				
15	QPSK	150	576	19.32	19.32	19.32	18	5		
15	QPSK	150	624	19.32	19.32	19.32				
15	QPSK	150	672	19.32	19.32	19.32	18	5		
15	QPSK	150	720	19.32	19.32	19.32				
15	QPSK	150	768	19.32	19.32	19.32	18	5		
15	QPSK	150	816	19.32	19.32	19.32				
15	QPSK	150	864	19.32	19.32	19.32	18	5		
15	QPSK	150	912	19.32	19.32	19.32				
15	QPSK	150	960	19.32	19.32	19.32	18	5		
15	QPSK	150	1008	19.32	19.32	19.32				
15	QPSK	150	1056	19.32	19.32	19.32	18	5		
15	QPSK	150	1104	19.32	19.32	19.32				
15	QPSK	150	1152	19.32	19.32	19.32	18	5		
15	QPSK	150	1200	19.32	19.32	19.32				
15	QPSK	150	1248	19.32	19.32	19.32	18	5		
15	QPSK	150	1296	19.32	19.32	19.32				
15	QPSK	150	1344	19.32	19.32	19.32	18	5		
15	QPSK	150	1392	19.32	19.32	19.32				
15	QPSK	150	1440	19.32	19.32	19.32	18	5		
15	QPSK	150	1488	19.32	19.32	19.32				
15	QPSK	150	1536	19.32	19.32	19.32	18	5		
15	QPSK	150	1584	19.32	19.32	19.32				
15	QPSK	150	1632	19.32	19.32	19.32	18	5		
15	QPSK	150	1680	19.32	19.32	19.32				
15	QPSK	150	1728	19.32	19.32	19.32	18	5		
15	QPSK	150	1776	19.32	19.32	19.32				
15	QPSK	150	1824	19.32	19.32	19.32	18	5		
15	QPSK	150	1872	19.32	19.32	19.32				
15	QPSK	150	1920	19.32	19.32	19.32	18	5		
15	QPSK	150	1968	19.32	19.32	19.32				
15	QPSK	150	2016	19.32	19.32	19.32	18	5		
15	QPSK	150	2064	19.32	19.32	19.32				
15	QPSK	150	2112	19.32	19.32	19.32	18	5		
15	QPSK	150	2160	19.32	19.32	19.32				
15	QPSK	150	2208	19.32	19.32	19.32	18	5		
15	QPSK	150	2256	19.32	19.32	19.32				
15	QPSK	150	2304	19.32	19.32	19.32	18	5		
15	QPSK	150	2352	19.32	19.32	19.32				
15	QPSK	150	2400	19.32	19.32	19.32	18	5		
15	QPSK	150	2448	19.32	19.32	19.32				
15	QPSK	150	2496	19.32	19.32	19.32	18	5		
15	QPSK	150	2544	19.32	19.32	19.32				
15	QPSK	150	2592	19.32	19.32	19.32	18	5		
15	QPSK	150	2640	19.32	19.32	19.32				
15	QPSK	150	2688	19.32	19.32	19.32	18	5		
15	QPSK	150	2736	19.32	19.32	19.32				
15	QPSK	150	2784	19.32	19.32	19.32	18	5		
15	QPSK	150	2832	19.32	19.32	19.32				
15	QPSK	150	2880	19.32	19.32	19.32	18	5		
15	QPSK	150	2928	19.32	19.32	19.32				
15	QPSK	150	2976	19.32	19.32	19.32	18	5		
15	QPSK	150	3024	19.32	19.32	19.32				
15	QPSK	150	3072	19.32	19.32	19.32	18	5		
15	QPSK	150	3120	19.32	19.32	19.32				
15	QPSK	150	3168	19.32	19.32	19.32	18	5		
15	QPSK	150	3216	19.32	19.32	19.32				
15	QPSK	150	3264	19.32	19.32	19.32	18	5		
15	QPSK	150	3312	19.32	19.32	19.32				
15	QPSK	150	3360	19.32	19.32	19.32	18	5		
15	QPSK	150	3408	19.32	19.32	19.32				
15	QPSK	150	3456	19.32	19.32	19.32	18	5		
15	QPSK	150	3504	19.32	19.32	19.32				
15	QPSK	150	3552	19.32	19.32	19.32	18	5		
15	QPSK	150	3600	19.32	19.32	19.32				
15	QPSK	150	3648	19.32	19.32	19.32	18	5		
15	QPSK	150	3696	19.32	19.32	19.32				
15	QPSK	150	3744	19.32	19.32	19.32	18	5		
15	QPSK	150	3792	19.32	19.32	19.32				
15	QPSK	150	3840	19.32	19.32	19.32	18	5		
15	QPSK	150	3888	19.32	19.32	19.32				
15	QPSK	150	3936	19.32	19.32	19.32	18	5		
15	QPSK	150	3984	19.32	19.32	19.32				
15	QPSK	150	4032	19.32	19.32	19.32	18	5		
15	QPSK	150	4080	19.32	19.32	19.32				
15	QPSK	150	4128	19.32	19.32	19.32	18	5		
15	QPSK	150	4176	19.32	19.32	19.32				
15	QPSK	150	4224	19.32	19.32	19.32	18	5		
15	QPSK	150	4272	19.32	19.32	19.32				
15	QPSK	150	4320	19.32	19.32	19.32	18	5		
15	QPSK	150	4368	19.32	19.32	19.32				
15	QPSK	150	4416	19.32	19.32	19.32	18	5		
15	QPSK	150	4464	19.32	19.32	19.32				
15	QPSK	150	4512	19.32	19.32	19.32	18	5		
15	QPSK	150	4560	19.32	19.32	19.32				

Reduced Power Mode for Sensor On_ Standalone

Band		WCDMA V_Ant1(DCS1.1)			Tune-up Limit (dBm)	WCDMA V_Ant2(DCS1.1)			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9682	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	RNC 12.2Kbps	22.39	22.49	22.43	23.00	22.07	22.11	22.07	22.50
3GPP Rel 6	HSDPA Subtest-1	22.39	22.34	22.19	23.00	21.09	21.06	20.97	21.50
3GPP Rel 6	HSDPA Subtest-2	22.41	22.34	22.16	23.00	21.08	21.08	20.93	21.50
3GPP Rel 6	HSDPA Subtest-3	21.82	21.84	21.68	22.50	20.57	20.59	20.49	21.00
3GPP Rel 6	HSDPA Subtest-4	21.83	21.84	21.66	22.50	20.59	20.48	20.47	21.00
3GPP Rel 6	DC-HSDPA Subtest-1	22.37	22.26	22.13	23.00	21.07	21.03	20.94	21.50
3GPP Rel 6	DC-HSDPA Subtest-2	22.28	22.21	22.09	23.00	21.03	20.95	20.90	21.50
3GPP Rel 6	DC-HSDPA Subtest-3	21.79	21.73	21.53	22.50	20.54	20.45	20.40	21.00
3GPP Rel 6	DC-HSDPA Subtest-4	21.87	21.79	21.59	22.50	20.55	20.38	20.42	21.00
3GPP Rel 6	HSUPA Subtest-1	21.87	22.10	22.11	23.00	21.03	21.08	20.99	21.50
3GPP Rel 6	HSUPA Subtest-2	19.96	20.08	20.10	21.00	19.04	19.09	18.95	19.50
3GPP Rel 6	HSUPA Subtest-3	20.93	21.05	21.06	22.00	20.01	20.05	20.03	20.50
3GPP Rel 6	HSUPA Subtest-4	19.88	20.07	20.05	21.00	19.04	19.09	18.96	19.50
3GPP Rel 6	HSUPA Subtest-5	21.80	22.10	22.10	23.00	21.10	21.10	21.10	21.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.99	20.00	20.00	20.50	18.79	18.81	18.84	19.00

Band		WCDMA V_Ant1(DCS1.1)			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RNC 12.2Kbps	23.37	23.40	23.39	24.00
3GPP Rel 6	HSDPA Subtest-1	22.45	22.47	22.41	23.00
3GPP Rel 6	HSDPA Subtest-2	22.49	22.50	22.46	23.00
3GPP Rel 6	HSDPA Subtest-3	21.87	21.98	21.93	22.50
3GPP Rel 6	HSDPA Subtest-4	21.86	21.85	21.82	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.43	22.42	22.38	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.43	22.44	22.41	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	21.91	21.93	21.88	22.50
3GPP Rel 6	DC-HSDPA Subtest-4	21.85	21.84	21.85	22.50
3GPP Rel 6	HSUPA Subtest-1	22.37	22.31	22.32	23.00
3GPP Rel 6	HSUPA Subtest-2	20.38	20.33	20.33	21.00
3GPP Rel 6	HSUPA Subtest-3	21.34	21.35	21.32	22.00
3GPP Rel 6	HSUPA Subtest-4	20.34	20.33	20.34	21.00
3GPP Rel 6	HSUPA Subtest-5	22.40	22.30	22.30	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.21	20.18	20.15	20.50

Band 2_Ant 0(DSI 1)									
BW (MHz)	Modulation	RS	CS	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (min)	MPE (dB)	
Frequency (MHz)									
20	QPSK	1	0	21.35	21.35	21.35			
20	QPSK	1	49	22.22	22.23	22.30	23	0	
20	QPSK	1	113	22.21	22.21	22.21			
20	QPSK	50	0	21.37	21.41	21.41			
20	QPSK	50	24	21.19	21.20	21.31	22	1	
20	QPSK	50	2	21.27	21.28	21.24			
20	QPSK	100	0	21.26	21.28	21.30			
20	16QAM	1	0	21.60	21.60	21.60	22	1	
20	16QAM	1	99	21.62	21.60	21.55			
20	16QAM	50	0	20.17	20.17	20.33	21	2	
20	16QAM	50	24	20.26	20.23	20.29			
20	16QAM	100	0	20.17	20.16	20.20			
20	16QAM	100	24	20.17	20.16	20.20			
20	64QAM	1	49	21.32	21.30	21.42	22	1	
20	64QAM	1	99	21.32	21.32	21.30			
20	64QAM	50	0	20.21	20.23	20.31	21	2	
20	64QAM	50	24	20.25	20.28	20.29			
20	64QAM	100	0	20.17	20.22	20.17			
20	256QAM	1	0	17.05	17.02	17.07			
20	256QAM	1	49	17.00	17.06	17.06	18	5	
20	256QAM	50	0	17.14	16.98	16.95			
20	256QAM	50	24	16.99	16.96	16.93			
20	256QAM	100	0	16.93	16.94	16.93	18	5	
20	256QAM	100	24	16.94	16.94	16.94			
Turn-up time (min)									
MPE (dB)									
15	QPSK	1	0	22.17	22.28	22.28	23	0	
15	QPSK	1	97	22.13	22.10	22.23			
15	QPSK	1	227	22.21	22.17	22.17			
15	QPSK	36	0	21.08	21.17	21.08			
15	QPSK	36	20	21.26	21.37	21.29	22	1	
15	QPSK	100	0	21.12	21.12	21.12			
15	QPSK	75	0	21.16	21.27	21.21			
15	16QAM	1	0	21.57	21.56	21.52	22	1	
15	16QAM	1	97	21.42	21.52	21.43			
15	16QAM	1	74	21.39	21.49	21.34			
15	16QAM	36	0	20.16	20.17	20.17	21	2	
15	16QAM	36	20	20.23	20.25	20.23			
15	16QAM	75	0	20.13	20.27	20.23			
15	64QAM	1	37	21.30	21.39	21.28	22	1	
15	64QAM	1	74	21.27	21.28	21.21			
15	64QAM	36	0	20.09	20.1	20.09	21	2	
15	64QAM	36	20	20.26	20.24	20.27			
15	64QAM	75	0	20.08	20.16	20.14			
15	256QAM	1	0	17.03	17.01	17.04	18	5	
15	256QAM	1	97	16.90	16.95	16.94			
15	256QAM	50	0	16.88	16.94	16.90			
15	256QAM	50	24	16.92	16.92	16.90			
15	256QAM	100	0	16.92	16.92	16.90	18	5	
15	256QAM	100	24	16.92	16.92	16.90			
Turn-up time (min)									
MPE (dB)									
10	QPSK	1	0	22.12	22.18	22.25	23	0	
10	QPSK	1	25	22.16	22.18	22.28			
10	QPSK	1	221	22.24	22.18	22.21			
10	QPSK	25	0	21.07	21.10	21.06			
10	QPSK	25	12	21.32	21.37	21.29	22	1	
10	QPSK	100	0	21.12	21.12	21.12			
10	QPSK	50	0	21.21	21.23	21.15			
10	16QAM	1	0	21.60	21.54	21.55	22	1	
10	16QAM	1	97	21.45	21.47	21.47			
10	16QAM	1	49	21.30	21.58	21.46			
10	16QAM	25	0	20.07	20.13	20.18	21	2	
10	16QAM	25	12	20.13	20.16	20.19			
10	16QAM	50	0	20.06	20.31	20.21			
10	16QAM	50	24	20.18	20.30	20.24			
10	64QAM	1	25	21.24	21.41	21.34	22	1	
10	64QAM	1	49	21.26	21.17	21.17			
10	64QAM	25	0	19.98	20.1	20.15	21	2	
10	64QAM	25	12	20.22	20.19	20.21			
10	64QAM	50	0	20.16	20.24	20.16	21	2	
10	64QAM	50	24	20.12	20.14	20.14			
10	256QAM	1	0	16.91	17.06	16.99	18	5	
10	256QAM	1	25	16.86	16.95	16.92			
10	256QAM	25	0	16.86	16.92	16.90			
10	256QAM	25	12	16.92	16.92	16.90			
10	256QAM	50	0	16.86	16.91	16.89	18	5	
10	256QAM	50	24	16.88	16.87	16.86			
10	256QAM	100	0	16.88	16.90	16.89			
Turn-up time (min)									
MPE (dB)									
5	QPSK	1	0	22.12	22.18	22.25	23	0	
5	QPSK	1	12	22.08	22.08	22.21			
5	QPSK	1	221	22.24	22.18	22.21			
5	QPSK	12	0	21.10	21.12	21.02			
5	QPSK	12	7	21.25	21.40	21.16	22	1	
5	QPSK	25	0	21.12	21.25	21.19			
5	QPSK	25	0	21.18	21.39	21.15			
5	16QAM	1	0	21.61	21.57	21.55	22	1	
5	16QAM	1	127	21.57	21.53	21.54			
5	16QAM	1	24	21.34	21.49	21.34			
5	16QAM	12	0	20.12	20.24	20.23	21	2	
5	16QAM	12	7	20.22	20.30	20.24			
5	16QAM	25	0	20.14	20.26	20.27			
5	16QAM	25	12	20.17	20.14	20.14			
5	64QAM	1	12	21.21	21.41	21.28	22	1	
5	64QAM	1	24	21.21	21.21	21.15			
5	64QAM	12	0	20.08	20.13	20.11	21	2	
5	64QAM	12	7	20.22	20.18	20.24			
5	64QAM	25	0	20.14	20.20	20.14			
5	256QAM	1	0	16.95	17.01	17.03	18	5	
5	256QAM	1	12	16.90	16.95	16.92			
5	256QAM	24	0	16.90	16.92	16.90			
5	256QAM	12	0	16.86	16.90	16.90			
5	256QAM	12	7	16.92	16.92	16.90			
5	256QAM	25	0	16.86	16.90	16.89	18	5	
5	256QAM	25	12	16.88	16.87	16.86			
5	256QAM	25	0	16.84	16.90	16.89			
Turn-up time (min)									
MPE (dB)									
3	QPSK	1	0	22.13	22.20	22.26	23	0	
3	QPSK	1	8	22.08	22.18	22.28			
3	QPSK	1	221	22.24	22.18	22.21			
3	QPSK	8	0	21.14	21.09	21.04			
3	QPSK	8	4	21.32	21.31	21.30	22	1	
3	QPSK	15	0	21.21	21.25	21.21			
3	QPSK	15	0	21.23	21.28	21.15			
3	16QAM	1	0	21.57	21.54	21.52	22	1	
3	16QAM	1	148	21.53	21.49	21.46			
3	16QAM	1	14	21.31	21.50	21.48			
3	16QAM	8	0	20.09	20.20	20.16	21	2	
3	16QAM	8	7	20.16	20.27	20.26			
3	16QAM	15	0	20.15	20.31	20.11			
3	64QAM	1	0	21.27	21.47	21.37	22	1	
3	64QAM	1	8	21.26	21.31	21.28			
3	64QAM	1	14	21.17	21.31	21.22			
3	64QAM	8	0	20.08	20.23	20.03	21	2	
3	64QAM	8	4	20.33	20.22	20.26			
3	64QAM	15	0	20.16	20.27	20.11			
3	64QAM	15	0	20.12	20.19	20.22			
3	256QAM	1	0	17.04	16.99	17.01	18	5	
3	256QAM	1	127	16.97	16.97	16.97			
3	256QAM	14	0	16.90	16.90	16.92			
3	256QAM	8	0	16.84	16.90	16.92			
3	256QAM	8	7	16.93	16.93	16.93			
3	256QAM	15	0	16.87	16.91	16.92	18	5	
3	256QAM	15	12	16.87	16.87	16.87			
3	256QAM	15	0	16.86	16.94	16.91			
3	256QAM	15	7	16.95	16.95	16.92			
3	256QAM	15	0	16.89	16.90	16.92	18	5	

Band 2_Ant 1(DSI 5)									
BW (MHz)	Modulation	RS	CS	Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (min)	MPE (dB)
Channel									
18700 18800 18900 19100									
20	QPSK	1	0		18.60	18.60			
20	QPSK	1	49		21.50	21.57	21.53	22.5	0
20	QPSK	1	99		21.49	21.58	21.48		
20	QPSK	50	0		20.92	20.93	20.91		
20	QPSK	50	24		20.91	20.97	20.92	21.5	1
20	16QAM	1	0		21.63	21.65	21.62		
20	16QAM	1	49		21.60	21.61	21.60	21.5	1
20	16QAM	1	99		21.62	21.61	21.62		
20	16QAM	50	0		19.90	19.92	19.99		
20	16QAM	50	24		19.95	19.97	19.95	20.5	2
20	16QAM	100	0		19.90	19.91	19.99		
20	16QAM	100	24		19.91	19.93	19.95		
20	16QAM	50	0		18.84	18.85	18.85	19.5	3
20	16QAM	50	48		18.84	18.85	18.85		
20	16QAM	50	50		18.84	18.88	18.83		
20	16QAM	100	0		18.87	18.88	18.85		
20	16QAM	100	24		18.87	18.89	18.87		
20	16QAM	100	49		18.90	18.90	18.89	17.5	1
20	16QAM	100	99		18.88	18.91	18.89		
20	16QAM	100	148		18.88	18.90	18.89		
20	16QAM	50	24		18.86	18.88	18.86	17.5	1
20	16QAM	50	50		18.86	18.93	18.87		
20	16QAM	50	99		18.87	18.92	18.88		
20	16QAM	50	148		18.91	18.90	18.91		
Channel									
1907.4 1898 1909.5 1921.5									
15	QPSK	1	0		19.07.4	18.98	19.15	Turn-up time (min)	MPE (dB)
15	QPSK	1	37		21.44	21.52	21.47	22.5	0
15	QPSK	1	74		21.44	21.51	21.45		
15	QPSK	12	0		20.92	20.93	20.91		
15	QPSK	12	24		20.91	20.97	20.92	21.5	1
15	QPSK	36	0		20.89	20.91	20.82		
15	QPSK	36	24		20.89	20.92	20.89		
15	16QAM	1	0		20.96	20.99	21.01		
15	16QAM	1	37		20.94	20.98	20.97	21.5	1
15	16QAM	1	74		20.95	20.97	20.96		
15	16QAM	36	0		19.89	19.90	19.85		
15	16QAM	36	24		19.89	19.90	19.85	20.5	2
15	16QAM	36	48		19.78	19.79	19.84		
15	16QAM	75	0		19.78	19.78	19.81		
15	16QAM	1	0		19.82	19.82	19.89	20.5	2
15	16QAM	1	37		19.82	19.78	19.85		
15	16QAM	1	74		19.82	19.89	19.88		
15	16QAM	36	0		18.85	18.85	18.87	19.5	3
15	16QAM	36	24		18.85	18.87	18.83		
15	16QAM	36	48		18.75	18.82	18.75		
15	16QAM	75	0		18.75	18.82	18.75		
15	16QAM	1	37		18.87	18.80	18.83	17.5	5
15	16QAM	1	74		18.74	18.80	18.80		
15	16QAM	36	24		18.86	18.87	18.85		
15	16QAM	36	48		18.85	18.86	18.82	17.5	5
15	16QAM	36	50		18.77	18.77	18.86		
15	16QAM	100	0		19.89	19.89	19.92		
Channel									
1890.5 18800 18905 19100.5									
15	QPSK	1	0		18.90.5	18.80	19.05	Turn-up time (min)	MPE (dB)
15	QPSK	1	25		21.44	21.52	21.47	22.5	0
15	QPSK	1	49		21.44	21.50	21.46		
15	QPSK	12	0		20.90	20.91	20.89		
15	QPSK	12	24		20.90	20.94	20.90	21.5	1
15	QPSK	25	0		20.88	20.91	20.84		
15	QPSK	25	24		20.88	20.92	20.88		
15	16QAM	1	0		21.00	21.02	21.00		
15	16QAM	1	25		20.99	21.00	20.98	21.5	1
15	16QAM	1	49		20.98	21.04	20.87		
15	16QAM	12	0		19.82	19.83	19.80		
15	16QAM	12	24		19.82	19.78	19.82	20.5	2
15	16QAM	12	49		19.82	19.78	19.82		
15	16QAM	50	0		19.80	19.80	19.78		
15	16QAM	1	0		19.90	19.85	19.75		
15	16QAM	1	25		19.84	19.77	19.81	20.5	2
15	16QAM	1	49		19.84	19.77	19.81		
15	16QAM	12	24		19.75	19.79	19.77		
15	16QAM	25	0		18.88	18.82	18.87	19.5	3
15	16QAM	25	12		18.88	18.82	18.87		
15	16QAM	25	24		18.78	18.82	18.75		
15	16QAM	50	0		18.78	18.86	18.77		
15	16QAM	50	24		18.85	18.84	18.85	17.5	5
15	16QAM	1	25		18.86	18.86	18.88		
15	16QAM	1	49		18.75	18.76	18.84	17.5	5
15	16QAM	12	0		18.87	18.87	18.87		
15	16QAM	12	24		18.85	18.86	18.88	17.5	5
15	16QAM	25	12		18.85	18.86	18.88		
15	16QAM	25	24		18.83	18.86	18.75	17.5	5
15	16QAM	50	0		18.83	18.86	18.75		
Channel									
1902.5 18905 18905 1917.5									
15	QPSK	1	0		21.01	21.01	21.01	Turn-up time (min)	MPE (dB)
15	QPSK	1	25		21.45	21.53	21.47	22.5	0
15	QPSK	1	49		21.45	21.50	21.46		
15	QPSK	12	0		20.90	20.90	20.88		
15	QPSK	12	13		20.89	20.91	20.87	21.5	1
15	QPSK	25	0		20.87	20.90	20.86		
15	16QAM	1	0		20.99	21.00	20.98		
15	16QAM	1	12		20.88	20.88	20.83	21.5	1
15	16QAM	1	25		20.92	20.92	20.92		
15	16QAM	12	0		19.86	19.89	19.83		
15	16QAM	12	7		19.77	19.81	19.83	20.5	2
15	16QAM	12	13		19.78	19.78	19.83		
15	16QAM	12	24		19.78	19.78	19.83		
15	16QAM	25	0		19.75	19.77	19.76		
15	16QAM	1	0		18.87	18.88	18.83	20.5	2
15	16QAM	1	12		18.84	18.83	18.83		
15	16QAM	1	24		19.77	19.90	19.77	19.5	3
15	16QAM	12	0		18.77	18.79	18.80		
15	16QAM	12	13		18.78	18.78	18.78		
15	16QAM	12	18		18.83	18.82	18.71		
15	16QAM	25	0		18.76	18.80	18.71	17.5	5
15	16QAM	25	13		18.80	18.83	18.78		
15	16QAM	1	12		18.75	18.62	18.78	17.5	5
15	16QAM	1	24		18.98	18.80	18.85		
15	16QAM	12	7		18.87	18.87	18.87	17.5	5
15	16QAM	12	13		18.87	18.87	18.87		
15	16QAM	12	18		18.80	18.78	18.75	17.5	5
15	16QAM	50	0		18.82	18.81	18.82		
Channel									
1851.5 1880 1880 1916.5									
3	QPSK	1	0		21.49	21.61	21.49	Turn-up time (min)	MPE (dB)
3	QPSK	1	25		21.45	21.52	21.47	22.5	0
3	QPSK	1	49		21.45	21.50	21.44		
3	QPSK	8	0		20.91	20.91	20.86		
3	QPSK	8	24		20.90	20.90	20.86	21.5	1
3	QPSK	8	7		20.85	20.89	20.85		
3	QPSK	15	0		20.87	20.87	20.85		
3	16QAM	1	0		20.97	21.01	20.99	21.5	1
3	16QAM	1	14		20.98	20.98	20.98		
3	16QAM	8	4		19.83	19.83	19.81	20.5	2
3	16QAM	8	14		19.83	19.83	19.81		
3	16QAM	15	0		19.80	19.77	19.80		
3	16QAM	1	0		19.86	19.91	19.83	20.5	2
3	16QAM	1	14		19.86	19.91	19.83		
3	16QAM	1	14		19.78	19.76	19.76	19.5	3
3	16QAM	8	0		18.78	18.78	18.75		
3	16QAM	8	7		18.81	18.81	18.77		
3	16QAM	8	7		18.80	18.78	18.74	19.5	3
3	16QAM	15	0		18.84	18.87	18.72		
3	16QAM	1	0		18.80	18.84	18.79	17.5	5
3	16QAM	1	8		18.79	18.79	18.79		
3	16QAM	1	14		18.82	18.82	18.75		
3	16QAM	1	14		18.84	18.88	18.79	17.5	5
3	16QAM	8	4		18.81	18.80	18.87		
3	16QAM	8	7		18.77	18.81	18.75	17.5	5
3	16QAM	1	8		18.84	18.79	18.78		
3	16QAM	3	3		18.82	18.82	18.74	17.5	5
3	16QAM	3	3		18.82	18.82	18.74		
3	16QAM	15	0		18.80	18.80	18.78	17.5	5
Channel									
1860.7 18900 18900.5 19193									
1.4	QPSK	1	0		21.50	21.50	21.51	Turn-up time (min)	MPE (dB)
1.4	QPSK	1	25		21.46	21.52	21.47	22.5	0
1.4	QPSK	1	49		21.46	21.57	21.44		
1.4	QPSK	3	0		21.50	21.50	21.49		
1.4	QPSK	3	3		21.46	21.52	21.46	21.5	1
1.4	16QAM	1	0		20.98	20.98	20.97		
1.4	16QAM	1	3		20.98	20.98	20.94		
1.4	16QAM	3	0		20.96	20.96	20.96	21.5	1
1.4	16QAM	3	3		20.86	20.88	20.88		
1.4	16QAM	3	3		20.87	20.87	20.87		
1.4	16QAM	3	3		20.82	20.83	20.84	20.5	2
1.4	16QAM	0	0		19.85	19.79	19.78		
1.4	16QAM	0	3		19.85	19.79	19.78		
1.4	16QAM	3	0		19.82	19.79	19.79	20.5	2
1.4	16QAM	3	3		19.79	19.83	19.86		
1.4	16QAM	3	3		18.84	18.88	18.89	19.5	3
1.4	16QAM	3	3						

Band 5_Ant 0(DSI 1)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up time (min)	MTR (dB)		
Channel 1										Channel 2
Frequency (MHz)										Frequency (MHz)
10	QPSK	1	0	21.36	21.41	21.46				20
10	QPSK	1	25	21.33	21.38	21.43	24	0		20
10	QPSK	1	49	21.30	21.35	21.40				20
10	QPSK	25	0	21.32	21.40	21.48				20
10	QPSK	25	12	21.31	21.38	21.45	23	1		20
10	QPSK	25	25	21.29	21.35	21.41				20
10	QPSK	50	0	21.31	21.37	21.43				20
10	16QAM	1	0	21.28	21.37	21.46	23	1		20
10	16QAM	1	25	21.25	21.37	21.49				20
10	16QAM	1	49	21.21	21.39	21.51				20
10	16QAM	25	0	21.38	21.42	21.46				20
10	16QAM	25	12	21.37	21.41	21.45	22	2		20
10	16QAM	25	25	21.33	21.41	21.49				20
10	16QAM	50	0	21.32	21.41	21.50				20
10	64QAM	1	25	21.35	21.38	21.41	22	2		20
10	64QAM	1	49	21.34	21.37	21.40				20
10	64QAM	25	0	20.32	20.42	20.53				20
10	64QAM	25	12	20.34	20.39	20.43	21	3		20
10	64QAM	25	25	20.31	20.42	20.53				20
10	256QAM	1	0	18.37	18.39	18.39				20
10	256QAM	1	25	18.33	18.37	18.39	19	5		20
10	256QAM	1	49	18.33	18.37	18.39				20
10	256QAM	25	0	18.38	18.42	18.43				20
10	256QAM	25	12	18.37	18.42	18.43	19	5		20
10	256QAM	25	25	18.37	18.41	18.39				20
10	256QAM	50	0	18.31	18.39	18.39				20
Channel 3										Channel 4
Frequency (MHz)										Frequency (MHz)
5	QPSK	1	0	21.29	21.34	21.39				20
5	QPSK	1	12	21.28	21.34	21.39	24	0		20
5	QPSK	1	24	21.27	21.32	21.37				20
5	QPSK	12	0	21.30	21.33	21.36				20
5	QPSK	12	7	21.29	21.32	21.34	23	1		20
5	QPSK	12	14	21.28	21.31	21.34				20
5	QPSK	25	0	21.27	21.33	21.39				20
5	16QAM	1	0	21.26	21.33	21.39	23	1		20
5	16QAM	1	25	21.23	21.31	21.38				20
5	16QAM	1	49	21.21	21.32	21.34				20
5	16QAM	12	0	21.24	21.29	21.34	22	2		20
5	16QAM	12	7	21.23	21.28	21.33				20
5	16QAM	12	14	21.22	21.29	21.36				20
5	16QAM	25	0	21.20	21.26	21.33				20
5	16QAM	25	12	21.19	21.26	21.33	22	2		20
5	16QAM	25	25	21.18	21.26	21.33				20
5	64QAM	1	12	21.19	21.24	21.29				20
5	64QAM	1	24	21.18	21.21	21.19				20
5	64QAM	1	36	21.17	21.21	21.19				20
5	64QAM	12	7	20.22	20.26	20.22	21	3		20
5	64QAM	12	14	20.19	20.26	20.26				20
5	64QAM	25	0	20.28	20.29	20.29				20
5	256QAM	1	0	18.23	18.26	18.28				20
5	256QAM	1	12	18.21	18.26	18.25	19	5		20
5	256QAM	1	24	18.24	18.26	18.23				20
5	256QAM	12	0	18.33	18.39	18.27				20
5	256QAM	12	7	18.32	18.39	18.27	19	5		20
5	256QAM	12	14	18.31	18.29	18.30				20
5	256QAM	25	0	18.27	18.27	18.28				20
Channel 5										Channel 6
Frequency (MHz)										Frequency (MHz)
3	QPSK	1	0	21.33	21.37	21.34				20
3	QPSK	1	8	21.29	21.33	21.35	24	0		20
3	QPSK	1	16	21.23	21.30	21.32				20
3	QPSK	8	0	21.29	21.33	21.32				20
3	QPSK	8	4	21.26	21.31	21.34	23	1		20
3	QPSK	8	12	21.22	21.31	21.35				20
3	QPSK	16	0	21.25	21.32	21.27				20
3	16QAM	1	0	21.25	21.32	21.27	23	1		20
3	16QAM	1	8	21.23	21.31	21.28				20
3	16QAM	1	16	21.22	21.31	21.30				20
3	16QAM	8	0	21.29	21.36	21.33	22	2		20
3	16QAM	8	4	21.27	21.36	21.30				20
3	64QAM	1	0	21.27	21.36	21.30				20
3	64QAM	1	8	21.25	21.33	21.28	22	2		20
3	64QAM	1	16	21.20	21.29	21.29				20
3	64QAM	8	0	20.34	20.40	20.30				20
3	64QAM	8	4	20.21	20.39	20.24	21	3		20
3	64QAM	8	7	20.39	20.32	20.32				20
3	64QAM	16	0	20.21	20.32	20.27				20
3	256QAM	1	0	18.33	18.34	18.28				20
3	256QAM	1	8	18.29	18.34	18.25	19	5		20
3	256QAM	1	16	18.31	18.32	18.28				20
3	256QAM	8	0	18.32	18.27	18.28				20
3	256QAM	8	4	18.32	18.29	18.27	19	5		20
3	256QAM	8	7	18.29	18.29	18.30				20
3	256QAM	16	0	18.29	18.28	18.32				20
Channel 7										Channel 8
Frequency (MHz)										Frequency (MHz)
1.4	QPSK	1	0	21.33	21.36	21.36				20
1.4	QPSK	1	3	21.32	21.36	21.31	24	0		20
1.4	QPSK	1	6	21.34	21.32	21.35				20
1.4	QPSK	3	0	21.32	21.40	21.32				20
1.4	QPSK	3	1	21.26	21.37	21.34	23	1		20
1.4	QPSK	3	3	21.30	21.31	21.31				20
1.4	QPSK	6	0	21.30	21.37	21.35	23	1		20
1.4	16QAM	1	0	21.27	21.31	21.28				20
1.4	16QAM	1	3	21.25	21.32	21.28	23	1		20
1.4	16QAM	1	6	21.30	21.39	21.31				20
1.4	16QAM	3	0	21.29	21.35	21.25				20
1.4	16QAM	3	1	21.29	21.37	21.29	22	2		20
1.4	16QAM	3	3	21.26	21.36	21.32				20
1.4	64QAM	1	3	21.27	21.34	21.24	22	2		20
1.4	64QAM	1	6	21.23	21.36	21.24				20
1.4	64QAM	3	0	21.20	21.30	21.27				20
1.4	64QAM	3	1	21.25	21.25	21.21	21	3		20
1.4	64QAM	3	3	20.30	20.40	20.34				20
1.4	256QAM	1	0	18.23	18.31	18.24				20
1.4	256QAM	1	3	18.24	18.30	18.25	19	5		20
1.4	256QAM	1	6	18.29	18.25	18.28				20
1.4	256QAM	3	0	18.29	18.27	18.27				20
1.4	256QAM	3	1	18.29	18.25	18.27	19	5		20
1.4	256QAM	3	3	18.35	18.32	18.31				20
1.4	256QAM	3	6	18.29	18.29	18.27				20
1.4	256QAM	3	9	18.27	18.28	18.30				20
1.4	256QAM	6	0	18.20	18.26	18.21	19	5		20

Band 5_Ant 1 (DSI 5)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (Sec)	MPE (dB)		
Channel										
Frequency (MHz)										Frequency (MHz)
10	QPSK	1	0	21.38	21.40	21.42				20
10	QPSK	1	25	21.32	21.37	21.41	24	0		20
10	QPSK	1	49	21.23	21.32	21.41				20
10	QPSK	25	0	21.35	21.38	21.43				20
10	QPSK	25	12	21.34	21.33	21.39	23	1		20
10	QPSK	25	25	21.32	21.34	21.38				20
10	QPSK	50	0	21.33	21.35	21.41				20
10	16QAM	1	0	21.29	21.36	21.39	23	1		20
10	16QAM	1	25	21.23	21.34	21.38				20
10	16QAM	1	49	21.33	21.31	21.36				20
10	16QAM	25	0	20.80	20.83	20.78				20
10	16QAM	25	12	20.75	20.81	20.71	22	2		20
10	16QAM	25	25	20.74	20.80	20.74				20
10	64QAM	1	25	20.79	20.77	20.77	22	2		20
10	64QAM	1	49	20.78	20.81	20.72				20
10	64QAM	25	0	19.80	19.81	19.78				20
10	64QAM	25	12	19.74	19.78	19.74	21	3		20
10	64QAM	25	25	19.73	19.75	19.71				20
10	256QAM	1	0	18.76	18.78	18.73				20
10	256QAM	1	25	17.77	17.77	17.73	19	5		20
10	256QAM	1	49	17.74	17.78	17.75				20
10	256QAM	25	0	17.80	17.79	17.74				20
10	256QAM	25	12	17.72	17.78	17.73	19	5		20
10	256QAM	25	25	17.75	17.76	17.72				20
10	256QAM	50	0	17.75	17.73	17.73	19	5		20
Channel										
Frequency (MHz)										Frequency (MHz)
5	QPSK	1	0	21.38	21.40	21.42				20
5	QPSK	1	25	21.32	21.37	21.41	24	0		20
5	QPSK	1	49	21.23	21.32	21.41				20
5	QPSK	25	0	21.35	21.38	21.43				20
5	QPSK	25	12	21.34	21.33	21.39	23	1		20
5	QPSK	25	25	21.32	21.34	21.38				20
5	QPSK	50	0	21.33	21.35	21.41				20
5	16QAM	1	0	21.29	21.36	21.39	23	1		20
5	16QAM	1	25	21.23	21.34	21.38				20
5	16QAM	1	49	21.33	21.31	21.36				20
5	16QAM	25	0	20.80	20.83	20.78				20
5	16QAM	25	12	20.75	20.81	20.71	22	2		20
5	16QAM	25	25	20.74	20.80	20.74				20
5	64QAM	1	25	20.79	20.77	20.77	22	2		20
5	64QAM	1	49	20.78	20.81	20.72				20
5	64QAM	25	0	19.80	19.81	19.78				20
5	64QAM	25	12	19.74	19.78	19.74	21	3		20
5	64QAM	25	25	19.73	19.75	19.71				20
5	256QAM	1	0	18.76	18.78	18.73				20
5	256QAM	1	25	17.77	17.77	17.73	19	5		20
5	256QAM	1	49	17.74	17.78	17.75				20
5	256QAM	25	0	17.80	17.79	17.74				20
5	256QAM	25	12	17.72	17.78	17.73	19	5		20
5	256QAM	25	25	17.75	17.76	17.72				20
5	256QAM	50	0	17.75	17.73	17.73	19	5		20
Channel										
Frequency (MHz)										Frequency (MHz)
5	QPSK	1	0	21.38	21.40	21.42				20
5	QPSK	1	25	21.32	21.37	21.41	24	0		20
5	QPSK	1	49	21.23	21.32	21.41				20
5	QPSK	25	0	21.35	21.38	21.43				20
5	QPSK	25	12	21.34	21.33	21.39	23	1		20
5	QPSK	25	25	21.32	21.34	21.38				20
5	QPSK	50	0	21.33	21.35	21.41				20
5	16QAM	1	0	21.29	21.36	21.39	23	1		20
5	16QAM	1	25	21.23	21.34	21.38				20
5	16QAM	1	49	21.33	21.31	21.36				20
5	16QAM	25	0	20.80	20.83	20.78				20
5	16QAM	25	12	20.75	20.81	20.71	22	2		20
5	16QAM	25	25	20.74	20.80	20.74				20
5	64QAM	1	25	20.79	20.77	20.77	22	2		20
5	64QAM	1	49	20.78	20.81	20.72				20
5	64QAM	25	0	19.80	19.81	19.78				20
5	64QAM	25	12	19.74	19.78	19.74	21	3		20
5	64QAM	25	25	19.73	19.75	19.71				20
5	256QAM	1	0	18.76	18.78	18.73				20
5	256QAM	1	25	17.77	17.77	17.73	19	5		20
5	256QAM	1	49	17.74	17.78	17.75				20
5	256QAM	25	0	17.80	17.79	17.74				20
5	256QAM	25	12	17.72	17.78	17.73	19	5		20
5	256QAM	25	25	17.75	17.76	17.72				20
5	256QAM	50	0	17.75	17.73	17.73	19	5		20
Channel										
Frequency (MHz)										Frequency (MHz)
5	QPSK	1	0	21.38	21.40	21.42				20
5	QPSK	1	25	21.32	21.37	21.41	24	0		20
5	QPSK	1	49	21.23	21.32	21.41				20
5	QPSK	25	0	21.35	21.38	21.43				20
5	QPSK	25	12	21.34	21.33	21.39	23	1		20
5	QPSK	25	25	21.32	21.34	21.38				20
5	QPSK	50	0	21.33	21.35	21.41				20
5	16QAM	1	0	21.29	21.36	21.39	23	1		20
5	16QAM	1	25	21.23	21.34	21.38				20
5	16QAM	1	49	21.33	21.31	21.36				20
5	16QAM	25	0	20.80	20.83	20.78				20
5	16QAM	25	12	20.75	20.81	20.71	22	2		20
5	16QAM	25	25	20.74	20.80	20.74				20
5	64QAM	1	25	20.79	20.77	20.77	22	2		20
5	64QAM	1	49	20.78	20.81	20.72				20
5	64QAM	25	0	19.80	19.81	19.78				20
5	64QAM	25	12	19.74	19.78	19.74	21	3		20
5	64QAM	25	25	19.73	19.75	19.71				20
5	256QAM	1	0	18.76	18.78	18.73				20
5	256QAM	1	25	17.77	17.77	17.73	19	5		20
5	256QAM	1	49	17.74	17.78	17.75				20
5	256QAM	25	0	17.80	17.79	17.74				20
5	256QAM	25	12	17.72	17.78	17.73	19	5		20
5	256QAM	25	25	17.75	17.76	17.72				20
5	256QAM	50	0	17.75	17.73	17.73	19	5		20
Channel										
Frequency (MHz)										Frequency (MHz)
5	QPSK	1	0	21.38	21.40	21.42				20
5	QPSK	1	25	21.32	21.37	21.41	24	0		20
5	QPSK	1	49	21.23	21.32	21.41				20
5	QPSK	25	0	21.35	21.38	21.43				20
5	QPSK	25	12	21.34	21.33	21.39	23	1		20
5	QPSK	25	25	21.32	21.34	21.38				20
5	QPSK	50	0	21.33	21.35	21.41				20
5	16QAM	1	0	21.29	21.36	21.39	23	1		20
5	16QAM	1	25	21.23	21.34	21.38				20
5	16QAM	1	49	21.33	21.31	21.36				20
5	16QAM	25	0	20.80	20.83	20.78				20
5	16QAM	25	12	20.75	20.81	20.71	22	2		20
5	16QAM	25	25	20.74	20.80	20.74				20
5	64QAM	1	25	20.79	20.77	20.77	22	2		20
5	64QAM	1	49	20.78	20.81	20.72				20
5	64QAM	25	0	19.80	19.81	19.78				20
5	64QAM	25	12	19.74	19.78	19.74	21	3		20
5	64QAM	25	25	19.73	19.75	19.71				20
5	256QAM	1	0	18.76	18.78	18.73				20
5	256QAM	1	25	17.77	17.77	17.73	19	5		20
5	256QAM	1	49	17.74	17.78	17.75				20
5	256QAM	25	0	17.80	17.79	17.74				20
5	256QAM	25	12	17.72	17.78	17.73	19	5		20
5	256QAM	25	25	17.75	17.76	17.72				20
5	256QAM	50	0	17.75	17.73	17.73	19	5		20
Channel										
Frequency (MHz)										Frequency (MHz)
5	QPSK	1	0	21.38	21.40	21.42				20
5	QPSK	1	25	21.32	21.37	21.41	24	0		20
5	QPSK	1	49	21.23	21.32	21.41				20
5	QPSK	25	0	21.35	21.38	21.43				20
5	QPSK	25	12	21.34	21.33	21.39	23	1		20
5	QPSK	25	25	21.32	21.34	21.38				20
5	QPSK	50	0	21.33	21.35	21.41				20
5	16QAM	1	0	21.29	21.36	21.39	23	1		20
5	16QAM	1	25	21.23	21.34	21.38				20
5	16QAM	1	49	21.33	21.31	21.36				20
5	16QAM	25	0	20.80	20.83	20.78				20
5	16QAM	25	12	20.75	20.81	20.71	22	2		20
5	16QAM	25	25	20.74	20.80	20.74				20
5	64QAM	1	25	20.79	20.77	20.77	22	2		20
5	64QAM	1	49	20.78	20.81	20.72				20
5	64QAM	25	0	19.80	19.81	19.78				20
5	64QAM	25	12	19.74	19.78	19.74	21	3		20
5	64QAM	25	25	19.73	19.75	19.71				20
5	256QAM	1	0	18.76	18.78	18.73				20
5	256QAM	1	25	17.77	17.77					

Band 13_Ant 0(DSI 1)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPE (dB)		
Channel				23250						
Frequency (MHz)				742						
10	QPSK	1	0	23.44	23.43	23.43	24	0		
10	QPSK	1	25	23.43	23.43	23.43				
10	QPSK	1	49	23.43	23.42	23.42				
10	QPSK	25	0	22.45	22.45	22.45				
10	QPSK	25	12	22.38	22.38	22.38				
10	QPSK	25	25	22.41	22.41	22.41	23	1		
10	QPSK	50	0	22.45	22.45	22.45				
10	16QAM	1	0	21.40	21.40	21.40				
10	16QAM	1	25	21.43	21.43	21.43				
10	16QAM	1	49	21.40	21.40	21.40				
10	16QAM	25	0	21.43	21.43	21.43	22	2		
10	16QAM	25	12	21.40	21.40	21.40				
10	16QAM	25	15	21.37	21.37	21.37				
10	16QAM	50	0	21.38	21.38	21.38				
10	16QAM	50	12	21.41	21.41	21.41				
10	64QAM	1	25	21.37	21.37	21.37	22	2		
10	64QAM	1	49	21.40	21.40	21.40				
10	64QAM	25	0	20.44	20.44	20.44				
10	64QAM	25	12	20.38	20.38	20.38				
10	64QAM	25	25	20.42	20.42	20.42				
10	256QAM	1	0	18.42	18.42	18.42	19	5		
10	256QAM	1	25	18.46	18.46	18.46				
10	256QAM	1	49	18.38	18.38	18.38				
10	256QAM	25	0	18.49	18.49	18.49				
10	256QAM	25	12	18.42	18.42	18.42				
10	256QAM	25	25	18.43	18.43	18.43				
10	256QAM	50	0	18.41	18.41	18.41				
Channel				23255						
Frequency (MHz)				743						
Frequency (MHz)				744						
5	QPSK	1	0	23.37	23.39	23.41	24	0		
5	QPSK	1	24	23.37	23.41	23.38				
5	QPSK	12	0	22.44	22.42	22.40				
5	QPSK	12	7	22.35	22.31	22.32				
5	QPSK	12	13	22.37	22.37	22.34				
5	QPSK	25	0	22.38	22.40	22.40	23	1		
5	16QAM	1	0	21.36	21.35	21.38				
5	16QAM	1	12	21.33	21.33	21.35				
5	16QAM	1	24	21.36	21.39	21.35				
5	16QAM	12	0	21.32	21.42	21.38				
5	16QAM	12	7	21.33	21.33	21.35	22	2		
5	16QAM	12	13	21.29	21.25	21.31				
5	16QAM	25	0	21.35	21.36	21.37				
5	16QAM	25	0	21.36	21.35	21.34				
5	64QAM	1	24	21.32	21.33	21.28				
5	64QAM	12	0	20.42	20.41	20.43	22	2		
5	64QAM	12	7	20.34	20.31	20.32				
5	64QAM	12	13	20.39	20.25	20.40				
5	256QAM	1	0	18.34	18.31	18.39				
5	256QAM	1	12	18.28	18.25	18.29				
5	256QAM	1	24	18.34	18.32	18.31	19	5		
5	256QAM	12	0	18.40	18.41	18.31				
5	256QAM	12	7	18.27	18.26	18.28				
5	256QAM	12	13	18.30	18.25	18.34				
5	256QAM	25	0	18.31	18.30	18.40				

Band 14_Ant 4(DSI 3)												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPE (dB)				
Channel 1												
Frequency (MHz)												
10	QPSK	1	0	28.50	28.50	28.50	29.5	0				
10	QPSK	1	25	28.77	28.77	28.77						
10	QPSK	1	49	28.72	28.72	28.72						
10	QPSK	25	0	27.83	27.83	27.83						
10	QPSK	25	12	27.76	27.76	27.81						
10	QPSK	25	15	27.85	27.85	27.75	28.5	1				
10	16QAM	1	0	27.88	27.88	27.88						
10	16QAM	1	25	28.05	28.05	28.05						
10	16QAM	25	0	28.21	28.21	28.21						
10	16QAM	25	12	28.15	28.15	28.22						
10	16QAM	25	15	28.22	28.22	28.15	27.5	2				
10	16QAM	50	0	28.05	28.05	28.05						
10	16QAM	50	12	27.98	27.98	27.98						
10	16QAM	50	15	28.03	28.03	28.03						
10	16QAM	50	25	27.92	27.92	27.92						
10	64QAM	1	0	27.88	27.88	27.88	26.5	3				
10	64QAM	1	25	28.05	28.05	28.05						
10	64QAM	1	49	28.05	28.05	28.05						
10	64QAM	25	0	26.75	26.75	26.75						
10	64QAM	25	12	26.70	26.70	26.77						
10	256QAM	1	0	25.73	25.73	25.73	24.5	5				
10	256QAM	1	25	25.95	25.95	25.95						
10	256QAM	1	49	25.95	25.95	25.95						
10	256QAM	25	0	23.62	23.62	23.62						
10	256QAM	25	12	23.57	23.57	23.64						
10	256QAM	25	15	23.64	23.64	23.64	24.5	5				
10	256QAM	50	0	23.62	23.62	23.62						
10	256QAM	50	12	23.59	23.59	23.59						
10	256QAM	50	15	23.66	23.66	23.66						
10	256QAM	50	25	23.63	23.63	23.63						
Channel 2												
Frequency (MHz)												
5	QPSK	1	0	28.88	28.80	28.91	29.5	0				
5	QPSK	1	12	28.85	28.72	28.72						
5	QPSK	1	24	28.73	28.85	28.91						
5	QPSK	12	0	27.81	27.87	27.81						
5	QPSK	12	7	27.75	27.78	27.75						
5	QPSK	12	13	27.83	27.88	27.75	28.5	1				
5	QPSK	25	0	27.82	27.73	27.82						
5	16QAM	1	0	27.87	27.88	27.85						
5	16QAM	1	12	27.80	27.82	27.84						
5	16QAM	1	24	28.17	28.25	28.15						
5	16QAM	12	0	28.52	28.55	28.54	27.5	2				
5	16QAM	12	7	28.71	28.72	28.68						
5	16QAM	12	13	28.72	28.69	28.77						
5	16QAM	25	0	28.60	28.61	28.66						
5	16QAM	25	0	27.82	28.96	27.82						
5	64QAM	1	12	27.81	28.50	28.58	27.5	2				
5	64QAM	1	24	27.76	27.81	27.75						
5	64QAM	12	0	26.82	26.84	26.89						
5	64QAM	12	7	26.81	26.84	26.86						
5	64QAM	12	13	26.87	26.77	26.97						
5	256QAM	1	0	25.77	25.74	25.7	26.5	3				
5	256QAM	1	12	25.81	25.84	25.86						
5	256QAM	1	24	25.87	25.87	25.87						
5	256QAM	12	0	25.65	25.65	25.76						
5	256QAM	12	7	25.77	25.77	25.85						
5	256QAM	12	13	25.89	25.87	25.85	24.5	5				
5	256QAM	25	0	23.55	23.52	23.55						
5	256QAM	25	12	23.55	23.52	23.55						
5	256QAM	25	15	23.62	23.67	23.62						
5	256QAM	25	25	23.67	23.67	23.67						
5	256QAM	50	0	23.55	23.52	23.57	24.5	5				
5	256QAM	50	12	23.55	23.52	23.57						
5	256QAM	50	15	23.64	23.62	23.64						

Band 26(FCC)_Ant 0(DSI 1)											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mids Ch / Freq	Power High Ch / Freq	Turn-up Int (dB)	MPE (dB)			
Channel											
				26765	26767	26769					
Frequency (MHz)				831.5	831.5	831.5					
16	QPSK	1	0	23.03	23.03	23.06	24	0			
16	QPSK	1	37	23.47	23.52	23.41					
16	QPSK	1	74	23.44	23.46	23.45					
16	QPSK	36	0	22.46	22.45	22.42					
16	QPSK	36	20	22.45	22.45	22.37	23	1			
16	QPSK	75	0	22.41	22.45	22.38					
16	16QAM	1	0	22.42	22.45	22.40					
16	16QAM	1	37	22.44	22.48	22.39					
16	16QAM	1	74	22.43	22.45	22.41	23	1			
16	16QAM	36	0	21.48	21.50	21.45					
16	16QAM	36	20	21.44	21.49	21.44					
16	16QAM	36	39	21.47	21.48	21.43					
16	16QAM	75	0	21.43	21.45	21.43	22	2			
16	64QAM	1	0	21.42	21.46	21.41					
16	64QAM	1	37	21.45	21.47	21.42					
16	64QAM	1	74	21.45	21.48	21.41					
16	64QAM	36	0	20.48	20.50	20.48	21	3			
16	64QAM	36	20	20.45	20.45	20.45					
16	64QAM	36	39	20.43	20.49	20.43					
16	256QAM	1	0	18.43	18.49	18.39					
16	256QAM	1	37	18.41	18.50	18.38	19	5			
16	256QAM	1	74	18.43	18.44	18.43					
16	256QAM	36	0	18.47	18.51	18.45					
16	256QAM	36	20	18.40	18.48	18.41					
16	256QAM	36	39	18.40	18.50	18.38	19	5			
16	256QAM	75	0	18.43	18.50	18.40					
Channel				26740	26685	26690					Turn-up Int (dB)
Frequency (MHz)				831.5	831.5	831.5	Turn-up Int (dB)				
16	QPSK	1	0	23.49	23.49	23.41	24	0			
16	QPSK	1	25	23.40	23.47	23.34					
16	QPSK	1	49	23.41	23.45	23.45					
16	QPSK	25	0	22.41	22.48	22.40					
16	QPSK	25	12	22.39	22.42	22.35	23	1			
16	QPSK	25	25	22.43	22.44	22.31					
16	QPSK	50	0	22.38	22.44	22.32					
16	16QAM	1	0	22.35	22.44	22.38					
16	16QAM	1	25	22.42	22.43	22.33	23	1			
16	16QAM	1	49	22.40	22.37	22.36					
16	16QAM	25	0	21.44	21.47	21.40					
16	16QAM	25	12	21.35	21.47	21.41					
16	16QAM	25	25	21.32	21.40	21.37	22	2			
16	16QAM	50	0	21.41	21.42	21.41					
16	64QAM	1	0	21.38	21.38	21.38					
16	64QAM	1	25	21.31	21.40	21.45					
16	64QAM	1	49	21.40	21.37	21.40	22	2			
16	64QAM	25	0	20.39	20.38	20.42					
16	64QAM	25	12	20.35	20.35	20.38					
16	64QAM	25	25	20.41	20.35	20.38					
16	64QAM	50	0	20.39	20.45	20.39	21	3			
16	256QAM	1	0	18.39	18.38	18.33					
16	256QAM	1	25	18.35	18.35	18.34					
16	256QAM	1	49	18.32	18.43	18.31					
16	256QAM	25	0	18.33	18.35	18.32	19	5			
16	256QAM	25	12	18.32	18.35	18.32					
16	256QAM	25	25	18.37	18.43	18.32					
16	256QAM	50	0	18.28	18.48	18.33					
Channel				26715	26660	26675					Turn-up Int (dB)
Frequency (MHz)				831.5	831.5	831.5	Turn-up Int (dB)				
3	QPSK	1	0	23.49	23.51	23.42	24	0			
3	QPSK	1	8	23.41	23.46	23.36					
3	QPSK	1	14	23.39	23.43	23.38					
3	QPSK	8	0	22.42	22.46	22.41					
3	QPSK	8	4	22.42	22.45	22.38	23	1			
3	QPSK	8	7	22.44	22.38	22.34					
3	QPSK	15	0	22.40	22.44	22.33					
3	16QAM	1	0	22.37	22.40	22.33					
3	16QAM	1	8	22.38	22.44	22.38	23	1			
3	16QAM	1	14	22.40	22.40	22.32					
3	16QAM	8	0	21.39	21.43	21.37					
3	16QAM	8	4	21.43	21.41	21.43					
3	16QAM	8	7	21.41	21.38	21.33	22	2			
3	16QAM	15	0	21.39	21.37	21.36					
3	64QAM	1	0	21.38	21.42	21.27					
3	64QAM	1	8	21.40	21.34	21.29					
3	64QAM	1	14	21.34	21.33	21.31	21	3			
3	64QAM	8	0	20.40	20.43	20.31					
3	64QAM	8	4	20.31	20.37	20.35					
3	64QAM	8	7	20.40	20.40	20.34					
3	256QAM	1	0	18.41	18.39	18.37	19	5			
3	256QAM	1	8	18.33	18.45	18.39					
3	256QAM	1	14	18.23	18.39	18.38					
3	256QAM	8	0	18.32	18.37	18.36					
3	256QAM	8	4	18.25	18.35	18.32	19	5			
3	256QAM	8	7	18.26	18.39	18.23					
3	256QAM	8	15	18.29	18.46	18.36					
Channel											
Frequency (MHz)				831.7	831.5	831.5	Turn-up Int (dB)	MPE (dB)			
1.4	QPSK	1	0	23.44	23.52	23.45	24	0			
1.4	QPSK	1	3	23.45	23.47	23.34					
1.4	QPSK	1	5	23.43	23.41	23.41					
1.4	QPSK	3	0	23.00	23.50	23.41					
1.4	QPSK	3	1	23.42	23.50	23.37	23	1			
1.4	QPSK	3	3	23.40	23.40	23.36					
1.4	QPSK	6	0	22.43	22.44	22.41					
1.4	16QAM	1	0	22.43	22.44	22.39					
1.4	16QAM	1	3	22.38	22.42	22.30	23	1			
1.4	16QAM	1	5	22.34	22.42	22.38					
1.4	16QAM	3	0	22.40	22.43	22.34					
1.4	16QAM	3	1	22.39	22.46	22.34					
1.4	16QAM	3	3	22.41	22.38	22.37	22	2			
1.4	16QAM	6	0	21.42	21.44	21.42					
1.4	64QAM	1	0	21.38	21.40	21.41					
1.4	64QAM	1	3	21.39	21.34	21.30					
1.4	64QAM	1	5	21.31	21.33	21.42	22	2			
1.4	64QAM	3	0	21.36	21.37	21.30					
1.4	64QAM	3	1	21.44	21.43	21.30					
1.4	64QAM	3	3	21.34	21.46	21.37					
1.4	64QAM	6	0	20.38	20.48	20.37	21	3			
1.4	256QAM	1	0	18.35	18.45	18.30					
1.4	256QAM	1	3	18.29	18.47	18.30					
1.4	256QAM	1	5	18.35	18.41	18.28					
1.4	256QAM	3	0	18.37	18.47	18.33	19	5			
1.4	256QAM	3	1	18.30	18.35	18.28					
1.4	256QAM	3	3	18.26	18.35	18.25					

Band 66_Ant 0(DSI 1)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mids Ch / Freq	Power High Ch / Freq	Turnup Intv (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
130972 130972 130972										
1745 1745 1745										
20	QPSK	1	0	21.09	21.07	21.06				
20	QPSK	1	49	21.75	21.87	21.72	22.5	0		
20	QPSK	1	99	21.60	21.68	21.64				
20	QPSK	50	0	20.03	20.06	20.06				
20	QPSK	50	24	20.62	20.51	20.86	21.5	1		
20	QPSK	50	50	20.77	20.88	20.80				
20	16QAM	1	0	21.13	21.26	21.18	21.5	1		
20	16QAM	1	49	21.13	21.25	21.20				
20	16QAM	1	99	21.01	21.08	21.07				
20	16QAM	50	0	19.99	19.99	19.45				
20	16QAM	50	24	19.94	19.98	19.96	20.5	2		
20	16QAM	50	50	19.96	19.88	19.80				
20	16QAM	100	0	19.89	19.92	19.83				
20	16QAM	1	0	21.01	21.08	21.07				
20	16QAM	1	49	20.51	21.00	20.95	21.5	1		
20	16QAM	1	99	20.87	20.95	20.86				
20	16QAM	50	0	19.96	19.91	19.77				
20	16QAM	50	24	19.99	20.00	19.95	20.5	2		
20	16QAM	50	50	19.74	19.88	19.85				
20	256QAM	1	0	16.57	16.63	16.52				
20	256QAM	1	49	16.43	16.55	16.53	17.5	5		
20	256QAM	1	99	16.55	16.56	16.48				
20	256QAM	50	0	16.53	16.54	16.41				
20	256QAM	50	24	16.48	16.50	16.40	17.5	5		
20	256QAM	50	50	16.67	16.62	16.48				
20	256QAM	100	0	16.54	16.60	16.56				
Channel										
Frequency (MHz)										
130972 130972 130972										
1745 1745 1745										
15	QPSK	1	0	21.80	21.83	21.82				
15	QPSK	1	37	21.60	21.80	21.83	22.5	0		
15	QPSK	1	74	21.55	21.61	21.49				
15	QPSK	36	0	20.74	20.82	20.74				
15	QPSK	36	20	20.89	20.92	20.78	21.5	1		
15	QPSK	36	39	20.71	20.85	20.79				
15	QPSK	75	0	20.75	20.88	20.87				
15	16QAM	1	0	21.10	21.20	21.14	21.5	1		
15	16QAM	1	37	21.08	21.14	21.11				
15	16QAM	1	74	20.92	20.94	20.90				
15	16QAM	36	0	19.96	19.48	19.43				
15	16QAM	36	20	19.92	19.88	19.83	20.5	2		
15	16QAM	36	39	19.72	19.76	19.74				
15	16QAM	75	0	19.88	19.69	19.71				
15	16QAM	1	0	21.00	20.94	20.95				
15	16QAM	1	37	20.76	20.86	20.87	21.5	1		
15	16QAM	1	74	20.86	20.80	20.79				
15	16QAM	36	0	19.89	19.83	19.83				
15	16QAM	36	20	19.89	19.87	19.85	20.5	2		
15	16QAM	36	39	19.45	19.86	19.71				
15	16QAM	75	0	19.75	19.80	19.74				
15	256QAM	1	0	16.47	16.60	16.37	17.5	5		
15	256QAM	1	37	16.40	16.44	16.45				
15	256QAM	1	74	16.51	16.55	16.46				
15	256QAM	36	0	16.39	16.47	16.35				
15	256QAM	36	20	16.43	16.42	16.38	17.5	5		
15	256QAM	36	39	16.49	16.60	16.47				
15	256QAM	75	0	16.48	16.53	16.48				
Channel										
Frequency (MHz)										
130972 130972 130972										
1745 1745 1745										
10	QPSK	1	0	21.79	21.84	21.86				
10	QPSK	1	25	21.66	21.75	21.83	22.5	0		
10	QPSK	1	49	21.67	21.67	21.62				
10	QPSK	25	0	20.79	20.87	20.80				
10	QPSK	25	12	20.62	20.84	20.86	21.5	1		
10	QPSK	25	25	20.76	20.79	20.74				
10	QPSK	50	0	20.80	20.76	20.71				
10	16QAM	1	0	21.15	21.22	21.17	21.5	1		
10	16QAM	1	25	21.12	21.19	21.08				
10	16QAM	1	49	20.92	20.91	20.90				
10	16QAM	25	0	19.46	19.55	19.43				
10	16QAM	25	12	19.40	19.87	19.71	20.5	2		
10	16QAM	25	25	19.78	19.76	19.73				
10	16QAM	50	0	19.74	19.83	19.70				
10	16QAM	1	0	20.87	21.06	21.04				
10	16QAM	1	25	20.67	20.94	20.89	21.5	1		
10	16QAM	1	49	20.86	20.86	20.73				
10	16QAM	25	0	19.72	19.77	19.63				
10	16QAM	25	12	19.66	19.88	19.81	20.5	2		
10	16QAM	25	25	19.40	19.80	19.84				
10	16QAM	50	0	19.75	19.80	19.75				
10	256QAM	1	0	16.48	16.62	16.37	17.5	5		
10	256QAM	1	25	16.39	16.44	16.44				
10	256QAM	1	49	16.51	16.48	16.38				
10	256QAM	25	0	16.42	16.42	16.27				
10	256QAM	25	12	16.42	16.42	16.34	17.5	5		
10	256QAM	25	25	16.54	16.47	16.38				
10	256QAM	50	0	16.51	16.53	16.52				
Channel										
Frequency (MHz)										
131022 131022 131022										
1745 1745 1745										
5	QPSK	1	0	21.82	21.90	21.85				
5	QPSK	1	12	21.69	21.72	21.67	22.5	0		
5	QPSK	1	24	21.51	21.57	21.62				
5	QPSK	12	0	20.75	20.85	20.79				
5	QPSK	12	7	20.60	20.89	20.84	21.5	1		
5	QPSK	12	13	20.64	20.84	20.71				
5	QPSK	25	0	20.79	20.79	20.71				
5	16QAM	1	0	21.13	21.18	21.04	21.5	1		
5	16QAM	1	12	21.04	21.13	21.09				
5	16QAM	1	24	20.96	21.01	20.96				
5	16QAM	12	0	19.95	19.57	19.50				
5	16QAM	12	7	19.86	19.92	19.79	20.5	2		
5	16QAM	12	13	19.81	19.86	19.78				
5	16QAM	25	0	19.87	19.83	19.80				
5	16QAM	1	0	20.88	20.98	20.95				
5	16QAM	1	12	20.89	20.95	20.86	21.5	1		
5	16QAM	1	24	20.78	20.80	20.79				
5	16QAM	12	0	19.86	19.85	19.73				
5	16QAM	12	7	19.82	19.88	19.80	20.5	2		
5	16QAM	12	13	19.72	19.87	19.80				
5	16QAM	25	0	19.81	19.89	19.81				
5	256QAM	1	0	16.48	16.58	16.51	17.5	5		
5	256QAM	1	12	16.46	16.52	16.38				
5	256QAM	1	24	16.49	16.52	16.36				
5	256QAM	12	0	16.38	16.52	16.36				
5	256QAM	12	7	16.42	16.47	16.32	17.5	5		
5	256QAM	12	13	16.47	16.61	16.47				
5	256QAM	25	0	16.51	16.50	16.41				
Channel										
Frequency (MHz)										
131052 131052 131052										
1745 1745 1745										
3	QPSK	1	0	21.83	21.90	21.87				
3	QPSK	1	8	21.64	21.74	21.69	22.5	0		
3	QPSK	1	14	21.53	21.60	21.62				
3	QPSK	8	0	20.76	20.89	20.85				
3	QPSK	8	4	20.61	20.99	20.82	21.5	1		
3	QPSK	8	7	20.69	20.74	20.79				
3	QPSK	15	0	20.72	20.81	20.84				
3	QPSK	8	14	21.48	21.18	21.17	21.5	1		
3	QPSK	8	7	21.04	21.10	21.10				
3	QPSK	8	14	20.92	21.00	20.99				
3	QPSK	15	0	19.74	19.74	19.74				
3	QPSK	15	0	19.82	19.88	19.82				
3	QPSK	1	0	20.97	21.04	21.06				
3	QPSK	1	8	20.78	20.87	20.87	21.5	1		
3	QPSK	1	14	20.84	20.86	20.72				
3	QPSK	8	0	19.76	19.85	19.83				
3	QPSK	8	7	19.81	19.84	19.84	20.5	2		
3	QPSK	8	7	19.70	19.86	19.84				
3	QPSK	15	0	19.80	19.90	19.84				
3	QPSK	15	0	19.81	19.82	19.82				
3	QPSK	15	8	19.82	19.83	19.46				
3	256QAM	1	8	16.31	16.42	16.44	17.5	5		
3	256QAM	1	14	16.47	16.42	16.38				
3	256QAM	8	0	16.42	16.42	16.33				
3	256QAM	8	4	16.44	16.38	16.30	17.5	5		
3	256QAM	8	7	16.46	16.54	16.45				
3	256QAM	15	0	16.57	16.57	16.47				
Channel										
Frequency (MHz)										
131075 131075 131075										
1745 1745 1745										
1.4	QPSK	1	0	21.81	21.91	21.83				
1.4	QPSK	1	3	21.65	21.74	21.69	22.5	0		
1.4	QPSK	1	6	21.45	21.67	21.53				
1.4	QPSK	3	0	21.80	21.82	21.70				
1.4	QPSK	3	3	21.21	21.18	21.14	21.5	1		
1.4	QPSK	3	3	21.41	21.60	21.40				
1.4	QPSK	6	0	20.78	20.83	20.77				
1.4	QPSK	6	3	21.08	21.18	21.09	21.5	1		
1.4	QPSK	3	1	21.04	21.12					

Band 38_Ant 0(DSI 1)										
EW (MHz)	Modulation	RIS Slot	RIS Offset	Power Low Ch (F/MHz)	Power High Ch (F/MHz)	Power High Ch (F/MHz)	Turn-on time (sec)	MFR (dB)		
Channel										
Frequency (MHz)				37600	38000	38100				
20 QPSK	1	0	23.11	23.15	23.20					
20 QPSK	1	49	23.08	23.09	23.09				24	0
20 QPSK	50	0	23.03	23.08	23.09					
20 QPSK	50	0	23.03	23.08	23.09					
20 QPSK	50	24	22.01	22.02	21.95				23	1
20 QPSK	50	24	22.01	22.02	21.95					
20 QPSK	100	0	22.00	22.03	21.93					
20 HQAM	1	0	21.94	21.98	21.87					
20 HQAM	1	0	21.91	21.97	21.85					
20 HQAM	50	0	21.91	21.97	21.85					
20 HQAM	50	24	20.95	20.95	20.95				22	2
20 HQAM	1	0	20.83	20.87	20.81					
20 HQAM	1	0	20.81	20.82	20.80				23	2
20 HQAM	1	49	20.83	20.87	20.81					
20 HQAM	50	0	20.80	20.80	20.80					
20 HQAM	50	24	20.80	20.80	20.80					
20 HQAM	100	0	20.80	20.80	20.80					
20 HQAM	100	0	20.80	20.80	20.80					
20 HQAM	1	0	19.89	19.99	19.96					
20 HQAM	1	24	19.86	19.92	19.84				21	3
20 HQAM	50	0	19.86	19.92	19.84					
20 HQAM	50	0	19.83	19.95	19.84					
20 HQAM	100	0	19.83	19.95	19.84					
20 HQAM	100	0	19.83	19.95	19.84					
20 HQAM	1	49	17.76	17.80	17.80					
20 HQAM	1	99	17.85	17.95	17.85					
20 HQAM	50	0	17.84	17.98	17.84					
20 HQAM	50	24	17.78	17.86	17.78					
20 HQAM	100	0	17.78	17.93	17.67					
20 HQAM	100	0	17.78	17.93	17.67					
Channel										
Frequency (MHz)				37600	38000	38100	Turn-on time (sec)	MFR (dB)		
16 QPSK	1	0	23.04	23.09	23.06					
16 QPSK	1	37	23.04	23.03	22.98				24	0
16 QPSK	50	0	23.04	23.08	23.06					
16 QPSK	50	0	22.02	22.03	21.97					
16 QPSK	50	24	21.97	21.97	21.93				23	1
16 QPSK	50	24	21.97	21.97	21.93					
16 HQAM	1	0	21.84	22.00	21.87					
16 HQAM	1	0	21.88	21.94	21.86				23	1
16 HQAM	50	0	21.88	21.94	21.86					
16 HQAM	50	24	21.84	21.95	21.82					
16 HQAM	100	0	21.84	21.95	21.82					
16 HQAM	100	0	21.84	21.95	21.82					
16 HQAM	1	0	20.85	20.94	20.81				22	2
16 HQAM	1	0	20.84	20.87	20.72					
16 HQAM	50	0	20.85	20.94	20.81					
16 HQAM	50	0	20.84	20.87	20.72					
16 HQAM	100	0	20.85	20.94	20.81					
16 HQAM	100	0	20.84	20.87	20.72					
16 HQAM	1	0	19.77	19.82	19.80				22	2
16 HQAM	1	0	19.76	19.83	19.86					
16 HQAM	50	0	19.77	19.82	19.80					
16 HQAM	50	0	19.76	19.83	19.86				21	3
16 HQAM	100	0	19.77	19.82	19.80					
16 HQAM	100	0	19.76	19.83	19.86					
16 HQAM	1	37	17.71	17.80	17.72				10	5
16 HQAM	1	74	17.78	17.84	17.77					
16 HQAM	50	0	17.78	17.84	17.77					
16 HQAM	50	24	17.74	17.84	17.74					
16 HQAM	100	0	17.78	17.84	17.77					
16 HQAM	100	0	17.78	17.84	17.77					
16 HQAM	1	0	17.86	17.92	17.86					
16 HQAM	1	39	17.71	17.88	17.77				10	5
16 HQAM	50	0	17.75	17.87	17.75					
Channel										
Frequency (MHz)				37600	38000	38100	Turn-on time (sec)	MFR (dB)		
5 QPSK	1	0	23.07	23.11	23.01					
5 QPSK	1	26	23.01	23.02	23.04				24	0
5 QPSK	1	49	23.07	23.08	23.06					
5 QPSK	12	0	23.08	23.02	23.06					
5 QPSK	12	0	23.08	23.02	23.06					
5 QPSK	12	0	23.08	23.02	23.06					
5 QPSK	25	0	23.04	23.07	23.08				23	1
5 QPSK	25	0	23.04	23.07	23.08					
5 HQAM	1	0	21.98	22.00	21.88					
5 HQAM	1	0	21.87	21.92	21.84				23	1
5 HQAM	12	0	21.98	22.00	21.88					
5 HQAM	12	0	21.87	21.92	21.84					
5 HQAM	25	0	21.98	22.00	21.88				22	2
5 HQAM	25	0	21.87	21.92	21.84					
5 HQAM	1	49	21.83	21.92	21.84					
5 HQAM	1	0	20.88	20.97	20.82					
5 HQAM	12	0	20.89	20.98	20.83					
5 HQAM	12	0	20.89	20.98	20.83					
5 HQAM	1	0	20.79	20.81	20.85					
5 HQAM	12	0	20.82	20.90	20.82					
5 HQAM	1	0	20.80	20.90	20.80				22	2
5 HQAM	1	0	20.80	20.88	20.77					
5 HQAM	12	0	20.80	20.88	20.77					
5 HQAM	12	0	20.80	20.88	20.77					
5 HQAM	25	0	19.83	19.84	19.90					
5 HQAM	25	12	19.84	19.89	19.79				21	3
5 HQAM	1	0	19.85	19.82	19.89					
5 HQAM	50	0	19.85	19.89	19.78					
5 HQAM	50	0	19.85	19.89	19.78					
5 HQAM	1	26	17.75	17.80	17.78				10	5
5 HQAM	1	46	17.78	17.92	17.79					
5 HQAM	12	0	17.78	17.88	17.80					
5 HQAM	12	0	17.72	17.78	17.74					
5 HQAM	25	12	17.72	17.78	17.74					
5 HQAM	25	12	17.72	17.78	17.74					
5 HQAM	1	0	17.84	17.92	17.81				22	2
5 HQAM	1	0	17.84	17.92	17.81					
5 HQAM	12	0	17.84	17.92	17.81					
5 HQAM	12	0	17.84	17.92	17.81					
5 HQAM	25	0	17.78	17.88	17.78				10	5
5 HQAM	25	0	17.78	17.88	17.78					

Band 38_Ant 1(DSI 5)										
EW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch (F/MHz)	Power High Ch (F/MHz)	Power High Ch (F/MHz)	Turn-on time (sec)	MFR (dB)		
Channel										
Frequency (MHz)				37600	38000	38100				
20 QPSK	1	0	23.11	23.13	23.13					
20 QPSK	1	49	22.10	22.10	22.10		23	0		
20 QPSK	1	0	23.03	23.03	23.03					
20 QPSK	50	0	23.07	23.07	23.07					
20 QPSK	50	24	21.01	21.01	21.01				22	1
20 QPSK	50	0	21.01	21.04	21.04					
20 QPSK	100	0	21.05	21.07	21.07					
20 QPSK	100	0	21.05	21.07	21.07					
20 HQAM	1	0	21.04	21.02	21.00		22	1		
20 HQAM	1	0	21.04	21.02	21.00					
20 HQAM	50	24	19.06	19.07	19.04		21	2		
20 HQAM	50	0	19.07	19.08	19.07					
20 HQAM	100	0	19.01	19.01	19.04					
20 HQAM	1	0	18.95	18.94	18.93		21	1		
20 HQAM	1	49	18.98	18.94	18.93					
20 HQAM	50	0	18.98	18.94	18.93					
20 HQAM	50	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0	18.91	18.93	18.93					
20 HQAM	100	0								

Part 27Q_Band 42_Ant 0(DSI 1)										Part 96_Band 42_Ant 0(DSI 1)										Part 27Q_Band 42_Ant 1(DSI 5)										Part 96_Band 42_Ant 1(DSI 5)										
RF [MHz]	Modulation	RB Size	RB Offset	Power Level Ch / Freq	Power Level Ch / Freq	Power Level Ch / Freq	Turn-on (dBm)	MPR (dB)		RF [MHz]	Modulation	RB Size	RB Offset	Power Level Ch / Freq	Power Level Ch / Freq	Power Level Ch / Freq	Turn-on (dBm)	MPR (dB)		RF [MHz]	Modulation	RB Size	RB Offset	Power Level Ch / Freq	Power Level Ch / Freq	Power Level Ch / Freq	Turn-on (dBm)	MPR (dB)		RF [MHz]	Modulation	RB Size	RB Offset	Power Level Ch / Freq	Power Level Ch / Freq	Power Level Ch / Freq	Turn-on (dBm)	MPR (dB)		
Channel				42195	42550	42550				Channel				43195	43340	43350				Channel				42195	42550	42550				Channel				43195	43340	43350				
Frequency (MHz)				21.15	21.15	21.15				Frequency (MHz)				20.445	20.55	20.55				Frequency (MHz)				21.05	21.15	21.15				Frequency (MHz)				21.05	21.15	21.15				
20	QPSK	5	0	21.15	21.15	21.15				20	QPSK	5	0	20.55	20.55	20.55				20	QPSK	5	0	21.05	21.15	21.15				20	QPSK	5	0	21.05	21.15	21.15				
20	QPSK	1	49	21.06	21.12	21.02			22	0				20	QPSK	1	49	20.91	20.97	20.81											20	QPSK	1	49	21.07	21.13	21.09			
20	QPSK	1	49	21.06	21.12	21.02				20	QPSK	1	49	21.06	21.12	21.02															20	QPSK	1	49	21.07	21.13	21.09			
20	QPSK	50	50	20.55	20.55	20.55				20	QPSK	50	50	20.55	20.55	20.55														20	QPSK	50	50	21.05	21.05	21.05				
20	QPSK	50	50	20.55	20.55	20.55				20	QPSK	50	50	20.55	20.55	20.55														20	QPSK	50	50	21.05	21.05	21.05				
20	QPSK	50	50	20.55	20.55	20.55				20	QPSK	50	50	20.55	20.55	20.55														20	QPSK	50	50	21.05	21.05	21.05				
20	QPSK	100	0	20.10	20.13	19.98				20	QPSK	100	0	19.87	19.98	19.83														20	QPSK	100	0	20.09	20.13	20.05				
20	QPSK	1	0	20.04	20.03	20.07				20	QPSK	1	0	19.80	19.80	19.88														20	QPSK	1	0	20.07	20.04	20.05				
20	QPSK	1	0	19.93	19.98	19.99				20	QPSK	1	49	19.93	19.97	19.97														20	QPSK	1	49	19.93	19.94	19.93				
20	QPSK	1	99	19.90	19.93	20.00				20	QPSK	1	99	19.78	19.78	19.77														20	QPSK	1	99	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78	19.78	19.77														20	QPSK	50	50	19.28	19.53	19.66				
20	QPSK	50	50	19.93	19.93	19.93				20	QPSK	50	50	19.78</																										

Band 43(FCC)_Ant 0(DSI 1)												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Time-use (min)	MPR (dB)				
Channel												
Frequency (MHz)	43650	43650	44410									
20 QPSK 1	0	21.12	21.18	21.14			22.5	0				
20 QPSK 1	48	21.10	21.03	21.08								
20 QPSK 1	96	21.11	21.04	21.08								
20 QPSK 50	0	20.16	20.22	20.18			21.5	1				
20 QPSK 50	50	20.16	20.22	20.18								
20 QPSK 100	0	20.05	20.10	20.14								
20 QPSK 100	50	20.04	20.10	20.12								
20 QPSK 1	48	20.04	20.10	20.12			21.5	1				
20 QPSK 1	96	20.02	20.15	20.18								
20 QPSK 50	0	19.07	19.10	19.15			20.5	2				
20 QPSK 50	50	19.07	19.10	19.15								
20 QPSK 100	0	18.07	18.10	18.15								
20 QPSK 100	50	18.07	18.10	18.15								
20 QPSK 1	0	18.07	18.10	18.15			20.5	2				
20 QPSK 1	48	18.00	18.02	18.04								
20 QPSK 1	96	18.00	18.02	18.04								
20 QPSK 50	0	18.01	17.99	18.01								
20 QPSK 50	50	17.91	17.97	17.92			19.5	3				
20 QPSK 100	0	17.91	17.97	17.92								
20 QPSK 100	50	17.89	17.99	17.94								
20 QPSK 1	0	16.05	16.10	16.15			17.5	5				
20 QPSK 1	48	16.07	16.09	16.10								
20 QPSK 1	96	16.04	16.03	16.03								
20 QPSK 50	0	15.04	15.08	15.12								
20 QPSK 50	50	15.04	15.08	15.12								
20 QPSK 100	0	14.05	14.10	14.15								
20 QPSK 100	50	14.05	14.10	14.15								
20 QPSK 1	0	14.05	14.10	14.15			17.5	5				
20 QPSK 1	48	14.03	14.09	14.12								
20 QPSK 1	96	14.03	14.09	14.12								
20 QPSK 50	0	13.05	13.09	13.15								
20 QPSK 50	50	13.05	13.09	13.15								
20 QPSK 100	0	12.06	12.11	12.16								
20 QPSK 100	50	12.06	12.11	12.16								
20 QPSK 1	0	12.06	12.11	12.16			17.5	5				
20 QPSK 1	48	12.04	12.10	12.12								
20 QPSK 1	96	12.04	12.10	12.12								
20 QPSK 50	0	11.05	11.10	11.15								
20 QPSK 50	50	11.05	11.10	11.15								
20 QPSK 100	0	10.06	10.11	10.16								
20 QPSK 100	50	10.06	10.11	10.16								
20 QPSK 1	0	10.06	10.11	10.16			17.5	5				
20 QPSK 1	48	10.04	10.10	10.12								
20 QPSK 1	96	10.04	10.10	10.12								
20 QPSK 50	0	9.05	9.10	9.15								
20 QPSK 50	50	9.05	9.10	9.15								
20 QPSK 100	0	8.06	8.11	8.16								
20 QPSK 100	50	8.06	8.11	8.16								
20 QPSK 1	0	8.06	8.11	8.16			17.5	5				
20 QPSK 1	48	8.04	8.10	8.12								
20 QPSK 1	96	8.04	8.10	8.12								
20 QPSK 50	0	7.05	7.10	7.15								
20 QPSK 50	50	7.05	7.10	7.15								
20 QPSK 100	0	6.06	6.11	6.16								
20 QPSK 100	50	6.06	6.11	6.16								
20 QPSK 1	0	6.06	6.11	6.16			17.5	5				
20 QPSK 1	48	6.04	6.10	6.12								
20 QPSK 1	96	6.04	6.10	6.12								
20 QPSK 50	0	5.05	5.10	5.15								
20 QPSK 50	50	5.05	5.10	5.15								
20 QPSK 100	0	4.06	4.11	4.16								
20 QPSK 100	50	4.06	4.11	4.16								
20 QPSK 1	0	4.06	4.11	4.16			17.5	5				
20 QPSK 1	48	4.04	4.10	4.12								
20 QPSK 1	96	4.04	4.10	4.12								
20 QPSK 50	0	3.05	3.10	3.15								
20 QPSK 50	50	3.05	3.10	3.15								
20 QPSK 100	0	2.06	2.11	2.16								
20 QPSK 100	50	2.06	2.11	2.16								
20 QPSK 1	0	2.06	2.11	2.16			22.5	0				
20 QPSK 1	48	2.10	2.03	2.08								
20 QPSK 1	96	2.11	2.02	2.07								
20 QPSK 50	0	20.16	20.22	20.18			21.5	1				
20 QPSK 50	50	20.16	20.22	20.18								
20 QPSK 100	0	20.05	20.10	20.14								
20 QPSK 100	50	20.04	20.10	20.12								
20 QPSK 1	48	20.04	20.10	20.12			21.5	1				
20 QPSK 1	96	20.02	20.15	20.18								
20 QPSK 50	0	19.07	19.10	19.15			20.5	2				
20 QPSK 50	50	19.07	19.10	19.15								
20 QPSK 100	0	18.07	18.10	18.15								
20 QPSK 100	50	18.07	18.10	18.15								
20 QPSK 1	0	18.07	18.10	18.15			20.5	2				
20 QPSK 1	48	18.00	18.02	18.04								
20 QPSK 1	96	18.00	18.02	18.04								
20 QPSK 50	0	18.01	17.99	18.01								
20 QPSK 50	50	17.91	17.97	17.92			19.5	3				
20 QPSK 100	0	17.91	17.97	17.92								
20 QPSK 100	50	17.89	17.99	17.94								
20 QPSK 1	0	16.05	16.10	16.15			17.5	5				
20 QPSK 1	48	16.07	16.09	16.10								
20 QPSK 1	96	16.04	16.03	16.03								
20 QPSK 50	0	15.04	15.08	15.12								
20 QPSK 50	50	15.04	15.08	15.12								
20 QPSK 100	0	14.05	14.10	14.15								
20 QPSK 100	50	14.05	14.10	14.15								
20 QPSK 1	0	14.05	14.10	14.15			17.5	5				
20 QPSK 1	48	14.03	14.09	14.12								
20 QPSK 1	96	14.03	14.09	14.12								
20 QPSK 50	0	13.05	13.09	13.15								
20 QPSK 50	50	13.05	13.09	13.15								
20 QPSK 100	0	12.06	12.11	12.16								
20 QPSK 100	50	12.06	12.11	12.16								
20 QPSK 1	0	12.06	12.11	12.16			17.5	5				
20 QPSK 1	48	12.04	12.10	12.12								
20 QPSK 1	96	12.04	12.10	12.12								
20 QPSK 50	0	11.05	11.10	11.15								
20 QPSK 50	50	11.05	11.10	11.15								
20 QPSK 100	0	10.06	10.11	10.16								
20 QPSK 100	50	10.06	10.11	10.16								
20 QPSK 1	0	10.06	10.11	10.16			17.5	5				
20 QPSK 1	48	10.04	10.10	10.12								
20 QPSK 1	96	10.04	10.10	10.12								
20 QPSK 50	0	9.05	9.10	9.15								
20 QPSK 50	50	9.05	9.10	9.15								
20 QPSK 100	0	8.06	8.11	8.16								
20 QPSK 100	50	8.06	8.11	8.16								
20 QPSK 1	0	8.06	8.11	8.16			17.5	5				
20 QPSK 1	48	8.04	8.10	8.12								
20 QPSK 1	96	8.04	8.10	8.12								
20 QPSK 50	0	7.05	7.10	7.15								
20 QPSK 50	50	7.05	7.10	7.15								
20 QPSK 100	0	6.06	6.11	6.16								
20 QPSK 100	50	6.06	6.11	6.16								
20 QPSK 1	0	6.06	6.11	6.16			17.5	5				
20 QPSK 1	48	6.04	6.10	6.12								
20 QPSK 1	96	6.04	6.10	6.12								
20 QPSK 50	0	5.05	5.10	5.15								
20 QPSK 50	50	5.05	5.10	5.15								
20 QPSK 100	0	4.06	4.11	4.16								
20 QPSK 100	50	4.06	4.11	4.16								
20 QPSK 1	0	4.06	4.11	4.16			17.5	5				
20 QPSK 1	48	4.04	4.10	4.12								
20 QPSK 1	96	4.04	4.10	4.12								
20 QPSK 50	0	3.05	3.10	3.15								
20 QPSK 50	50	3.05	3.10	3.15								
20 QPSK 100	0	2.06	2.11	2.16								
20 QPSK 100	50	2.06	2.11	2.16								
20 QPSK 1	0	2.06	2.11	2.16			22.5	0				
20 QPSK 1	48	2.10	2.03	2.08								
20 QPSK 1	96	2.11	2.02	2.07								
20 QPSK 50	0	20.16	20.22	20.18			21.5	1				

Band 43(FCC)_Ant 1(DSI 5)												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Time-use (min)	MPR (dB)				
Channel												
Frequency (MHz)				43600	44000	44400						
20 QPSK	1	0	21.51	21.53	21.57		23	0				
20 QPSK	1	48	21.55	21.61	21.67							
20 QPSK	1	96	21.59	21.65	21.71							
20 QPSK	50	0	20.55	20.57	20.59		22	1				
20 QPSK	50	50	20.55	20.57	20.59							
20 QPSK	100	0	20.58	20.61	20.60							
20 QPSK	100	50	20.58	20.61	20.60							
20 QPSK	1	48	20.53	20.56	20.58		22	1				
20 QPSK	1	96	20.53	20.56	20.58							
20 QPSK	50	0	20.56	20.57	20.58		21	2				
20 QPSK	50	50	20.56	20.57	20.58							
20 QPSK	100	0	19.58	19.60	19.60		20	3				
20 QPSK	100	50	19.58	19.60	19.60							
20 QPSK	1	48	19.57	19.61	19.64		21	2				
20 QPSK	1	96	19.57	19.61	19.64							
20 QPSK	50	0	18.52	18.56	18.57		20	3				
20 QPSK	50	50	18.52	18.56	18.57							
20 QPSK	100	0	17.52	17.56	17.57		18	5				
20 QPSK	100	50	17.52	17.56	17.57							
20 QPSK	1	48	16.51	16.61	16.73		18	5				
20 QPSK	1	96	16.51	16.61	16.73							
20 QPSK	50	0	15.52	15.56	15.57							
20 QPSK	50	50	15.52	15.56	15.57							
20 QPSK	100	0	14.52	14.56	14.57							
20 QPSK	100	50	14.52	14.56	14.57							
20 QPSK	1	48	13.52	13.56	13.57							
20 QPSK	1	96	13.52	13.56	13.57							
20 QPSK	50	0	12.52	12.56	12.57							
20 QPSK	50	50	12.52	12.56	12.57							
20 QPSK	100	0	11.52	11.56	11.57							
20 QPSK	100	50	11.52	11.56	11.57							
20 QPSK	1	48	10.52	10.56	10.57							
20 QPSK	1	96	10.52	10.56	10.57							
20 QPSK	50	0	9.52	9.56	9.57							
20 QPSK	50	50	9.52	9.56	9.57							
20 QPSK	100	0	8.52	8.56	8.57							
20 QPSK	100	50	8.52	8.56	8.57							
20 QPSK	1	48	7.52	7.56	7.57							
20 QPSK	1	96	7.52	7.56	7.57							
20 QPSK	50	0	6.52	6.56	6.57							
20 QPSK	50	50	6.52	6.56	6.57							
20 QPSK	100	0	5.52	5.56	5.57							
20 QPSK	100	50	5.52	5.56	5.57							
20 QPSK	1	48	4.52	4.56	4.57							
20 QPSK	1	96	4.52	4.56	4.57							
20 QPSK	50	0	3.52	3.56	3.57							
20 QPSK	50	50	3.52	3.56	3.57							
20 QPSK	100	0	2.52	2.56	2.57							
20 QPSK	100	50	2.52	2.56	2.57							
20 QPSK	1	48	1.52	1.56	1.57							
20 QPSK	1	96	1.52	1.56	1.57							
20 QPSK	50	0	0.52	0.56	0.57							
20 QPSK	50	50	0.52	0.56	0.57							
20 QPSK	100	0	-0.52	-0.56	-0.57							
20 QPSK	100	50	-0.52	-0.56	-0.57							
20 QPSK	1	48	-1.52	-1.56	-1.57							
20 QPSK	1	96	-1.52	-1.56	-1.57							
20 QPSK	50	0	-2.52	-2.56	-2.57							
20 QPSK	50	50	-2.52	-2.56	-2.57							
20 QPSK	100	0	-3.52	-3.56	-3.57							
20 QPSK	100	50	-3.52	-3.56	-3.57							
20 QPSK	1	48	-4.52	-4.56	-4.57							
20 QPSK	1	96	-4.52	-4.56	-4.57							
20 QPSK	50	0	-5.52	-5.56	-5.57							
20 QPSK	50	50	-5.52	-5.56	-5.57							
20 QPSK	100	0	-6.52	-6.56	-6.57							
20 QPSK	100	50	-6.52	-6.56	-6.57							
20 QPSK	1	48	-7.52	-7.56	-7.57							
20 QPSK	1	96	-7.52	-7.56	-7.57							
20 QPSK	50	0	-8.52	-8.56	-8.57							
20 QPSK	50	50	-8.52	-8.56	-8.57							
20 QPSK	100	0	-9.52	-9.56	-9.57							
20 QPSK	100	50	-9.52	-9.56	-9.57							
20 QPSK	1	48	-10.52	-10.56	-10.57							
20 QPSK	1	96	-10.52	-10.56	-10.57							
20 QPSK	50	0	-11.52	-11.56	-11.57							
20 QPSK	50	50	-11.52	-11.56	-11.57							
20 QPSK	100	0	-12.52	-12.56	-12.57							
20 QPSK	100	50	-12.52	-12.56	-12.57							
20 QPSK	1	48	-13.52	-13.56	-13.57							
20 QPSK	1	96	-13.52	-13.56	-13.57							
20 QPSK	50	0	-14.52	-14.56	-14.57							
20 QPSK	50	50	-14.52	-14.56	-14.57							
20 QPSK	100	0	-15.52	-15.56	-15.57							
20 QPSK	100	50	-15.52	-15.56	-15.57							
20 QPSK	1	48	-16.52	-16.56	-16.57							
20 QPSK	1	96	-16.52	-16.56	-16.57							
20 QPSK	50	0	-17.52	-17.56	-17.57							
20 QPSK	50	50	-17.52	-17.56	-17.57							
20 QPSK	100	0	-18.52	-18.56	-18.57							
20 QPSK	100	50	-18.52	-18.56	-18.57							
20 QPSK	1	48	-19.52	-19.56	-19.57							
20 QPSK	1	96	-19.52	-19.56	-19.57							
20 QPSK	50	0	-20.52	-20.56	-20.57							
20 QPSK	50	50	-20.52	-20.56	-20.57							
20 QPSK	100	0	-21.52	-21.56	-21.57							
20 QPSK	100	50	-21.52	-21.56	-21.57							
20 QPSK	1	48	-22.52	-22.56	-22.57							
20 QPSK	1	96	-22.52	-22.56	-22.57							
20 QPSK	50	0	-23.52	-23.56	-23.57							
20 QPSK	50	50	-23.52	-23.56	-23.57							
20 QPSK	100	0	-24.52	-24.56	-24.57							
20 QPSK	100	50	-24.52	-24.56	-24.57							
20 QPSK	1	48	-25.52	-25.56	-25.57							
20 QPSK	1	96	-25.52	-25.56	-25.57							
20 QPSK	50	0	-26.52	-26.56	-26.57							
20 QPSK	50	50	-26.52	-26.56	-26.57							
20 QPSK	100	0	-27.52	-27.56	-27.57							
20 QPSK	100	50	-27.52	-27.56	-27.57							
20 QPSK	1	48	-28.52	-28.56	-28.57							
20 QPSK	1	96	-28.52	-28.56	-28.57							
20 QPSK	50	0	-29.52	-29.56	-29.57							
20 QPSK	50	50	-29.52	-29.56	-29.57							
20 QPSK	100	0	-30.52	-30.56	-30.57							
20 QPSK	100	50	-30.52	-30.56	-30.57							
20 QPSK	1	48	-31.52	-31.56	-31.57							
20 QPSK	1	96	-31.52	-31.56	-31.57							
20 QPSK	50	0	-32.52	-32.56	-32.57							
20 QPSK	50	50	-32.52	-32.56	-32.57							
20 QPSK	100	0	-33.52	-33.56	-33.57							
20 QPSK	100	50	-33.52	-33.56	-33.57							
20 QPSK	1	48	-34.52	-34.56	-34.57							
20 QPSK	1	96	-34.52	-34.56	-34.57							
20 QPSK	50	0	-35.52	-35.56	-35.57							
20 QPSK	50	50	-35.52	-35.56	-35.57							
20 QPSK	100	0	-36.52	-36.56	-36.57							
20 QPSK	100	50	-36.52	-36.56	-36.57							
20 QPSK	1	48	-37.52	-37.56	-37.57							
20 QPSK	1	96	-37.52	-37.56	-37.57							
20 QPSK	50	0	-38.52	-38.56	-38.57							
20 QPSK	50	50	-38.52	-38.56	-38.57							
20 QPSK	100	0	-39.52	-39.56	-39.57							
20 QPSK	100	50	-39.52	-39.56	-39.57							
20 QPSK	1	48	-40.52	-40.56	-40.57							
20 QPSK	1	96	-40.52	-40.56	-40.57							
20 QPSK	50	0	-41.52	-41.56	-41.57							
20 QPSK	50	50	-41.52	-41.56	-41.57							
20 QPSK	100	0	-42.52	-42.56	-42.57							
20 QPSK	100	50	-42.52	-42.56	-42.57							
20 QPSK	1	48	-43.52	-43.56	-43.57							
20 QPSK	1	96	-43.52	-43.56	-43.57							
20 QPSK	50	0	-44.52	-44.56	-44.57							
20 QPSK	50	50	-44.52	-44.56	-44.57							
20 QPSK	100	0	-45.52	-45.56	-45.57							
20 QPSK	100	50	-45.52	-45.56	-45.57							
20 QPSK	1	48	-46.52	-46.56	-46.57							
20 QPSK	1	96	-46.52	-46.56	-46.57							
20 QPSK	50	0	-47.52	-47.56	-47.57							
20 QPSK	50	50	-47.52	-47.56	-47.57							
20 QPSK	100	0	-48.52	-48.56	-48.57							

Reduced Power Mode for Sensor On Simultaneous

Band		WCDMA E_Ant 9(DSI 8/8/9/12)			WCDMA E_Ant 9(DSI 8/8/9/12)		WCDMA E_Ant 9(DSI 8/8/9/12)		WCDMA E_Ant 9(DSI 8/8/9/12)	
TX Channel		5262	9400	9938	Tune-up Limit (dBm)	1312	1413	1513	Tune-up Limit (dBm)	
Rx Channel		9962	9900	9938						
Frequency (MHz)		1652.4	1680	1697.6		1712.4	1732.6	1752.6		
3GPP Rel 9e	RMC 18.2Kbps	22.39	22.49	22.43	23.00	22.07	22.11	22.07	22.50	
3GPP Rel 6	HSDPA Subtest-1	22.39	22.34	22.19	23.00	21.09	21.08	20.97	21.50	
3GPP Rel 6	HSDPA Subtest-2	22.41	22.34	22.16	23.00	21.08	21.08	20.93	21.50	
3GPP Rel 6	HSDPA Subtest-3	21.92	21.84	21.68	22.50	20.57	20.59	20.49	21.00	
3GPP Rel 6	HSDPA Subtest-4	21.93	21.84	21.68	22.50	20.59	20.48	20.47	21.00	
3GPP Rel 6	DC-HSDPA Subtest-1	22.37	22.26	22.13	23.00	21.07	21.03	20.94	21.50	
3GPP Rel 6	DC-HSDPA Subtest-2	22.28	22.21	22.09	23.00	21.03	20.95	20.90	21.50	
3GPP Rel 6	DC-HSDPA Subtest-3	21.79	21.73	21.53	22.50	20.54	20.45	20.40	21.00	
3GPP Rel 6	DC-HSDPA Subtest-4	21.87	21.79	21.59	22.50	20.55	20.38	20.42	21.00	
3GPP Rel 6	HSUPA Subtest-1	21.97	22.10	22.11	23.00	21.03	21.08	20.99	21.50	
3GPP Rel 6	HSUPA Subtest-2	19.96	20.06	20.10	21.00	19.04	19.09	18.96	19.50	
3GPP Rel 6	HSUPA Subtest-3	20.93	21.05	21.08	22.00	20.01	20.05	20.03	20.50	
3GPP Rel 6	HSUPA Subtest-4	19.88	20.07	20.05	21.00	19.04	19.09	18.96	19.50	
3GPP Rel 6	HSUPA Subtest-5	21.90	22.10	22.10	23.00	21.10	21.10	21.10	21.50	
3GPP Rel 7	HSPA+ (12QAM) Subtest-1	19.99	20.00	20.00	20.50	18.79	18.81	18.84	19.00	

Band		WCDMA V_Ant 9(DSI 8/8/9/12)			WCDMA V_Ant 9(DSI 8/8/9/12)		WCDMA V_Ant 9(DSI 8/8/9/12)		WCDMA V_Ant 9(DSI 8/8/9/12)	
TX Channel		4132	4182	4233	Tune-up Limit (dBm)	1312	1413	1513	Tune-up Limit (dBm)	
Rx Channel		4357	4407	4458						
Frequency (MHz)		825.4	835.4	845.3						
3GPP Rel 9e	RMC 18.2Kbps	23.37	23.40	23.39	24.00					
3GPP Rel 6	HSDPA Subtest-1	22.45	22.47	22.41	23.00					
3GPP Rel 6	HSDPA Subtest-2	22.49	22.50	22.46	23.00					
3GPP Rel 6	HSDPA Subtest-3	21.97	21.98	21.93	22.50					
3GPP Rel 6	HSDPA Subtest-4	21.96	21.95	21.92	22.50					
3GPP Rel 6	DC-HSDPA Subtest-1	22.43	22.42	22.38	23.00					
3GPP Rel 6	DC-HSDPA Subtest-2	22.43	22.44	22.41	23.00					
3GPP Rel 6	DC-HSDPA Subtest-3	21.91	21.93	21.88	22.50					
3GPP Rel 6	DC-HSDPA Subtest-4	21.95	21.94	21.85	22.50					
3GPP Rel 6	HSUPA Subtest-1	22.37	22.31	22.32	23.00					
3GPP Rel 6	HSUPA Subtest-2	20.36	20.33	20.33	21.00					
3GPP Rel 6	HSUPA Subtest-3	21.34	21.35	21.32	22.00					
3GPP Rel 6	HSUPA Subtest-4	20.34	20.33	20.34	21.00					
3GPP Rel 6	HSUPA Subtest-5	22.40	22.30	22.30	23.00					
3GPP Rel 7	HSPA+ (12QAM) Subtest-1	20.21	20.18	20.15	20.50					

Band 2_Ant 0 (DSI 6/8/9/12)													Band 2_Ant 1 (DSI 7/8/9/10/11/12)													Band 4_Ant 0 (DSI 6/8/9/12)													Band 4_Ant 1 (DSI 7/8/9/10/11/12)																
BW (MHz)	Modulation	RS	Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up (dB)	MPE (dB)						BW (MHz)	Modulation	RS	Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up (dB)	MPE (dB)						BW (MHz)	Modulation	RS	Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up (dB)	MPE (dB)						BW (MHz)	Modulation	RS	Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up (dB)	MPE (dB)					
Channel														Channel														Channel														Channel													
Frequency (MHz)														Frequency (MHz)														Frequency (MHz)														Frequency (MHz)													
20	QPSK	1	0	22.20	22.20	22.20								20	QPSK	1	0	21.50	21.50	21.50	22.5	0						20	QPSK	1	0	21.75	21.75	21.75	22.5	0						20	QPSK	1	0	22.00	22.00	22.00	23	0					
20	QPSK	1	49	22.22	22.22	22.22	23	0						20	QPSK	1	49	21.49	21.49	21.49								20	QPSK	1	49	21.70	21.81	21.89	22.5	0						20	QPSK	1	49	22.00	22.03	21.98	23	0					
20	QPSK	1	23	22.12	22.27	22.16								20	QPSK	1	23	21.49	21.58	21.48								20	QPSK	1	23	21.54	21.56	21.51								20	QPSK	1	23	21.54	21.54	21.54							
20	QPSK	50	0	21.17	21.47	21.47								20	QPSK	50	0	20.90	20.90	20.90								20	QPSK	50	0	20.90	20.90	20.90								20	QPSK	50	0	21.40	21.40	21.40							
20	QPSK	25	20	21.19	21.20	21.14	22	1						20	QPSK	25	20	20.92	20.92	20.90	21.5	1						20	QPSK	25	20	20.92	20.92	20.90								20	QPSK	25	20	21.40	21.40	21.39							
20	QPSK	100	0	21.26	21.38	21.34								20	QPSK	100	0	20.93	20.98	20.91								20	QPSK	100	0	20.92	20.98	20.91								20	QPSK	100	0	21.41	21.42	21.40							
20	QPSK	1	0	21.60	21.66	21.66								20	QPSK	1	0	21.03	21.03	21.03	21.5	1						20	QPSK	1	0	21.21	21.18	21.07								20	QPSK	1	0	21.42	21.38	21.38							
20	QPSK	1	24	21.51	21.60	21.58	22	1						20	QPSK	1	24	20.98	20.98	20.98								20	QPSK	1	24	21.08	21.13	21.04								20	QPSK	1	24	21.38	21.37	21.34							
20	QPSK	1	99	21.44	21.59	21.58								20	QPSK	1	99	20.92	20.91	20.91								20	QPSK	1	99	20.98	20.89	20.88								20	QPSK	1	99	21.40	21.38	21.36							
20	QPSK	50	0	20.17	20.27	20.32								20	QPSK	50	0	19.90	19.92	19.89								20	QPSK	50	0	19.49	19.51	19.34								20	QPSK	50	0	20.41	20.43	20.40							
20	QPSK	50	24	20.13	20.16	20.16	21	2						20	QPSK	50	24	19.86	19.87	19.86								20	QPSK	50	24	19.86	19.96	19.74								20	QPSK	50	24	20.41	20.42	20.39							
20	QPSK	100	0	20.27	20.32	20.37								20	QPSK	100	0	19.88	19.85	19.85								20	QPSK	100	0	19.75	19.78	19.77								20	QPSK	100	0	20.40	20.40	20.37							
20	QPSK	1	49	21.52	21.59	21.59	22	1						20	QPSK	1	49	20.99	20.97	20.98								20	QPSK	1	49	20.99	20.97	20.98								20	QPSK	1	49	20.99	20.97	20.98							
20	QPSK	50	0	21.32	21.32	21.30								20	QPSK	50	0	20.94	19.97	19.93								20	QPSK	50	0	20.72	20.72	20.74								20	QPSK	50	0	20.37	20.37	20.36							
20	QPSK	50	24	21.32	21.32	21.30								20	QPSK	50	24	20.94	19.97	19.93								20	QPSK	50	24	20.72	20.72	20.74								20	QPSK	50	24	20.37	20.37	20.36							
20	QPSK	100	0	21.40	21.50	21.41	22	1						20	QPSK	100	0	20.99	20.98	20.98								20	QPSK	100	0	20.99	20.98	20.98								20	QPSK	100	0	20.99	20.98	20.98							
20	QPSK	1	49	21.52	21.59	21.59	22	1						20	QPSK	1	49	21.03	21.03	21.03								20	QPSK	1	49	21.03	21.03	21.03								20	QPSK	1	49	21.03	21.03	21.03							
20	QPSK	50	0	21.32	21.32	21.30								20	QPSK	50	0	20.94	19.97	19.93								20	QPSK	50	0	20.72	20.72	20.74								20	QPSK	50	0	20.37	20.37	20.36							
20	QPSK	50	24	21.32	21.32	21.30								20	QPSK	50	24	20.94	19.97	19.93								20	QPSK	50	24	20.72	20.72	20.74								20	QPSK	50	24	20.37	20.37	20.36							
20	QPSK	100	0	21.40	21.50	21.41	22	1						20	QPSK	100	0	20.99	20.98	20.98								20	QPSK	100	0	20.99	20.98	20.98								20	QPSK	100	0	20.99	20.98	20.98							
20	QPSK	1	49	21.52	21.59	21.59	22	1						20	QPSK	1	49	21.03	21.03	21.03								20	QPSK	1	49	21.03	21.03	21.03								20	QPSK	1	49	21.03	21.03	21.03							
20	QPSK	50	0	21.32	21.32	21.30								20	QPSK	50	0	20.94	19.97	19.93								20	QPSK	50	0	20.72	20.72	20.74								20	QPSK	50	0	20.37	20.37	20.36							
20	QPSK	50	24	21.32	21.32	21.30								20	QPSK	50	24	20.94	19.97	19.93								20	QPSK	50	24	20.72	20.72	20.74								20	QPSK	50	24	20.37	20.37	20.36							
20	QPSK	100	0	21.40	21.50	21.41	22	1						20	QPSK	100	0	20.99	20.98	20.98								20	QPSK	100	0	20.99	20.98	20.98								20	QPSK	100	0	20.99	20.98	20.98							
20	QPSK	1	49	21.52	21.59	21.59	22	1						20	QPSK	1	49	21.03	21.03	21.03								20	QPSK	1	49	21.03	21.03	21.03								20	QPSK	1	49	21.03	21.03	21.03							
20	QPSK	50	0	21.32	21.32	21.30								20	QPSK	50	0	20.94	19.97	19.93								20	QPSK	50	0	20.72	20.72	20.74								20	QPSK	50	0	20.37	20.37	20.36							
20	QPSK	50	24	21.32	21.32	21.30								20	QPSK	50	24	20.94	19.97	19.93								20	QPSK	50	24	20.72	20.72	20.74								20	QPSK	50	24	20.37	20.37	20.36							
20	QPSK	100	0	21.40	21.50	21.41	22	1						20	QPSK	100	0	20.99	20.98	20.98								20	QPSK	100	0	20.99	20.98	20.98								20	QPSK	100	0	20.99	20.98	20.98							
20	QPSK	1	49	21.52	21.59	21.59	22	1						20	QPSK	1	49	21.03	21.03	21.03								20	QPSK	1	49	21.03	21.03	21.03								20	QPSK	1	49	21.03	21.03	21.03							
20	QPSK	50	0	21.32	21.32	21.30								20	QPSK	50	0	20.94	19.97	19.93								20	QPSK	50	0	20.72	20.72	20.74								20	QPSK	50	0	20.37	20.37	20.36							
20	QPSK	50	24	21.32	21.32	21.30								20	QPSK	50	24	20.94	19.97	19.93								20	QPSK	50	24	20.72	20.72	20.74								20	QPSK	50	24	20.37	20.37	20.36							
20	QPSK	100	0	21.40	21.50	21.41	22	1						20	QPSK	100	0	20.99	20.98	20.98								20	QPSK	100	0	20.99	20.98	20.98								20	QPSK	100	0	20.99	20.98	20.98							
20	QPSK	1	49	21.52	21.59	21.59	22	1						20	QPSK	1	49	21.03	21.03	21.03								20	QPSK	1	49	21.03	21.03	21.03								20	QPSK	1	49	21.03	21.03	21.03							
20	QPSK	50	0	21.32	21.32	21.30								20	QPSK	50	0	20.94	19.97	19.93								20	QPSK	50	0	20.72	20.72	20.74								20	QPSK	50	0	20.37	20.37	20.36							
20	QPSK	50	24	21.32	21.32	21.30								20	QPSK	50	24	20.94	19.97	19.93								20	QPSK	50	24	20.72	20.72	20.74								20	QPSK	50	24	20.37	20.37	20.36							
20	QPSK	100	0	21.40	21.50	21.41	22	1						20	QPSK	100	0	20.99	20.98	20.98								20	QPSK	100	0	20.99	20.98	20.98								20	QPSK	100	0	20.99	20.98	20.98							
20	QPSK	1	49	21.52	21.59	21.59	22	1						20	QPSK	1	49	21.03	21.03	21.03								20	QPSK	1	49	21.03	21.03	21.03								20	QPSK	1	49	21.03	21.03	21.03							
20	QPSK	50	0	21.32	21.32	21.30								20	QPSK	50	0	20.94	19.97	19.93								20	QPSK	50	0	20.72	20.72	20.74								20	QPSK	50	0	20.37	20.37	20.36							
20	QPSK	50	24	21.32	21.32	21.30								20	QPSK	50	24	20.94	19.97	19.93								20	QPSK	50	24	20.72	20.72	20.74								20	QPSK	50	24	20.37	20.37	20.36							
20	QPSK	100	0	21.																																																			

Band 5_Ant 0(DSI 6/8/9/12)												
BW (MHz)	Modulation	RS Rate	RS Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up (dB)	MPE (dB)				
Channel												
Frequency (MHz)				825	836.5	844						
10	QPSK	1	0	23.33	23.34	23.34	24	0				
10	QPSK	1	25	23.33	23.33	23.30						
10	QPSK	1	49	23.29	23.35	23.32						
10	QPSK	25	0	22.31	22.30	22.31	23	1				
10	QPSK	25	25	22.29	22.35	22.31						
10	QPSK	25	49	22.33	22.35	22.31	23	1				
10	QPSK	50	0	22.28	22.37	22.32						
10	QPSK	50	25	22.28	22.37	22.32						
10	QPSK	50	49	22.31	22.39	21.38	23	1				
10	QPSK	1	25	21.38	21.42	21.40						
10	QPSK	25	12	21.37	21.40	21.38	22	2				
10	QPSK	25	25	21.31	21.37	21.38						
10	QPSK	25	49	21.33	21.41	21.38						
10	QPSK	1	0	21.32	21.41	21.39						
10	QPSK	1	25	21.37	21.39	21.38	22	2				
10	QPSK	1	49	21.34	21.37	21.34						
10	QPSK	25	0	20.38	20.43	20.40						
10	QPSK	25	12	20.34	20.39	20.39	21	3				
10	QPSK	25	25	20.31	20.42	20.39						
10	QPSK	50	0	20.32	20.42	20.33						
10	QPSK	50	0	20.28	20.35	20.39						
10	QPSK	50	25	20.33	20.37	20.39						
10	QPSK	50	49	20.35	20.37	20.39	19	5				
10	QPSK	1	49	18.33	18.37	18.38						
10	QPSK	1	49	18.33	18.37	18.38						
10	QPSK	12	0	18.38	18.42	18.40						
10	QPSK	25	12	18.37	18.37	18.33						
10	QPSK	25	25	18.37	18.41	18.33	19	5				
10	QPSK	25	49	18.31	18.35	18.38						
10	QPSK	50	0	18.31	18.35	18.38						
Channel												
Frequency (MHz)				20425	20525	20625	Turn-up (dB)	MPE (dB)				
5	QPSK	1	0	23.33	23.34	23.34						
5	QPSK	1	12	23.38	23.34	23.31	24	0				
5	QPSK	1	24	23.39	23.32	23.38						
5	QPSK	12	0	22.30	22.30	22.33						
5	QPSK	12	7	22.29	22.32	22.34	23	1				
5	QPSK	12	14	22.30	22.30	22.33						
5	QPSK	25	0	22.27	22.33	22.31						
5	QPSK	25	7	22.28	22.30	22.28						
5	QPSK	25	14	22.27	22.32	22.28	23	1				
5	QPSK	1	24	23.24	23.32	23.39						
5	QPSK	12	0	21.34	21.38	21.38						
5	QPSK	12	7	21.35	21.37	21.34	22	2				
5	QPSK	12	14	21.36	21.34	21.38						
5	QPSK	25	0	20.31	20.36	20.31						
5	QPSK	25	7	20.22	20.36	20.31	21	3				
5	QPSK	25	14	20.25	20.32	20.35						
5	QPSK	1	24	20.26	20.32	20.32						
5	QPSK	12	0	19.23	19.35	19.35	19	5				
5	QPSK	12	7	19.24	19.35	19.37						
5	QPSK	1	24	18.24	18.22	18.22						
5	QPSK	12	0	18.33	18.39	18.27						
5	QPSK	12	7	18.32	18.38	18.29	19	5				
5	QPSK	12	14	18.31	18.29	18.30						
5	QPSK	25	0	18.27	18.27	18.25						
Channel												
Frequency (MHz)				825.5	836.5	847.5	Turn-up (dB)	MPE (dB)				
3	QPSK	1	0	23.33	23.37	23.34	24	0				
3	QPSK	1	14	23.32	23.39	23.30						
3	QPSK	8	0	22.29	22.33	22.32						
3	QPSK	8	7	22.28	22.31	22.34	23	1				
3	QPSK	8	14	22.22	22.33	22.34						
3	QPSK	15	0	22.26	22.32	22.27						
3	QPSK	15	7	22.25	22.30	22.27						
3	QPSK	15	14	22.28	22.32	22.28	23	1				
3	QPSK	8	0	21.20	21.39	21.33						
3	QPSK	8	7	21.21	21.31	21.36						
3	QPSK	8	14	21.21	21.31	21.36	22	2				
3	QPSK	15	0	21.27	21.35	21.35						
3	QPSK	15	7	21.22	21.35	21.30						
3	QPSK	15	14	21.23	21.33	21.36	22	2				
3	QPSK	1	14	21.20	21.29	21.29						
3	QPSK	8	0	20.34	20.40	20.39						
3	QPSK	8	7	20.34	20.39	20.34	21	3				
3	QPSK	8	14	20.32	20.37	20.33						
3	QPSK	15	0	20.21	20.32	20.27						
3	QPSK	15	7	19.23	19.34	19.28						
3	QPSK	15	14	19.29	19.34	19.35	19	5				
3	QPSK	8	0	18.32	18.37	18.30						
3	QPSK	8	7	18.32	18.37	18.30	19	5				
3	QPSK	8	14	18.32	18.35	18.35						
3	QPSK	15	0	18.29	18.25	18.24						
Channel												
Frequency (MHz)				20407	20525	20643	Turn-up (dB)	MPE (dB)				
1.4	QPSK	1	0	23.33	23.39	23.36	24	0				
1.4	QPSK	1	3	23.32	23.38	23.31						
1.4	QPSK	1	6	23.34	23.32	23.36						
1.4	QPSK	3	0	22.30	22.30	22.32						
1.4	QPSK	3	1	22.26	22.37	22.34	23	1				
1.4	QPSK	3	3	22.30	22.31	22.31						
1.4	QPSK	6	0	22.30	22.37	22.35	23	1				
1.4	QPSK	6	1	22.27	22.31	22.28						
1.4	QPSK	6	3	22.28	22.30	22.29						
1.4	QPSK	1	6	22.30	22.38	22.31	23	1				
1.4	QPSK	3	0	22.25	22.28	22.25						
1.4	QPSK	3	1	22.25	22.33	22.29						
1.4	QPSK	3	3	22.29	22.37	22.29	22	2				
1.4	QPSK	6	0	21.26	21.38	21.32						
1.4	QPSK	6	1	21.26	21.37	21.39						
1.4	QPSK	6	3	21.27	21.34	21.38	22	2				
1.4	QPSK	3	0	21.23	21.35	21.34						
1.4	QPSK	3	0	21.20	21.32	21.27						
1.4	QPSK	6	1	21.26	21.26	21.26						
1.4	QPSK	6	1	21.27	21.27	21.27						
1.4	QPSK	6	3	21.29	21.40	21.34	21	3				
1.4	QPSK	1	6	19.23	19.37	19.30						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6	19.23	19.35	19.35						
1.4	QPSK	1	6									

Band 13_Ant 0(DSI 6/8/9/12)														
BW [MHz]	Modulation	RS Rate	RS Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up (dB)	APRS (dB)						
25290														
Frequency (MHz)														
10	QPSK	1	0	22.40	22.45	22.50	24	0						
10	QPSK	1	25	22.43	22.48	22.53								
10	QPSK	1	49	22.46	22.51	22.56								
10	QPSK	25	0	22.48	22.53	22.58								
10	QPSK	25	12	22.51	22.56	22.61	23	1						
10	QPSK	25	25	22.54	22.59	22.64								
10	QPSK	25	50	22.57	22.62	22.67								
10	QPSK	50	0	22.60	22.65	22.70								
10	16QAM	1	25	21.38	21.43	21.48	23	1						
10	16QAM	1	49	21.42	21.47	21.52								
10	16QAM	25	0	21.45	21.50	21.55								
10	16QAM	25	12	21.49	21.54	21.59								
10	16QAM	25	25	21.53	21.58	21.63	22	2						
10	16QAM	25	50	21.57	21.62	21.67								
10	16QAM	25	75	21.61	21.66	21.71								
10	16QAM	50	0	21.64	21.69	21.74								
10	16QAM	1	49	21.67	21.72	21.77	22	2						
10	16QAM	1	25	21.71	21.76	21.81								
10	16QAM	25	0	21.74	21.79	21.84								
10	16QAM	25	12	21.78	21.83	21.88								
10	16QAM	25	25	21.82	21.87	21.92	21	3						
10	16QAM	25	50	21.86	21.91	21.96								
10	16QAM	25	75	21.90	21.95	22.00								
10	16QAM	50	0	21.94	21.99	22.04								
10	256QAM	1	25	18.42	18.47	18.52	19	5						
10	256QAM	1	49	18.46	18.51	18.56								
10	256QAM	25	0	18.49	18.54	18.59								
10	256QAM	25	12	18.53	18.58	18.63								
10	256QAM	25	25	18.57	18.62	18.67	19	5						
10	256QAM	25	50	18.61	18.66	18.71								
10	256QAM	25	75	18.65	18.70	18.75								
10	256QAM	50	0	18.69	18.74	18.79								
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.44	23.50	23.43	24	0						
5	QPSK	1	12	23.37	23.39	23.41								
5	QPSK	1	24	23.37	23.41	23.38								
5	QPSK	12	0	23.44	23.47	23.49								
5	QPSK	12	7	23.35	23.31	23.32	23	1						
5	QPSK	12	13	23.37	23.37	23.34								
5	QPSK	12	19	23.39	23.39	23.36								
5	QPSK	25	0	23.38	23.40	23.42								
5	16QAM	1	0	21.38	21.38	21.38	23	1						
5	16QAM	1	9	21.39	21.39	21.38								
5	16QAM	1	24	21.38	21.39	21.39								
5	16QAM	12	0	21.42	21.42	21.38								
5	16QAM	12	7	21.33	21.33	21.38	22	2						
5	16QAM	12	13	21.29	21.29	21.31								
5	16QAM	25	0	21.35	21.36	21.37								
5	16QAM	25	0	21.36	21.36	21.34								
5	16QAM	1	12	21.33	21.34	21.31	22	2						
5	16QAM	1	24	21.32	21.32	21.26								
5	16QAM	12	0	20.42	20.41	20.43								
5	16QAM	12	7	20.34	20.31	20.28								
5	16QAM	12	13	20.36	20.32	20.27	21	3						
5	16QAM	25	0	20.41	20.39	20.29								
5	256QAM	1	0	18.34	18.34	18.39								
5	256QAM	1	9	18.28	18.28	18.26								
5	256QAM	1	24	18.38	18.37	18.37	19	5						
5	256QAM	12	0	18.40	18.41	18.31								
5	256QAM	12	7	18.27	18.28	18.38								
5	256QAM	12	13	18.30	18.34	18.34								
5	256QAM	25	0	18.31	18.30	18.40	19	5						
5	256QAM	25	0	18.31	18.30	18.40								

Band 14_Ant 4(DSI 10/11/12)										
BW [MHz]	Modulation	RS Code	RS Offset	Power Low Ch [Freq]	Power Middle Ch [Freq]	Power High Ch [Freq]	Turn-up (dB)	APRS (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.90	22.95	23.00	29.5	0		
	QPSK	1	25	22.97	23.02	23.07				
	QPSK	1	49	23.02	23.07	23.12				
	QPSK	25	0	22.98	23.03	23.08				
10	QPSK	25	25	23.05	23.10	23.15	28.5	1		
	QPSK	25	50	23.12	23.17	23.22				
	QPSK	25	75	23.19	23.24	23.29				
	QPSK	50	0	23.26	23.31	23.36				
10	16QAM	1	25	21.85	21.90	21.95	28.5	1		
	16QAM	1	49	21.92	21.97	22.02				
	16QAM	25	0	21.95	22.00	22.05				
	16QAM	25	12	21.99	22.04	22.09				
10	16QAM	25	25	22.03	22.08	22.13	27.5	2		
	16QAM	25	50	22.07	22.12	22.17				
	16QAM	25	75	22.11	22.16	22.21				
	16QAM	50	0	22.15	22.20	22.25				
10	16QAM	1	49	22.18	22.23	22.28	27.5	2		
	16QAM	1	25	22.25	22.30	22.35				
	16QAM	25	0	22.28	22.33	22.38				
	16QAM	25	12	22.32	22.37	22.42				
10	16QAM	25	25	22.36	22.41	22.46	27.5	2		
	16QAM	25	50	22.40	22.45	22.50				
	16QAM	25	75	22.44	22.49	22.54				
	16QAM	50	0	22.48	22.53	22.58				
10	16QAM	1	25	22.51	22.56	22.61	28.5	3		
	16QAM	1	49	22.58	22.63	22.68				
	16QAM	25	0	22.61	22.66	22.71				
	16QAM	25	12	22.65	22.70	22.75				
10	16QAM	25	25	22.69	22.74	22.79	28.5	3		
	16QAM	25	50	22.73	22.78	22.83				
	16QAM	25	75	22.77	22.82	22.87				
	16QAM	50	0	22.81	22.86	22.91				
10	16QAM	1	0	22.87	22.88	22.85	28.5	1		
	16QAM	1	9	22.90	22.90	22.84				
	16QAM	1	24	22.87	22.85	22.85				
	16QAM	12	0	22.92	22.92	22.88				
10	16QAM	12	7	22.83	22.82	22.88	27.5	2		
	16QAM	12	13	22.79	22.79	22.81				
	16QAM	25	0	22.85	22.86	22.86				
	16QAM	25	12	22.89	22.90	22.90				
10	16QAM	25	25	22.93	22.94	22.94	27.5	2		
	16QAM	25	50	22.97	22.97	22.97				
	16QAM	25	75	23.00	23.00	23.00				
	16QAM	50	0	23.03	23.03	23.03				
10	16QAM	1	25	22.99	23.00	23.01	28.5	3		
	16QAM	1	49	23.02	23.03	23.04				
	16QAM	25	0	23.05	23.06	23.07				
	16QAM	25	12	23.08	23.09	23.10				

Band 26(FCC)_Ant 0(DSI 6/8/9/12)											
EW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up Imp (dB)	MPR (dB)			
Channel											
Frequency (MHz)											
				8215	8315	8415					
15	QPSK	1	0	23.03	23.03	23.03			24	0	
15	QPSK	1	37	23.07	23.02	23.41					
15	QPSK	1	74	23.44	23.48	23.42			23	1	
15	QPSK	36	0	22.45	22.45	22.45					
15	QPSK	36	39	22.45	22.45	22.37			23	1	
15	QPSK	75	0	22.42	22.45	22.39					
15	16QAM	1	0	22.42	22.45	22.45			23	1	
15	16QAM	1	37	22.44	22.48	22.39					
15	16QAM	1	74	22.43	22.45	22.41			22	2	
15	16QAM	36	0	21.48	21.50	21.45					
15	16QAM	36	20	21.44	21.49	21.44			22	2	
15	16QAM	36	59	21.45	21.47	21.43					
15	16QAM	15	0	21.43	21.45	21.43			22	2	
15	16QAM	1	0	21.42	21.46	21.41					
15	16QAM	1	37	21.45	21.47	21.42			22	2	
15	16QAM	1	74	21.45	21.46	21.41					
15	16QAM	36	0	20.48	20.50	20.48			21	3	
15	16QAM	36	20	20.45	20.46	20.40					
15	16QAM	36	59	20.43	20.43	20.43			19	5	
15	256QAM	1	0	18.43	18.50	18.39					
15	256QAM	1	37	18.41	18.50	18.39			19	5	
15	256QAM	1	74	18.43	18.44	18.43					
15	256QAM	36	0	18.47	18.51	18.45			19	5	
15	256QAM	36	20	18.40	18.48	18.41					
15	256QAM	36	59	18.48	18.50	18.38			19	5	
15	256QAM	75	0	18.43	18.50	18.40					
Channel				26740	26865	26960	Turn-up Imp (dB)	MPR (dB)			
				8115	8215	8315					
10	QPSK	1	0	23.49	23.51	23.43			24	0	
10	QPSK	1	25	23.40	23.47	23.34					
10	QPSK	1	49	23.41	23.40	23.40			23	1	
10	QPSK	25	0	22.41	22.48	22.40					
10	QPSK	25	12	22.39	22.42	22.35			23	1	
10	QPSK	60	0	22.36	22.44	22.32					
10	16QAM	1	0	22.25	22.44	22.38			23	1	
10	16QAM	1	25	22.23	22.43	22.33					
10	16QAM	1	49	22.40	22.37	22.35			22	2	
10	16QAM	25	0	21.44	21.47	21.40					
10	16QAM	25	12	21.35	21.47	21.35			22	2	
10	16QAM	25	25	21.32	21.40	21.37					
10	16QAM	50	0	21.41	21.42	21.41			22	2	
10	16QAM	1	0	21.38	21.38	21.38					
10	16QAM	1	25	21.31	21.40	21.40			21	3	
10	16QAM	1	49	21.40	21.37	21.34					
10	16QAM	25	0	20.39	20.38	20.42			19	5	
10	16QAM	25	12	20.35	20.36	20.36					
10	16QAM	25	25	20.35	20.48	20.25			19	5	
10	256QAM	1	0	18.33	18.38	18.33					
10	256QAM	1	25	18.36	18.36	18.36			19	5	
10	256QAM	1	49	18.32	18.43	18.31					
10	256QAM	25	0	18.33	18.41	18.42			19	5	
10	256QAM	25	12	18.29	18.38	18.38					
10	256QAM	25	25	18.37	18.43	18.32			15	5	
10	256QAM	50	0	18.26	18.46	18.30					
Channel				8165	8315	8415	Turn-up Imp (dB)	MPR (dB)			
5	QPSK	1	0	23.48	23.51	23.42			24		0
5	QPSK	1	12	23.43	23.46	23.34					
5	QPSK	1	24	23.39	23.40	23.39			23	1	
5	QPSK	12	0	22.42	22.46	22.41					
5	QPSK	12	7	22.45	22.40	22.38			23	1	
5	QPSK	12	13	22.40	22.41	22.35					
5	QPSK	25	0	22.38	22.40	22.37			23	1	
5	16QAM	1	0	22.41	22.39	22.33					
5	16QAM	1	12	22.41	22.48	22.38			22	2	
5	16QAM	12	0	21.39	21.44	21.38					
5	16QAM	12	7	21.37	21.48	21.40			22	2	
5	16QAM	12	13	21.42	21.47	21.38					
5	16QAM	25	0	21.34	21.38	21.33			22	2	
5	16QAM	1	0	21.29	21.33	21.32					
5	16QAM	1	12	21.41	21.45	21.37			22	2	
5	16QAM	1	24	21.43	21.44	21.27					
5	16QAM	12	0	20.33	20.41	20.36			21	3	
5	16QAM	12	7	20.31	20.38	20.31					
5	16QAM	12	13	20.41	20.28	20.37			19	5	
5	16QAM	25	0	20.42	20.36	20.35					
5	256QAM	1	0	18.35	18.34	18.32			19	5	
5	256QAM	1	12	18.40	18.38	18.33					
5	256QAM	1	24	18.24	18.37	18.37			19	5	
5	256QAM	12	0	18.36	18.46	18.35					
5	256QAM	12	7	18.25	18.36	18.28			19	5	
5	256QAM	12	13	18.25	18.41	18.33					
5	256QAM	25	0	18.34	18.41	18.27			15	5	
Channel											
26765				26865	27025	Turn-up Imp (dB)	MPR (dB)				
				8165	8315	8415					
3	QPSK	1	0	23.49	23.49	23.41			24	0	
3	QPSK	1	8	23.41	23.47	23.38					
3	QPSK	1	14	23.35	23.45	23.40			23	1	
3	QPSK	8	0	22.46	22.42	22.37					
3	QPSK	8	4	22.42	22.44	22.38			23	1	
3	QPSK	8	7	22.44	22.38	22.34					
3	QPSK	16	0	22.40	22.44	22.33			23	1	
3	16QAM	1	0	22.37	22.40	22.33					
3	16QAM	1	8	22.38	22.44	22.38			22	2	
3	16QAM	1	14	22.40	22.40	22.32					
3	16QAM	8	0	21.39	21.43	21.37			22	2	
3	16QAM	8	4	21.43	21.41	21.43					
3	16QAM	8	7	21.41	21.38	21.33			22	2	
3	16QAM	16	0	21.36	21.37	21.36					
3	16QAM	1	0	21.38	21.42	21.27			21	3	
3	16QAM	1	8	21.40	21.34	21.29					
3	16QAM	1	14	21.34	21.33	21.31			21	3	
3	16QAM	8	0	20.40	20.43	20.31					
3	16QAM	8	4	20.31	20.37	20.35			19	5	
3	16QAM	8	7	20.40	20.40	20.34					
3	256QAM	1	0	20.42	20.46	20.28			19	5	
3	256QAM	1	8	18.41	18.39	18.37					
3	256QAM	1	8	18.53	18.45	18.30			19	5	
3	256QAM	1	14	18.53	18.39	18.38					
3	256QAM	8	0	18.29	18.37	18.26			15	5	
3	256QAM	8	4	18.35	18.33	18.33					
3	256QAM	8	7	18.26	18.39	18.23			15	5	
3	256QAM	16	0	18.29	18.46	18.28					
Channel				8197	8315	8415	Turn-up Imp (dB)	MPR (dB)			
				8147	8315	8415					
1.4	QPSK	1	0	23.44	23.52	23.45			24	0	
1.4	QPSK	1	3	23.45	23.47	23.34					
1.4	QPSK	1	5	23.43	23.41	23.41			23	1	
1.4	QPSK	3	0	22.50	22.50	22.50					
1.4	QPSK	3	1	22.42	22.50	22.47			23	1	
1.4	QPSK	3	2	22.43	22.46	22.44					
1.4	QPSK	6	0	22.43	22.44	22.41			23	1	
1.4	QPSK	6	1	22.43	22.44	22.39					
1.4	16QAM	1	0	22.38	22.42	22.38			23	1	
1.4	16QAM	1	5	22.34	22.42	22.36					
1.4	16QAM	1	9	22.39	22.42	22.34			22	2	
1.4	16QAM	3	0	22.41	22.38	22.37					
1.4	16QAM	3	1	22.42	22.41	22.42			22	2	
1.4	16QAM	3	2	22.41	22.42	22.37					
1.4	16QAM	6	0	21.38	21.40	21.41			22	2	
1.4	16QAM	6	1	21.39	21.34	21.37					
1.4	16QAM	6	2	21.33	21.42	21.37			22	2	
1.4	16QAM	6	3	21.36	21.37	21.32					
1.4	16QAM	6	4	21.44	21.43	21.30			21	3	
1.4	16QAM	6	5	21.42	21.42	21.32					
1.4	16QAM	6	6	20.38	20.48	20.37			21	3	
1.4	16QAM	6	7	20.36	20.48	20.37					
1.4	16QAM	6	8	18.36	18.46	18.30			19	5	
1.4	16QAM	6	9	18.29	18.47	18.30					
1.4	16QAM	6	10	18.35	18.41	18.28			19	5	
1.4	16QAM	6	11	18.36	18.47	18.28					
1.4	16QAM	6	12	18.32	18.38	18.23			15	5	
1.4	16QAM	6	13	18.26	18.45	18.23					

Band 66_Ant 0(DSI 6/8/9/12)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co./Fz (Hz)	Power Meds Co./Fz (Hz)	Power High Co./Fz (Hz)	Turn-up (dB)	MFR (dB)		
Channel										
				130272	130322	130572				
20	QPSK	1	0	21.70	21.97	21.97	22.5	0		
20	QPSK	1	49	21.75	21.87	21.72				
20	QPSK	1	99	21.60	21.68	21.84				
20	QPSK	50	24	20.82	20.91	20.86				
20	QPSK	50	50	20.87	20.91	20.86	21.5	1		
20	QPSK	100	0	20.62	20.92	20.79				
20	16QAM	1	0	21.24	21.28	21.18				
20	16QAM	1	49	21.24	21.24	21.01				
20	16QAM	1	99	20.97	21.04	21.01	21.5	1		
20	16QAM	50	0	19.59	19.62	19.45				
20	16QAM	50	24	19.64	19.68	19.46				
20	16QAM	50	50	19.65	19.68	19.50				
20	16QAM	100	0	19.46	19.88	19.82	20.5	2		
20	16QAM	50	0	19.69	19.92	19.83				
20	16QAM	1	0	21.00	21.02	21.07				
20	16QAM	1	49	20.91	21.00	20.95				
20	16QAM	1	99	20.87	20.95	20.89	21.5	1		
20	16QAM	50	0	19.86	19.91	19.77				
20	16QAM	50	24	19.90	20.00	19.85				
20	16QAM	50	50	19.87	19.92	19.85				
20	16QAM	100	0	19.65	19.95	19.87	20.5	2		
20	16QAM	50	0	19.67	19.83	19.82				
20	16QAM	1	49	18.43	18.55	18.43				
20	16QAM	1	99	18.55	18.56	18.49				
20	16QAM	50	0	18.53	18.54	18.41	17.5	5		
20	16QAM	50	24	18.48	18.55	18.45				
20	16QAM	50	50	18.52	18.52	18.49				
20	16QAM	100	0	18.64	18.60	18.56				
Channel										
				130272	130322	130572	Turn-up (dB)	MFR (dB)		
15	QPSK	1	0	17.15	17.45	17.75	22.5	0		
15	QPSK	1	37	21.69	21.80	21.83				
15	QPSK	1	74	21.55	21.81	21.49				
15	QPSK	36	0	20.74	20.82	20.74				
15	QPSK	36	20	20.71	20.85	20.79	21.5	1		
15	QPSK	75	0	20.75	20.88	20.87				
15	16QAM	1	0	21.10	21.20	21.14				
15	16QAM	1	37	21.23	21.14	21.11				
15	16QAM	1	74	20.92	20.94	20.90	21.5	1		
15	16QAM	36	0	19.66	19.48	19.43				
15	16QAM	36	20	19.62	19.85	19.83				
15	16QAM	36	59	19.72	19.76	19.74				
15	16QAM	75	0	19.68	19.69	19.71	20.5	2		
15	16QAM	1	0	21.00	20.94	20.95				
15	16QAM	1	37	20.76	20.86	20.87				
15	16QAM	1	74	20.86	20.80	20.79				
15	16QAM	36	0	19.60	19.83	19.83	21.5	1		
15	16QAM	36	20	19.69	19.87	19.85				
15	16QAM	36	59	19.65	19.86	19.86				
15	16QAM	75	0	19.75	19.90	19.74				
15	16QAM	1	0	18.47	18.49	18.46	17.5	5		
15	16QAM	1	37	18.45	18.48	18.45				
15	16QAM	1	74	18.51	18.55	18.48				
15	16QAM	36	0	18.39	18.47	18.33				
15	16QAM	36	20	18.43	18.48	18.39				
15	16QAM	36	59	18.49	18.49	18.47				
15	16QAM	75	0	18.47	18.51	18.48				
Channel										
				130272	130322	130572	Turn-up (dB)	MFR (dB)		
10	QPSK	1	0	21.70	21.91	21.83	22.5	0		
10	QPSK	1	25	21.66	21.75	21.67				
10	QPSK	1	50	21.50	21.81	21.49				
10	QPSK	25	0	20.79	20.87	20.80				
10	QPSK	25	12	20.62	20.84	20.74	21.5	1		
10	QPSK	25	25	20.62	20.79	20.74				
10	QPSK	50	0	20.88	20.76	20.71				
10	16QAM	1	0	21.15	21.22	21.17				
10	16QAM	1	25	21.12	21.19	21.05	21.5	1		
10	16QAM	1	50	20.92	20.94	20.90				
10	16QAM	25	0	19.46	19.58	19.44				
10	16QAM	25	12	19.60	19.87	19.71				
10	16QAM	25	25	19.73	19.76	19.73	20.5	2		
10	16QAM	50	0	19.74	19.83	19.70				
10	16QAM	1	0	20.87	21.06	21.04				
10	16QAM	1	25	20.87	20.94	20.89				
10	16QAM	1	50	20.85	20.86	20.73	21.5	1		
10	16QAM	25	0	19.72	19.77	19.83				
10	16QAM	25	12	19.86	19.48	19.81				
10	16QAM	25	25	19.60	19.84	19.84				
10	16QAM	50	0	19.68	19.86	19.86	20.5	2		
10	16QAM	1	0	18.48	18.62	18.37				
10	16QAM	1	25	18.56	18.44	18.44				
10	16QAM	1	50	18.45	18.46	18.34				
10	16QAM	25	0	18.42	18.42	18.37	17.5	5		
10	16QAM	25	12	18.37	18.48	18.34				
10	16QAM	25	25	18.54	18.47	18.38				
10	16QAM	50	0	18.51	18.53	18.52				
Channel										
				130272	130322	130572	Turn-up (dB)	MFR (dB)		
5	QPSK	1	0	21.82	21.90	21.85	22.5	0		
5	QPSK	1	12	21.69	21.72	21.67				
5	QPSK	1	24	21.52	21.82	21.66				
5	QPSK	12	0	20.75	20.85	20.79				
5	QPSK	12	7	20.90	20.89	20.84	21.5	1		
5	QPSK	12	13	20.64	20.84	20.71				
5	QPSK	25	0	20.79	20.79	20.71				
5	16QAM	1	0	21.13	21.18	21.04				
5	16QAM	1	12	21.06	21.13	21.19	21.5	1		
5	16QAM	1	24	20.96	21.01	20.86				
5	16QAM	12	0	19.55	19.57	19.30				
5	16QAM	12	7	19.65	19.92	19.79				
5	16QAM	12	13	19.81	19.88	19.70	20.5	2		
5	16QAM	25	0	19.87	19.83	19.68				
5	16QAM	1	0	20.88	20.98	20.95				
5	16QAM	1	12	20.85	20.99	20.86				
5	16QAM	12	0	19.85	19.85	19.73	21.5	1		
5	16QAM	12	7	19.82	19.88	19.30				
5	16QAM	12	13	19.72	19.87	19.80				
5	16QAM	25	0	19.81	19.89	19.81				
5	16QAM	25	12	19.60	19.84	19.84	20.5	2		
5	16QAM	25	25	19.68	19.86	19.86				
5	16QAM	1	0	18.48	18.62	18.37				
5	16QAM	1	24	18.56	18.44	18.44				
5	16QAM	1	49	18.45	18.46	18.34	17.5	5		
5	16QAM	25	0	18.42	18.42	18.37				
5	16QAM	25	12	18.37	18.48	18.34				
5	16QAM	25	25	18.54	18.47	18.38				
5	16QAM	50	0	18.51	18.53	18.52				
Channel										
				131672	130222	130592	Turn-up (dB)	MFR (dB)		
3	QPSK	1	0	21.715	21.745	21.775	22.5	0		
3	QPSK	1	24	21.50	21.87	21.67				
3	QPSK	1	48	21.50	21.60	21.52				
3	QPSK	12	0	20.79	20.89	20.88				
3	QPSK	12	1	20.79	20.89	20.88	21.5	1		
3	QPSK	12	13	20.64	20.84	20.74				
3	QPSK	25	0	20.72	20.74	20.79				
3	QPSK	25	1	20.72	20.81	21.17				
3	16QAM	1	0	21.18	21.18	21.14	21.5	1		
3	16QAM	1	24	21.04	21.10	21.00				
3	16QAM	1	48	20.96	21.03	20.99				
3	16QAM	12	0	19.84	19.89	19.75				
3	16QAM	12	1	19.84	19.89	19.74	20.5	2		
3	16QAM	12	13	19.74	19.74	19.72				
3	16QAM	25	0	19.82	19.88	19.78				
3	16QAM	25	1	19.97	21.04	20.98				
3	16QAM	25	13	20.05	20.05	20.05	21.5	1		
3	16QAM	1	0	20.97	21.04	20.96				
3	16QAM	1	24	20.84	20.88	20.72				
3	16QAM	1	48	19.76	19.85	19.83				
3	16QAM	12	0	19.74	19.86	19.81	20.5	2		
3	16QAM	12	1	19.70	19.86	19.84				
3	16QAM	25	0	19.80	19.90	19.84				
3	16QAM	25	1	19.80	19.89	19.83				
3	16QAM	1	0	18.48	18.62	18.37	17.5	5		
3	16QAM	1	8	18.31	18.42	18.44				
3	16QAM	1	16	18.45	18.45	18.39				
3	16QAM	1	24	18.45	18.41	18.33				
3	16QAM	1	48	18.44	18.38	18.30	17.5	5		
3	16QAM	1	8	18.48	18.54	18.35				
3	16QAM	1	16	18.48	18.48	18.35				
3	16QAM	1	24	18.44	18.48	18.35				
3	16QAM	1	48	18.44	18.48	18.35				
Channel										
				131672	130222	130592	Turn-up (dB)	MFR (dB)		
1.4	QPSK	1	0	21.81	21.91	21.83	22.5	0		
1.4	QPSK	1	37	21.64	21.74	21.60				
1.4	QPSK	1	74	21.45	21.67	21.43				
1.4	QPSK	3	0	21.90	21.82	21.70				
1.4	QPSK	3	0	20.78	20.83	20.77	21.5	1		
1.4	QPSK	3	0	21.23	21.18	21.09				
1.4	QPSK	3	0	21.02	21.04	21.04				
1.4	QPSK	3	0	20.90	21.00	20.98				
1.4	16QAM	1	0	21.12	21.08	21.00	20.5	2		
1.4	16QAM	1	0	20.91	20.81	20.71				
1.4	16QAM	1	0	20.81	20.61	20.51				
1.4	16QAM	1	0	20.70	20.50	20.40				
1.4	16QAM	1	0	20.59	20.49					

Band 38_Ant 0(DSI 6/8/9/12)									
BW (MHz)	Modulation	RS	RB	Power Ch 1 / Freq (Ch / Freq)	Power Ch 2 / Freq (Ch / Freq)	Power Ch 3 / Freq (Ch / Freq)	Time-up (min)	MPS (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.00	20.00	20.00			
20	QPSK	1	48	20.08	20.08	20.08	24	0	
20	QPSK	1	96	20.08	20.08	20.08			
20	QPSK	36	0	20.00	20.00	20.00			
20	QPSK	36	24	20.08	20.08	20.08	23	1	
20	QPSK	36	48	20.08	20.08	20.08			
20	QPSK	36	72	20.08	20.08	20.08			
20	QPSK	36	96	20.08	20.08	20.08	22	1	
20	QPSK	36	120	20.08	20.08	20.08			
20	QPSK	36	144	20.08	20.08	20.08			
20	QPSK	36	168	20.08	20.08	20.08	23	1	
20	QPSK	36	192	20.08	20.08	20.08			
20	QPSK	36	216	20.08	20.08	20.08	22	1	
20	QPSK	36	240	20.08	20.08	20.08			
20	QPSK	36	264	20.08	20.08	20.08	23	1	
20	QPSK	36	288	20.08	20.08	20.08			
20	QPSK	36	312	20.08	20.08	20.08	22	1	
20	QPSK	36	336	20.08	20.08	20.08			
20	QPSK	36	360	20.08	20.08	20.08	23	1	
20	QPSK	36	384	20.08	20.08	20.08			
20	QPSK	36	408	20.08	20.08	20.08	22	1	
20	QPSK	36	432	20.08	20.08	20.08			
20	QPSK	36	456	20.08	20.08	20.08	23	1	
20	QPSK	36	480	20.08	20.08	20.08			
20	QPSK	36	504	20.08	20.08	20.08	22	1	
20	QPSK	36	528	20.08	20.08	20.08			
20	QPSK	36	552	20.08	20.08	20.08	23	1	
20	QPSK	36	576	20.08	20.08	20.08			
20	QPSK	36	600	20.08	20.08	20.08	22	1	
20	QPSK	36	624	20.08	20.08	20.08			
20	QPSK	36	648	20.08	20.08	20.08	23	1	
20	QPSK	36	672	20.08	20.08	20.08			
20	QPSK	36	696	20.08	20.08	20.08	22	1	
20	QPSK	36	720	20.08	20.08	20.08			
20	QPSK	36	744	20.08	20.08	20.08	23	1	
20	QPSK	36	768	20.08	20.08	20.08			
20	QPSK	36	792	20.08	20.08	20.08	22	1	
20	QPSK	36	816	20.08	20.08	20.08			
20	QPSK	36	840	20.08	20.08	20.08	23	1	
20	QPSK	36	864	20.08	20.08	20.08			
20	QPSK	36	888	20.08	20.08	20.08	22	1	
20	QPSK	36	912	20.08	20.08	20.08			
20	QPSK	36	936	20.08	20.08	20.08	23	1	
20	QPSK	36	960	20.08	20.08	20.08			
20	QPSK	36	984	20.08	20.08	20.08	22	1	
20	QPSK	36	1008	20.08	20.08	20.08			
20	QPSK	36	1032	20.08	20.08	20.08	23	1	
20	QPSK	36	1056	20.08	20.08	20.08			
20	QPSK	36	1080	20.08	20.08	20.08	22	1	
20	QPSK	36	1104	20.08	20.08	20.08			
20	QPSK	36	1128	20.08	20.08	20.08	23	1	
20	QPSK	36	1152	20.08	20.08	20.08			
20	QPSK	36	1176	20.08	20.08	20.08	22	1	
20	QPSK	36	1200	20.08	20.08	20.08			
20	QPSK	36	1224	20.08	20.08	20.08	23	1	
20	QPSK	36	1248	20.08	20.08	20.08			
20	QPSK	36	1272	20.08	20.08	20.08	22	1	
20	QPSK	36	1296	20.08	20.08	20.08			
20	QPSK	36	1320	20.08	20.08	20.08	23	1	
20	QPSK	36	1344	20.08	20.08	20.08			
20	QPSK	36	1368	20.08	20.08	20.08	22	1	
20	QPSK	36	1392	20.08	20.08	20.08			
20	QPSK	36	1416	20.08	20.08	20.08	23	1	
20	QPSK	36	1440	20.08	20.08	20.08			
20	QPSK	36	1464	20.08	20.08	20.08	22	1	
20	QPSK	36	1488	20.08	20.08	20.08			
20	QPSK	36	1512	20.08	20.08	20.08	23	1	
20	QPSK	36	1536	20.08	20.08	20.08			
20	QPSK	36	1560	20.08	20.08	20.08	22	1	
20	QPSK	36	1584	20.08	20.08	20.08			
20	QPSK	36	1608	20.08	20.08	20.08	23	1	
20	QPSK	36	1632	20.08	20.08	20.08			
20	QPSK	36	1656	20.08	20.08	20.08	22	1	
20	QPSK	36	1680	20.08	20.08	20.08			
20	QPSK	36	1704	20.08	20.08	20.08	23	1	
20	QPSK	36	1728	20.08	20.08	20.08			
20	QPSK	36	1752	20.08	20.08	20.08	22	1	
20	QPSK	36	1776	20.08	20.08	20.08			
20	QPSK	36	1800	20.08	20.08	20.08	23	1	
20	QPSK	36	1824	20.08	20.08	20.08			
20	QPSK	36	1848	20.08	20.08	20.08	22	1	
20	QPSK	36	1872	20.08	20.08	20.08			
20	QPSK	36	1896	20.08	20.08	20.08	23	1	
20	QPSK	36	1920	20.08	20.08	20.08			
20	QPSK	36	1944	20.08	20.08	20.08	22	1	
20	QPSK	36	1968	20.08	20.08	20.08			
20	QPSK	36	1992	20.08	20.08	20.08	23	1	
20	QPSK	36	2016	20.08	20.08	20.08			
20	QPSK	36	2040	20.08	20.08	20.08	22	1	
20	QPSK	36	2064	20.08	20.08	20.08			
20	QPSK	36	2088	20.08	20.08	20.08	23	1	
20	QPSK	36	2112	20.08	20.08	20.08			
20	QPSK	36	2136	20.08	20.08	20.08	22	1	
20	QPSK	36	2160	20.08	20.08	20.08			
20	QPSK	36	2184	20.08	20.08	20.08	23	1	
20	QPSK	36	2208	20.08	20.08	20.08			
20	QPSK	36	2232	20.08	20.08	20.08	22	1	
20	QPSK	36	2256	20.08	20.08	20.08			
20	QPSK	36	2280	20.08	20.08	20.08	23	1	
20	QPSK	36	2304	20.08	20.08	20.08			
20	QPSK	36	2328	20.08	20.08	20.08	22	1	
20	QPSK	36	2352	20.08	20.08	20.08			
20	QPSK	36	2376	20.08	20.08	20.08	23	1	
20	QPSK	36	2400	20.08	20.08	20.08			
20	QPSK	36	2424	20.08	20.08	20.08	22	1	
20	QPSK	36	2448	20.08	20.08	20.08			
20	QPSK	36	2472	20.08	20.08	20.08	23	1	
20	QPSK	36	2496	20.08	20.08	20.08			
20	QPSK	36	2520	20.08	20.08	20.08	22	1	
20	QPSK	36	2544	20.08	20.08	20.08			
20	QPSK	36	2568	20.08	20.08	20.08	23	1	
20	QPSK	36	2592	20.08	20.08	20.08			
20	QPSK	36	2616	20.08	20.08	20.08	22	1	
20	QPSK	36	2640	20.08	20.08	20.08			
20	QPSK	36	2664	20.08	20.08	20.08	23	1	
20	QPSK	36	2688	20.08	20.08	20.08			
20	QPSK	36	2712	20.08	20.08	20.08	22	1	
20	QPSK	36	2736	20.08	20.08	20.08			
20	QPSK	36	2760	20.08	20.08	20.08	23	1	
20	QPSK	36	2784	20.08	20.08	20.08			
20	QPSK	36	2808	20.08	20.08	20.08	22	1	
20	QPSK	36	2832	20.08	20.08	20.08			
20	QPSK	36	2856	20.08	20.08	20.08	23	1	
20	QPSK	36	2880	20.08	20.08	20.08			
20	QPSK	36	2904	20.08	20.08	20.08	22	1	
20	QPSK	36	2928	20.08	20.08	20.08			
20	QPSK	36	2952	20.08	20.08	20.08	23	1	
20	QPSK	36	2976	20.08	20.08	20.08			
20	QPSK	36	3000	20.08	20.08	20.08	22	1	
20	QPSK	36	3024	20.08	20.08	20.08			
20	QPSK	36	3048	20.08	20.08	20.08	23	1	
20	QPSK	36	3072	20.08	20.08	20.08			

[illegible]

Part 96_Band 42_Ant 0(DSI 6/8/9/12)											
SV	Modulation	RB	Ch	RB	Ch	Power Level Ch1	Power Level Ch2	Power Level Ch3	Power Level Ch4	Time-out (sec)	MFR (dB)
Channel											
Frequency (MHz)						5565	5675	5755			
20	QPSK	1	0	20	52	20.81	20.78	20.81			
20	QPSK	1	0	20	52	20.81	20.78	20.81		22	0
20	QPSK	50	0	15	52	19.52	19.53	19.52			
20	QPSK	50	0	15	52	19.52	19.53	19.52		21	1
20	QPSK	100	0	10	52	19.87	19.88	19.89			
20	QPSK	100	0	10	52	19.87	19.88	19.89		21	1
20	QPSK	50	0	15	52	19.82	19.81	19.83			
20	QPSK	50	0	15	52	19.78	19.78	19.87			
20	QPSK	50	0	15	52	19.84	19.78	19.87		20	0
20	QPSK	50	0	15	52	19.76	19.71	19.86			
20	QPSK	50	0	15	52	19.82	19.82	19.87			
20	QPSK	50	0	15	52	19.73	19.68	19.58			
20	QPSK	50	0	15	52	19.77	19.71	19.85			
20	QPSK	50	0	15	52	17.89	17.76	17.71			
20	QPSK	50	0	15	52	17.85	17.85	17.85		19	3
20	QPSK	100	0	10	52	17.91	17.88	17.89			
20	QPSK	100	0	10	52	17.86	17.86	17.85			
20	QPSK	50	0	15	52	15.81	15.80	15.54		17	5
20	QPSK	50	0	15	52	15.88	15.83	15.85			
20	QPSK	50	0	15	52	15.84	15.81	15.81			
20	QPSK	50	0	15	52	15.82	15.73	15.71		17	5
20	QPSK	50	0	15	52	15.82	15.82	15.81			
20	QPSK	100	0	10	52	15.72	15.76	15.73			
Channel						6116	6134	6135			
Frequency (MHz)						20.84	20.75	20.89			
15	QPSK	1	0	20	54	20.84	20.75	20.89			
15	QPSK	1	0	20	54	20.84	20.75	20.89		22	0
15	QPSK	50	0	15	54	19.83	19.71	19.83			
15	QPSK	50	0	15	54	19.78	19.70	19.83		21	1
15	QPSK	100	0	10	54	19.88	19.78	19.89			
15	QPSK	100	0	10	54	19.88	19.78	19.89		21	1
15	QPSK	50	0	15	54	19.88	19.80	19.84			
15	QPSK	50	0	15	54	19.88	19.79	19.87			
15	QPSK	50	0	15	54	19.88	19.80	19.87		20	2
15	QPSK	50	0	15	54	19.82	19.78	19.87			
15	QPSK	50	0	15	54	19.82	19.78	19.87			
15	QPSK	50	0	15	54	19.82	19.78	19.87		20	2
15	QPSK	50	0	15	54	19.78	19.71	19.85			
15	QPSK	50	0	15	54	17.86	19.73	17.82			
15	QPSK	50	0	15	54	17.79	17.70	17.62		19	3
Channel						6117	6135	6136			
Frequency (MHz)						20.84	20.75	20.89			
10	QPSK	1	0	20	54	20.84	20.75	20.89			
10	QPSK	1	0	20	54	20.84	20.75	20.89		22	0
10	QPSK	50	0	15	54	19.83	19.71	19.83			
10	QPSK	50	0	15	54	19.78	19.70	19.83		21	1
10	QPSK	100	0	10	54	19.88	19.78	19.89			
10	QPSK	100	0	10	54	19.88	19.78	19.89		21	1
10	QPSK	50	0	15	54	19.88	19.80	19.84			
10	QPSK	50	0	15	54	19.88	19.79	19.87			
10	QPSK	50	0	15	54	19.88	19.80	19.87		20	2
10	QPSK	50	0	15	54	19.82	19.78	19.87			
10	QPSK	50	0	15	54	19.82	19.78	19.87			
10	QPSK	50	0	15	54	19.82	19.78	19.87		20	2
10	QPSK	50	0	15	54	19.78	19.71	19.85			
10	QPSK	50	0	15	54	17.86	19.73	17.82			
10	QPSK	50	0	15	54	17.79	17.70	17.61		19	3
Channel						6118	6136	6137			
Frequency (MHz)						20.84	20.75	20.89			
5	QPSK	1	0	20	54	20.84	20.83	20.71			
5	QPSK	1	0	20	54	20.78	20.77	20.62		22	0
5	QPSK	12	7	13	73	19.74	19.73	19.81			
5	QPSK	12	7	13	73	19.74	19.73	19.81		21	1
5	QPSK	26	0	26	86	19.86	19.84	19.81			
5	QPSK	26	0	26	86	19.86	19.84	19.81		21	1
5	QPSK	12	7	13	73	19.79	19.62	19.72			
5	QPSK	12	7	13	73	19.78	19.79	19.89			
5	QPSK	12	7	13	73	19.78	19.79	19.89		20	2
5	QPSK	12	7	13	73	19.78	19.82	19.83			
5	QPSK	26	0	26	86	19.79	19.78	19.81			
5	QPSK	26	0	26	86	19.78	19.86	19.88			
5	QPSK	12	7	13	73	19.79	19.79	19.81		20	2
5	QPSK	12	7	13	73	19.74	19.73	19.81			
5	QPSK	26	0	26	86	17.80	17.68	17.66			
5	QPSK	26	0	26	86	17.79	17.68	17.66		19	3
5	QPSK	12	7	13	73	15.73	15.74	15.66			
5	QPSK	12	7	13	73	15.80	15.76	15.57		17	5
5	QPSK	12	7	13	73	15.81	15.87	15.61			
5	QPSK	12	7	13	73	15.87	15.88	15.83			
5	QPSK	12	7	13	73	15.89	15.86	15.70		17	5

Part 27Q_Band 42_Ant 1 (DS1 7/8/9/10/11/12)										
RF Mod	Modulation	RF Ch	RF Ch Low	RF Ch High	RF Ch Low	RF Ch High	RF Ch Low	RF Ch High	Turn-on (ms)	MFR (dB)
Channel										
Frequency (MHz)		15400		15500		15600		Turn-on (ms)		MFR (dB)
20	QPSK	1	0	21.03	21.43	21.18				
20	QPSK	1	0	21.03	21.43	21.18			23	0
20	QPSK	1	0	21.03	21.43	21.18				
20	QPSK	50	0	20.11	20.48	20.29				
20	QPSK	50	0	20.11	20.48	20.29			22	1
20	QPSK	50	0	20.11	20.48	20.29				
20	QPSK	100	0	20.10	20.48	20.18				
20	QPSK	100	0	20.10	20.48	20.18			22	1
20	QPSK	1	0	20.10	20.48	20.18				
20	QPSK	50	0	19.11	19.49	19.18			21	
20	QPSK	50	0	19.11	19.49	19.18				
20	QPSK	100	0	19.13	19.47	19.15				
20	QPSK	100	0	19.13	19.47	19.15			21	
20	QPSK	1	0	19.11	19.49	19.18				
20	QPSK	50	0	18.12	18.54	18.20			20	3
20	QPSK	50	0	18.12	18.54	18.20				
20	QPSK	100	0	18.13	18.49	18.16				
20	QPSK	100	0	18.13	18.49	18.16			18	5
20	QPSK	1	0	18.10	18.43	18.14				
20	QPSK	50	0	17.10	17.48	17.15			18	5
20	QPSK	50	0	17.10	17.48	17.15				
20	QPSK	100	0	16.10	16.43	16.14			18	5
20	QPSK	100	0	16.10	16.43	16.14				
Channel										
Frequency (MHz)		42140		42500		43015		Turn-on (ms)		MFR (dB)
15	QPSK	1	0	21.03	21.43	21.18				
15	QPSK	1	0	21.03	21.43	21.18			23	0
15	QPSK	1	0	21.03	21.43	21.18				
15	QPSK	74	21	21.04	21.41	21.18				
15	QPSK	74	21	21.04	21.41	21.18			22	1
15	QPSK	36	20	20.10	20.43	20.18				
15	QPSK	36	20	20.10	20.43	20.18				
15	QPSK	75	0	20.08	20.41	20.14				
15	QPSK	75	0	20.08	20.41	20.14			22	1
15	QPSK	1	0	20.09	20.48	20.14				
15	QPSK	1	0	20.09	20.48	20.14			22	1
15	QPSK	74	20	20.04	20.37	20.14				
15	QPSK	74	20	20.04	20.37	20.14			21	2
15	QPSK	36	0	19.12	19.47	19.15				
15	QPSK	36	0	19.12	19.47	19.15				
15	QPSK	75	0	18.10	18.49	18.16			20	3
15	QPSK	75	0	18.10	18.49	18.16				
15	QPSK	1	0	18.09	18.46	18.17			18	
15	QPSK	1	0	18.09	18.46	18.17				
15	QPSK	74	18	18.07	18.47	18.14				
15	QPSK	74	18	18.07	18.47	18.14			18	5
15	QPSK	36	0	17.10	17.48	17.15				
15	QPSK	36	0	17.10	17.48	17.15				
15	QPSK	75	0	16.10	16.43	16.14			18	5
15	QPSK	75	0	16.10	16.43	16.14				
Channel										
Frequency (MHz)		42115 <th colspan="2">42550<th colspan="2">43050<th colspan="2">Turn-on (ms)</th><th>MFR (dB)</th></th></th>		42550 <th colspan="2">43050<th colspan="2">Turn-on (ms)</th><th>MFR (dB)</th></th>		43050 <th colspan="2">Turn-on (ms)</th> <th>MFR (dB)</th>		Turn-on (ms)		MFR (dB)
5	QPSK	1	0	21.03	21.38	21.14				
5	QPSK	1	12	21.02	21.39	21.15			23	0
5	QPSK	1	0	21.03	21.38	21.14				
5	QPSK	12	0	20.07	20.40	20.18				
5	QPSK	12	7	20.08	20.44	20.18			22	1
5	QPSK	12	7	20.08	20.44	20.18				
5	QPSK	25	0	20.10	20.43	20.14				
5	QPSK	25	0	20.10	20.43	20.14			22	1
5	QPSK	1	0	20.09	20.41	20.14				
5	QPSK	1	12	20.05	20.42	20.18			21	2
5	QPSK	1	0	20.05	20.42	20.18				
5	QPSK	12	7	19.11	19.47	19.18			21	2
5	QPSK	12	7	19.11	19.47	19.18				
5	QPSK	25	0	18.12	18.49	18.16				
5	QPSK	25	0	18.12	18.49	18.16			20	3
5	QPSK	1	0	18.13	18.46	18.17				
5	QPSK	1	12	18.07	18.47	18.14				
5	QPSK	1	0	18.10	18.43	18.14			18	5
5	QPSK	1	12	18.07	18.47	18.14				
5	QPSK	25	0	16.10	16.43	16.14			18	5
5	QPSK	25	0	16.10	16.43	16.14				
5	QPSK	12	7	15.10	15.44	15.16			18	5
5	QPSK	12	7	15.10	15.44	15.16				

Part 96 Band 42 Ant 1 (DSI 7/8/9/10/11/12)									
RF Block	Modulation	RF Freq (MHz)	RF Ch	RF Freq Low Ch F1 (MHz)	RF Freq High Ch F2 (MHz)	Turn-on Time (ms)	MPR (dB)		
Channel									
Frequency (MHz)		3655 3675 3695							
20	QPSK	1	0	21.20	21.48	21.68			
20	QPSK	1	66	21.27	21.48	21.61	23		
20	QPSK	1	131	21.34	21.48	21.61	23		
20	QPSK	80	0	20.20	20.48	20.68			
20	QPSK	80	66	20.27	20.48	20.61	22		
20	QPSK	80	130	20.34	20.48	20.61	22		
20	QPSK	160	0	20.28	20.53	20.65			
20	16QAM	1	46	20.27	20.54	20.67	22		
20	16QAM	1	96	20.34	20.53	20.68			
20	16QAM	1	150	20.41	20.53	20.65			
20	16QAM	80	24	19.24	19.53	19.68	21		
20	16QAM	160	50	19.24	19.58	19.65			
20	16QAM	160	100	19.31	19.58	19.65			
20	16QAM	1	0	19.26	19.52	19.63			
20	16QAM	1	59	19.33	19.52	19.61			
20	16QAM	1	118	19.40	19.52	19.61			
20	16QAM	50	0	18.36	18.58	18.67	20		
20	16QAM	50	24	18.43	18.58	18.65			
20	16QAM	50	50	18.50	18.58	18.68			
20	16QAM	100	0	18.55	18.49	18.66			
20	16QAM	100	24	18.62	18.49	18.65			
20	16QAM	1	46	18.26	18.53	18.63	18		
20	16QAM	1	96	18.36	18.49	18.68			
20	16QAM	1	150	18.43	18.49	18.70			
20	16QAM	80	24	18.27	18.52	18.63	18		
20	16QAM	160	0	18.27	18.54	18.69			
20	16QAM	160	24	18.34	18.54	18.69			
Channel									
Frequency (MHz)		4316 4336 4356							
Frequency (MHz)		4316 4336 4356							
15	QPSK	1	0	21.24	21.48	21.61			
15	QPSK	1	37	21.27	21.48	21.61	23		
15	QPSK	1	74	21.31	21.48	21.59			
15	QPSK	80	0	20.24	20.48	20.61			
15	QPSK	80	20	20.22	20.50	20.63	22		
15	QPSK	80	40	20.25	20.49	20.61			
15	16QAM	1	0	20.25	20.47	20.64			
15	16QAM	1	37	20.28	20.47	20.62	22		
15	16QAM	1	74	20.31	20.50	20.62			
15	16QAM	80	0	19.24	19.47	19.61			
15	16QAM	80	20	19.25	19.50	19.62			
15	16QAM	80	39	19.28	19.47	19.58			
15	16QAM	75	0	19.13	19.44	19.62			
15	16QAM	1	4	19.13	19.44	19.62			
15	16QAM	1	37	19.16	19.44	19.64	21		
15	16QAM	1	74	19.19	19.44	19.64			
15	16QAM	80	20	18.25	18.57	18.65			
15	16QAM	160	20	18.18	18.44	18.59	20		
15	16QAM	160	39	18.21	18.44	18.59			
15	16QAM	75	0	18.22	18.47	18.62			
15	16QAM	1	0	18.16	18.40	18.66			
15	16QAM	1	37	18.19	18.40	18.66	18		
15	16QAM	1	74	18.21	18.39	18.60			
15	16QAM	80	0	18.24	18.45	18.56			
15	16QAM	80	20	18.25	18.45	18.57	18		
15	16QAM	80	40	18.26	18.45	18.56			
15	16QAM	160	0	18.26	18.45	18.57			
15	16QAM	160	20	18.27	18.46	18.60			
15	16QAM	160	40	18.28	18.46	18.60			
Channel									
Frequency (MHz)		4316 4336 4356							
Frequency (MHz)		4316 4336 4356							
5	QPSK	1	0	21.23	21.48	21.61			
5	QPSK	1	12	21.24	21.47	21.67	23		
5	QPSK	1	24	21.25	21.47	21.67			
5	QPSK	12	0	20.20	20.48	20.62			
5	QPSK	12	7	20.26	20.45	20.59	22		
5	QPSK	12	13	20.27	20.47	20.60			
5	QPSK	26	0	20.22	20.51	20.62			
5	QPSK	26	13	20.23	20.49	20.60	22		
5	16QAM	1	12	20.22	20.47	20.61			
5	16QAM	1	24	20.23	20.45	20.57			
5	16QAM	12	0	19.17	19.33	19.52			
5	16QAM	12	7	19.18	19.33	19.52	21		
5	16QAM	12	13	19.19	19.33	19.52			
5	16QAM	1	0	18.16	18.43	18.53			
5	16QAM	1	12	18.13	18.42	18.51	21		
5	16QAM	1	24	18.14	18.43	18.51			
5	16QAM	12	0	17.13	17.40	17.52			
5	16QAM	26	0	18.11	18.48	18.61			
5	16QAM	26	13	18.12	18.48	18.61	18		
5	16QAM	1	12	18.23	18.51	18.59			
5	16QAM	1	24	18.24	18.50	18.54	18		
5	16QAM	12	0	17.20	17.42	17.58			
5	16QAM	12	7	17.18	17.40	17.55			
5	16QAM	12	13	17.21	17.43	17.66			
5	16QAM	26	0	18.21	18.43	18.66			

Band 43(FCC)_Ant 0(DSI 6/8/9/12)										
RF [MHz]	Modulation	RB Size	RB Offset	Power Low	Power High	Power High	Turn-on	MPR		
				[Ch / Freq]	[Ch / Freq]	[Ch / Freq]	time (min)	(dB)		
Channel										
Frequency (MHz)										
30	QPSK	1	0	21.12	21.12	21.12				
30	QPSK	1	48	21.10	21.02	21.08	22.5	0		
30	QPSK	1	96	21.11	21.05	21.04				
30	QPSK	50	0	20.98	20.92	20.98				
30	QPSK	50	24	20.98	20.92	20.98	21.5	1		
30	QPSK	50	48	20.99	20.96	20.98				
30	QPSK	50	72	20.99	20.96	20.98				
30	QPSK	50	96	20.99	20.96	20.98				
30	QPSK	100	0	20.98	20.92	20.98				
30	QPSK	100	24	20.98	20.92	20.98	21.5	1		
30	QPSK	100	48	20.97	20.94	20.98				
30	QPSK	100	72	20.97	20.94	20.98				
30	QPSK	100	96	20.97	20.94	20.98				
30	QPSK	100	120	20.97	20.94	20.98				
30	QPSK	100	144	20.97	20.94	20.98				
30	QPSK	100	168	20.97	20.94	20.98				
30	QPSK	100	192	20.97	20.94	20.98				
30	QPSK	100	216	20.97	20.94	20.98				
30	QPSK	100	240	20.97	20.94	20.98				
30	QPSK	100	264	20.97	20.94	20.98				
30	QPSK	100	288	20.97	20.94	20.98				
30	QPSK	100	312	20.97	20.94	20.98				
30	QPSK	100	336	20.97	20.94	20.98				
30	QPSK	100	360	20.97	20.94	20.98				
30	QPSK	100	384	20.97	20.94	20.98				
30	QPSK	100	408	20.97	20.94	20.98				
30	QPSK	100	432	20.97	20.94	20.98				
30	QPSK	100	456	20.97	20.94	20.98				
30	QPSK	100	480	20.97	20.94	20.98				
30	QPSK	100	504	20.97	20.94	20.98				
30	QPSK	100	528	20.97	20.94	20.98				
30	QPSK	100	552	20.97	20.94	20.98				
30	QPSK	100	576	20.97	20.94	20.98				
30	QPSK	100	600	20.97	20.94	20.98				
30	QPSK	100	624	20.97	20.94	20.98				
30	QPSK	100	648	20.97	20.94	20.98				
30	QPSK	100	672	20.97	20.94	20.98				
30	QPSK	100	696	20.97	20.94	20.98				
30	QPSK	100	720	20.97	20.94	20.98				
30	QPSK	100	744	20.97	20.94	20.98				
30	QPSK	100	768	20.97	20.94	20.98				
30	QPSK	100	792	20.97	20.94	20.98				
30	QPSK	100	816	20.97	20.94	20.98				
30	QPSK	100	840	20.97	20.94	20.98				
30	QPSK	100	864	20.97	20.94	20.98				
30	QPSK	100	888	20.97	20.94	20.98				
30	QPSK	100	912	20.97	20.94	20.98				
30	QPSK	100	936	20.97	20.94	20.98				
30	QPSK	100	960	20.97	20.94	20.98				
30	QPSK	100	984	20.97	20.94	20.98				
30	QPSK	100	1008	20.97	20.94	20.98				
30	QPSK	100	1032	20.97	20.94	20.98				
30	QPSK	100	1056	20.97	20.94	20.98				
30	QPSK	100	1080	20.97	20.94	20.98				
30	QPSK	100	1104	20.97	20.94	20.98				
30	QPSK	100	1128	20.97	20.94	20.98				
30	QPSK	100	1152	20.97	20.94	20.98				
30	QPSK	100	1176	20.97	20.94	20.98				
30	QPSK	100	1200	20.97	20.94	20.98				
30	QPSK	100	1224	20.97	20.94	20.98				
30	QPSK	100	1248	20.97	20.94	20.98				
30	QPSK	100	1272	20.97	20.94	20.98				
30	QPSK	100	1296	20.97	20.94	20.98				
30	QPSK	100	1320	20.97	20.94	20.98				
30	QPSK	100	1344	20.97	20.94	20.98				
30	QPSK	100	1368	20.97	20.94	20.98				
30	QPSK	100	1392	20.97	20.94	20.98				
30	QPSK	100	1416	20.97	20.94	20.98				
30	QPSK	100	1440	20.97	20.94	20.98				
30	QPSK	100	1464	20.97	20.94	20.98				
30	QPSK	100	1488	20.97	20.94	20.98				
30	QPSK	100	1512	20.97	20.94	20.98				
30	QPSK	100	1536	20.97	20.94	20.98				
30	QPSK	100	1560	20.97	20.94	20.98				
30	QPSK	100	1584	20.97	20.94	20.98				
30	QPSK	100	1608	20.97	20.94	20.98				
30	QPSK	100	1632	20.97	20.94	20.98				
30	QPSK	100	1656	20.97	20.94	20.98				
30	QPSK	100	1680	20.97	20.94	20.98				
30	QPSK	100	1704	20.97	20.94	20.98				
30	QPSK	100	1728	20.97	20.94	20.98				
30	QPSK	100	1752	20.97	20.94	20.98				
30	QPSK	100	1776	20.97	20.94	20.98				
30	QPSK	100	1800	20.97	20.94	20.98				
30	QPSK	100	1824	20.97	20.94	20.98				
30	QPSK	100	1848	20.97	20.94	20.98				
30	QPSK	100	1872	20.97	20.94	20.98				
30	QPSK	100	1896	20.97	20.94	20.98				
30	QPSK	100	1920	20.97	20.94	20.98				
30	QPSK	100	1944	20.97	20.94	20.98				
30	QPSK	100	1968	20.97	20.94	20.98				
30	QPSK	100	1992	20.97	20.94	20.98				
30	QPSK	100	2016	20.97	20.94	20.98				
30	QPSK	100	2040	20.97	20.94	20.98				
30	QPSK	100	2064	20.97	20.94	20.98				
30	QPSK	100	2088	20.97	20.94	20.98				
30	QPSK	100	2112	20.97	20.94	20.98				
30	QPSK	100	2136	20.97	20.94	20.98				
30	QPSK	100	2160	20.97	20.94	20.98				
30	QPSK	100	2184	20.97	20.94	20.98				
30	QPSK	100	2208	20.97	20.94	20.98				
30	QPSK	100	2232	20.97	20.94	20.98				
30	QPSK	100	2256	20.97	20.94	20.98				
30	QPSK	100	2280	20.97	20.94	20.98				
30	QPSK	100	2304	20.97	20.94	20.98				
30	QPSK	100	2328	20.97	20.94	20.98				
30	QPSK	100	2352	20.97	20.94	20.98				
30	QPSK	100	2376	20.97	20.94	20.98				
30	QPSK	100	2400	20.97	20.94	20.98				
30	QPSK	100	2424	20.97	20.94	20.98				
30	QPSK	100	2448	20.97	20.94	20.98				
30	QPSK	100	2472	20.97	20.94	20.98				
30	QPSK	100	2496	20.97	20.94	20.98				
30	QPSK	100	2520	20.97	20.94	20.98				
30	QPSK	100	2544	20.97	20.94	20.98				
30	QPSK	100	2568	20.97	20.94	20.98				
30	QPSK	100	2592	20.97	20.94	20.98				
30	QPSK	100	2616	20.97	20.94	20.98				
30	QPSK	100	2640	20.97	20.94	20.98				
30	QPSK	100	2664	20.97	20.94	20.98				
30	QPSK	100	2688	20.97	20.94	20.98				
30	QPSK	100	2712	20.97	20.94	20.98				
30	QPSK	100	2736	20.97	20.94	20.98				
30	QPSK	100	2760	20.97	20.94	20.98				
30	QPSK	100	2784	20.97	20.94	20.98				
30	QPSK	100	2808	20.97	20.94	20.98				
30	QPSK	100	2832	20.97	20.94	20.98				
30	QPSK	100	2856	20.97	20.94	20.98				
30	QPSK	100	2880	20.97	20.94	20.98				
30	QPSK	100	2904	20.97	20.94	20.98				
30	QPSK	100	2928	20.97	20.94	20.98				
30	QPSK	100	2952	20.97	20.94	20.98				
30	QPSK	100	2976	20.97	20.94	20.98				
30	QPSK	100	3000	20.97	20.94	20.98				
30	QPSK	100	3024	20.97	20.94	20.98				
30	QPSK	100	3048	20.97	20.94	20.98				
30	QPSK	100	3072	20.97	20.94	20.98				
30	QPSK	100	3096	20.97	20.94	20.98				
30	QPSK	100	3120	20.97	20.94	20.98				
30	QPSK	100	3144	20.97	20.94	20.98				
30	QPSK	100	3168	20.97	20.94	20.98				
30	QPSK	100	3192	20.97	20.94	20.98				
30	QPSK	100	3216	20.97	20.94	20.98				
30	QPSK	100	3240	20.97	20.94	20.98				
30	QPSK	100	3264	20.97	20.94	20.98				
30	QPSK	100	3288	20.97	20.94	20.98		</		

Full & Default Power Mode

[illegible]

n2_Ant 1							
(W) [MHz]	Modulation	RIS Size	RIS Offset	Low Ch. Freq.	High Ch. Freq.	Power High Freq.	Energy and Efficiency
Frequency Bands							
40	FM (BPSK)	1	1	22.18	22.22	22.18	24.0
40	FM (BPSK)	2	108	22.18	22.22	22.18	
40	FM (BPSK)	1	214	22.18	22.22	22.18	
40	FM (BPSK)	2	214	22.18	22.22	22.18	
40	FM (BPSK)	168	54	22.28	22.32	22.28	25.5
40	FM (BPSK)	168	54	22.28	22.32	22.28	24.0
40	FM (BPSK)	168	106	21.88	21.92	21.88	23.5
40	FM (BPSK)	2	106	21.88	21.92	21.88	
40	FM (BPSK)	2	214	21.88	21.92	21.88	
40	FM (BPSK)	2	214	21.88	21.92	21.88	
40	QPSK	1	1	22.22	22.28	22.22	24.0
40	QPSK)	2	108	22.22	22.28	22.22	
40	QPSK)	1	214	22.22	22.28	22.22	
40	QPSK)	2	214	22.22	22.28	22.22	
40	QPSK)	168	54	21.94	21.98	21.94	23.0
40	QPSK)	168	54	21.94	21.98	21.94	24.0
40	QPSK)	168	106	21.66	21.70	21.66	23.0
40	QPSK)	2	106	21.66	21.70	21.66	
40	QPSK)	2	214	21.66	21.70	21.66	
40	QPSK)	2	214	21.66	21.70	21.66	
40	ISBQAM	1	1	21.88	21.92	21.88	25.0
40	ISBQAM	2	108	21.88	21.92	21.88	
40	ISBQAM	1	214	21.88	21.92	21.88	
40	ISBQAM	2	214	21.88	21.92	21.88	
40	ISBQAM	168	54	21.58	21.62	21.58	24.5
40	ISBQAM	2	106	21.58	21.62	21.58	
40	ISBQAM	2	214	21.58	21.62	21.58	
40	ISBQAM	2	214	21.58	21.62	21.58	
Channel				37.600	37.600	37.600	25.5
Frequency Bands							
30	QPSK)	1	1	22.05	22.05	22.05	24.0
30	QPSK)	2	108	22.05	22.05	22.05	
30	QPSK)	1	214	22.05	22.05	22.05	
30	QPSK)	2	214	22.05	22.05	22.05	
30	QPSK)	168	54	22.05	22.05	22.05	24.0
30	QPSK)	2	106	22.05	22.05	22.05	
30	QPSK)	2	214	22.05	22.05	22.05	
30	QPSK)	2	214	22.05	22.05	22.05	
25	QPSK)	1	1	22.48	22.48	22.48	24.0
25	QPSK)	2	108	22.48	22.48	22.48	
25	QPSK)	1	214	22.48	22.48	22.48	
25	QPSK)	2	214	22.48	22.48	22.48	
Frequency Bands							
20	QPSK)	1	1	18.66	18.66	18.66	24.0
20	QPSK)	2	108	18.66	18.66	18.66	
20	QPSK)	1	214	18.66	18.66	18.66	
20	QPSK)	2	214	18.66	18.66	18.66	
15	QPSK)	1	1	22.39	22.39	22.39	24.0
15	QPSK)	2	108	22.39	22.39	22.39	
15	QPSK)	1	214	22.39	22.39	22.39	
15	QPSK)	2	214	22.39	22.39	22.39	24.0
15	QPSK)	168	54	22.39	22.39	22.39	
15	QPSK)	2	106	22.39	22.39	22.39	
15	QPSK)	2	214	22.39	22.39	22.39	
Channel				37.500	37.500	37.500	25.5
Frequency Bands							
10	QPSK)	1	1	18.66	18.66	18.66	24.0
10	QPSK)	2	108	18.66	18.66	18.66	
10	QPSK)	1	214	18.66	18.66	18.66	
10	QPSK)	2	214	18.66	18.66	18.66	
10	QPSK)	168	54	22.45	22.45	22.45	24.0
10	QPSK)	2	106	22.45	22.45	22.45	
10	QPSK)	2	214	22.45	22.45	22.45	
10	QPSK)	2	214	22.45	22.45	22.45	
Channel				37.400	37.400	37.400	25.5

n5_Ant 0						
AV (MHz)	Modulation	RF Size	RF Offset	Base Modulation	Base Rate (MHz)	Time (sec) (min)
				16000	16000	16000
Frequency (MHz)						
1	QPSK	1	0	21.5	21.5	21.5
2	QPSK	1	0	21.5	21.5	21.5
3	QPSK	1	0	21.5	21.5	21.5
4	QPSK	1	0	21.5	21.5	21.5
5	QPSK	1	0	21.5	21.5	21.5
6	QPSK	1	0	21.5	21.5	21.5
7	QPSK	1	0	21.5	21.5	21.5
8	QPSK	1	0	21.5	21.5	21.5
9	QPSK	1	0	21.5	21.5	21.5
10	QPSK	1	0	21.5	21.5	21.5
11	QPSK	1	0	21.5	21.5	21.5
12	QPSK	1	0	21.5	21.5	21.5
13	QPSK	1	0	21.5	21.5	21.5
14	QPSK	1	0	21.5	21.5	21.5
15	QPSK	1	0	21.5	21.5	21.5
16	QPSK	1	0	21.5	21.5	21.5
17	QPSK	1	0	21.5	21.5	21.5
18	QPSK	1	0	21.5	21.5	21.5
19	QPSK	1	0	21.5	21.5	21.5
20	QPSK	1	0	21.5	21.5	21.5
21	QPSK	1	0	21.5	21.5	21.5
22	QPSK	1	0	21.5	21.5	21.5
23	QPSK	1	0	21.5	21.5	21.5
24	QPSK	1	0	21.5	21.5	21.5
25	QPSK	1	0	21.5	21.5	21.5
26	QPSK	1	0	21.5	21.5	21.5
27	QPSK	1	0	21.5	21.5	21.5
28	QPSK	1	0	21.5	21.5	21.5
29	QPSK	1	0	21.5	21.5	21.5
30	QPSK	1	0	21.5	21.5	21.5
31	QPSK	1	0	21.5	21.5	21.5
32	QPSK	1	0	21.5	21.5	21.5
33	QPSK	1	0	21.5	21.5	21.5
34	QPSK	1	0	21.5	21.5	21.5
35	QPSK	1	0	21.5	21.5	21.5
36	QPSK	1	0	21.5	21.5	21.5
37	QPSK	1	0	21.5	21.5	21.5
38	QPSK	1	0	21.5	21.5	21.5
39	QPSK	1	0	21.5	21.5	21.5
40	QPSK	1	0	21.5	21.5	21.5
41	QPSK	1	0	21.5	21.5	21.5
42	QPSK	1	0	21.5	21.5	21.5
43	QPSK	1	0	21.5	21.5	21.5
44	QPSK	1	0	21.5	21.5	21.5
45	QPSK	1	0	21.5	21.5	21.5
46	QPSK	1	0	21.5	21.5	21.5
47	QPSK	1	0	21.5	21.5	21.5
48	QPSK	1	0	21.5	21.5	21.5
49	QPSK	1	0	21.5	21.5	21.5
50	QPSK	1	0	21.5	21.5	21.5
51	QPSK	1	0	21.5	21.5	21.5
52	QPSK	1	0	21.5	21.5	21.5
53	QPSK	1	0	21.5	21.5	21.5
54	QPSK	1	0	21.5	21.5	21.5
55	QPSK	1	0	21.5	21.5	21.5
56	QPSK	1	0	21.5	21.5	21.5
57	QPSK	1	0	21.5	21.5	21.5
58	QPSK	1	0	21.5	21.5	21.5
59	QPSK	1	0	21.5	21.5	21.5
60	QPSK	1	0	21.5	21.5	21.5
61	QPSK	1	0	21.5	21.5	21.5
62	QPSK	1	0	21.5	21.5	21.5
63	QPSK	1	0	21.5	21.5	21.5
64	QPSK	1	0	21.5	21.5	21.5
65	QPSK	1	0	21.5	21.5	21.5
66	QPSK	1	0	21.5	21.5	21.5
67	QPSK	1	0	21.5	21.5	21.5
68	QPSK	1	0	21.5	21.5	21.5
69	QPSK	1	0	21.5	21.5	21.5
70	QPSK	1	0	21.5	21.5	21.5
71	QPSK	1	0	21.5	21.5	21.5
72	QPSK	1	0	21.5	21.5	21.5
73	QPSK	1	0	21.5	21.5	21.5
74	QPSK	1	0	21.5	21.5	21.5
75	QPSK	1	0	21.5	21.5	21.5
76	QPSK	1	0	21.5	21.5	21.5
77	QPSK	1	0	21.5	21.5	21.5
78	QPSK	1	0	21.5	21.5	21.5
79	QPSK	1	0	21.5	21.5	21.5
80	QPSK	1	0	21.5	21.5	21.5
81	QPSK	1	0	21.5	21.5	21.5
82	QPSK	1	0	21.5	21.5	21.5
83	QPSK	1	0	21.5	21.5	21.5
84	QPSK	1	0	21.5	21.5	21.5
85	QPSK	1	0	21.5	21.5	21.5
86	QPSK	1	0	21.5	21.5	21.5
87	QPSK	1	0	21.5	21.5	21.5
88	QPSK	1	0	21.5	21.5	21.5
89	QPSK	1	0	21.5	21.5	21.5
90	QPSK	1	0	21.5	21.5	21.5
91	QPSK	1	0	21.5	21.5	21.5
92	QPSK	1	0	21.5	21.5	21.5
93	QPSK	1	0	21.5	21.5	21.5
94	QPSK	1	0	21.5	21.5	21.5
95	QPSK	1	0	21.5	21.5	21.5
96	QPSK	1	0	21.5	21.5	21.5
97	QPSK	1	0	21.5	21.5	21.5
98	QPSK	1	0	21.5	21.5	21.5
99	QPSK	1	0	21.5	21.5	21.5
100	QPSK	1	0	21.5	21.5	21.5
Frequency (MHz)						
1	QPSK	1	0	21.5	21.5	21.5
2	QPSK	1	0	21.5	21.5	21.5
3	QPSK	1	0	21.5	21.5	21.5
4	QPSK	1	0	21.5	21.5	21.5
5	QPSK	1	0	21.5	21.5	21.5
6	QPSK	1	0	21.5	21.5	21.5
7	QPSK	1	0	21.5	21.5	21.5
8	QPSK	1	0	21.5	21.5	21.5
9	QPSK	1	0	21.5	21.5	21.5
10	QPSK	1	0	21.5	21.5	21.5
11	QPSK	1	0	21.5	21.5	21.5
12	QPSK	1	0	21.5	21.5	21.5
13	QPSK	1	0	21.5	21.5	21.5
14	QPSK	1	0	21.5	21.5	21.5
15	QPSK	1	0	21.5	21.5	21.5
16	QPSK	1	0	21.5	21.5	21.5
17	QPSK	1	0	21.5	21.5	21.5
18	QPSK	1	0	21.5	21.5	21.5
19	QPSK	1	0	21.5	21.5	21.5
20	QPSK	1	0	21.5	21.5	21.5
21	QPSK	1	0	21.5	21.5	21.5
22	QPSK	1	0	21.5	21.5	21.5
23	QPSK	1	0	21.5	21.5	21.5
24	QPSK	1	0	21.5	21.5	21.5
25	QPSK	1	0	21.5	21.5	21.5
26	QPSK	1	0	21.5	21.5	21.5
27	QPSK	1	0	21.5	21.5	21.5
28	QPSK	1	0	21.5	21.5	21.5
29	QPSK	1	0	21.5	21.5	21.5
30	QPSK	1	0	21.5	21.5	21.5
31	QPSK	1	0	21.5	21.5	21.5
32	QPSK	1	0	21.5	21.5	21.5
33	QPSK	1	0	21.5	21.5	21.5
34	QPSK	1	0	21.5	21.5	21.5
35	QPSK	1	0	21.5	21.5	21.5
36	QPSK	1	0	21.5	21.5	21.5
37	QPSK	1	0	21.5	21.5	21.5
38	QPSK	1	0	21.5	21.5	21.5
39	QPSK	1	0	21.5	21.5	21.5
40	QPSK	1	0	21.5	21.5	21.5
41	QPSK	1	0	21.5	21.5	21.5
42	QPSK	1	0	21.5	21.5	21.5
43	QPSK	1	0	21.5	21.5	21.5
44	QPSK	1	0	21.5	21.5	21.5
45	QPSK	1	0	21.5	21.5	21.5
46	QPSK	1	0	21.5	21.5	21.5
47	QPSK	1	0	21.5	21.5	21.5
48	QPSK	1	0	21.5	21.5	21.5
49	QPSK	1	0	21.5	21.5	21.5
50	QPSK	1	0	21.5	21.5	21.5
51	QPSK	1	0	21.5	21.5	21.5
52	QPSK	1	0	21.5	21.5	21.5
53	QPSK	1	0	21.5	21.5	21.5
54	QPSK	1	0	21.5	21.5	21.5
55	QPSK	1	0	21.5	21.5	21.5
56	QPSK	1	0	21.5	21.5	21.5
57	QPSK	1	0	21.5	21.5	21.5
58	QPSK	1	0	21.5	21.5	21.5
59	QPSK	1	0	21.5	21.5	21.5
60	QPSK	1	0	21.5	21.5	21.5
61	QPSK	1	0	21.5	21.5	21.5
62	QPSK	1	0	21.5	21.5	21.5
63	QPSK	1	0	21.5	21.5	21.5
64	QPSK	1	0	21.5	21.5	21.5
65	QPSK	1	0	21.5	21.5	21.5
66	QPSK	1	0	21.5	21.5	21.5
67	QPSK	1	0	21.5	21.5	21.5
68	QPSK	1	0	21.5	21.5	21.5
69	QPSK	1	0	21.5	21.5	21.5
70	QPSK	1	0	21.5	21.5	21.5
71	QPSK	1	0	21.5	21.5	21.5
72	QPSK	1	0	21.5	21.5	21.5
73	QPSK	1	0	21.5	21.5	21.5
74	QPSK	1	0	21.5	21.5	21.5
75	QPSK	1	0	21.5	21.5	21.5
76	QPSK	1	0	21.5	21.5	21.5
77	QPSK	1	0	21.5	21.5	21.5
78	QPSK	1	0	21.5	21.5	21.5
79	QPSK	1	0	21.5	21.5	21.5
80	QPSK	1	0	21.5	21.5	21.5
81	QPSK	1	0	21.5	21.5	21.5
82	QPSK	1	0	21.5	21.5	21.5
83	QPSK	1	0	21.5	21.5	21.5
84	QPSK	1	0	21.5	21.5	21.5
85	QPSK	1	0	21.5	21.5	21.5
86	QPSK	1	0	21.5	21.5	21.5
87	QPSK	1	0	21.5	21.5	21.5
88	QPSK	1	0	21.5	21.5	21.5
89	QPSK	1	0	21.5	21.5	21.5
90	QPSK	1	0	21.5	21.5	21.5
91	QPSK	1	0	21.5	21.5	21.5
92	QPSK	1	0	21.5	21.5	21.5
93	QPSK	1	0	21.5	21.5	21.5
94	QPSK	1	0	21.5	21.5	21.5
95	QPSK	1	0	21.5	21.5	21.5
96	QPSK	1	0	21.5	21.5	21.5
97	QPSK	1	0	21.5	21.5	21.5
98	QPSK	1	0	21.5	21.5	21.5
99	QPSK	1	0	21.5	21.5	21.5
100	QPSK	1	0	21.5	21.5	21.5
Frequency (MHz)						
1	QPSK	1	0	21.5	21.5	21.5
2	QPSK	1	0	21.5	21.5	21.5
3	QPSK	1	0	21.5	21.5	21.5
4	QPSK	1	0	21.5	21.5	21.5
5	QPSK	1	0	21.5	21.5	21.5
6	QPSK	1	0	21.5	21.5	21.5
7	QPSK	1	0	21.5	21.5	21.5
8	QPSK	1	0	21.5	21.5	21.5
9	QPSK	1	0	21.5	21.5	21.5
10	QPSK	1	0	21.5	21.5	21.5
11	QPSK	1	0	21.5	21.5	21.5

[illegible]

n7_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				545000	507000	510000			
40	PSS-BPSK	1	1	23.08	23.09	23.07		24.0	0.0
40	PSS-BPSK	1	108	23.09	23.12	22.99		24.0	0.0
40	PSS-BPSK	1	214	23.02	23.12	23.11		24.0	0.0
40	PSS-BPSK	108	5	23.07	23.08	23.09		24.0	0.0
40	PSS-BPSK	108	54	23.10	23.13	23.05		24.0	0.0
40	PSS-BPSK	108	108	23.13	23.14	23.13		24.0	0.0
40	PSS-BPSK	214	0	23.07	23.14	23.03		24.0	0.0
40	QPSK	1	1	23.08	23.17	23.14		24.0	0.0
40	QPSK	1	108	22.99	23.12	23.11		24.0	0.0
40	QPSK	1	214	22.99	23.08	22.99		24.0	0.0
40	QPSK	108	5	23.02	23.08	23.03		24.0	0.0
40	QPSK	108	54	23.05	23.17	23.07		24.0	0.0
40	QPSK	108	108	23.09	23.08	23.01		24.0	0.0
40	QPSK	214	0	23.06	23.09	23.02		24.0	0.0
40	HS-SMAM	1	1	23.04	23.10	23.03		24.0	0.0
40	HS-SMAM	1	1	21.80	21.88	21.84		22.5	1.5
Channel									
Frequency (MHz)				510000	507000	510000	Turn-up time (dBm)	MPR (dB)	
35	QPSK	1	1	22.99	23.08	23.07		24.0	0.0
Channel									
Frequency (MHz)				510000	507000	510000	Turn-up time (dBm)	MPR (dB)	
30	QPSK	1	1	22.99	23.10	22.99		24.0	0.0
Channel									
Frequency (MHz)				510000	507000	510000	Turn-up time (dBm)	MPR (dB)	
25	QPSK	1	1	23.01	23.10	23.09		24.0	0.0
Channel									
Frequency (MHz)				510000	507000	510000	Turn-up time (dBm)	MPR (dB)	
20	QPSK	1	1	22.90	23.10	23.02		24.0	0.0
Channel									
Frequency (MHz)				510000	507000	510000	Turn-up time (dBm)	MPR (dB)	
15	QPSK	1	1	22.94	23.14	22.99		24.0	0.0
Channel									
Frequency (MHz)				510000	507000	510000	Turn-up time (dBm)	MPR (dB)	
10	QPSK	1	1	22.95	23.07	23.02		24.0	0.0
Channel									
Frequency (MHz)				510000	507000	510000	Turn-up time (dBm)	MPR (dB)	
5	QPSK	1	1	23.00	23.08	23.01		24.0	0.0

n12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				141000	141000	141000	14.5		
15	PSS-BPSK	1	1	23.42	23.45	23.39			
15	PSS-BPSK	1	40	23.59	23.65	23.61	24.0	0.0	
15	PSS-BPSK	1	77	23.48	23.61	23.57			
15	PSS-BPSK	36	5	23.48	23.57	23.49	24.0	0.0	
15	PSS-BPSK	36	22	23.54	23.64	23.59	24.0	0.0	
15	PSS-BPSK	36	49	23.52	23.59	23.49	24.0	0.0	
15	PSS-BPSK	76	0	23.47	23.57	23.40			
15	QPSK	1	1	23.47	23.60	23.56			
15	QPSK	1	40	23.59	23.65	23.56	24.0	0.0	
15	QPSK	1	77	23.59	23.62	23.60			
15	QPSK	36	5	23.46	23.54	23.49	24.0	0.0	
15	QPSK	36	22	23.53	23.57	23.51	24.0	0.0	
15	QPSK	36	49	23.52	23.58	23.44	24.0	0.0	
15	QPSK	76	0	23.55	23.56	23.52			
15	HS-SMAM	1	1	23.53	23.62	23.59	24.0	0.0	
15	HS-SMAM	1	1	23.36	23.54	23.43	24.0	0.0	
15	HS-SMAM	1	1	22.00	22.12	22.09	22.5	1.5	
Channel									
Frequency (MHz)				140000	141000	142000	Turn-up time (dBm)	MPR (dB)	
10	QPSK	1	1	23.53	23.64	23.51	24.0	0.0	
Channel									
Frequency (MHz)				141000	141000	141000	Turn-up time (dBm)	MPR (dB)	
5	QPSK	1	1	23.52	23.61	23.51	24.0	0.0	

n13_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				156400					
10	PSS-BPSK	1	1		23.61				
10	PSS-BPSK	1	26		23.58		24.0	0.0	
10	PSS-BPSK	1	50		23.61				
10	PSS-BPSK	25	0		23.52		24.0	0.0	
10	PSS-BPSK	25	14		23.58		24.0	0.0	
10	PSS-BPSK	25	28		23.62		24.0	0.0	
10	PSS-BPSK	50	0		23.57				
10	QPSK	1	1		23.60				
10	QPSK	1	26		23.51		24.0	0.0	
10	QPSK	1	50		23.54				
10	QPSK	25	0		23.45		24.0	0.0	
10	QPSK	25	14		23.55		24.0	0.0	
10	QPSK	25	27		23.45		24.0	0.0	
10	QPSK	50	0		23.51				
10	HS-SMAM	1	1		23.10		24.0	0.0	
10	HS-SMAM	1	1		21.84		20.0	1.0	
10	HS-SMAM	1	1		20.52		21.0	0.0	
Channel									
Frequency (MHz)				155000	156000	157000	Turn-up time (dBm)	MPR (dB)	
5	QPSK	1	1	23.58	23.60	23.62	24.0	0.0	

n14_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				156000					
10	PSS-BPSK	1	1		23.60				
10	PSS-BPSK	1	26		23.57		24.0	0.0	
10	PSS-BPSK	1	50		23.52				
10	PSS-BPSK	25	0		23.58		24.0	0.0	
10	PSS-BPSK	25	14		23.54		24.0	0.0	
10	PSS-BPSK	25	27		23.48		24.0	0.0	
10	PSS-BPSK	50	0		23.53				
10	QPSK	1	1		23.60				
10	QPSK	1	26		23.55		24.0	0.0	
10	QPSK	1	50		23.49				
10	QPSK	25	0		23.26		24.0	0.0	
10	QPSK	25	14		23.51		24.0	0.0	
10	QPSK	25	27		22.40		24.0	0.0	
10	QPSK	50	0		23.57				
10	HS-SMAM	1	1		23.10		24.0	0.0	
10	HS-SMAM	1	1		21.85		20.0	1.5	
10	HS-SMAM	1	1		20.44		20.0	0.5	
Channel									
Frequency (MHz)				155100	156000	156100	Turn-up time (dBm)	MPR (dB)	
5	QPSK	1	1	23.59	23.60	23.63	24.0	0.0	

n25_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq)	Power Middle Ch. 1 (Freq)	Power High Ch. 1 (Freq)	Time-up loss (dBm)
Channel							
Frequency (MHz)				374000	376000	378000	
40	PLV BPSK	1	1	23.45	23.49	23.43	
40	PLV BPSK	1	108	23.41	23.32	23.48	24.0
40	PLV BPSK	1	214	23.35	23.48	23.41	
40	PLV BPSK	108	5	23.27	23.42	23.38	24.0
40	PLV BPSK	108	54	23.37	23.43	23.29	24.0
40	PLV BPSK	108	108	23.37	23.43	23.44	24.0
40	PLV BPSK	214	0	23.47	23.48	23.47	
40	QPSK	1	1	23.50	23.51	23.49	
40	QPSK	1	108	23.39	23.48	23.37	24.0
40	QPSK	1	214	23.27	23.42	23.37	
40	QPSK	108	5	23.37	23.43	23.38	24.0
40	QPSK	108	54	23.35	23.42	23.34	24.0
40	QPSK	108	108	23.38	23.48	23.35	24.0
40	QPSK	214	0	23.44	23.47	23.46	
40	16QAM	1	1	23.47	23.48	23.35	24.0
40	16QAM	1	1	22.48	22.10	22.09	22.5
Channel							
Frequency (MHz)				372000	374000	376000	Time-up loss (dBm)
35	QPSK	1	1	1897.5	1892.5	1897.5	0.0
Channel							
Frequency (MHz)				1895	1892.5	1895	0.0
30	QPSK	1	1	23.44	23.48	23.42	24.0
Channel							
Frequency (MHz)				375000	377000	379000	Time-up loss (dBm)
25	QPSK	1	1	23.43	23.47	23.39	24.0
Channel							
Frequency (MHz)				372000	374000	376000	Time-up loss (dBm)
20	QPSK	1	1	23.44	23.38	23.37	24.0
Channel							
Frequency (MHz)				371000	373000	375000	Time-up loss (dBm)
15	QPSK	1	1	1897.5	1892.5	1897.5	0.0
10	QPSK	1	1	23.42	23.37	23.34	24.0
Channel							
Frequency (MHz)				371000	373000	375000	Time-up loss (dBm)
10	QPSK	1	1	23.39	23.35	23.32	24.0
Channel							
Frequency (MHz)				1892.5	1892.5	1912.5	Time-up loss (dBm)
5	QPSK	1	1	23.45	23.38	23.31	24.0

n26(FCC)_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq)	Power Middle Ch. 1 (Freq)	Power High Ch. 1 (Freq)	Time-up loss (dBm)
Channel							
Frequency (MHz)				16400	16500	16600	
20	PLV BPSK	1	1	23.43	23.56	23.34	
20	PLV BPSK	1	53	23.53	23.58	23.47	24.0
20	PLV BPSK	1	104	23.40	23.54	23.52	
20	PLV BPSK	50	5	23.44	23.55	23.39	24.0
20	PLV BPSK	50	28	23.52	23.57	23.38	24.0
20	PLV BPSK	50	56	23.47	23.51	23.45	24.0
20	PLV BPSK	100	0	23.58	23.58	23.51	
20	QPSK	1	1	23.48	23.52	23.52	
20	QPSK	1	53	23.48	23.58	23.47	24.0
20	QPSK	1	104	23.47	23.58	23.45	
20	QPSK	50	5	23.50	23.50	23.44	24.0
20	QPSK	50	28	23.51	23.58	23.44	24.0
20	QPSK	50	56	23.45	23.52	23.38	24.0
20	QPSK	100	5	23.48	23.57	23.52	
20	16QAM	1	1	23.48	23.51	23.49	24.0
20	16QAM	1	1	22.41	22.47	22.43	23.0
20	16QAM	1	1	21.39	21.05	21.40	22.0
Channel							
Frequency (MHz)				16100	16500	16900	Time-up loss (dBm)
15	QPSK	1	1	23.51	23.59	23.50	24.0
Channel							
Frequency (MHz)				1610	1613	1614	Time-up loss (dBm)
10	QPSK	1	1	23.55	23.47	23.51	24.0
Channel							
Frequency (MHz)				161.5	161.5	161.5	Time-up loss (dBm)
5	QPSK	1	1	23.49	23.49	23.44	24.0

n30_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq)	Power Middle Ch. 1 (Freq)	Power High Ch. 1 (Freq)	Time-up loss (dBm)
Channel							
Frequency (MHz)				40000			
10	PLV BPSK	1	1	23.38			
10	PLV BPSK	1	28	23.21			24.0
10	PLV BPSK	1	50	23.17			
10	PLV BPSK	25	0	23.18			24.0
10	PLV BPSK	25	14	23.15			24.0
10	PLV BPSK	25	28	23.15			24.0
10	PLV BPSK	50	0	23.19			
10	QPSK	1	1	23.24			24.0
10	QPSK	1	28	23.18			24.0
10	QPSK	1	50	23.18			
10	QPSK	25	0	23.18			24.0
10	QPSK	25	14	23.22			24.0
10	QPSK	25	27	23.08			24.0
10	QPSK	50	0	23.15			24.0
10	16QAM	1	1	23.18			24.0
10	16QAM	1	1	23.25			24.0
10	16QAM	1	1	21.39			22.5
Channel							
Frequency (MHz)				40100	40200	40300	Time-up loss (dBm)
5	QPSK	1	1	23.13	23.20	23.12	24.0

n30_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq)	Power Middle Ch. 1 (Freq)	Power High Ch. 1 (Freq)	Time-up loss (dBm)
Channel							
Frequency (MHz)				40000			
10	PLV BPSK	1	1	23.45			
10	PLV BPSK	1	28	23.42			24.0
10	PLV BPSK	1	50	23.42			
10	PLV BPSK	25	0	23.18			23.5
10	PLV BPSK	25	14	23.37			24.0
10	PLV BPSK	25	28	23.24			23.5
10	PLV BPSK	50	0	23.08			
10	QPSK	1	1	22.51			24.0
10	QPSK	1	28	22.44			
10	QPSK	1	50	22.46			24.0
10	QPSK	25	0	21.28			23.0
10	QPSK	25	14	22.52			24.0
10	QPSK	25	27	21.38			23.0
10	QPSK	50	0	21.05			23.0
10	16QAM	1	1	21.39			23.0
10	16QAM	1	1	18.00			18.5
10	16QAM	1	1	18.00			18.5
Channel							
Frequency (MHz)				40100	40200	40300	Time-up loss (dBm)
5	QPSK	1	1	22.48	22.43	22.58	24.0

n66_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPE (dB)	
Channel									
	Frequency (MHz)			346000	349000	350000			
40	PSSBPSK	1	1	23.12	23.16	23.18			
40	PSSBPSK	1	108	23.11	23.18	23.20	24.0	0.0	
40	PSSBPSK	1	214	23.02	23.14	23.20			
40	PSSBPSK	108	5	23.02	23.16	23.20	24.0	0.0	
40	PSSBPSK	108	54	23.04	23.18	23.20	24.0	0.0	
40	PSSBPSK	108	108	22.95	23.09	23.20			
40	PSSBPSK	216	0	23.13	23.18	23.20	24.0	0.0	
40	QPSK	1	1	23.05	23.22	23.24			
40	QPSK	1	108	23.07	23.19	23.25	24.0	0.0	
40	QPSK	1	214	23.10	23.18	23.20			
40	QPSK	108	0	23.05	23.16	23.25	24.0	0.0	
40	QPSK	108	54	23.14	23.17	23.25	24.0	0.0	
40	QPSK	108	108	23.12	23.14	23.25			
40	QPSK	216	0	23.09	23.15	23.25	24.0	0.0	
40	16QAM	1	1	23.14	23.15	23.20	24.0	0.0	
40	16QAM	1	1	22.99	23.12	23.20	24.0	0.0	
40	256QAM	1	1	21.79	21.72	21.69	22.5	1.5	
Channel									
	Frequency (MHz)			345000	349000	350000	Time-up limit (dBm)	MPE (dB)	
35	QPSK	1	1	23.09	23.17	23.20	24.0	0.0	
Channel									
	Frequency (MHz)			1725	1745	1765			
30	QPSK	1	1	23.13	23.16	23.17	24.0	0.0	
Channel									
	Frequency (MHz)			346000	349000	350000	Time-up limit (dBm)	MPE (dB)	
26	QPSK	1	1	23.09	23.17	23.20	24.0	0.0	
Channel									
	Frequency (MHz)			346000	349000	350000	Time-up limit (dBm)	MPE (dB)	
20	QPSK	1	1	23.09	23.20	23.19	24.0	0.0	
Channel									
	Frequency (MHz)			346000	349000	350000	Time-up limit (dBm)	MPE (dB)	
15	QPSK	1	1	23.09	23.20	23.19	24.0	0.0	
Channel									
	Frequency (MHz)			346000	349000	350000	Time-up limit (dBm)	MPE (dB)	
10	QPSK	1	1	23.06	23.14	23.20	24.0	0.0	
Channel									
	Frequency (MHz)			1712.5	1745	1777.5			
5	QPSK	1	1	23.06	23.13	23.12	24.0	0.0	

n66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPE (dB)	
Channel									
	Frequency (MHz)			346000	349000	350000			
40	PSSBPSK	1	1	22.16	22.40	22.25			
40	PSSBPSK	1	108	22.35	22.38	22.27	24.0	0.0	
40	PSSBPSK	1	214	22.28	22.39	22.25			
40	PSSBPSK	108	5	21.85	21.77	21.83	23.5	0.5	
40	PSSBPSK	108	54	22.31	22.34	22.33	24.0	0.0	
40	PSSBPSK	108	108	21.67	21.76	21.83			
40	PSSBPSK	216	0	21.71	21.79	21.67	23.5	0.5	
40	QPSK	1	1	22.01	22.07	22.01			
40	QPSK	1	108	22.19	22.26	22.01	24.0	0.0	
40	QPSK	1	214	22.09	22.24	22.05			
40	QPSK	108	0	21.18	21.30	21.24	23.0	1.0	
40	QPSK	108	54	22.17	22.23	22.14	24.0	0.0	
40	QPSK	108	108	21.31	21.43	21.40			
40	QPSK	216	0	21.26	21.32	21.31	23.0	1.0	
40	16QAM	1	1	21.79	21.83	21.77	23.0	1.0	
40	16QAM	1	1	20.26	20.32	20.26	21.5	2.5	
40	256QAM	1	1	17.73	17.83	17.79	19.5	4.5	
Channel									
	Frequency (MHz)			345000	349000	350000	Time-up limit (dBm)	MPE (dB)	
35	QPSK	1	1	22.90	23.02	22.95	24.0	0.0	
Channel									
	Frequency (MHz)			1725	1745	1765			
30	QPSK	1	1	22.06	22.80	22.89	24.0	0.0	
Channel									
	Frequency (MHz)			346000	349000	350000	Time-up limit (dBm)	MPE (dB)	
26	QPSK	1	1	22.07	22.89	22.82	24.0	0.0	
Channel									
	Frequency (MHz)			346000	349000	350000	Time-up limit (dBm)	MPE (dB)	
20	QPSK	1	1	22.06	22.86	22.86	24.0	0.0	
Channel									
	Frequency (MHz)			346000	349000	350000	Time-up limit (dBm)	MPE (dB)	
15	QPSK	1	1	22.01	23.09	22.87	24.0	0.0	
Channel									
	Frequency (MHz)			346000	349000	350000	Time-up limit (dBm)	MPE (dB)	
10	QPSK	1	1	22.89	22.88	22.88	24.0	0.0	
Channel									
	Frequency (MHz)			1712.5	1745	1777.5			
5	QPSK	1	1	22.87	22.86	22.85	24.0	0.0	

n71_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPE (dB)	
Channel									
	Frequency (MHz)			136000	136100	137000			
30	PSSBPSK	1	1	23.10	23.17	23.17			
30	PSSBPSK	1	53	23.42	23.50	23.52	24.0	0.0	
30	PSSBPSK	1	104	23.46	23.50	23.47			
30	PSSBPSK	55	0	23.59	23.66	23.59	24.0	0.0	
30	PSSBPSK	55	26	23.60	23.64	23.61	24.0	0.0	
30	PSSBPSK	55	56	23.51	23.52	23.57	24.0	0.0	
30	PSSBPSK	100	0	23.48	23.67	23.62			
30	QPSK	1	1	23.15	23.24	23.22			
30	QPSK	1	53	23.46	23.60	23.52	24.0	0.0	
30	QPSK	55	0	23.54	23.56	23.48	24.0	0.0	
30	QPSK	55	26	23.57	23.60	23.51	24.0	0.0	
30	QPSK	55	56	23.47	23.53	23.58	24.0	0.0	
30	QPSK	100	0	23.52	23.65	23.59			
30	16QAM	1	1	23.62	23.68	23.68	24.0	0.0	
30	16QAM	1	1	23.64	23.71	23.76	24.0	0.0	
30	256QAM	1	1	22.08	22.18	22.15	22.0	1.5	
Channel									
	Frequency (MHz)			136000	136100	137000	Time-up limit (dBm)	MPE (dB)	
15	QPSK	1	1	23.66	23.63	23.64	24.0	0.0	
Channel									
	Frequency (MHz)			136000	136100	137000	Time-up limit (dBm)	MPE (dB)	
10	QPSK	1	1	23.76	23.80	23.80	24.0	0.0	
Channel									
	Frequency (MHz)			136000	136100	137000	Time-up limit (dBm)	MPE (dB)	
5	QPSK	1	1	23.84	23.83	23.79	24.0	0.0	

n38_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Media Ch. 1 (mW)	Power High Ch. 1 (mW)	Turn-up time (dBm)	MFR (dB)	
Channel									
				S16004	S16005	S16006			
				25.13	25.16	25.18			
40	P102 BPSK	1	1	23.13	23.13	23.43		24.0	0.0
40	P102 BPSK	1	53	23.41	23.48	23.37		24.0	0.0
40	P102 BPSK	1	104	23.37	23.32	23.47		24.0	0.0
40	P102 BPSK	50	0	23.45	23.39	23.50	24.0		0.0
40	P102 BPSK	50	26	23.56	23.57	23.52	24.0		0.0
40	P102 BPSK	50	86	23.35	23.43	23.38	24.0		0.0
40	P102 BPSK	100	0	23.40	23.55	23.46			
40	QPSK	1	1	23.35	23.35	23.35			
40	QPSK	1	53	23.35	23.47	23.37	24.0		0.0
40	QPSK	1	104	23.28	23.30	23.21			
40	QPSK	50	0	23.45	23.30	23.48	24.0		0.0
40	QPSK	50	26	23.50	23.54	23.51	24.0		0.0
40	QPSK	50	86	23.35	23.44	23.41			
40	QPSK	100	0	23.35	23.50	23.45	24.0		0.0
40	16QAM	1	1	23.35	23.32	23.48	24.0		0.0
40	256QAM	1	1	22.50	22.35	22.34	22.0		1.5
Frequency (MHz)									
				2500.01	2500.01	2500.01			
30	QPSK	1	1	23.55	23.56	23.48	24.0		0.0
Channel									
				S16004	S16005	S16006	Turn-up time	MFR	
				23.51	23.49	23.48	24.0	0.0	
20	QPSK	1	1	23.43	23.48	23.49	24.0		0.0
Channel									
				S16006	S16005	S16004	Turn-up time	MFR	
				23.51	23.49	23.48	24.0	0.0	
20	QPSK	1	1	23.51	23.49	23.48	24.0		0.0
Channel									
				S16002	S16005	S16008	Turn-up time	MFR	
				23.50	23.47	23.45	24.0	0.0	
10	QPSK	1	1	23.50	23.47	23.45	24.0		0.0
Channel									
				S16004	S16005	S16006	Turn-up time	MFR	
				23.50	23.48	23.45	24.0	0.0	
10	QPSK	1	1	23.43	23.49	23.42	24.0		0.0
Channel									
				S16002	S16005	S16008	Turn-up time	MFR	
				23.52	23.46	23.43	24.0	0.0	
0	QPSK	1	1	23.55	23.56	23.42	24.0		0.0
Frequency (MHz)									
				2502.32	2502.32	2502.48			
0	QPSK	1	1	23.72	23.76	23.73	24.0		0.0

n38_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Media Ch. 1 (Freq)	Power Media Ch. 2 (Freq)	Power Low Ch. 1 (Freq)	Turn-up time (dBm)	MFR (dB)	
Channel									
				S16004	S16005	S16006			
				22.32	22.37	22.24			
40	P102 BPSK	1	1	22.32	22.37	22.24			
40	P102 BPSK	1	53	22.34	22.28	22.28	24.0	0.0	
40	P102 BPSK	1	104	22.34	22.31	22.35			
40	P102 BPSK	50	0	21.75	21.74	21.68	23.5	0.5	
40	P102 BPSK	50	26	22.06	22.10	22.02	24.0	0.0	
40	P102 BPSK	50	86	21.95	22.04	21.97	23.5	0.5	
40	P102 BPSK	100	0	21.62	21.68	21.58			
40	QPSK	1	1	22.24	22.30	22.15			
40	QPSK	1	53	22.24	22.27	22.15	24.0	0.0	
40	QPSK	1	104	22.07	22.14	22.05			
40	QPSK	50	0	22.17	22.28	22.20			
40	QPSK	50	26	22.07	22.12	22.10	24.0	0.0	
40	QPSK	50	86	22.14	22.10	22.10			
40	QPSK	100	0	21.53	21.58	21.55	23.0	1.0	
40	16QAM	1	1	21.35	21.37	21.35	23.0	1.0	
40	64QAM	1	1	19.65	19.73	19.65	21.5	2.5	
40	256QAM	1	1	17.40	17.84	17.77	19.5	4.5	
Frequency (MHz)									
				2502.31	2502.31	2502.39			
30	QPSK	1	1	22.26	22.33	22.30	24.0	0.0	
Channel									
				2502.32	2502.32	2502.48			
20	QPSK	1	1	22.22	22.37	22.29	24.0	0.0	
Channel									
				S16005	S16006	S16008	Turn-up time	MFR	
				22.22	22.36	22.25	24.0	0.0	
20	QPSK	1	1	22.23	22.36	22.25	24.0	0.0	
Channel									
				S16002	S16005	S16008	Turn-up time	MFR	
				22.22	22.31	22.24	24.0	0.0	
10	QPSK	1	1	22.25	22.31	22.24	24.0	0.0	
Channel									
				S16004	S16005	S16006	Turn-up time	MFR	
				22.25	22.32	22.27	24.0	0.0	
10	QPSK	1	1	22.20	22.24	22.27	24.0	0.0	
Channel									
				S16002	S16005	S16008	Turn-up time	MFR	
				22.22	22.35	22.25	24.0	0.0	
0	QPSK	1	1	22.27	22.36	22.25	24.0	0.0	

FCC_n41_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Media Ch. 1 (mW)	Power High Ch. 1 (mW)	Turn-up time (dBm)	MFR (dB)	
Channel									
				S06002	S16008	S06005			
				23.02	23.02	23.02			
100	P102 BPSK	1	1	23.02	23.45	23.22			
100	P102 BPSK	1	137	23.09	23.13	23.09	24.0	0.0	
100	P102 BPSK	1	271	23.18	23.32	23.24			
100	P102 BPSK	135	0	23.20	23.25	23.15	24.0	0.0	
100	P102 BPSK	135	89	23.07	23.17	23.04	24.0	0.0	
100	P102 BPSK	135	138	23.21	23.23	23.14			
100	P102 BPSK	270	0	23.22	23.25	23.20	24.0	0.0	
100	QPSK	1	1	23.02	23.45	23.22			
100	QPSK	1	137	23.03	23.11	23.07	24.0	0.0	
100	QPSK	1	271	23.23	23.34	23.32			
100	QPSK	135	0	23.19	23.28	23.11	24.0	0.0	
100	QPSK	135	89	23.04	23.27	23.09			
100	QPSK	135	138	23.18	23.22	23.10			
100	QPSK	270	0	23.19	23.28	23.15	24.0	0.0	
100	16QAM	1	1	23.29	23.38	23.31	24.0	0.0	
100	16QAM	1	1	23.31	23.38	23.25	24.0	0.0	
100	256QAM	1	1	21.49	21.95	21.91	22.0	1.5	
Frequency (MHz)									
				2541	2550.99	2644.98			
90	QPSK	1	1	23.45	23.58	23.45	24.0	0.0	
Channel									
				2542.02	2542.39	2544.39			
80	QPSK	1	1	23.40	23.48	23.42	24.0	0.0	
Channel									
				S06002	S16008	S06005	Turn-up time	MFR	
				23.02	23.45	23.22	24.0	0.0	
70	QPSK	1	1	23.01	23.45	23.21	24.0	0.0	
Channel									
				S06005	S16008	S16005	Turn-up time	MFR	
				23.00	23.45	23.20	24.0	0.0	
60	QPSK	1	1	23.40	23.51	23.48	24.0	0.0	
Channel									
				S04004	S16008	S05008	Turn-up time	MFR	
				23.00	23.45	23.20	24.0	0.0	
50	QPSK	1	1	23.40	23.48	23.44	24.0	0.0	
Channel									
				S03002	S16008	S04000	Turn-up time	MFR	
				23.00	23.45	23.20	24.0	0.0	
40	QPSK	1	1	23.50	23.49	23.47	24.0	0.0	
Channel									
				S02000	S16008	S04008	Turn-up time	MFR	
				23.00	23.45	23.20	24.0	0.0	
30	QPSK	1	1	23.49	23.30	23.43	24.0	0.0	
Channel									
				S04011	S16008	S07013	Turn-up time	MFR	
				23.00	23.45	23.20	24.0	0.0	
25	QPSK	1	1	23.52	23.48	23.54	24.0	0.0	
Channel									
				S04010	S16008	S07012	Turn-up time	MFR	
				23.00	23.45	23.20	24.0	0.0	
20	QPSK	1	1	23.50	23.50	23.49	24.0	0.0	
Channel									
				S03013	S16008	S07016	Turn-up time	MFR	
				23.00	23.45	23.20	24.0	0.0	
15	QPSK	1	1	23.43	23.41	23.43	24.0	0.0	
Channel									
				S03009	S16008	S10005	Turn-up time	MFR	
				23.00	23.45	23.20	24.0	0.0	
10	QPSK	1	1	23.52	23.47	23.53	24.0	0.0	

n48_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac)	Power Mod Ch. 1 (Frac)	Power High Ch. 1 (Frac)	Turn-up time (dBm)	MFR (dB)	
Channel									
	Frequency (MHz)			845000	841666	845332			
40	P102 BPSK	1	1	22.53	22.18	22.59			
40	P102 BPSK	1	53	21.97	21.98	21.95	23.0	0.0	
40	P102 BPSK	1	104	21.97	22.12	22.59			
40	P102 BPSK	50	0	21.97	22.01	21.88	23.0	0.0	
40	P102 BPSK	50	26	22.54	22.13	22.89	23.0	0.0	
40	P102 BPSK	50	86	21.95	22.01	21.85	23.0	0.0	
40	QPSK	1	1	22.55	22.38	22.27			
40	QPSK	1	53	21.95	22.50	21.87	23.0	0.0	
40	QPSK	1	104	22.11	22.15	22.11			
40	QPSK	50	0	21.95	22.01	21.85	23.0	0.0	
40	QPSK	50	26	22.55	22.15	22.15	23.0	0.0	
40	QPSK	50	86	21.95	22.02	21.85	23.0	0.0	
40	QPSK	100	0	22.55	22.15	22.37			
40	16QAM	1	1	21.95	22.11	22.35	23.0	0.0	
40	256QAM	1	1	19.49	19.43	19.35	20.0	0.5	
Channel									
	Frequency (MHz)			843748	841666	843558	Turn-up time (dBm)	MFR	
50	QPSK	1	1	22.66	22.26	22.15	23.0	0.0	
Channel									
	Frequency (MHz)			843748	841666	843558	Turn-up time (dBm)	MFR	
20	QPSK	1	1	22.09	22.07	22.09	23.0	0.0	
Channel									
	Frequency (MHz)			843748	841666	843558	Turn-up time (dBm)	MFR	
15	QPSK	1	1	22.42	22.59	22.34	23.0	0.0	
Channel									
	Frequency (MHz)			843700	841666	843532	Turn-up time (dBm)	MFR	
10	QPSK	1	1	22.40	22.21	22.35	23.0	0.0	

n48_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac)	Power Modulo Ch. 1 (Frac)	Power High Ch. 1 (Frac)	Turnup time (dBm)	MFR (dB)	
Channel									
				845000	841666	845332			
Frequency (MHz)									
40	P102 BPSK	1	1	21.94	21.69	21.63			
40	P102 BPSK	1	53	21.60	21.68	21.63	23.0	0.0	
40	P102 BPSK	1	104	21.65	21.71	21.65			
40	P102 BPSK	50	0	21.69	21.17	21.55	22.5	0.5	
40	P102 BPSK	50	26	21.69	21.73	21.59	23.0	0.0	
40	P102 BPSK	50	86	21.67	21.18	21.55	22.5	0.5	
40	P102 BPSK	100	0	21.24	21.28	21.19			
40	QPSK	1	1	21.69	21.72				
40	QPSK	1	53	21.65	21.72	21.65	23.0	0.0	
40	QPSK	1	104	21.69	21.72	21.65			
40	QPSK	50	0	20.52	20.68	20.53			
40	QPSK	50	26	21.07	21.72	21.65	23.0	0.0	
40	QPSK	50	86	20.42	20.65	20.55	22.0	1.0	
40	QPSK	100	0	20.71	20.75	20.65			
40	16QAM	1	1	20.44	20.59	20.53	22.0	1.0	
40	16QAM	1	1	19.01	19.10	19.00	20.5	2.5	
40	256QAM	1	1	17.00	17.11	16.99	19.5	4.5	
Channel									
				845002	841668	845334			
Frequency (MHz)									
30	QPSK	1	1	21.40	21.74	21.63	23.0	0.0	
Channel									
				845001	841667	845333			
Frequency (MHz)									
20	QPSK	1	1	21.42	21.73	21.64	23.0	0.0	
Channel									
				843748	841666	843558			
Frequency (MHz)									
15	QPSK	1	1	21.53	21.73	21.64	23.0	0.0	
Channel									
				843700	841666	843532			
Frequency (MHz)									
10	QPSK	1	1	21.50	21.69	21.60	23.0	0.0	
10	QPSK	1	1	21.57	21.71	21.71	23.0	0.0	

Part27Q_n77_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac)	Power Modulo Ch. 1 (Frac)	Power High Ch. 1 (Frac)	Turn-up time (dBm)	MFR (dB)	
Channel									
				833332					
Frequency (MHz)				8333					
100	P102 BPSK	1	1	23.31					
100	P102 BPSK	1	137	23.22			24.0	0.0	
100	P102 BPSK	1	271	23.52					
100	P102 BPSK	135	0	23.30			24.0	0.0	
100	P102 BPSK	135	89	23.29			24.0	0.0	
100	P102 BPSK	135	138	23.23			24.0	0.0	
100	P102 BPSK	270	0	23.21			24.0	0.0	
100	QPSK	1	1	23.54					
100	QPSK	1	137	23.19			24.0	0.0	
100	QPSK	1	271	23.27					
100	QPSK	135	0	23.22			24.0	0.0	
100	QPSK	135	89	23.31					
100	QPSK	135	138	23.54					
100	QPSK	270	0	23.28			24.0	0.0	
100	16QAM	1	1	23.19			24.0	0.0	
100	16QAM	1	1	23.22			24.0	0.0	
100	256QAM	1	1	21.95			22.0	1.5	
Channel									
Frequency (MHz)				8333.00	8333.00	8333.00			
90	QPSK	1	1	23.23	23.28	23.25	24.0	0.0	
Channel									
Frequency (MHz)				8340.02	8339.99	8340.00			
80	QPSK	1	1	23.20	23.18	23.22	24.0	0.0	
Channel									
Frequency (MHz)				834334	834332	834332			
70	QPSK	1	1	23.19	23.22	23.29	24.0	0.0	
Channel									
Frequency (MHz)				834000	834332	834400			
60	QPSK	1	1	23.11	23.25	23.19	24.0	0.0	
Channel									
Frequency (MHz)				834100	834332	834300			
50	QPSK	1	1	23.22	23.16	23.24	24.0	0.0	
Channel									
Frequency (MHz)				834331	834331	834331			
40	QPSK	1	1	23.08	23.14	23.20	24.0	0.0	
Channel									
Frequency (MHz)				834531	834332	834332			
30	QPSK	1	1	23.19	23.19	23.19	24.0	0.0	
Channel									
Frequency (MHz)				834834	834332	834832			
25	QPSK	1	1	23.15	23.17	23.23	24.0	0.0	
Channel									
Frequency (MHz)				834866	834332	834800			
20	QPSK	1	1	23.11	23.18	23.11	24.0	0.0	
Channel									
Frequency (MHz)				835000	834332	835100			
15	QPSK	1	1	23.20	23.17	23.14	24.0	0.0	
Channel									
Frequency (MHz)				835131	834332	835132			
10	QPSK	1	1	23.19	23.23	23.24	24.0	0.0	

Part27Q_n77_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Frac)	Power Modulo Ch. 1 (Frac)	Power High Ch. 1 (Frac)	Time-up time (ms)	MFRS	
Channel									
Frequency (MHz)				900000	900000	900000			
100	PVQ-MQAM	1	1	22.62	22.67	22.68			
100	PVQ-MQAM	1	157	22.67	22.70	22.68			
100	PVQ-MQAM	1	271	22.67	22.70	22.68	24.0	0.0	
100	PVQ-MQAM	139	0	22.61	22.59	22.58	24.0	0.0	
100	PVQ-MQAM	139	138	22.61	22.59	22.58	24.0	0.0	
100	PVQ-MQAM	138	138	22.70	22.70	22.69	24.0	0.0	
100	PVQ-MQAM	270	0	22.64	22.64	22.63	24.0	0.0	
100	PVQ-MQAM	270	270	22.63	22.63	22.62	24.0	0.0	
100	QPSK	1	157	22.69	22.61	22.62	24.0	0.0	
100	QPSK	1	271	22.68	22.67	22.64			
100	QPSK	139	0	22.68	22.67	22.62			
100	QPSK	139	138	22.68	22.67	22.62	24.0	0.0	
100	QPSK	270	0	22.67	22.68	22.60	24.0	0.0	
100	TFQAM	1	271	22.71	22.71	22.62	24.0	0.0	
100	TFQAM	1	271	22.71	22.69	22.62	24.0	0.0	
100	256QAM	1	1	21.76	21.69	21.62	22.0	1.5	
Frequency (MHz)									
				3045.00	30.40	304.50			
50	QPSK	1	1	22.69	22.60	22.55	24.0	0.0	
Frequency (MHz)									
				3045.00	30.40	304.50			
80	QPSK	1	1	22.69	22.61	22.62	44.0	0.0	
Frequency (MHz)									
				3045.00	30.40	304.50			
70	QPSK	1	1	22.69	22.62	22.64	24.0	0.0	
Frequency (MHz)									
				3045.00	30.40	304.50			
60	QPSK	1	1	22.69	22.60	22.58	24.0	0.0	
Frequency (MHz)									
				3045.00	30.40	304.50			
50	QPSK	1	1	22.70	22.72	22.70	24.0	0.0	
Frequency (MHz)									
				3045.00	30.40	304.50			
40	QPSK	1	1	22.67	22.61	22.57	24.0	0.0	
Frequency (MHz)									
				3045.00	30.40	304.50			
30	QPSK	1	1	22.68	22.71	22.67	24.0	0.0	
Frequency (MHz)									
				3045.00	30.40	304.50			
25	QPSK	1	1	22.57	22.69	22.67	24.0	0.0	
Frequency (MHz)									
				3045.00	30.40	304.50			
20	QPSK	1	1	22.63	22.67	22.67	44.0	0.0	
Frequency (MHz)									
				3045.00	30.40	304.50			
16	QPSK	1	1	22.67	22.66	22.64	24.0	0.0	
Frequency (MHz)									
				3045.00	30.40	304.50			
10	QPSK	1	1	22.60	22.52	22.50	24.0	0.0	

Part27Q(HPUE)_n77_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Mids Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	25.24					
100	P12-BPSK	1	137	26.17			27.0	0.0	
100	P12-BPSK	1	271	26.16			26.5	0.5	
100	P12-BPSK	135	0	25.78			27.0	0.0	
100	P12-BPSK	135	86	26.16			27.0	0.0	
100	P12-BPSK	135	158	25.92			26.5	0.5	
100	P12-BPSK	270	0	25.87					
100	QPSK	1	1	25.32					
100	QPSK	1	137	25.37			27.0	0.0	
100	QPSK	1	271	26.16					
100	QPSK	135	0	25.28			27.0	0.0	
100	QPSK	135	86	26.07					
100	QPSK	135	158	26.12			26.0	1.0	
100	QPSK	270	0	25.37					
100	16QAM	1	1	25.43			26.0	1.0	
100	16QAM	1	1	23.92			24.5	2.5	
100	256QAM	1	1	21.49			22.0	4.5	
Frequency (MHz)									
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.27	25.21	25.21	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.23	25.17	25.16	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.21	25.12	25.09	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.20	25.17	25.17	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.21	25.17	25.26	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.20	25.17	25.27	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.19	25.16	25.27	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.21	25.21	25.23	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.23	25.22	25.19	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.24	25.20	25.22	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.21	25.19	25.18	27.0	0.0	

Part27Q(HPUE)_n77_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Mids Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	25.29	25.72	25.85			
100	P12-BPSK	1	137	25.49	25.83	25.97	27.0	0.0	
100	P12-BPSK	1	271	25.29	25.34	25.35			
100	P12-BPSK	135	0	25.55	25.58	25.52	26.5	0.5	
100	P12-BPSK	135	86	25.41	25.56	25.55	27.0	0.0	
100	P12-BPSK	135	158	25.43	25.85	25.71	26.5	0.5	
100	P12-BPSK	270	0	25.57	25.88	25.54			
100	QPSK	1	1	25.42	25.72				
100	QPSK	1	137	25.15	25.28	25.21	27.0	0.0	
100	QPSK	1	271	25.55	25.84	25.55			
100	QPSK	135	0	24.35	24.43	24.34	27.0	0.0	
100	QPSK	135	86	25.09	25.11	25.09			
100	QPSK	135	158	24.42	24.56	24.35	26.0	1.0	
100	QPSK	270	0	24.29	24.42	24.31			
100	16QAM	1	1	24.41	24.47	24.34	26.0	1.0	
100	16QAM	1	1	23.15	23.22	23.17	24.5	2.5	
100	256QAM	1	1	21.39	21.89	21.60	22.0	4.5	
Channel									
Frequency (MHz)									
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.61	25.70	25.66	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.62	25.70	25.62	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.52	25.61	25.60	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.48	25.58	25.65	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.50	25.56	25.60	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.45	25.72	25.36	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.54	25.60	25.69	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.52	25.72	25.67	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.64	25.72	25.65	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.58	25.85	25.54	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.68	25.72	25.57	27.0	0.0	

Part27Q_n77_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Mids Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1		22.37				
100	P12-BPSK	1	137		22.48		24.0	0.0	
100	P12-BPSK	1	271		22.46				
100	P12-BPSK	135	0		22.48		24.0	0.0	
100	P12-BPSK	135	86		22.38		24.0	0.0	
100	P12-BPSK	135	158		22.43		24.0	0.0	
100	P12-BPSK	270	0		22.58				
100	QPSK	1	1		22.45				
100	QPSK	1	137		22.37		24.0	0.0	
100	QPSK	1	271		22.37				
100	QPSK	135	0		22.35		24.0	0.0	
100	QPSK	135	86		22.58				
100	QPSK	135	158		22.45		24.0	0.0	
100	QPSK	270	0		22.58				
100	16QAM	1	1		22.58		24.0	0.0	
100	16QAM	1	1		22.32		24.0	0.0	
100	256QAM	1	1		20.95		22.0	1.5	
Channel									
Frequency (MHz)									
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.48	22.47	22.45	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.42	22.37	22.41	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.39	22.45	22.39	24.0	0.0	

Part270_n78_Ant 0								
Set (MHz)	Modulation	RB Size	RB Offset	Ch. Power Ch. Power	Power Margin Ch. Power	Power Margin Ch. Power	Turn-up time (s)	MPR (dB)
Channel								
Frequency (MHz)				37500				
150	PSK BPSK	1	1	22.37				
150	PSK BPSK	1	157	22.67			24.0	0.0
150	PSK BPSK	1	211	22.67			24.0	0.0
150	PSK BPSK	133	0	23.03			24.0	0.0
150	PSK BPSK	133	156	23.03			24.0	0.0
150	PSK BPSK	135	198	22.58			24.0	0.0
150	QPSK	270	0	22.68			24.0	0.0
150	QPSK	270	156	22.68			24.0	0.0
150	QPSK	1	137	22.86			24.0	0.0
150	QPSK	1	221	22.86			24.0	0.0
150	QPSK	135	0	22.58			24.0	0.0
150	QPSK	135	186	23.03			24.0	0.0
150	QPSK	270	0	22.68			24.0	0.0
150	SSB/AM	1	1	21.62			22.5	1.8
150	SSB/AM	1	1	21.62			22.5	1.8
Channel								
Frequency (MHz)				37550	0.0025			
50	QPSK	1	1	23.85	22.91	22.93	24.0	0.0
50	QPSK	1	1	23.88	22.91	22.93	24.0	0.0
80	QPSK	1	1	23.69	22.81	22.82	24.0	0.0
80	QPSK	1	1	23.69	22.81	22.82	24.0	0.0
Frequency (MHz)				37610	0.0025			
70	QPSK	1	1	23.84	22.83	22.87	24.0	0.0
Channel								
Frequency (MHz)				37650	0.0025			
60	QPSK	1	1	22.90	22.80	22.81	24.0	0.0
60	QPSK	1	1	22.90	22.80	22.81	24.0	0.0
50	QPSK	1	1	22.88	22.78	22.77	24.0	0.0
Channel								
Frequency (MHz)				37690	0.0025			
40	QPSK	1	1	22.95	22.87	22.90	24.0	0.0
Channel								
Frequency (MHz)				37730	0.0025			
30	QPSK	1	1	22.85	22.80	22.87	24.0	0.0
20	QPSK	1	1	22.82	22.80	22.87	24.0	0.0
Channel								
Frequency (MHz)				37770	0.0025			
25	QPSK	1	1	22.84	22.82	22.80	24.0	0.0
20	QPSK	1	1	22.82	22.80	22.87	24.0	0.0
Channel								
Frequency (MHz)				37810	0.0025			
15	QPSK	1	1	22.80	22.78	22.84	24.0	0.0
15	QPSK	1	1	22.80	22.77	22.85	24.0	0.0
Channel								
Frequency (MHz)				37850	0.0025			
10	QPSK	1	1	22.80	22.77	22.85	24.0	0.0

Part27Q(HPUE)_n78_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Media Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dBm)	MPH (dB)	
Channel									
653332									
Frequency (MHz)									
3454.98									
100	P12 BPSK	1	1	25.22					
100	P12 BPSK	1	137	25.89			27.0	0.0	
100	P12 BPSK	1	271	26.56					
100	P12 BPSK	135	0	25.47			26.5	0.5	
100	P12 BPSK	135	89	25.95			27.0	0.0	
100	P12 BPSK	135	138	25.45			26.5	0.5	
100	P12 BPSK	270	0	25.49					
100	QPSK	1	1	25.22					
100	QPSK	1	137	25.93			27.0	0.0	
100	QPSK	1	271	26.05					
100	QPSK	135	0	25.53			27.0	0.0	
100	QPSK	135	89	25.92					
100	QPSK	135	138	25.56					
100	QPSK	270	0	25.58			26.0	1.0	
100	16QAM	1	1	25.14			26.0	1.0	
100	16QAM	1	1	23.70			24.5	2.5	
100	256QAM	1	1	21.69			22.0	4.5	
Frequency (MHz)									
3455.02									
50	QPSK	1	1	25.13	26.18	26.19	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
80	QPSK	1	1	25.13	26.18	26.19	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
70	QPSK	1	1	25.24	26.14	26.13	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
60	QPSK	1	1	26.11	26.17	26.18	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
50	QPSK	1	1	26.19	26.12	26.21	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
40	QPSK	1	1	26.22	26.15	26.17	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
30	QPSK	1	1	26.20	26.15	26.16	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
25	QPSK	1	1	26.15	26.14	26.15	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
20	QPSK	1	1	26.12	26.14	26.16	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
15	QPSK	1	1	26.18	26.22	26.15	27.0	0.0	
Channel									
Frequency (MHz)									
3455.01									
10	QPSK	1	1	26.15	26.12	26.20	27.0	0.0	

Part27Q(HPUE)_n78_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Media Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dBm)	MPH (dB)	
Channel									
650000									
Frequency (MHz)									
3454.98									
100	P12 BPSK	1	1	25.10					
100	P12 BPSK	1	137	25.86			27.0	0.0	
100	P12 BPSK	1	271	25.97					
100	P12 BPSK	135	0	25.49			26.5	0.5	
100	P12 BPSK	135	89	25.97			27.0	0.0	
100	P12 BPSK	135	138	25.39			26.5	0.5	
100	P12 BPSK	270	0	25.38					
100	QPSK	1	1	25.10					
100	QPSK	1	137	25.93			27.0	0.0	
100	QPSK	1	271	26.01					
100	QPSK	135	0	25.55			27.0	0.0	
100	QPSK	135	89	25.93					
100	QPSK	135	138	25.60					
100	QPSK	270	0	25.63			26.0	1.0	
100	16QAM	1	1	25.12			26.0	1.0	
100	16QAM	1	1	23.66			24.5	2.5	
100	256QAM	1	1	21.62			22.0	4.5	
Frequency (MHz)									
3455.02									
50	QPSK	1	1	25.09	26.06	26.07	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
80	QPSK	1	1	25.10	26.06	26.07	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
70	QPSK	1	1	25.27	26.05	26.04	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
60	QPSK	1	1	25.09	26.01	26.05	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
50	QPSK	1	1	26.09	26.12	26.08	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
40	QPSK	1	1	26.05	26.10	26.01	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
30	QPSK	1	1	26.10	26.05	26.06	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
25	QPSK	1	1	26.05	26.03	26.05	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
20	QPSK	1	1	26.09	26.05	26.06	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
15	QPSK	1	1	26.09	25.99	26.00	27.0	0.0	
Channel									
Frequency (MHz)									
3455.02									
10	QPSK	1	1	26.05	26.01	26.01	27.0	0.0	

Part27Q_n78_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Min Ch. (Frac.)	Power Mid Ch. (Frac.)	Power Max Ch. (Frac.)	Turn-up time (dBm)	MPH (dB)	
Channel									
653332									
Frequency (MHz)									
3454.98									
100	P12 BPSK	1	1	22.43					
100	P12 BPSK	1	137		22.38		24.0	0.0	
100	P12 BPSK	1	275		22.35		24.0	0.0	
100	P12 BPSK	155	0		22.30		24.0	0.0	
100	P12 BPSK	155	136		22.25		24.0	0.0	
100	P12 BPSK	275	0		22.44		24.0	0.0	
100	QPSK	1	1	22.43					
100	QPSK	1	137		22.38		24.0	0.0	
100	QPSK	1	275		22.35		24.0	0.0	
100	QPSK	155	0		22.30		24.0	0.0	
100	QPSK	155	136		22.40		24.0	0.0	
100	QPSK	275	0		22.45		24.0	0.0	
100	HQDM	1	1	22.43					
100	HQDM	1	137		22.38		24.0	0.0	
100	HQDM	1	275		22.35		24.0	0.0	
100	HQDM	155	0		22.30		24.0	0.0	
100	HQDM	155	136		22.40		24.0	0.0	
100	HQDM	275	0		22.45		24.0	0.0	
100	SSBDM	1	1	22.15		22.5	1.5		
Channel									
653332									
Frequency (MHz)									
3454.98									
30	QPSK	1	1	22.35	22.43	22.50	24.0	0.0	
30	QPSK	1	137		22.35	22.43	22.50	24.0	0.0
30	QPSK	1	275		22.35	22.43	22.50	24.0	0.0
30	QPSK	155	0		22.35	22.43	22.50	24.0	0.0
30	QPSK	155	136		22.35	22.43	22.50	24.0	0.0
30	QPSK	275	0		22.35	22.43	22.50	24.0	0.0
30	QPSK	275	136		22.35	22.43	22.50	24.0	0.0
30	QPSK	1	1	22.33	22.41	22.49	24.0	0.0	
30	QPSK	1	137		22.33	22.41	22.49	24.0	0.0
30	QPSK	1	275		22.33	22.41	22.49	24.0	0.0
30	QPSK	155	0		22.33	22.41	22.49	24.0	0.0
30	QPSK	155	136		22.33	22.41	22.49	24.0	0.0
30	QPSK	275	0		22.33	22.41	22.49	24.0	0.0
30	QPSK	275	136		22.33	22.41	22.49	24.0	0.0
30	QPSK	1	1	22.31	22.41	22.51	24.0	0.0	
30	QPSK	1	137		22.31	22.41	22.51	24.0	0.0
30	QPSK	1	275		22.31	22.41	22.51	24.0	0.0
30	QPSK	155	0		22.31	22.41	22.51	24.0	0.0
30	QPSK	155	136		22.31	22.41	22.51	24.0	0.0
30	QPSK	275	0		22.31	22.41	22.51	24.0	0.0
30	QPSK	275	136		22.31	22.41	22.51	24.0	0.0
30	QPSK	1	1	22.29	22.41	22.51	24.0	0.0	
30	QPSK	1	137		22.29	22.41	22.51	24.0	0.0
30	QPSK	1	275		22.29	22.41	22.51	24.0	0.0
30	QPSK	155	0		22.29	22.41	22.51	24.0	0.0
30	QPSK	155	136		22.29	22.41	22.51	24.0	0.0
30	QPSK	275	0		22.29	22.41	22.51	24.0	0.0
30	QPSK	275	136		22.29	22.41	22.51	24.0	0.0
30	QPSK	1	1	22.27	22.41	22.51	24.0	0.0	
30	QPSK	1	137		22.27	22.41	22.51	24.0	0.0
30	QPSK	1	275		22.27	22.41	22.51	24.0	0.0
30	QPSK	155	0		22.27	22.41	22.51	24.0	0.0
30	QPSK	155	136		22.27	22.41	22.51	24.0	0.0
30	QPSK	275	0		22.27	22.41	22.51	24.0	0.0
30	QPSK	275	136		22.27	22.41	22.51	24.0	0.0
30	QPSK	1	1	22.25	22.41	22.51	24.0	0.0	
30	QPSK	1	137		22.25	22.41	22.51	24.0	0.0
30	QPSK	1	275		22.25	22.41	22.51	24.0	0.0
30	QPSK	155	0		22.25	22.41	22.51	24.0	0.0
30	QPSK	155	136		22.25	22.41	22.51	24.0	0.0
30	QPSK	275	0		22.25	22.41	22.51	24.0	0.0
30	QPSK	275	136		22.25	22.41	22.51	24.0	0.0
30	QPSK	1	1	22.23	22.41	22.51	24.0	0.0	
30	QPSK	1	137		22.23	22.41	22.51	24.0	0.0
30	QPSK	1	275		22.23	22.41	22.51	24.0	0.0
30	QPSK	155	0		22.23	22.41	22.51	24.0	0.0
30	QPSK	155	136		22.23	22.41	22.51	24.0	0.0
30	QPSK	275	0		22.23	22.41	22.51	24.0	0.0
30	QPSK	275	136		22.23	22.41	22.51	24.0	0.0
30	QPSK	1	1	22.21	22.41	22.51	24.0	0.0	
30	QPSK	1	137		22.21	22.41	22.51	24.0	0.0
30	QPSK	1	275		22.21	22.41	22.51	24.0	0.0
30	QPSK	155	0		22.21	22.41	22.51	24.0	0.0
30	QPSK	155	136		22.21	22.41	22.51	24.0	0.0
30	QPSK	275	0		22.21	22.41	22.51	24.0	0.0
30	QPSK	275	136		22.21	22.41	22.51	24.0	0.0
30	QPSK	1	1	22.19	22.41	22.51	24.0	0.0	
30	QPSK	1	137		22.19	22.41	22.51	24.0	0.0
30	QPSK	1	275		22.19	22.41	22.51	24.0	0.0
30	QPSK	155	0		22.19	22.41	22.51	24.0	0.0
30	QPSK	155	136		22.19	22.41	22.51	24.0	0.0
30	QPSK	275	0		22.19	22.41	22.51	24.0	0.0
30	QPSK	275	136		22.19	22.41	22.51	24.0	0.0
30	QPSK	1	1	22.17	22.41	22.51	24.0	0.0	
30	QPSK	1	137		22.17	22.41	22.51	24.0	0.0
30	QPSK	1	275		22.17	22.41	22.51	24.0	0.0
30	QPSK	155	0		22.17	22.41	22.51	24.0	0.0
30	QPSK	155	136		22.17	22.41	22.51	24.0	0.0
30	QPSK	275	0		22.17	22.41	22.51	24.0	0.0
30	QPSK	275	136		22.17	22.41	22.51	24.0	0.0
30	QPSK	1	1	22.15	22.41	22.51	24.0	0.0	
30	QPSK	1	137		22.15	22.41	22.51	24.0	0.0
30	QPSK	1	275		22.15	22.41	22.51	24.0	0.0
30	QPSK	155	0		22.15	22.41	22.51	24.0	0.0
30	QPSK	155	136		22.15	22.41	22.51	24.0	0.0
30	QPSK	275	0		22.15	22.41	22.51	24.0	0.0
30	QPSK	275	136		22.15	22.41	22.51	24.0	0.0
30	QPSK	1	1	22.13	22.41	22.51	24.0	0.0	
30	QPSK	1	137		22.13	22.41	22.51	24.0	0.0
30	QPSK	1	275		22.13	22.41	22.51	24.0	0.0
30	QPSK	155	0		22.13	22.41	22.51	24.0	0.0
30	QPSK	155	136		22.13	22.41	22.51	24.0	0.0
30	QPSK	275	0		22.13	22.41	22.51	24.0	0.0
30	QPSK	275	136		22.13	22.41	22.51	24.0	0.0
30	QPSK	1	1	22.11	22.41	22.51	24.0	0.0	
30	QPSK	1	137		22.11	22.41	22.51	24.0	0.0
30	QPSK	1	275		22.11	22.41	22.51	24.0	0.0
30	QPSK	155	0		22.11	22.41	22.51	24.0	0.0
30	QPSK	155	136		22.11	22.41	22.51	24.0	0.0
30	QPSK	275	0		22.11	22.41	22.51	24.0	0.0
30	QPSK	275	136		22.11	22.41	22.51	24.0	0.0
30	QPSK	1	1	22.09	22.41	22.51	24.0	0.0	
30	QPSK	1	137		22.09	22.41	22.51	24.0	0.0
30	QPSK	1	275		22.09	22.41	22.51	24.0	0.0
30	QPSK	155	0		22.09	22.41	22.51	24.0	0.0
30	QPSK	155	136		22.09	22.41	22.51	24.0	0.0
30	QPSK	275	0		22.09	22.41	22.51	24.0	0.0
30	QPSK	275	136		22.09	22.41	22.51	24.0	0.0
30	QPSK	1	1	22.07	22.41	22.51	24.0	0.0	
30	QPSK	1	137		22.07	22.41	22.51	24.0	0.0
30	QPSK	1	275		22.07	22.41	22.51	24.0	0.0
30	QPSK	155	0		22.07	22.41	22.51	24.0	0.0
30	QPSK	155	136		22.07	22.41	22.51	24.0	0.0
30	QPSK	275	0		22.07	22.41	22.51	24.0	0.0
30	QPSK	275	136		22.07	22.41	22.51	24.0	0.0
30	QPSK	1	1	22.05	22.41	22.51	24.0	0.0	
30	QPSK	1	137		22.05	22.41	22.51	24.0	0.0
30	QPSK	1	275		22.05	22.41	22.51	24.0	0.0
30	QPSK	155	0		22.05	22.41	22.51	24.0	0.0
30	QPSK	155	136		22.05	22.41	22.51	24.0	0.0
30	QPSK	275	0		22.05	22.41	22.51	24.0	0.0
30	QPSK	275	136		22.05	22.41	22.51	24.0	0.0
30	QPSK	1	1	22.03	22.41	22.51	24.0	0.0	
30	QPSK	1	137		22.03	22.41	22.51	24.0	0.0
30	QPSK	1	275		22.03	22.41	22.51	24.0	0.0
30	QPSK	155	0		22.03	22.41	22.51	24.0	0.0
30	QPSK	155	136		22.03	22.41	22.51	24.0	0.0
30	QPSK	275	0		22.03	22.41	22.51	24.0	0.0
30	QPSK	275	136		22.03	22.41	22.51	24.0	0.0
30	QPSK	1	1	22.01	22.41	22.51	24.0	0.0	
30	QPSK	1	137		22.01	22.41	22.51	24.0	0.0
30	QPSK	1	275		22.01	22.41	22.51	24.0	0.0
30	QPSK	155	0		22.01	22.41	22.51	24.0	0.0
30	QPSK	155	136		22.01	22.41	22.51	24.0	0.0
30	QPSK	275	0		22.01	22.41	22.51	24.0	0.0
30	QPSK	275	136		22.01	22.41	22.51	24.0	0.0
30	QPSK	1	1	21.99	22.41	22.51	24.0	0.0	
30	QPSK	1	137		21.99	22.41	2		

Part27Q(HPUE)_n78_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Media Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up limit (dBm)	MPE (dB)		
Channel										
				633332						
Frequency (MHz)										
100	P12-BPSK	1	1		25.52			27.0	0.0	
100	P12-BPSK	1	137		25.36					
100	P12-BPSK	1	271		25.42			26.5	0.5	
100	P12-BPSK	135	0		24.83					
100	P12-BPSK	135	86		25.32			27.0	0.0	
100	P12-BPSK	135	135		25.37					
100	P12-BPSK	270	0		24.79			26.5	0.5	
100	QPSK	1	1		25.24					
100	QPSK	1	137		25.20			27.0	0.0	
100	QPSK	1	271		25.23					
100	QPSK	135	0		25.25			27.0	0.0	
100	QPSK	135	86		25.16					
100	QPSK	135	135		25.27			26.0	1.0	
100	QPSK	270	0		24.72					
100	16QAM	1	1		24.65			26.0	1.0	
100	16QAM	1	1		25.10					
100	256QAM	1	1		25.15			25.5	2.5	
100	256QAM	1	1		25.15					
Channel				633332						
Frequency (MHz)										
90	QPSK	1	1		25.49	25.51	25.44	27.0	0.0	
Channel				633332						
Frequency (MHz)										
80	QPSK	1	1		25.52	25.48	25.50	27.0	0.0	
Channel				633334		633332	634330			
Frequency (MHz)										
70	QPSK	1	1		25.53	25.47	25.49	27.0	0.0	
Channel				633330		633332	634668			
Frequency (MHz)										
60	QPSK	1	1		25.45	25.45	25.50	27.0	0.0	
Channel				633666		633332	635000			
Frequency (MHz)										
50	QPSK	1	1		25.43	25.42	25.39	27.0	0.0	
Channel				633732		633332	633732			
Frequency (MHz)										
40	QPSK	1	1		25.47	25.46	25.46	27.0	0.0	
Channel				633900		633332	633900			
Frequency (MHz)										
30	QPSK	1	1		25.53	25.50	25.49	27.0	0.0	
Channel				633934		633332	635930			
Frequency (MHz)										
25	QPSK	1	1		25.43	25.47	25.50	27.0	0.0	
Channel				633966		633332	636000			
Frequency (MHz)										
20	QPSK	1	1		25.42	25.41	25.41	27.0	0.0	
Channel				633990		633332	636198			
Frequency (MHz)										
15	QPSK	1	1		25.51	25.43	25.43	27.0	0.0	
Channel				634510		633332	634510			
Frequency (MHz)										
10	QPSK	1	1		25.50	25.42	25.50	27.0	0.0	
Channel				634530		633332	634530			

Part27Q(HPUE)_n78_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Media Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up limit (dBm)	MPE (dB)			
Frequency (MHz)											
100	P12-BPSK	1	1		25.50			27.0	0.0		
100	P12-BPSK	1	137		25.36						
100	P12-BPSK	1	271		25.26			26.5	0.5		
100	P12-BPSK	135	0		24.83						
100	P12-BPSK	135	86		25.32			27.0	0.0		
100	P12-BPSK	135	135		25.35						
100	P12-BPSK	270	0		24.89			26.5	0.5		
100	QPSK	1	1		25.24						
100	QPSK	1	137		25.24			27.0	0.0		
100	QPSK	1	271		25.28						
100	QPSK	135	0		25.24			27.0	0.0		
100	QPSK	135	86		25.21						
100	QPSK	135	135		25.21			26.0	1.0		
100	QPSK	270	0		24.90						
100	16QAM	1	1		24.88			26.0	1.0		
100	16QAM	1	1		25.11						
100	256QAM	1	1		25.12			25.5	2.5		
100	256QAM	1	1		25.12						
Channel				630000		630000					
Frequency (MHz)											
90	QPSK	1	1		25.57	25.54	25.52	27.0	0.0		
Channel				630000		630000					
Frequency (MHz)											
80	QPSK	1	1		25.57	25.48	25.52	27.0	0.0		
Channel				630000		630000					
Frequency (MHz)											
70	QPSK	1	1		25.57	25.49	25.53	27.0	0.0		
Channel				630000		630000					
Frequency (MHz)											
60	QPSK	1	1		25.59	25.52	25.49	27.0	0.0		
Channel				630000		630000					
Frequency (MHz)											
50	QPSK	1	1		25.54	25.54	25.47	27.0	0.0		
Channel				630000		630000					
Frequency (MHz)											
40	QPSK	1	1		25.57	25.61	25.47	27.0	0.0		
Channel				630000		630000					
Frequency (MHz)											
30	QPSK	1	1		25.49	25.50	25.43	27.0	0.0		
Channel				630000		630000					
Frequency (MHz)											
25	QPSK	1	1		25.43	25.49	25.49	27.0	0.0		
Channel				630000		630000					
Frequency (MHz)											
20	QPSK	1	1		25.48	25.58	25.61	27.0	0.0		
Channel				630000		630000					
Frequency (MHz)											
15	QPSK	1	1		25.47	25.60	25.52	27.0	0.0		
Channel				630000		630000					
Frequency (MHz)											
10	QPSK	1	1		25.54	25.58	25.55	27.0	0.0		
Channel				630000		630000					

Reduced Power Mode for Sensor On_ Standalone

[illegible]

n2_Ant 1 (DSI 5)								
Exp [MHz]	Modulation	RIS Size	RIS Offset	Power Min [Ch / Freq]	Power Max [Ch / Freq]	Power Low [Ch / Freq]	Sampling Rate [dB]	SNR [dB]
Channel								
Frequency [MHz]				1870	1890	1890		
40	PSK BPSK	1	1	20.19	22.25	22.11		
40	PSK BPSK	1	108	22.25	22.25	22.11	24.0	0.0
40	PSK BPSK	1	214	22.01	22.01	22.07		
40	PSK BPSK	1	108	22.07	22.07	22.01	22.0	0.0
40	PSK BPSK	108	54	22.08	22.01	22.00	22.0	0.0
40	PSK BPSK	108	108	21.55	21.57	21.56		
40	PSK BPSK	214	108	21.53	21.58	21.56	22.0	0.5
40	QPSK	1	1	22.12	22.25	22.05		
40	QPSK	1	108	22.25	22.25	22.05	24.0	0.0
40	QPSK	1	214	22.04	22.04	22.07		
40	QPSK	108	54	22.04	21.98	21.99	22.0	0.0
40	QPSK	108	108	21.48	21.11	21.07	22.0	1.0
40	QPSK	214	0	21.18	21.21	21.19		
40	16QAM	1	108	21.89	21.71	21.69	22.0	1.0
40	64QAM	1	108	19.56	19.54	19.59	21.5	2.0
40	256QAM	1	108	17.72	17.71	17.69	21.0	2.0
Channel								
Frequency [MHz]				37500	37500	37500		18 dB
35	QPSK	1	1	22.05	22.42	22.45	24.0	0.0
Channel				37500	37500	37500	Sampling Rate [dB]	18 dB
Frequency [MHz]				37500	37500	37500		18 dB
35	QPSK	1	1	22.47	22.50	22.42	24.0	0.0
Channel				37500	37500	37500	Sampling Rate [dB]	18 dB
Frequency [MHz]				37500	37500	37500		18 dB
25	QPSK	1	1	22.48	22.48	22.38	24.0	0.0
Channel				37500	37500	37500	Sampling Rate [dB]	18 dB
Frequency [MHz]				37500	37500	37500		18 dB
20	QPSK	1	1	22.39	22.50	22.45	24.0	0.0
Channel				37500	37500	37500	Sampling Rate [dB]	18 dB
Frequency [MHz]				37500	37500	37500		18 dB
15	QPSK	1	1	22.37	22.42	22.44	24.0	0.0
Channel				37500	37500	37500	Sampling Rate [dB]	18 dB
Frequency [MHz]				37500	37500	37500		18 dB
10	QPSK	1	1	22.38	22.42	22.44	24.0	0.0
Channel				37500	37500	37500	Sampling Rate [dB]	18 dB
Frequency [MHz]				37500	37500	37500		18 dB
5	QPSK	1	1	22.45	22.50	22.38	24.0	0.0

[illegible]

n5_Ant1(DSI 5)									
IR (MHz)	Modulation	RB Size	RB Offset	Power Low Freq. (dBm)	Power High Freq. (dBm)	Power Low Freq. (dBm)	Power High Freq. (dBm)	Transmitting (dBm)	MPE (dB)
Channel									
Frequency (MHz)				834	836.5	838	840		
20	PSS	180	0	-22.50	-22.50	-22.50	-22.50		
20	PSS	180	1	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	PSS	180	2	-22.50	-22.50	-22.50	-22.50		
20	PSS	180	3	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	PSS	180	4	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	PSS	180	5	-22.50	-22.50	-22.50	-22.50		
20	PSS	180	6	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	0	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	1	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	2	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	3	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	4	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	5	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	6	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	7	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	8	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	9	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	10	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	11	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	12	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	13	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	14	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	15	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	16	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	17	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	18	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	19	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	20	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	21	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	22	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	23	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	24	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	25	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	26	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	27	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	28	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	29	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	30	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	31	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	32	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	33	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	34	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	35	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	36	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	37	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	38	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	39	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	40	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	41	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	42	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	43	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	44	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	45	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	46	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	47	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	48	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	49	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	50	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	51	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	52	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	53	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	54	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	55	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	56	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	57	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	58	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	59	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	60	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	61	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	62	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	63	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	64	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	65	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	66	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	67	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	68	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	69	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	70	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	71	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	72	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	73	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	74	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	75	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	76	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	77	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	78	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	79	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	80	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	81	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	82	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	83	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	84	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	85	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	86	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	87	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	88	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	89	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	90	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	91	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	92	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	93	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	94	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	95	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	96	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	97	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	98	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	99	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	100	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	101	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	102	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	103	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	104	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	105	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	106	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	107	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	108	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	109	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	110	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	111	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	112	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	113	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	114	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	115	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	116	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	117	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	118	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	119	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	120	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	121	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	122	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	123	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	124	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	125	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	126	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	127	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	128	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	129	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	130	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	131	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	132	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS	1	133	-22.50	-22.50	-22.50	-22.50	24.0	0.0
20	CPSS	1	134	-22.50	-22.50	-22.50	-22.50		
20	CPSS	1	135	-22.50	-22.50	-22.50	-22.50	23.5	0.5
20	CPSS								

n7_Ant 0(DSI 1)							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	MPR (dB)
Channel							
Frequency (MHz)							
40	PUSC BPSK	1	1	23.08	23.09	23.07	
40	PUSC BPSK	1	108	23.09	23.12	23.09	24.0
40	PUSC BPSK	1	214	23.02	23.12	23.11	
40	PUSC BPSK	108	9	23.07	23.08	23.09	24.0
40	PUSC BPSK	108	54	23.10	23.15	23.05	24.0
40	PUSC BPSK	108	108	23.13	23.14	23.13	24.0
40	PUSC BPSK	216	9	23.07	23.14	23.03	0.0
40	QPSK	1	1	23.02	23.17	23.11	
40	QPSK	1	108	23.08	23.12	23.11	24.0
40	QPSK	1	214	23.05	23.08	23.05	
40	QPSK	108	9	23.02	23.08	23.03	24.0
40	QPSK	108	54	23.10	23.11	23.01	24.0
40	QPSK	108	108	23.09	23.08	23.07	24.0
40	QPSK	216	9	23.06	23.08	23.02	
40	16QAM	1	1	23.07	23.15	23.01	24.0
40	16QAM	1	1	23.04	23.10	23.03	24.0
40	16QAM	1	1	23.00	23.06	23.04	22.5
Channel							
Frequency (MHz)							
38	QPSK	1	1	23.39	23.08	23.07	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.30	23.10	22.29	0.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	23.01	23.10	23.05	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.29	23.10	23.02	24.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.34	23.14	22.33	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.39	23.07	23.02	24.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	23.00	23.09	23.01	24.0

n12_Ant 0(DSI 1)							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	MPR (dB)
Channel							
Frequency (MHz)							
15	PUSC BPSK	1	1	23.02	23.05	23.02	
15	PUSC BPSK	1	46	23.18	23.05	23.01	24.0
15	PUSC BPSK	1	77	23.48	23.01	23.07	
15	PUSC BPSK	36	9	23.46	23.02	23.46	24.0
15	PUSC BPSK	36	22	23.54	23.04	23.50	24.0
15	PUSC BPSK	36	43	23.52	23.03	23.45	24.0
15	PUSC BPSK	75	9	23.47	23.01	23.40	24.0
15	QPSK	1	1	23.07	23.09	23.04	
15	QPSK	1	46	23.56	23.02	23.56	24.0
15	QPSK	1	77	23.59	23.02	23.59	
15	QPSK	36	9	23.49	23.01	23.40	24.0
15	QPSK	36	22	23.53	23.01	23.51	24.0
15	QPSK	36	43	23.52	23.00	23.44	24.0
15	16QAM	1	1	23.53	23.02	23.59	24.0
15	16QAM	1	1	23.36	23.01	23.43	24.0
15	16QAM	1	1	23.00	22.72	22.99	22.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.53	23.64	23.51	24.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	23.52	23.61	23.51	24.0

n13_Ant 0(DSI 1)							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	MPR (dB)
Channel							
Frequency (MHz)							
10	PUSC BPSK	1	1	23.61			
10	PUSC BPSK	1	26	23.56			24.0
10	PUSC BPSK	1	50	23.61			
10	PUSC BPSK	25	9	23.62			24.0
10	PUSC BPSK	25	14	23.58			24.0
10	PUSC BPSK	25	27	23.62			24.0
10	PUSC BPSK	50	9	23.57			24.0
10	QPSK	1	1	23.60			
10	QPSK	1	26	23.61			24.0
10	QPSK	1	50	23.54			
10	QPSK	25	9	23.45			24.0
10	QPSK	25	14	23.55			24.0
10	QPSK	25	27	23.40			24.0
10	QPSK	50	9	23.61			24.0
10	16QAM	1	1	23.73			24.0
10	16QAM	1	1	23.64			23.0
10	16QAM	1	1	23.52			23.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	23.58	23.50	23.50	24.0

n14_Ant 4(DSI 3)							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	MPR (dB)
Channel							
Frequency (MHz)							
10	PUSC BPSK	1	1	23.65			
10	PUSC BPSK	1	26	23.57			24.0
10	PUSC BPSK	1	50	23.57			
10	PUSC BPSK	25	9	23.58			24.0
10	PUSC BPSK	25	14	23.54			24.0
10	PUSC BPSK	25	27	22.48			24.0
10	PUSC BPSK	50	9	23.53			24.0
10	QPSK	1	1	23.67			
10	QPSK	1	26	23.62			24.0
10	QPSK	1	50	23.56			
10	QPSK	25	9	23.50			24.0
10	QPSK	25	14	23.61			24.0
10	QPSK	25	27	22.40			24.0
10	QPSK	50	9	23.61			24.0
10	16QAM	1	1	23.70			24.0
10	16QAM	1	1	23.65			22.5
10	16QAM	1	1	23.48			22.5
Channel							
Frequency (MHz)							
5	QPSK	1	1	23.59	23.68	23.58	24.0

n25_Ant 0(DSI 1)							
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				37490.0	37490.0	37490.0	
Frequency (MHz)				1870	1882.5	1895	
40	PSSBPSK	1	1	22.53	22.49	22.45	
40	PSSBPSK	1	108	22.49	22.35	22.45	23.0
40	PSSBPSK	1	214	22.49	22.49	22.42	
40	PSSBPSK	5	5	22.53	22.56	22.43	23.0
40	PSSBPSK	5	54	22.47	22.58	22.43	23.0
40	PSSBPSK	108	108	22.53	22.38	22.45	
40	PSSBPSK	216	5	22.53	22.43	22.39	23.0
40	QPSK	1	1	22.53	22.58	22.45	
40	QPSK	1	108	22.44	22.44	22.44	23.0
40	QPSK	1	214	22.49	22.54	22.57	
40	QPSK	5	5	22.45	22.58	22.45	23.0
40	QPSK	5	54	22.51	22.57	22.51	23.0
40	QPSK	108	108	22.49	22.35	22.49	23.0
40	QPSK	216	5	22.51	22.44	22.44	
40	HS-CAM	1	1	22.50	22.47	22.58	23.0
40	HS-CAM	1	1	22.50	22.52	22.48	23.0
40	HS-CAM	1	1	22.50	22.50	22.50	23.0
40	HS-CAM	1	1	22.50	22.50	22.50	23.0
Channel				37490.0	37490.0	37490.0	
Frequency (MHz)				1880.0	1880.0	1880.0	
38	QPSK	1	1	22.47	22.54	22.48	23.0
Channel				37500.0	37500.0	37500.0	
Frequency (MHz)				1880	1882.5	1880	
30	QPSK	1	1	22.44	22.47	22.50	23.0
Channel				37500.0	37500.0	37500.0	
Frequency (MHz)				1882.5	1882.5	1882.5	
25	QPSK	1	1	22.53	22.54	22.45	23.0
Channel				37500.0	37500.0	37500.0	
Frequency (MHz)				1892.5	1892.5	1892.5	
30	QPSK	1	1	22.54	22.54	22.57	23.0
Channel				37500.0	37500.0	37500.0	
Frequency (MHz)				1897.5	1897.5	1897.5	
15	QPSK	1	1	22.53	22.57	22.43	23.0
Channel				37500.0	37500.0	37500.0	
Frequency (MHz)				1900.0	1900.0	1900.0	
10	QPSK	1	1	22.47	22.52	22.49	23.0
Channel				37500.0	37500.0	37500.0	
Frequency (MHz)				1902.5	1902.5	1902.5	
5	QPSK	1	1	22.53	22.52	22.49	23.0

n26(FCC)_Ant 0(DSI 1)							
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				18400.0	18400.0	18400.0	
Frequency (MHz)				824	821.5	826	
20	PSSBPSK	1	1	23.43	23.58	23.54	
20	PSSBPSK	1	53	23.53	23.55	23.47	24.0
20	PSSBPSK	1	104	23.40	23.54	23.52	
20	PSSBPSK	5	5	23.44	23.50	23.38	24.0
20	PSSBPSK	5	26	23.52	23.57	23.59	24.0
20	PSSBPSK	5	56	23.47	23.51	23.45	
20	PSSBPSK	100	5	23.58	23.50	23.51	24.0
20	QPSK	1	1	23.52	23.52	23.51	
20	QPSK	1	50	23.46	23.50	23.47	24.0
20	QPSK	1	104	23.47	23.58	23.40	
20	QPSK	5	5	23.50	23.52	23.44	24.0
20	QPSK	5	26	23.51	23.50	23.46	24.0
20	QPSK	5	56	23.45	23.52	23.38	24.0
20	QPSK	100	5	23.46	23.46	23.34	
20	HS-CAM	1	1	23.48	23.51	23.40	24.0
20	HS-CAM	1	1	22.41	22.47	22.43	23.0
20	HS-CAM	1	1	21.38	21.50	21.40	22.0
Channel				18400.0	18400.0	18400.0	
Frequency (MHz)				825.0	825.0	825.0	
15	QPSK	1	1	23.51	23.55	23.50	24.0
Channel				18500.0	18500.0	18500.0	
Frequency (MHz)				815	815.5	814	
10	QPSK	1	1	23.55	23.47	23.51	24.0
Channel				18500.0	18500.0	18500.0	
Frequency (MHz)				815.5	815.5	815.5	
5	QPSK	1	1	23.49	23.48	23.44	24.0

n30_Ant 0(DSI 1)							
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				44200.0	44200.0	44200.0	
Frequency (MHz)				2210	2210	2210	
10	PSSBPSK	1	1	23.18			
10	PSSBPSK	1	26	23.21		24.0	0.0
10	PSSBPSK	1	50	23.17			
10	PSSBPSK	25	5	23.18		24.0	0.0
10	PSSBPSK	25	14	23.15		24.0	0.0
10	PSSBPSK	25	27	23.18		24.0	0.0
10	PSSBPSK	50	5	23.18		24.0	0.0
10	QPSK	1	1	23.24			
10	QPSK	1	26	23.18		24.0	0.0
10	QPSK	1	50	23.18			
10	QPSK	25	5	23.18		24.0	0.0
10	QPSK	25	14	23.22		24.0	0.0
10	QPSK	25	27	23.09		24.0	0.0
10	QPSK	50	5	23.18			
10	HS-CAM	1	1	23.18		24.0	0.0
10	HS-CAM	1	1	23.20		24.0	0.0
10	HS-CAM	1	1	21.15		22.0	1.5
Channel				44150.0	44200.0	44200.0	
Frequency (MHz)				2205.0	2210.0	2210.0	
5	QPSK	1	1	23.13	23.20	23.10	24.0

n30_Ant 1(DSI 5)							
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				44200.0	44200.0	44200.0	
Frequency (MHz)				2210	2210	2210	
10	PSSBPSK	1	1	22.45			
10	PSSBPSK	1	26	22.43		24.0	0.0
10	PSSBPSK	1	50	22.42			
10	PSSBPSK	25	5	21.18		23.0	0.0
10	PSSBPSK	25	14	22.37		24.0	0.0
10	PSSBPSK	25	27	21.64		23.5	0.5
10	PSSBPSK	50	5	21.08			
10	QPSK	1	1	22.57			
10	QPSK	1	26	22.44		24.0	0.0
10	QPSK	1	50	22.48			
10	QPSK	25	5	21.58		23.0	1.0
10	QPSK	25	14	22.52		24.0	0.0
10	QPSK	25	27	21.58			
10	QPSK	50	5	21.08			
10	HS-CAM	1	1	21.55		23.0	1.0
10	HS-CAM	1	1	19.00		21.0	2.5
10	HS-CAM	1	1	18.08		19.0	4.5
Channel				44150.0	44200.0	44200.0	
Frequency (MHz)				2205.0	2210.0	2210.0	
5	QPSK	1	1	22.48	22.43	22.58	24.0

n66_Ant 0(DSI 1)									
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Mid Ch./ Freq.	Power High Ch./ Freq.	Time-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)									
40	PUSC	1	1	21.65	21.68	21.69			
40	PUSC	1	108	21.70	21.75	21.80	22.5	0.0	
40	PUSC	1	214	21.81	21.73	21.70			
40	PUSC	108	5	21.73	21.68	21.65	22.5	0.0	
40	PUSC	108	54	21.73	21.71	21.62	22.5	0.0	
40	PUSC	108	108	21.67	21.70	21.81	22.5	0.0	
40	PUSC	216	5	21.72	21.81	21.74			
40	QPSK	1	1	21.73	21.82	21.80			
40	QPSK	1	108	21.72	21.77	21.76	22.5	0.0	
40	QPSK	1	214	21.69	21.78	21.80			
40	QPSK	108	5	21.64	21.71	21.65	22.5	0.0	
40	QPSK	108	54	21.68	21.77	21.75	22.5	0.0	
40	QPSK	108	108	21.60	21.76	21.82	22.5	0.0	
40	QPSK	216	5	21.72	21.81	21.80	22.5	0.0	
40	SSB-AM	1	1	21.62	21.81	21.80	22.5	0.0	
40	SSB-AM	1	1	21.61	21.74	21.67	22.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.68	21.70	21.71	22.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.67	21.68	21.61	22.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.68	21.73	21.72	22.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.69	21.70	21.71	22.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.72	21.73	21.73	22.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.69	21.80	21.81	22.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.70	21.87	21.74	22.5	0.0	

n66_Ant 1(DSI 5)									
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)									
40	PUSC	1	1	22.35	22.40	22.35			
40	PUSC	1	108	22.35	22.38	22.37	24.0	0.0	
40	PUSC	1	214	22.29	22.39	22.25			
40	PUSC	108	5	22.31	22.34	22.33	24.0	0.0	
40	PUSC	108	54	22.31	22.34	22.33	24.0	0.0	
40	PUSC	108	108	21.67	21.78	21.83	23.5	0.5	
40	PUSC	216	5	21.71	21.79	21.87			
40	QPSK	1	1	22.01	22.07	22.01			
40	QPSK	1	108	22.16	22.04	22.01	24.0	0.0	
40	QPSK	1	214	22.00	22.04	22.03			
40	QPSK	108	5	21.15	21.30	21.24	22.0	1.0	
40	QPSK	108	54	22.11	22.03	22.15	24.0	0.0	
40	QPSK	108	108	21.31	21.45	21.40	23.0	1.0	
40	QPSK	216	5	21.26	21.35	21.27			
40	SSB-AM	1	1	21.79	21.83	21.77	23.0	1.0	
40	SSB-AM	1	1	20.26	20.32	20.28	21.5	2.5	
40	SSB-AM	1	1	17.13	17.83	17.79	13.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.30	22.02	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.02	22.05	22.09	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.87	22.88	22.82	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.40	22.09	22.08	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.01	22.03	22.07	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.89	22.98	22.88	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.87	22.85	22.85	24.0	0.0	

n71_Ant 0(DSI 1)									
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)									
20	PUSC	1	1	23.59	23.61	23.57			
20	PUSC	1	54	23.42	23.58	23.52	24.0	0.0	
20	PUSC	1	104	23.46	23.50	23.47			
20	PUSC	50	5	23.50	23.58	23.56	24.0	0.0	
20	PUSC	50	26	23.60	23.64	23.61	24.0	0.0	
20	PUSC	50	50	23.51	23.52	23.57	24.0	0.0	
20	PUSC	100	5	23.48	23.63	23.62			
20	QPSK	1	1	23.76	23.78	23.72			
20	QPSK	1	50	23.46	23.50	23.52	24.0	0.0	
20	QPSK	1	104	23.38	23.50	23.50			
20	QPSK	50	5	23.54	23.58	23.49	24.0	0.0	
20	QPSK	50	26	23.67	23.68	23.65	24.0	0.0	
20	QPSK	50	50	23.47	23.50	23.50	24.0	0.0	
20	QPSK	100	5	23.52	23.58	23.56			
20	SSB-AM	1	1	23.62	23.68	23.66	24.0	0.0	
20	SSB-AM	1	1	23.64	23.71	23.58	24.0	0.0	
20	SSB-AM	1	1	22.08	22.15	22.15	22.5	1.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.68	23.61	23.64	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.70	23.68	23.65	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.64	23.63	23.59	24.0	0.0	

n38_Ant 0(DSI 1)											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (min)	MFR (dB)			
Channel											
Frequency (MHz)											
40	PQ2 BPSK	1	1	23.51	23.53	23.45		24.0	0.0		
40	PQ2 BPSK	1	53	23.41	23.43	23.37					
40	PQ2 BPSK	1	104	23.37	23.52	23.47					
40	PQ2 BPSK	50	5	23.45	23.55	23.50		24.0	0.0		
40	PQ2 BPSK	50	49	23.35	23.57	23.52					
40	PQ2 BPSK	50	56	23.32	23.43	23.38					
40	PQ2 BPSK	100	0	23.40	23.55	23.45		24.0	0.0		
40	QPSK	1	1	23.57	23.58	23.57					
40	QPSK	1	53	23.26	23.41	23.37					
40	QPSK	1	104	23.25	23.36	23.37		24.0	0.0		
40	QPSK	50	5	23.45	23.50	23.45					
40	QPSK	50	49	23.35	23.52	23.45					
40	QPSK	50	56	23.30	23.43	23.41		24.0	0.0		
40	QPSK	100	0	23.35	23.52	23.45					
40	QPSK	1	1	23.35	23.52	23.45					
40	QPSK	1	1	23.49	23.45	23.41		24.0	0.0		
40	QPSK	1	1	22.92	22.95	22.94					
Channel											
Frequency (MHz)											
30	QPSK	1	1	23.56	23.58	23.48		24.0	0.0		
Channel											
Frequency (MHz)											
25	QPSK	1	1	23.47	23.46	23.46		24.0	0.0		
Channel											
Frequency (MHz)											
20	QPSK	1	1	23.51	23.49	23.46		24.0	0.0		
Channel											
Frequency (MHz)											
15	QPSK	1	1	23.50	23.47	23.45		24.0	0.0		
Channel											
Frequency (MHz)											
10	QPSK	1	1	23.43	23.48	23.43		24.0	0.0		
Channel											
Frequency (MHz)											
5	QPSK	1	1	23.55	23.58	23.42		24.0	0.0		
Channel											
Frequency (MHz)											

n38_Ant 1(DSI 5)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PQ2 BPSK	1	1	19.93	19.95	19.95		21.5	
40	PQ2 BPSK	1	53	19.94	19.95	19.95		21.5	
40	PQ2 BPSK	1	104	19.93	19.95	19.95		21.5	
40	PQ2 BPSK	50	5	19.95	19.96	19.97		21.5	
40	PQ2 BPSK	50	49	19.92	19.93	19.92		21.5	
40	PQ2 BPSK	50	56	19.92	19.94	19.94		21.5	
40	PQ2 BPSK	100	0	19.90	19.95	19.95		21.5	
40	QPSK	1	1	19.93	19.95	19.93		21.5	
40	QPSK	1	53	19.91	19.96	19.92		21.5	
40	QPSK	1	104	19.92	19.95	19.93		21.5	
40	QPSK	50	5	19.92	19.95	19.95		21.5	
40	QPSK	50	49	19.90	19.93	19.93		21.5	
40	QPSK	50	56	19.95	19.95	19.97		21.5	
40	QPSK	100	0	19.97	19.95	19.95		21.5	
40	QPSK	1	1	19.95	19.92	19.93		21.5	
40	QPSK	1	1	19.98	19.93	19.99		21.5	
40	QPSK	1	1	17.93	17.94	17.97		18.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.93	19.95	19.93		21.5	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.91	19.98	19.93		21.5	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.91	19.97	19.97		21.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.94	19.91	19.95		21.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.98	19.96	19.93		21.5	
Channel									
Frequency (MHz)									
5	QPSK	1	1	19.90	19.95	19.93		21.5	

FCC_n41_Ant 0(DSI 1)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	23.48	23.47	23.47		24.0	
100	PQ2 BPSK	1	139	23.00	23.13	23.06		24.0	
100	PQ2 BPSK	1	273	23.18	23.32	23.24		24.0	
100	PQ2 BPSK	139	5	23.20	23.25	23.16		24.0	
100	PQ2 BPSK	139	86	23.07	23.17	23.04		24.0	
100	PQ2 BPSK	139	138	23.21	23.23	23.14		24.0	
100	PQ2 BPSK	273	5	23.22	23.25	23.20		24.0	
100	QPSK	1	1	23.33	23.62	23.38		24.0	
100	QPSK	1	139	23.03	23.11	23.07		24.0	
100	QPSK	1	273	23.33	23.34	23.32		24.0	
100	QPSK	139	5	23.19	23.26	23.11		24.0	
100	QPSK	139	86	23.14	23.22	23.08		24.0	
100	QPSK	139	138	23.18	23.22	23.08		24.0	
100	QPSK	273	5	23.19	23.20	23.15		24.0	
100	QPSK	1	1	23.29	23.31	23.25		24.0	
100	QPSK	1	1	23.31	23.38	23.25		24.0	
100	QPSK	1	1	21.98	21.99	21.91		22.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.45	23.55	23.45		24.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.40	23.48	23.46		24.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.41	23.48	23.51		24.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.40	23.51	23.45		24.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.48	23.43	23.44		24.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.50	23.45	23.47		24.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.45	23.60	23.48		24.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.50	23.48	23.54		24.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.53	23.50	23.53		24.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.42	23.43	23.43		24.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.52	23.47	23.53		24.0	

n48_Ant 0(DSI 1)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq. (dBm)	Power Mid Ch./F.Freq. (dBm)	Power High Ch./F.Freq. (dBm)	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PUSBPSK	1	1	18.14	19.34	19.32		0.0	
40	PUSBPSK	1	55	19.24	19.32	19.32	20.0	0.0	
40	PUSBPSK	1	104	19.24	19.29	19.27		0.0	
40	PUSBPSK	50	5	19.13	19.36	19.32	20.0	0.0	
40	PUSBPSK	50	26	19.19	19.25	19.24	20.0	0.0	
40	PUSBPSK	50	56	19.16	19.37	19.36	20.0	0.0	
40	PUSBPSK	100	5	19.22	19.29	19.30		0.0	
Channel									
40	QPSK	1	1	19.17	19.36	19.32		0.0	
40	QPSK	1	53	19.15	19.37	19.36	20.0	0.0	
40	QPSK	1	104	19.16	19.36	19.32		0.0	
40	QPSK	50	5	19.11	19.33	19.33		0.0	
40	QPSK	50	26	19.22	19.33	19.34	20.0	0.0	
40	QPSK	50	56	19.14	19.37	19.38		0.0	
40	QPSK	100	5	19.12	19.34	19.33	20.0	0.0	
40	HS-AM	1	1	19.11	19.31	19.34	20.0	0.0	
40	HS-AM	1	1	19.19	19.34	19.33	20.0	0.0	
40	HS-AM	1	1	19.16	19.23	19.24	20.0	0.0	
Channel									
30	QPSK	1	1	19.13	19.34	19.34	20.0	0.0	
Channel									
30	QPSK	1	1	19.14	19.34	19.34	20.0	0.0	
Channel									
30	QPSK	1	1	19.14	19.34	19.34	20.0	0.0	
Channel									
15	QPSK	1	1	19.19	19.27	19.28	20.0	0.0	
Channel									
15	QPSK	1	1	19.19	19.27	19.28	20.0	0.0	
Channel									
15	QPSK	1	1	19.13	19.31	19.22	20.0	0.0	

n48_Ant 1(DSI 5)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq. (dBm)	Power Mid Ch./F.Freq. (dBm)	Power High Ch./F.Freq. (dBm)	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PUSBPSK	1	1	21.64	21.68	21.62		0.0	
40	PUSBPSK	1	55	21.60	21.66	21.61	20.0	0.0	
40	PUSBPSK	1	104	21.65	21.71	21.65		0.0	
40	PUSBPSK	50	5	21.09	21.17	21.02	20.0	0.0	
40	PUSBPSK	50	26	21.06	21.15	21.10	20.0	0.0	
40	PUSBPSK	50	56	21.07	21.18	21.08		0.0	
40	PUSBPSK	100	5	21.24	21.26	21.16	22.5	0.0	
40	QPSK	1	1	21.71	21.75	21.72		0.0	
40	QPSK	1	53	21.66	21.72	21.66	20.0	0.0	
40	QPSK	1	104	21.66	21.72	21.66		0.0	
40	QPSK	50	5	20.52	20.66	20.63	20.0	0.0	
40	QPSK	50	26	20.57	20.72	20.68	20.0	0.0	
40	QPSK	50	56	20.63	20.65	20.55		0.0	
40	QPSK	100	5	20.71	20.72	20.66	20.0	0.0	
40	HS-AM	1	1	20.44	20.55	20.51	20.0	0.0	
40	HS-AM	1	1	19.91	19.19	19.99	20.0	0.0	
40	HS-AM	1	1	17.05	17.11	16.99	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.60	21.74	21.63	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.63	21.75	21.64	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.58	21.72	21.70	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.57	21.71	21.71	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.57	21.71	21.71	20.0	0.0	

Par27Q_n77_Ant 0(DSI 1)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq. (dBm)	Power Mid Ch./F.Freq. (dBm)	Power High Ch./F.Freq. (dBm)	Turn-up time (min)	MPR (dB)	
Frequency (MHz)									
100	PUSBPSK	1	1	20.20				21.0	0.0
100	PUSBPSK	1	137	20.20				21.0	0.0
100	PUSBPSK	1	271	20.20				21.0	0.0
100	PUSBPSK	135	5	20.20				21.0	0.0
100	PUSBPSK	135	86	20.21				21.0	0.0
100	PUSBPSK	135	138	20.20				21.0	0.0
100	PUSBPSK	270	5	20.20				21.0	0.0
100	QPSK	1	1	20.20				21.0	0.0
100	QPSK	1	137	20.20				21.0	0.0
100	QPSK	1	271	20.20				21.0	0.0
100	QPSK	135	5	20.21				21.0	0.0
100	QPSK	135	86	20.20				21.0	0.0
100	QPSK	135	138	20.20				21.0	0.0
100	QPSK	270	5	20.20				21.0	0.0
100	HS-AM	1	1	20.20				21.0	0.0
100	HS-AM	1	1	20.20				21.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.20	20.20	20.20	20.0	0.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.22	20.23	20.22	21.0	0.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.34	20.22	20.16	21.0	0.0	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.26	20.21	20.20	21.0	0.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.31	20.29	20.24	21.0	0.0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.31	20.31	20.24	21.0	0.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.24	20.20	20.20	21.0	0.0	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.32	20.27	20.20	21.0	0.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.29	20.22	20.16	21.0	0.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.25	20.20	20.19	21.0	0.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.31	20.25	20.20	21.0	0.0	0.0

Part27O_n77_Ant 0(DSI 1)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq. (dBm)	Power Mid Ch./F.Freq. (dBm)	Power High Ch./F.Freq. (dBm)	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PUSBPSK	1	1	19.72	19.81	19.83		21.0	0.0
100	PUSBPSK	1	147	19.82	19.80	19.72		21.0	0.0
100	PUSBPSK	1	271	19.71	19.68	19.68		21.0	0.0
100	PUSBPSK	135	5	19.82	19.71	19.68	21.0	0.0	0.0
100	PUSBPSK	135	86	19.83	19.72	19.64	21.0	0.0	0.0
100	PUSBPSK	135	138	19.82	19.70	19.68	21.0	0.0	0.0
100	QPSK	1	0	19.85	19.80	19.75		21.0	0.0
100	QPSK	1	137	19.82	19.82	19.72		21.0	0.0
100	QPSK	1	270	19.83	19.68	19.68		21.0	0.0
100	QPSK	1	271	19.81	19.71	19.70		21.0	0.0
100	QPSK	135	86	19.87	19.74	19.68		21.0	0.0
100	QPSK	135	86	19.87	19.74	19.68	21.0	0.0	0.0
100	QPSK	135	138	19.74	19.71	19.68		21.0	0.0
100	QPSK	270	0	19.85	19.80	19.75		21.0	0.0
100	ModuM	1	0	19.82	19.70	19.67	21.0	0.0	0.0
100	AMQM	1	0	19.75	19.68	19.72	21.0	0.0	0.0
100	AMQM	1	138	19.83	19.72	19.68	21.0	0.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.6989	19.6990	19.6932		21.0	0.0
50	QPSK	1	137	19.7013	19.7014	19.7014		21.0	0.0
50	QPSK	1	270	19.6989	19.6989	19.6989		21.0	0.0
50	QPSK	1	271	19.6943	19.6938	19.6936		21.0	0.0
50	QPSK	135	5	19.7013	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	135	86	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	135	138	19.6989	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	0	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	137	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	270	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	271	19.6943	19.6938	19.6936	21.0	0.0	0.0
50	QPSK	135	5	19.7013	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	135	86	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	135	138	19.6989	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	0	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	137	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	270	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	271	19.6943	19.6938	19.6936	21.0	0.0	0.0
50	QPSK	135	5	19.7013	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	135	86	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	135	138	19.6989	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	0	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	137	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	270	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	271	19.6943	19.6938	19.6936	21.0	0.0	0.0
50	QPSK	135	5	19.7013	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	135	86	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	135	138	19.6989	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	0	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	137	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	270	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	271	19.6943	19.6938	19.6936	21.0	0.0	0.0
50	QPSK	135	5	19.7013	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	135	86	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	135	138	19.6989	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	0	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	137	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	270	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	271	19.6943	19.6938	19.6936	21.0	0.0	0.0
50	QPSK	135	5	19.7013	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	135	86	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	135	138	19.6989	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	0	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	137	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	270	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	271	19.6943	19.6938	19.6936	21.0	0.0	0.0
50	QPSK	135	5	19.7013	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	135	86	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	135	138	19.6989	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	0	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	137	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	270	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	271	19.6943	19.6938	19.6936	21.0	0.0	0.0
50	QPSK	135	5	19.7013	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	135	86	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	135	138	19.6989	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	0	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	137	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	270	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	271	19.6943	19.6938	19.6936	21.0	0.0	0.0
50	QPSK	135	5	19.7013	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	135	86	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	135	138	19.6989	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	0	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	137	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	270	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	271	19.6943	19.6938	19.6936	21.0	0.0	0.0
50	QPSK	135	5	19.7013	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	135	86	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	135	138	19.6989	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	0	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	137	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	270	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	271	19.6943	19.6938	19.6936	21.0	0.0	0.0
50	QPSK	135	5	19.7013	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	135	86	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	135	138	19.6989	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	0	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	137	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	270	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	271	19.6943	19.6938	19.6936	21.0	0.0	0.0
50	QPSK	135	5	19.7013	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	135	86	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	135	138	19.6989	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	0	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	137	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	270	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	271	19.6943	19.6938	19.6936	21.0	0.0	0.0
50	QPSK	135	5	19.7013	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	135	86	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	135	138	19.6989	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	0	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	137	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	270	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	271	19.6943	19.6938	19.6936	21.0	0.0	0.0
50	QPSK	135	5	19.7013	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	135	86	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	135	138	19.6989	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	0	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	137	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	270	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	271	19.6943	19.6938	19.6936	21.0	0.0	0.0
50	QPSK	135	5	19.7013	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	135	86	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	135	138	19.6989	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	0	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	137	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	270	19.6989	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	1	271	19.6943	19.6938	19.6936	21.0	0.0	0.0
50	QPSK	135	5	19.7013	19.6989	19.6989	21.0	0.0	0.0
50	QPSK	135	86	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	135	138	19.6989	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	0	19.7014	19.6970	19.6936	21.0	0.0	0.0
50	QPSK	1	137	19.6989	19.6989	19.6989	21.0	0.0	0.0
50</									

Par27Q(HPUe)_n77_Ant 0(DSI 1)									
Ref (MHz)	Modulation	Ref Size	Ref Offset	Low Freq. (MHz)	High Freq. (MHz)	Peak Chirp (MHz)	Time step (μsec)	MPI (dB)	
Channel									
Frequency (MHz)									
150	QPSK	1	1	20.28	20.32				
150	HzBPSK	1	137	20.28	20.32		21.0	0.0	
150	HzBPSK	1	271	20.28	20.32				
150	HzBPSK	1	405	20.28	20.32		21.0	0.0	
150	HzBPSK	135	69	20.27	20.31		21.0	0.0	
150	HzBPSK	135	156	20.28	20.32		21.0	0.0	
150	QPSK	1	1	20.28	20.32				
150	QPSK	1	137	20.28	20.32		21.0	0.0	
150	QPSK	1	271	20.28	20.32				
150	QPSK	135	0	20.27	20.31		21.0	0.0	
150	QPSK	135	138	20.28	20.32		21.0	0.0	
150	QPSK	270	9	20.28	20.32		21.0	0.0	
150	16QAM	1	1	20.28	20.32		21.0	0.0	
150	64QAM	1	1	20.28	20.32		21.0	0.0	
150	256QAM	1	1	20.28	20.32		21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	53000	53032	53066	20.0	MPK	
50	QPSK	1	1	54150	54182	54216	21.0	MPK	
Channel									
Frequency (MHz)									
80	QPSK	1	1	60468	60532	60600	21.0	MPK	
80	QPSK	1	1	61618	61682	61740	21.0	MPK	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.22	20.33	20.22	21.0	0.0	
Channel									
Frequency (MHz)									
75	QPSK	1	1	61634	61698	61762	21.0	MPK	
75	QPSK	1	1	62784	62848	62912	21.0	MPK	
Channel									
Frequency (MHz)									
80	QPSK	1	1	53000	53032	53066	21.0	MPK	
80	QPSK	1	1	54150	54182	54216	21.0	MPK	
Channel									
Frequency (MHz)									
50	QPSK	1	1	61688	61752	61816	21.0	MPK	
50	QPSK	1	1	34750	34782	34816	20.0	MPK	
Channel									
Frequency (MHz)									
40	QPSK	1	1	61034	61098	61162	21.0	MPK	
40	QPSK	1	1	34750	34782	34816	21.0	MPK	
Channel									
Frequency (MHz)									
30	QPSK	1	1	36360	36392	36424	21.0	MPK	
30	QPSK	1	1	36480	36512	36544	21.0	MPK	
Channel									
Frequency (MHz)									
25	QPSK	1	1	34824	34856	34888	21.0	MPK	
25	QPSK	1	1	34944	34976	35008	21.0	MPK	
Channel									
Frequency (MHz)									
20	QPSK	1	1	34920	34952	34984	21.0	MPK	
20	QPSK	1	1	35040	35072	35104	21.0	MPK	
Channel									
Frequency (MHz)									
15	QPSK	1	1	34712	34744	34776	21.0	MPK	
15	QPSK	1	1	34832	34864	34896	21.0	MPK	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.31	20.32	20.32	21.0	0.0	

[illegible]

Part27Q_n77_Ant 1(DSI 5)									
SW [MHz]	Modulation	RB Size	RB Offset	Low Freq. C.Freq. [MHz]	High Freq. C.Freq. [MHz]	High Freq. C.Freq. [MHz]	Frequency Limit [MHz]	Min [dB]	Max [dB]
Channel									
100	P13-BPSK	1	1	22.47	22.47	22.47	22.47	0.0	0.0
100	P13-BPSK	1	137	22.46	22.46	22.46	22.46	23.0	0.0
100	P13-BPSK	1	271	22.46	22.46	22.46	22.46	23.0	0.0
100	P13-BPSK	1	405	22.46	22.46	22.46	22.46	23.0	0.0
100	P13-BPSK	136	66	22.48	22.48	22.48	22.48	23.0	0.0
100	P13-BPSK	136	138	22.48	22.48	22.48	22.48	23.0	0.0
100	QPSK	1	1	22.50	22.50	22.50	22.50	0.0	0.0
100	QPSK	1	137	22.49	22.49	22.49	22.49	23.0	0.0
100	QPSK	1	271	22.47	22.47	22.47	22.47	23.0	0.0
100	QPSK	136	66	22.50	22.50	22.50	22.50	23.0	0.0
100	QPSK	136	138	22.48	22.48	22.48	22.48	23.0	0.0
100	QPSK	270	0	22.46	22.46	22.46	22.46	23.0	0.0
100	QPSK	270	66	22.46	22.46	22.46	22.46	23.0	0.0
100	SSB4M	1	1	22.52	22.52	22.52	22.52	0.0	0.0
100	SSB4M	1	137	22.48	22.48	22.48	22.48	23.0	0.0
Channel									
Frequency [MHz]	63.0309	63.0332	63.0366	Frequency Limit [MHz]	63.0309	63.0332	63.0366	Min [dB]	Max [dB]
90	QPSK	1	22.48	22.47	22.47	22.47	22.47	23.0	0.0
Channel									
Frequency [MHz]	63.0368	63.0372	63.0408	Frequency Limit [MHz]	63.0368	63.0372	63.0408	Min [dB]	Max [dB]
80	QPSK	1	22.42	22.37	22.37	22.37	22.37	23.0	0.0
Channel									
Frequency [MHz]	63.0432	63.0432	63.0432	Frequency Limit [MHz]	63.0432	63.0432	63.0432	Min [dB]	Max [dB]
70	QPSK	1	22.30	22.26	22.26	22.26	22.26	23.0	0.0
Channel									
Frequency [MHz]	63.0500	63.0532	63.0608	Frequency Limit [MHz]	63.0500	63.0532	63.0608	Min [dB]	Max [dB]
60	QPSK	1	22.46	22.41	22.41	22.41	22.41	23.0	0.0
Channel									
Frequency [MHz]	63.0608	63.0632	63.0668	Frequency Limit [MHz]	63.0608	63.0632	63.0668	Min [dB]	Max [dB]
50	QPSK	1	22.48	22.38	22.38	22.38	22.38	23.0	0.0
Channel									
Frequency [MHz]	63.0736	63.0768	63.0832	Frequency Limit [MHz]	63.0736	63.0768	63.0832	Min [dB]	Max [dB]
40	QPSK	1	22.30	22.25	22.25	22.25	22.25	23.0	0.0
Channel									
Frequency [MHz]	63.0900	63.0932	63.0968	Frequency Limit [MHz]	63.0900	63.0932	63.0968	Min [dB]	Max [dB]
30	QPSK	1	22.40	22.27	22.27	22.27	22.27	23.0	0.0
Channel									
Frequency [MHz]	63.1000	63.1032	63.1068	Frequency Limit [MHz]	63.1000	63.1032	63.1068	Min [dB]	Max [dB]
20	QPSK	1	22.40	22.24	22.24	22.24	22.24	23.0	0.0
Channel									
Frequency [MHz]	63.1100	63.1132	63.1168	Frequency Limit [MHz]	63.1100	63.1132	63.1168	Min [dB]	Max [dB]
10	QPSK	1	22.42	22.30	22.30	22.30	22.30	23.0	0.0
Channel									
Frequency [MHz]	63.1212	63.1244	63.1276	Frequency Limit [MHz]	63.1212	63.1244	63.1276	Min [dB]	Max [dB]
0	QPSK	1	22.42	22.40	22.40	22.40	22.40	23.0	0.0

Part270_n77_Ant 1(DSI 5)									
BW [MHz]	Modulation	RIS Size	RIS Offset	Low Ch/Freq	High Ch/Freq	Media Ch/Freq	High Ch/Freq	Time-up time [s]	MP/s
100	Frequency [MHz]			21.58	21.58	21.84			
100	PIB-BPSK_1	1	137	21.88	22.07	21.84		23.0	0.0
100	PIB-BPSK_1	1	271	21.58	22.06	21.87			
100	PIB-BPSK_135	1	137	21.88	22.07	21.84		23.0	0.0
100	PIB-BPSK_135	1	271	21.58	22.06	21.87			
100	QPSK_135	1	137	21.88	22.07	21.84		23.0	0.0
100	QPSK_135	1	271	21.58	22.06	21.87			
100	QPSK_1	1	137	21.88	22.07	21.84		23.0	0.0
100	QPSK_1	1	271	21.58	22.06	21.87			
100	QPSK_135	0	137	21.87	22.05	21.86		23.0	0.0
100	QPSK_135	0	271	21.58	22.06	21.87			
100	QPSK_135	135	135	21.88	22.07	21.84			
100	QPSK_270	0	137	21.87	22.05	21.86		23.0	0.0
100	QPSK_270	0	271	21.58	22.06	21.87			
100	QPSK_270	1	137	21.88	22.07	21.84			
100	QPSK_270	1	271	21.58	22.06	21.87			
100	QPSK_135	135	135	21.88	22.07	21.84			
100	QPSK_270	270	270	21.87	22.05	21.86			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270	21.88	22.07	21.84			
100	QPSK_270	270	270	21.58	22.06	21.87			
100	QPSK_270	270	270</						

Part27Q(HPUe)_n77_Ant 1(DSI 5)									
RF [MHz]	Modulation	RB Size	RB Offset	Power Level Ch./F.Freq.	Power Mask Ch./F.Freq.	Power Tgt. Ch./F.Freq.	Time-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1			22.13		23.0	0.0
100	P12 BPSK	1	137			22.12			
100	P12 BPSK	1	271			22.02			
100	P12 BPSK	135	5			22.12		23.0	0.0
100	P12 BPSK	135	86			22.05		23.0	0.0
100	P12 BPSK	135	138			22.13		23.0	0.0
100	P12 BPSK	271	5			22.14			
100	QPSK	1	1			22.18			
100	QPSK	1	137			22.12		23.0	0.0
100	QPSK	1	271			22.12			
100	QPSK	135	5			22.05		23.0	0.0
100	QPSK	135	86			22.13		23.0	0.0
100	QPSK	135	138			22.13			
100	QPSK	271	5			22.12		23.0	0.0
100	4QAM	1	1			22.01		23.0	0.0
100	4QAM	1	1			22.12		23.0	0.0
100	25QAM	1	1			21.45		23.5	0.5
Channel									
Frequency (MHz)									
30	QPSK	1	1	63300	63332	63366	Time-up time (min)	MPR (dB)	
30	QPSK	1	1	22.00	22.02	22.03	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63366	63332	63400	Time-up time (min)	MPR (dB)	
30	QPSK	1	1	3463.02	3466.98	3470	23.0	0.0	
30	QPSK	1	1	21.94	22.07	21.99	23.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63234	63302	63252	Time-up time (min)	MPR (dB)	
70	QPSK	1	1	3463.51	3466.98	3474.98	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63184	63332	63332	Time-up time (min)	MPR (dB)	
30	QPSK	1	1	21.99	22.01	22.03	23.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63100	63332	63366	Time-up time (min)	MPR (dB)	
40	QPSK	1	1	3461	3466.98	3464.98	23.0	0.0	
40	QPSK	1	1	21.98	22.04	22.09	23.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	63034	63332	63366	Time-up time (min)	MPR (dB)	
25	QPSK	1	1	3453.51	3466.98	3457.48	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	62968	63332	63366	Time-up time (min)	MPR (dB)	
20	QPSK	1	1	3445	3466.98	3448.98	23.0	0.0	
15	QPSK	1	1	62902	63332	63366	Time-up time (min)	MPR (dB)	
15	QPSK	1	1	3437.51	3466.98	3440.98	23.0	0.0	
10	QPSK	1	1	62836	63332	63366	Time-up time (min)	MPR (dB)	
10	QPSK	1	1	3430	3466.98	3433	23.0	0.0	

Part27Q(HPUe)_n77_Ant 1(DSI 5)									
RF [MHz]	Modulation	RB Size	RB Offset	Power Level Ch./F.Freq.	Power Mask Ch./F.Freq.	Power Tgt. Ch./F.Freq.	Time-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	21.95	21.98	21.94	23.0	0.0	
100	P12 BPSK	1	137	21.85	22.07	21.94			
100	P12 BPSK	1	271	21.85	22.08	21.87			
100	P12 BPSK	135	5	21.89	21.93	21.86	23.0	0.0	
100	P12 BPSK	135	86	21.81	22.07	21.87	23.0	0.0	
100	P12 BPSK	135	138	21.85	21.94	21.82	23.0	0.0	
100	P12 BPSK	271	5	21.85	21.87	21.81			
100	QPSK	1	1	21.85	22.08	21.84			
100	QPSK	1	137	21.89	22.05	21.86	23.0	0.0	
100	QPSK	1	271	21.87	22.05	21.86			
100	QPSK	135	5	21.87	22.05	21.86	23.0	0.0	
100	QPSK	135	86	21.85	22.03	21.84	23.0	0.0	
100	QPSK	135	138	21.86	22.01	21.84			
100	QPSK	271	5	21.89	22.05	21.86	23.0	0.0	
100	4QAM	1	1	21.85	21.87	21.82	23.0	0.0	
100	4QAM	1	1	21.91	21.93	21.89	23.0	0.0	
100	25QAM	1	1	21.32	21.35	21.34	23.0	0.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63468	63500	63532	Time-up time (min)	MPR (dB)	
30	QPSK	1	1	21.95	21.97	21.93	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63532	63500	63568	Time-up time (min)	MPR (dB)	
30	QPSK	1	1	3463.51	3466	3465.99	23.0	0.0	
30	QPSK	1	1	21.92	22.05	21.94	23.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63400	63500	63500	Time-up time (min)	MPR (dB)	
70	QPSK	1	1	21.89	21.94	21.82	23.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63360	63500	63480	Time-up time (min)	MPR (dB)	
40	QPSK	1	1	21.87	22.03	21.86	23.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63500	63532	63568	Time-up time (min)	MPR (dB)	
40	QPSK	1	1	3461.51	3466	3461.5	23.0	0.0	
30	QPSK	1	1	21.93	21.98	21.91	23.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	63436	63500	63468	Time-up time (min)	MPR (dB)	
25	QPSK	1	1	3459.51	3466	3459.5	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63400	63500	63400	Time-up time (min)	MPR (dB)	
20	QPSK	1	1	3457.51	3466	3457.5	23.0	0.0	
15	QPSK	1	1	63364	63500	63364	Time-up time (min)	MPR (dB)	
15	QPSK	1	1	3455	3466	3455	23.0	0.0	
10	QPSK	1	1	63328	63500	63328	Time-up time (min)	MPR (dB)	
10	QPSK	1	1	3453	3466	3453	23.0	0.0	

Part27Q_n78_Ant 0(DSI 1)									
RF [MHz]	Modulation	RB Size	RB Offset	Power Level Ch./F.Freq.	Power Mask Ch./F.Freq.	Power Tgt. Ch./F.Freq.	Time-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1			20.20		21.0	0.0
100	P12 BPSK	1	137			20.23			
100	P12 BPSK	1	271			20.20			
100	P12 BPSK	135	5			20.20		21.0	0.0
100	P12 BPSK	135	86			20.24		21.0	0.0
100	P12 BPSK	135	138			20.23		21.0	0.0
100	P12 BPSK	271	5			20.25			
100	QPSK	1	1			20.25			
100	QPSK	1	137			20.26		21.0	0.0
100	QPSK	1	271			20.25			
100	QPSK	135	5			20.21		21.0	0.0
100	QPSK	135	86			20.23		21.0	0.0
100	QPSK	135	138			20.25			
100	QPSK	271	5			20.26		21.0	0.0
100	4QAM	1	1			20.25		21.0	0.0
100	4QAM	1	1			20.27		21.0	0.0
100	25QAM	1	1			20.25		21.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	63300	63332	63368	Time-up time (min)	MPR (dB)	
30	QPSK	1	1	20.24	20.25	20.25	21.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63368	63332	63400	Time-up time (min)	MPR (dB)	
30	QPSK	1	1	3463.50	3466.98	3470	21.0	0.0	
30	QPSK	1	1	20.15	20.24	20.18	21.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	63234	63302	63252	Time-up time (min)	MP	
70	QPSK	1	1	20.23	20.25	20.24	21.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63300	63332	63368	Time-up time (min)	MPR (dB)	
80	QPSK	1	1	3474.50	3468.02	3470	21.0	0.0	
80	QPSK	1	1	20.14	20.25	20.06	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	63168	63332	63300	Time-up time (min)	MPR (dB)	
50	QPSK	1	1	3474.50	3468.02	3470	21.0	0.0	
50	QPSK	1	1	20.14	20.25	20.10	21.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63134	63332	63300	Time-up time (min)	MPR (dB)	
40	QPSK	1	1	3474.50	3468.02	3470	21.0	0.0	
40	QPSK	1	1	20.20	20.21	20.20	21.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63300	63332	63368	Time-up time (min)	MPR (dB)	
30	QPSK	1	1	20.16	20.24	20.18	21.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	63266	63332	63300	Time-up time (min)	MPR (dB)	
25	QPSK	1	1	3474.50	3468.02	3470	21.0	0.0	
25	QPSK	1	1	20.27	20.25	20.09	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63232	63332	63300	Time-up time (min)	MPR (dB)	
20	QPSK	1	1	3474.50	3468.02	3470	21.0	0.0	
20	QPSK	1	1	20.27	20.25	20.09	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63198	63332	63300	Time-up time (min)	MPR (dB)	
10	QPSK	1	1	3474.50	3468.02	3470	21.0	0.0	
10	QPSK	1	1	20.25	20.25	20.14	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	63204	63332	63300	Time-up time (min)	MPR (dB)	
10	QPSK	1	1	3474.50	3468.02	3470	21.0	0.0	
10	QPSK	1	1	20.25	20.25	20.14	21.0	0.0	

Part27Q(HPUe)_n78_Ant_O(DS1.1)									
Seq ID	Modulation	BS Size	BS Offset	Channel	Low Co. Freq.	Trans. Matrix Co. Freq.	Ant. Offset (dB)	Turn-up time (s)	MFR (dB)
Channel									
Frequency (MHz)									
100	PSK 25K	1	20.21	1	83300	83300	20.21	21.0	0.0
100	PSK 25K	1	137	1	20.21	20.21	20.21	21.0	0.0
100	PSK 25K	1	25	1	20.21	20.21	20.21	21.0	0.0
100	PSK 25K	135	0	1	20.21	20.21	20.21	21.0	0.0
100	PSK 25K	135	66	1	20.21	20.21	20.21	21.0	0.0
100	PSK 25K	135	135	1	20.21	20.21	20.21	21.0	0.0
100	QPSK	1	270	0	20.21	20.21	20.21	21.0	0.0
100	QPSK	1	1	1	20.21	20.21	20.21	21.0	0.0
100	QPSK	135	137	1	20.21	20.21	20.21	21.0	0.0
100	QPSK	1	271	1	20.21	20.21	20.21	21.0	0.0
100	QPSK	135	135	1	20.21	20.21	20.21	21.0	0.0
100	QPSK	135	138	1	20.21	20.21	20.21	21.0	0.0
100	QPSK	270	0	1	20.21	20.21	20.21	21.0	0.0
100	SSBAM	1	1	1	20.21	20.21	21.0	21.0	0.0
100	SSBAM	1	1	1	20.21	20.21	21.0	21.0	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	20.24	1	83300	83300	20.24	21.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	1	83300	83300	20.18	21.0	0.0
80	QPSK	1	1	1	20.18	20.18	20.18	21.0	0.0
70	QPSK	1	1	1	83300	83300	20.16	21.0	0.0
70	QPSK	1	1	1	20.23	20.23	20.16	21.0	0.0
60	QPSK	1	1	1	83300	83300	20.14	21.0	0.0
60	QPSK	1	1	1	20.14	20.14	20.08	21.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	1	83300	83300	20.12	21.0	0.0
40	QPSK	1	1	1	83300	83300	20.10	21.0	0.0
40	QPSK	1	1	1	20.11	20.11	20.10	21.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	1	83300	83300	20.08	21.0	0.0
30	QPSK	1	1	1	20.08	20.08	20.08	21.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	1	83300	83300	20.06	21.0	0.0
20	QPSK	1	1	1	20.06	20.06	20.06	21.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	1	83300	83300	20.04	21.0	0.0
15	QPSK	1	1	1	20.04	20.04	20.04	21.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	1	83300	83300	20.02	21.0	0.0
10	QPSK	1	1	1	20.02	20.02	20.02	21.0	0.0

Part270(HPUe)_n78_Ant (0SD1)								
PR (MHz)	Modulation	PR Size	PR Offset	Power Co. (dBm)	Power Mntr. Co. (dBm)	Power Mntr. Co. (dBm)	Frequency Offset (MHz)	MPR (dB)
Channel								
Frequency (MHz)								
100	PSK-BPSK	1	0	20.0	20.0	20.0	21.0	0.0
100	PSK-BPSK	1	137	20.0	20.0	20.0	21.0	0.0
100	PSK-BPSK	1	271	20.0	20.0	20.0	21.0	0.0
100	PSK-BPSK	155	0	20.0	20.0	20.0	21.0	0.0
100	PSK-BPSK	155	138	20.0	20.0	20.0	21.0	0.0
100	PSK-BPSK	291	0	20.0	20.0	20.0	21.0	0.0
100	QPSK	1	1	20.0	20.0	20.0	21.0	0.0
100	QPSK	1	137	20.0	20.0	20.0	21.0	0.0
100	QPSK	1	271	20.0	20.0	20.0	21.0	0.0
100	QPSK	155	0	20.0	20.0	20.0	21.0	0.0
100	QPSK	155	138	20.0	20.0	20.0	21.0	0.0
100	QPSK	291	0	20.0	20.0	20.0	21.0	0.0
100	SSB-AM	1	1	20.0	20.0	20.0	21.0	0.0
100	SSB-AM	1	137	20.0	20.0	20.0	21.0	0.0
100	SSB-AM	1	271	20.0	20.0	20.0	21.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	0	64000	64000	64000	Frequency Offset (MHz)	MPR
90	QPSK	1	137	64000	64000	64000	Frequency Offset (MHz)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	0	16.99	20.0	20.0	21.0	0.0
80	QPSK	1	138	64000	64000	64000	Frequency Offset (MHz)	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	0	16.95	20.0	20.0	21.0	0.0
70	QPSK	1	137	20.0	20.0	20.0	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	0	37.00	37.00	37.00	Frequency Offset (MHz)	MPR
60	QPSK	1	138	20.0	20.0	20.0	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	0	16.96	20.0	20.0	21.0	0.0
50	QPSK	1	137	20.0	20.0	20.0	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	0	37.00	37.00	37.00	Frequency Offset (MHz)	MPR
40	QPSK	1	138	20.0	20.0	20.0	21.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	0	20.0	20.0	20.0	21.0	0.0
30	QPSK	1	137	20.0	20.0	20.0	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	0	20.0	20.0	20.0	21.0	0.0
20	QPSK	1	138	20.0	20.0	20.0	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	0	64000	64000	64000	Frequency Offset (MHz)	MPR
15	QPSK	1	137	64000	64000	64000	Frequency Offset (MHz)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	0	20.0	20.0	20.0	21.0	0.0
10	QPSK	1	137	20.0	20.0	20.0	21.0	0.0

Part27_Q78_Ant_1 (DS1.5)									
RF (MHz)	Modulation	RB Size	RB Offset	Power Level (mW/100MHz)	Max. Power (dBm)	Power Margin (dB)	Time-to-go (min)	MPR (dB)	SNR (dB)
Channel									
Frequency (MHz)									
100	F30 BPSK	22	1	23.28	23.28	22.48	24.0	0.0	
100	F30 BPSK	1	137	23.28	23.28	22.48	24.0	0.0	
100	F30 BPSK	136	1	23.28	23.28	22.48	24.0	0.0	
100	F30 BPSK	135	9	22.48	22.48	23.28	24.0	0.0	
100	F30 BPSK	135	69	22.48	22.48	23.28	24.0	0.0	
100	QPSK	135	136	22.48	22.48	23.28	24.0	0.0	
100	F30 BPSK	270	0	22.48	22.48	23.28	24.0	0.0	
100	QPSK	1	1	22.28	22.28	23.08	24.0	0.0	
100	QPSK	1	137	22.28	22.28	23.08	24.0	0.0	
100	QPSK	1	271	22.28	22.28	23.08	24.0	0.0	
100	QPSK	135	68	22.28	22.28	23.08	24.0	0.0	
100	QPSK	135	98	22.28	22.28	23.08	24.0	0.0	
100	QPSK	135	136	22.28	22.28	23.08	24.0	0.0	
100	QPSK	270	0	22.28	22.28	23.08	24.0	0.0	
100	HS-DMT	1	1	22.44	22.44	23.24	24.0	0.0	
100	HS-DMT	1	137	22.44	22.44	23.24	24.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	22	1	22.28	22.28	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	22	1	22.28	22.28	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	22	1	22.28	22.28	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	22	1	22.28	22.28	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	22	1	22.28	22.28	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	22	1	22.28	22.28	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	22	1	22.28	22.28	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	22	1	22.28	22.28	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	22	1	22.28	22.28	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
0	QPSK	22	1	22.28	22.28	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
-10	QPSK	22	1	22.28	22.28	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
-20	QPSK	22	1	22.28	22.28	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
-30	QPSK	22	1	22.28	22.28	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
-40	QPSK	22	1	22.28	22.28	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
-50	QPSK	22	1	22.28	22.28	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
-60	QPSK	22	1	22.28	22.28	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
-70	QPSK	22	1	22.28	22.28	23.08	24.0	0.0	
Channel									
Frequency									

Part20_n78_Ant_1(DSI 5)									
RF (MHz)	Modulation	RF Size	RF Offset	Power Level (Ch./F. dBm)	Power Modem (dBm)	Power HARQ (dBm)	Power HARQ (dBm)	Time-up delay (µsec)	MPR (dB)
Channel									
Frequency (MHz)									
100	PSK BPSK	1	1	22.45	22.45				
100	PSK BPSK	1	137	22.45	22.45			24.0	0.0
100	PSK BPSK	1	271	22.45	22.45				
100	PSK BPSK	155	9	22.45	22.45			24.0	0.0
100	PSK BPSK	155	69	22.45	22.45			24.0	0.0
100	PSK BPSK	155	138	22.45	22.45			24.0	0.0
100	PSK BPSK	271	0	22.45	22.45				
100	QPSK	1	1	22.28	22.28				
100	QPSK	1	137	22.24	22.24				
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25				
100	QPSK	155	69	22.25	22.25				
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				
100	QPSK	271	0	22.28	22.28			24.0	0.0
100	QPSK	1	1	22.28	22.28			24.0	0.0
100	QPSK	1	137	22.24	22.24			24.0	0.0
100	QPSK	1	271	22.43	22.43				
100	QPSK	155	9	22.25	22.25			24.0	0.0
100	QPSK	155	69	22.25	22.25			24.0	0.0
100	QPSK	155	138	22.43	22.43				

Part27Q(HPUE)_n78_Ant 1(DSI 5)											
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./F.Freq.	Power Level Ch./F.Freq.	Power Level Ch./F.Freq.	Turn-up time (min)	MPE (dB)			
Channel											
Frequency (MHz)											
100	PLC BPSK	1	1	22.43							
100	PLC BPSK	1	137	22.35			24.0	0.0			
100	PLC BPSK	1	271	22.38							
100	PLC BPSK	135	0	22.36			24.0	0.0			
100	PLC BPSK	135	86	22.44					24.0		
100	PLC BPSK	135	138	22.44					24.0		
100	PLC BPSK	219	0	22.44							
100	QPSK	1	1	22.43							
100	QPSK	1	137	22.38			24.0	0.0			
100	QPSK	1	271	22.35							
100	QPSK	135	0	22.30			24.0	0.0			
100	QPSK	135	86	22.42					24.0		
100	QPSK	135	138	22.34							
100	QPSK	219	0	22.42			24.0	0.0			
100	HQAM	1	1	22.35			24.0	0.0			
100	HQAM	1	1	22.44			24.0	0.0			
100	HQAM	1	1	21.10			24.0	0.0			
Channel											
Frequency (MHz)											
90	QPSK	1	1	22.43	83000	83000	Turn-up time (min)	MPE (dB)			
90	QPSK	1	1	22.43	83000	83000	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1	22.23	82410	82410	Turn-up time (min)	MPE (dB)			
80	QPSK	1	1	22.23	82410	82410	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
70	QPSK	1	1	22.29	82410	82410	Turn-up time (min)	MPE (dB)			
70	QPSK	1	1	22.29	82410	82410	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
60	QPSK	1	1	22.03	82410	82410	Turn-up time (min)	MPE (dB)			
60	QPSK	1	1	22.03	82410	82410	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	22.17	82410	82410	Turn-up time (min)	MPE (dB)			
50	QPSK	1	1	22.17	82410	82410	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	22.25	82410	82410	Turn-up time (min)	MPE (dB)			
40	QPSK	1	1	22.25	82410	82410	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	22.25	82410	82410	Turn-up time (min)	MPE (dB)			
30	QPSK	1	1	22.25	82410	82410	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
25	QPSK	1	1	22.22	82410	82410	Turn-up time (min)	MPE (dB)			
25	QPSK	1	1	22.22	82410	82410	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	22.18	82410	82410	Turn-up time (min)	MPE (dB)			
20	QPSK	1	1	22.18	82410	82410	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	22.20	82410	82410	Turn-up time (min)	MPE (dB)			
15	QPSK	1	1	22.20	82410	82410	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	22.19	82410	82410	Turn-up time (min)	MPE (dB)			
10	QPSK	1	1	22.19	82410	82410	Turn-up time (min)	24.0			

Part27O(HPUE)_n78_Ant 1(DSI 5)											
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./F.Freq.	Power Level Ch./F.Freq.	Power Level Ch./F.Freq.	Turn-up time (min)	MPE (dB)			
Channel											
Frequency (MHz)											
100	PLC BPSK	1	1	22.43							
100	PLC BPSK	1	137	22.35				24.0	0.0		
100	PLC BPSK	1	271	22.37							
100	PLC BPSK	135	0	22.44				24.0	0.0		
100	PLC BPSK	135	86	22.43				24.0	0.0		
100	PLC BPSK	135	138	22.43							
100	QPSK	1	1	22.38							
100	QPSK	1	137	22.34				24.0	0.0		
100	QPSK	1	271	22.43							
100	QPSK	135	0	22.50							
100	QPSK	135	86	22.52				24.0	0.0		
100	QPSK	135	138	22.45							
100	QPSK	219	0	22.47				24.0	0.0		
100	HQAM	1	1	22.45				24.0	0.0		
100	HQAM	1	1	22.43				24.0	0.0		
Channel											
Frequency (MHz)											
80	QPSK	1	1	22.43	83000	83000	Turn-up time (min)	MPE (dB)			
80	QPSK	1	1	22.43	83000	83000	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1	22.23	82410	82410	Turn-up time (min)	MPE (dB)			
80	QPSK	1	1	22.23	82410	82410	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
70	QPSK	1	1	22.38	82410	82410	Turn-up time (min)	MPE (dB)			
70	QPSK	1	1	22.38	82410	82410	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
60	QPSK	1	1	22.49	82410	82410	Turn-up time (min)	MPE (dB)			
60	QPSK	1	1	22.49	82410	82410	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	22.43	82410	82410	Turn-up time (min)	MPE (dB)			
50	QPSK	1	1	22.43	82410	82410	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	22.37	82410	82410	Turn-up time (min)	MPE (dB)			
40	QPSK	1	1	22.37	82410	82410	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	22.37	82410	82410	Turn-up time (min)	MPE (dB)			
30	QPSK	1	1	22.37	82410	82410	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
25	QPSK	1	1	22.43	82410	82410	Turn-up time (min)	MPE (dB)			
25	QPSK	1	1	22.43	82410	82410	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	22.44	82410	82410	Turn-up time (min)	MPE (dB)			
20	QPSK	1	1	22.44	82410	82410	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	22.45	82410	82410	Turn-up time (min)	MPE (dB)			
15	QPSK	1	1	22.45	82410	82410	Turn-up time (min)	24.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	22.40	82410	82410	Turn-up time (min)	0.0			

Reduced Power Mode for Sensor On_Simultaneous

n2_Ant 0(DSI 6/8/9/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch / Freq	Power Main Ch / Freq	Power Pch / Freq	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PUS-BPSK	1	1	17.75	18.50	19.00			
40	PUS-BPSK	1	1	21.50	21.50	21.50			
40	PUS-BPSK	1	108	22.50	22.52	21.88	23.0	0.0	
40	PUS-BPSK	1	214	21.58	21.50	21.87			
40	PUS-BPSK	108	5	21.58	21.50	21.87	23.0	0.0	
40	PUS-BPSK	108	54	22.50	22.50	21.95	23.0	0.0	
40	PUS-BPSK	108	108	21.50	21.50	21.88			
40	PUS-BPSK	216	0	22.50	21.58	21.88			
40	QPSK	1	1	21.50	22.50	22.50			
40	QPSK	1	108	21.54	21.50	21.88	23.0	0.0	
40	QPSK	1	214	21.50	21.51	22.50			
40	QPSK	108	0	21.50	22.51	21.51	23.0	0.0	
40	QPSK	108	54	21.55	22.50	21.51	23.0	0.0	
40	QPSK	108	108	21.54	21.51	21.88	23.0	0.0	
40	QPSK	216	0	21.51	21.50	21.95	23.0	0.0	
40	HS-SSM	1	1	22.00	21.50	21.50			
40	HS-SSM	1	1	21.50	21.50	21.50			
40	HS-SSM	1	1	21.45	21.52	21.58	22.5	0.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.00	21.50	21.50	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.00	21.50	21.88	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.00	21.50	21.50	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.50	21.51	21.50	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.00	21.51	21.50	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.00	21.50	21.50	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.95	22.02	21.92	23.0	0.0	

n2_Ant 1 (DS1 7/8/9/10/11/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch / Freq	Power Main Ch / Freq	Power Pch / Freq	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PUS-BPSK	1	1	22.75	22.75	22.71			
40	PUS-BPSK	1	108	22.75	22.75	22.71	24.0	0.0	
40	PUS-BPSK	1	214	22.01	22.05	22.07			
40	PUS-BPSK	108	0	21.50	21.58	21.50	23.5	0.5	
40	PUS-BPSK	108	54	22.50	22.03	22.08	24.0	0.0	
40	PUS-BPSK	108	108	21.50	21.57	21.58			
40	PUS-BPSK	216	0	21.53	21.58	21.57	23.5	0.5	
40	QPSK	1	1	22.50	22.63	22.50			
40	QPSK	1	108	22.13	22.18	22.24	24.0	0.0	
40	QPSK	1	214	22.20	22.24	22.28			
40	QPSK	108	0	21.54	21.60	21.60	23.0	1.0	
40	QPSK	108	54	21.73	22.32	21.73	24.0	0.0	
40	QPSK	108	108	21.68	21.71	21.87	23.0	1.0	
40	HS-SSM	1	1	21.70	21.71	21.68	23.0	1.0	
40	HS-SSM	1	1	19.50	19.54	19.50	21.5	4.5	
40	HS-SSM	1	1	17.50	17.63	17.50	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.50	22.49	22.45	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.47	22.58	22.42	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.40	22.48	22.38	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.39	22.50	22.45	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.37	22.62	22.48	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.38	22.58	22.44	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.40	22.58	22.38	24.0	0.0	

n5_Ant 0(DSI 6/8/9/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch / Freq	Power Main Ch / Freq	Power Pch / Freq	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
30	PUS-BPSK	1	1	23.48	23.53	23.52			
30	PUS-BPSK	1	54	23.50	23.50	23.49	24.0	0.0	
30	PUS-BPSK	1	104	23.48	23.51	23.43			
30	PUS-BPSK	50	5	23.54	23.49	23.50	24.0	0.0	
30	PUS-BPSK	100	28	23.50	23.54	23.51	24.0	0.0	
30	PUS-BPSK	100	56	23.50	23.51	23.49			
30	PUS-BPSK	100	0	23.45	23.50	23.41	24.0	0.0	
30	QPSK	1	1	23.50	23.42	23.43			
30	QPSK	1	53	23.50	23.52	23.41	24.0	0.0	
30	QPSK	1	104	23.49	23.50	23.49			
30	QPSK	50	0	23.45	23.51	23.41	24.0	0.0	
30	QPSK	100	28	23.50	23.48	23.41	24.0	0.0	
30	QPSK	100	56	23.50	23.57	23.50			
30	HS-SSM	1	1	23.43	23.51	23.40	24.0	0.0	
30	HS-SSM	1	1	21.50	21.50	21.50	24.0	0.0	
30	HS-SSM	1	1	21.51	21.52	21.51	23.5	1.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.50	23.53	23.50	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.46	23.49	23.45	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.45	23.53	23.45	24.0	0.0	

n5_Ant 1(DSI 7/8/9/10/11/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch / Freq	Power Main Ch / Freq	Power Pch / Freq	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
30	PUS-BPSK	1	1	22.46	22.49	22.43			
30	PUS-BPSK	1	54	22.58	22.62	22.50	24.0	0.0	
30	PUS-BPSK	1	104	22.50	22.64	22.57			
30	PUS-BPSK	50	5	22.52	22.58	22.53	23.5	0.5	
30	PUS-BPSK	100	28	22.54	22.65	22.63	24.0	0.0	
30	PUS-BPSK	100	56	22.50	22.58	22.50			
30	PUS-BPSK	100	0	21.85	21.95	21.85	23.5	0.5	
30	QPSK	1	1	22.50	22.75	22.75			
30	QPSK	1	53	22.64	22.65	22.62	24.0	0.0	
30	QPSK	1	104	22.50	22.63	22.50			
30	QPSK	50	0	21.80	21.91	21.80	23.0	1.0	
30	QPSK	100	28	21.90	22.58	21.91	24.0	0.0	
30	QPSK	100	56	21.86	21.92	21.86	23.0	1.0	
30	QPSK	100	0	21.45	21.60	21.45	23.0	1.0	
30	SSA-M	1	1	20.45	20.72	20.47	21.0	2.0	
30	SSA-M	1	1	18.02	18.14	18.11	19.5	4.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.56	22.75	22.64	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.59	22.84	22.72	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.68	22.71	22.71	24.0	0.0	

n7_Ant 0(DSI 6/8/9/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PL2-BPSK	1	1	23.00	23.00	23.07			
40	PL2-BPSK	1	108	23.00	23.12	23.09	24.0	0.0	
40	PL2-BPSK	1	214	23.00	23.12	23.11			
40	PL2-BPSK	108	0	23.07	23.08	23.09	24.0	0.0	
40	PL2-BPSK	108	54	23.10	23.10	23.09	24.0	0.0	
40	PL2-BPSK	108	108	23.10	23.14	23.13	24.0	0.0	
40	PL2-BPSK	216	0	23.07	23.14	23.09			
40	QPSK	1	1	23.00	23.17	23.13			
40	QPSK	1	108	23.00	23.12	23.11	24.0	0.0	
40	QPSK	1	214	23.00	23.08	23.09			
40	QPSK	108	0	23.00	23.08	23.09	24.0	0.0	
40	QPSK	108	54	23.10	23.11	23.07	24.0	0.0	
40	QPSK	108	108	23.00	23.08	23.07	24.0	0.0	
40	QPSK	216	0	23.00	23.08	23.07	24.0	0.0	
40	16QAM	1	1	23.00	23.10	23.07	24.0	0.0	
40	16QAM	1	1	23.00	23.10	23.07	24.0	0.0	
40	256QAM	1	1	23.00	23.08	23.07	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.00	23.08	23.07	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.00	23.10	23.09	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.00	23.10	23.09	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.00	23.14	23.08	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.00	23.07	23.07	24.0	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	23.00	23.08	23.07	24.0	0.0	

n12_Ant 0(DSI 6/8/9/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
10	PL2-BPSK	1	1	23.00	23.00	23.00			
10	PL2-BPSK	1	40	23.00	23.05	23.07	24.0	0.0	
10	PL2-BPSK	1	77	23.00	23.01	23.07			
10	PL2-BPSK	36	0	23.00	23.07	23.00	24.0	0.0	
10	PL2-BPSK	36	22	23.04	23.04	23.00	24.0	0.0	
10	PL2-BPSK	36	40	23.00	23.00	23.00			
10	PL2-BPSK	70	0	23.07	23.07	23.00	24.0	0.0	
10	QPSK	1	1	23.00	23.00	23.00			
10	QPSK	1	40	23.00	23.00	23.00	24.0	0.0	
10	QPSK	1	77	23.00	23.02	23.00			
10	QPSK	36	0	23.00	23.01	23.00	24.0	0.0	
10	QPSK	36	22	23.03	23.07	23.07	24.0	0.0	
10	QPSK	36	40	23.00	23.00	23.00	24.0	0.0	
10	16QAM	1	1	23.00	23.00	23.00	24.0	0.0	
10	16QAM	1	1	23.00	23.01	23.00	24.0	0.0	
10	256QAM	1	1	23.00	23.00	23.00	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.00	23.04	23.07	24.0	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	23.00	23.01	23.07	24.0	0.0	

n13_Ant 0(DSI 6/8/9/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
10	PL2-BPSK	1	1	23.00	23.00	23.00			
10	PL2-BPSK	1	36	23.00	23.00	23.07	24.0	0.0	
10	PL2-BPSK	1	50	23.00	23.00	23.07			
10	PL2-BPSK	20	0	23.00	23.00	23.00	24.0	0.0	
10	PL2-BPSK	20	14	23.00	23.00	23.00	24.0	0.0	
10	PL2-BPSK	20	27	23.00	23.00	23.00			
10	PL2-BPSK	36	0	23.07	23.07	23.00	24.0	0.0	
10	QPSK	1	1	23.00	23.00	23.00			
10	QPSK	1	20	23.00	23.01	23.00	24.0	0.0	
10	QPSK	1	50	23.00	23.00	23.00			
10	QPSK	20	0	23.00	23.00	23.00	24.0	0.0	
10	QPSK	20	14	23.00	23.00	23.00	24.0	0.0	
10	QPSK	20	27	23.00	23.00	23.00	24.0	0.0	
10	QPSK	36	0	23.00	23.00	23.00	24.0	0.0	
10	16QAM	1	1	23.00	23.00	23.00	24.0	0.0	
10	16QAM	1	1	23.00	23.00	23.00	24.0	0.0	
10	256QAM	1	1	23.00	23.00	23.00	24.0	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	23.00	23.00	23.00	24.0	0.0	

n14_Ant 4(DSI 10/11/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
10	PL2-BPSK	1	1	23.00	23.00	23.00			
10	PL2-BPSK	1	36	23.00	23.00	23.07	24.0	0.0	
10	PL2-BPSK	1	50	23.00	23.00	23.07			
10	PL2-BPSK	20	0	23.00	23.00	23.00	24.0	0.0	
10	PL2-BPSK	20	14	23.00	23.00	23.00	24.0	0.0	
10	PL2-BPSK	20	27	23.00	23.00	23.00			
10	PL2-BPSK	36	0	23.00	23.00	23.00	24.0	0.0	
10	QPSK	1	1	23.00	23.00	23.00			
10	QPSK	1	20	23.00	23.01	23.00	24.0	0.0	
10	QPSK	1	50	23.00	23.00	23.00			
10	QPSK	20	0	23.00	23.00	23.00	24.0	0.0	
10	QPSK	20	14	23.00	23.00	23.00	24.0	0.0	
10	QPSK	20	27	23.00	23.00	23.00	24.0	0.0	
10	QPSK	36	0	23.00	23.00	23.00	24.0	0.0	
10	16QAM	1	1	23.00	23.00	23.00	24.0	0.0	
10	16QAM	1	1	23.00	23.00	23.00	24.0	0.0	
10	256QAM	1	1	23.00	23.00	23.00	24.0	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	23.00	23.00	23.00	24.0	0.0	

n25_Ant 0(DSI 6/8/9/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch / Freq	Power Main Ch / Freq	Power Pch Ch / Freq	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				1870	1882.5	1890			
40	PUS-BPSK	1	1	22.50	22.48	22.48			
40	PUS-BPSK	1	108	22.48	22.58	22.45	23.0	0.0	
40	PUS-BPSK	1	214	22.46	22.49	22.42			
40	PUS-BPSK	108	8	22.51	22.58	22.43	23.0	0.0	
40	PUS-BPSK	108	54	22.47	22.58	22.42	23.0	0.0	
40	PUS-BPSK	108	108	22.50	22.58	22.45	23.0	0.0	
40	QPSK	1	1	22.53	22.48	22.58			
40	QPSK	1	108	22.48	22.58	22.44	23.0	0.0	
40	QPSK	1	214	22.48	22.54	22.37			
40	QPSK	108	0	22.49	22.58	22.46	23.0	0.0	
40	QPSK	108	54	22.51	22.57	22.51	23.0	0.0	
40	QPSK	108	108	22.46	22.55	22.48	23.0	0.0	
40	16QAM	1	1	22.50	22.47	22.38	23.0	0.0	
40	16QAM	1	1	22.50	22.51	22.48	23.0	0.0	
40	256QAM	1	1	22.50	22.51	22.48	23.0	0.0	
Channel									
Frequency (MHz)				37500	37600	37600	Time-up time (dBm)	MFR	
30	QPSK	1	1	22.47	22.54	22.48	23.0	0.0	
Channel									
Frequency (MHz)				37200	37300	37300	Time-up time (dBm)	MFR	
30	QPSK	1	1	22.44	22.47	22.50	23.0	0.0	
Channel									
Frequency (MHz)				37200	37300	37300	Time-up time (dBm)	MFR	
30	QPSK	1	1	22.53	22.54	22.48	23.0	0.0	
Channel									
Frequency (MHz)				37500	37600	38100	Time-up time (dBm)	MFR	
20	QPSK	1	1	22.54	22.51	22.57	23.0	0.0	
Channel									
Frequency (MHz)				37500	37600	38100	Time-up time (dBm)	MFR	
10	QPSK	1	1	22.50	22.57	22.43	23.0	0.0	
Channel									
Frequency (MHz)				37500	37600	38200	Time-up time (dBm)	MFR	
10	QPSK	1	1	22.47	22.51	22.48	23.0	0.0	
Channel									
Frequency (MHz)				1882.5	1882.5	1812.5	Time-up time (dBm)	MFR	
5	QPSK	1	1	22.53	22.52	22.48	23.0	0.0	

n26(FCC)_Ant 0(DSI 6/8/9/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch / Freq	Power Main Ch / Freq	Power Pch Ch / Freq	Time-up time (dBm)	MFR (dB)	
Channel									
Channel Frequency (MHz)				824	811.5	809			
20	PUS-BPSK	1	1	23.43	23.56	23.54			
20	PUS-BPSK	1	81	23.53	23.58	23.47	24.0	0.0	
20	PUS-BPSK	1	164	23.40	23.54	23.52			
20	PUS-BPSK	80	0	23.44	23.53	23.58	24.0	0.0	
20	PUS-BPSK	80	36	23.52	23.57	23.58	24.0	0.0	
20	PUS-BPSK	160	0	23.47	23.51	23.46	24.0	0.0	
20	PUS-BPSK	160	8	23.58	23.58	23.57	24.0	0.0	
20	QPSK	1	1	23.58	23.62	23.53			
20	QPSK	1	81	23.48	23.58	23.47	24.0	0.0	
20	QPSK	1	164	23.47	23.58	23.46			
20	QPSK	80	0	23.52	23.62	23.46	24.0	0.0	
20	QPSK	80	36	23.51	23.58	23.51	24.0	0.0	
20	QPSK	160	0	23.46	23.52	23.38	24.0	0.0	
20	QPSK	160	8	23.49	23.57	23.52	24.0	0.0	
20	16QAM	1	1	23.46	23.51	23.46	24.0	0.0	
20	16QAM	1	1	23.41	23.47	23.40	24.0	1.0	
20	256QAM	1	1	21.59	21.53	21.40	22.0	2.0	
Channel									
Channel Frequency (MHz)				18450	18500	18500			
10	QPSK	1	1	23.51	23.59	23.50	24.0	0.0	
Channel									
Channel Frequency (MHz)				818	811.5	804			
10	QPSK	1	1	23.55	23.47	23.51	24.0	0.0	
Channel									
Channel Frequency (MHz)				818.5	811.5	808.0			
5	QPSK	1	1	23.45	23.48	23.41	24.0	0.0	

n30_Ant 0(DSI 6/8/9/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch / Freq	Power Main Ch / Freq	Power Pch Ch / Freq	Time-up (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				2310					
10	PUS-BPSK	1	1	23.18					
10	PUS-BPSK	1	36	23.21			24.0	0.0	
10	PUS-BPSK	1	50	23.17					
10	PUS-BPSK	36	0	23.18			24.0	0.0	
10	PUS-BPSK	36	14	23.15			24.0	0.0	
10	PUS-BPSK	72	0	23.18			24.0	0.0	
10	PUS-BPSK	72	37	23.18			24.0	0.0	
10	QPSK	1	1	23.24					
10	QPSK	1	36	23.19			24.0	0.0	
10	QPSK	1	50	23.18					
10	QPSK	36	0	23.18			24.0	0.0	
10	QPSK	36	14	23.22			24.0	0.0	
10	QPSK	72	0	23.18			24.0	0.0	
10	QPSK	72	37	23.18			24.0	0.0	
10	16QAM	1	1	23.18			24.0	0.0	
10	16QAM	1	1	23.00			24.0	0.0	
10	256QAM	1	1	21.75			23.0	1.0	
Channel									
Frequency (MHz)				45100	45200	45200			
5	QPSK	1	1	23.13	23.20	23.12	24.0	0.0	

n30_Ant 1(DSI 7/8/9/10/11/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch / Freq	Power Main Ch / Freq	Power Pch Ch / Freq	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
10	PUS-BPSK	1	1	23.40					
10	PUS-BPSK	1	36	23.43			24.0	0.0	
10	PUS-BPSK	1	50	23.42					
10	PUS-BPSK	36	0	23.40			23.5	0.0	
10	PUS-BPSK	36	14	23.37			24.0	0.0	
10	PUS-BPSK	72	0	23.44			23.5	0.0	
10	PUS-BPSK	72	37	23.40			23.5	0.0	
10	QPSK	1	1	23.47					
10	QPSK	1	36	23.44			24.0	0.0	
10	QPSK	1	50	23.48					
10	QPSK	36	0	23.46			23.0	1.0	
10	QPSK	36	14	23.52			24.0	0.0	
10	QPSK	72	0	23.48			23.0	1.0	
10	QPSK	72	37	23.43			23.0	1.0	
10	16QAM	1	1	21.53			21.0	2.0	
10	256QAM	1	1	18.00			19.0	4.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.48	22.43	22.50	24.0	0.0	

n66_Ant 0(DSI 6/8/9/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	21.60	21.68	21.64			
40	PSS-BPSK	1	104	21.70	21.78	21.63	22.5	0.0	
40	PSS-BPSK	1	214	21.81	21.73	21.75			
40	PSS-BPSK	104	0	21.73	21.68	21.68	22.5	0.0	
40	PSS-BPSK	104	54	21.73	21.71	21.62	22.5	0.0	
40	PSS-BPSK	104	104	21.60	21.76	21.61			
40	PSS-BPSK	214	0	21.70	21.81	21.74	22.5	0.0	
40	QPSK	1	1	21.72	21.62	21.74			
40	QPSK	1	104	21.72	21.77	21.70	22.5	0.0	
40	QPSK	1	214	21.60	21.70	21.65			
40	QPSK	104	0	21.60	21.71	21.65	22.5	0.0	
40	QPSK	104	54	21.60	21.77	21.71	22.5	0.0	
40	QPSK	104	104	21.60	21.75	21.72	22.5	0.0	
40	QPSK	214	0	21.70	21.77	21.62	22.5	0.0	
40	16QAM	1	1	21.60	21.76	21.68	22.5	0.0	
40	16QAM	1	1	21.61	21.74	21.67	22.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.60	21.70	21.71	22.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.67	21.68	21.61	22.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.60	21.60	21.60	Time-up time (dBm)	MFR	
20	QPSK	1	1	21.64	21.60	21.71	22.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.70	21.73	21.62	22.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.60	21.60	21.61	Time-up time (dBm)	MFR	
10	QPSK	1	1	21.60	21.60	21.75	22.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.70	21.67	21.74	22.5	0.0	

n66_Ant 1(DSI 7/8/9/10/11/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	22.28	22.40	22.30			
40	PSS-BPSK	1	104	22.35	22.38	22.27	24.0	0.0	
40	PSS-BPSK	1	214	22.28	22.39	22.25			
40	PSS-BPSK	104	0	21.60	21.77	21.63	23.5	0.5	
40	PSS-BPSK	104	54	22.31	22.34	22.30	24.0	0.0	
40	PSS-BPSK	104	104	21.67	21.76	21.60			
40	PSS-BPSK	214	0	21.71	21.79	21.67	23.5	0.0	
40	QPSK	1	1	22.30	22.37	22.31			
40	QPSK	1	104	22.79	22.86	22.81	24.0	0.0	
40	QPSK	1	214	22.60	22.64	22.50			
40	QPSK	104	0	21.74	21.80	21.70	23.0	1.0	
40	QPSK	104	54	22.71	22.82	22.75	24.0	0.0	
40	QPSK	104	104	21.81	21.43	21.40	23.0	1.0	
40	QPSK	214	0	21.29	21.35	21.31			
40	16QAM	1	1	21.70	21.83	21.77	23.0	1.0	
40	16QAM	1	1	20.20	20.32	20.26	21.5	0.5	
40	16QAM	1	1	17.73	17.83	17.70	19.5	-0.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.50	22.52	22.50	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.62	22.65	22.59	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.60	22.60	22.60	Time-up time (dBm)	MFR	
20	QPSK	1	1	22.60	22.60	22.60	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.61	22.60	22.61	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.60	22.58	22.58	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.67	22.65	22.65	24.0	0.0	

n71_Ant 0(DSI 6/8/9/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
30	PSS-BPSK	1	1	23.19	23.67	23.57			
30	PSS-BPSK	1	53	23.42	23.58	23.52	24.0	0.0	
30	PSS-BPSK	1	104	23.46	23.50	23.47			
30	PSS-BPSK	50	0	23.39	23.68	23.59	24.0	0.0	
30	PSS-BPSK	50	24	23.60	23.64	23.61	24.0	0.0	
30	PSS-BPSK	50	104	23.51	23.62	23.57			
30	PSS-BPSK	100	0	23.48	23.63	23.62	24.0	0.0	
30	QPSK	1	1	23.70	23.70	23.72			
30	QPSK	1	53	23.46	23.60	23.52	24.0	0.0	
30	QPSK	1	104	23.38	23.50	23.50			
30	QPSK	50	0	23.34	23.69	23.49	24.0	0.0	
30	QPSK	50	24	23.57	23.68	23.57	24.0	0.0	
30	QPSK	50	104	23.47	23.53	23.58	24.0	0.0	
30	QPSK	100	0	23.52	23.60	23.59	24.0	0.0	
30	16QAM	1	1	23.62	23.68	23.60	24.0	0.0	
30	16QAM	1	1	22.94	23.71	23.49	24.0	0.0	
30	16QAM	1	1	22.98	22.78	22.73	22.5	1.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.38	23.63	23.64	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.70	23.66	23.65	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.64	23.63	23.65	24.0	0.0	

n38_Ant_0(DSI 6/8/9/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (min)	MPL (dB)	
Channel									
Frequency (MHz)									
40	PUSC	1	1	23.51	23.53	23.43		24.0	0.0
40	PUSC	1	81	23.41	23.48	23.37			
40	PUSC	1	104	23.37	23.32	23.47			
40	PUSC	50	0	23.45	23.56	23.35	24.0	0.0	
40	PUSC	50	86	23.55	23.37	23.52	24.0	0.0	
40	PUSC	50	56	23.32	23.43	23.38	24.0	0.0	
40	PUSC	100	0	23.45	23.55	23.45			
40	PUSC	100	86	23.57	23.38	23.51			
40	QPSK	1	63	23.26	23.41	23.37	24.0	0.0	
40	QPSK	1	104	23.35	23.30	23.27			
40	QPSK	50	0	23.45	23.50	23.48	24.0	0.0	
40	QPSK	50	86	23.55	23.34	23.54	24.0	0.0	
40	QPSK	50	56	23.30	23.43	23.41			
40	QPSK	100	0	23.25	23.52	23.40	24.0	0.0	
40	QPSK	100	86	23.55	23.32	23.45	24.0	0.0	
40	QPSK	100	56	23.43	23.45	23.41	24.0	0.0	
40	SSB4QAM	1	1	23.35	23.45	23.41	24.0	0.0	
40	SSB4QAM	1	1	23.35	23.45	23.41	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.55	23.56	23.46	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.47	23.48	23.48	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.51	23.49	23.48	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.55	23.49	23.48	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.41	23.49	23.43	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.58	23.58	23.42	24.0	0.0	

n38_Ant_1(DSI 7/8/9/10/11/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (min)	MPL (dB)	
Channel									
Frequency (MHz)									
40	PUSC	1	1	19.83	19.85	19.78		21.5	0.0
40	PUSC	1	81	19.84	19.85	19.85			
40	PUSC	1	104	19.83	19.85	19.78			
40	PUSC	50	0	19.88	19.88	19.77	21.5	0.0	
40	PUSC	50	86	19.82	19.83	19.87	21.5	0.0	
40	PUSC	50	56	19.82	19.84	19.84	21.5	0.0	
40	PUSC	100	0	19.80	19.80	19.85			
40	QPSK	1	1	19.83	19.88	19.83			
40	QPSK	1	63	19.81	19.88	19.82	21.5	0.0	
40	QPSK	1	104	19.82	19.85	19.75			
40	QPSK	50	0	19.82	19.85	19.88	21.5	0.0	
40	QPSK	50	86	19.83	19.83	19.83			
40	QPSK	50	56	19.88	19.80	19.77			
40	QPSK	100	0	19.87	19.80	19.78	21.5	0.0	
40	QPSK	100	86	19.85	19.82	19.75	21.5	0.0	
40	QPSK	100	56	19.88	19.73	19.88	21.5	0.0	
40	SSB4QAM	1	1	17.83	17.84	17.77	18.5	2.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.83	19.88	19.83	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.81	19.88	19.78	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.81	19.87	19.77	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.84	19.81	19.88	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.78	19.88	19.87	21.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	19.83	19.83	19.83	21.5	0.0	

FCC_n41_Ant_0(DSI 6/8/9/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (min)	MPL (dB)	
Channel									
Frequency (MHz)									
100	PUSC	1	1	23.61	23.62	23.60			
100	PUSC	1	137	23.58	23.58	23.59			
100	PUSC	1	271	23.58	23.58	23.59	24.0	0.0	
100	PUSC	136	0	23.18	23.20	23.24			
100	PUSC	136	86	23.27	23.27	23.28	24.0	0.0	
100	PUSC	136	136	23.21	23.23	23.14	24.0	0.0	
100	PUSC	270	0	23.32	23.32	23.33			
100	QPSK	1	1	23.33	23.62	23.35			
100	QPSK	1	137	23.33	23.11	23.57	24.0	0.0	
100	QPSK	1	271	23.35	23.34	23.32			
100	QPSK	136	0	23.19	23.28	23.11	24.0	0.0	
100	QPSK	136	86	23.24	23.27	23.21			
100	QPSK	136	136	23.18	23.22	23.08			
100	QPSK	270	0	23.18	23.20	23.15	24.0	0.0	
100	SSB4QAM	1	1	23.35	23.38	23.31	24.0	0.0	
100	SSB4QAM	1	1	23.31	23.38	23.25	24.0	0.0	
100	SSB4QAM	1	1	23.39	23.35	23.31	23.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.40	23.38	23.42	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.49	23.48	23.49	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.41	23.48	23.51	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.40	23.51	23.48	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.49	23.48	23.49	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.50	23.48	23.47	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.45	23.60	23.49	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.50	23.48	23.54	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.52	23.61	23.50	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.42	23.61	23.50	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.52	23.47	23.53	24.0	0.0	

FCC_n41_Ant_1(DSI 7/8/9/10/11/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (min)	MPL (dB)	
Channel									
Frequency (MHz)									
100	PUSC	1	1	19.97	20.00	19.95		21.5	0.0
100	PUSC	1	139	19.92	20.00	19.95		21.5	0.0
100	PUSC	1	271	19.88	20.00	19.98		21.5	0.0
100	PUSC	138	1	19.95	20.00	19.98	21.5	21.5	0.0
100	PUSC	138	8	19.87	20.07	19.88	21.5	21.5	0.0
100	PUSC	138	136	20.00	20.08	19.98	21.5	21.5	0.0
100	PUSC	138	270	19.92	20.00	19.94	21.5	21.5	0.0
100	QPSK	1	1	21.00	20.99	21.04			
100	QPSK	1	137	20.95	21.00	20.91		21.5	0.0
100	QPSK	1	273	20.93	21.00	20.93		21.5	0.0
100	QPSK	138	0	19.88	20.08	19.81		21.5	0.0
100	QPSK	138	8	19.80	20.08	19.83		21.5	0.0
100	QPSK	138	136	20.00	20.08	19.93		21.5	0.0
100	QPSK	138	270	0	19.94	20.09	19.94	21.5	0.0
100	QPSK	138	273	20.00	20.12	19.98	21.5	21.5	0.0
100	64QAM	1	1	19.91	20.11	19.90	21.5	21.5	0.0
100	256QAM	1	1	19.89	20.09	19.88	21.5	21.5	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	19.94	20.04	19.94		21.5	0.0
90	QPSK	1	139	19.92	20.04	19.90		21.5	0.0
90	QPSK	1	271	19.88	20.04	19.88		21.5	0.0
90	QPSK	138	1	19.95	20.04	19.98	21.5	21.5	0.0
90	QPSK	138	8	19.87	20.07	19.88	21.5	21.5	0.0
90	QPSK	138	136	20.00	20.08	19.98	21.5	21.5	0.0
90	QPSK	138	270	19.92	20.04	19.94	21.5	21.5	0.0
90	QPSK	138	273	20.00	20.08	19.93	21.5	21.5	0.0
80	QPSK	1	1	19.94	20.04	19.94		21.5	0.0
80	QPSK	1	139	19.92	20.04	19.90		21.5	0.0
80	QPSK	1	271	19.88	20.04	19.88		21.5	0.0
80	QPSK	138	1	19.95	20.04	19.98	21.5	21.5	0.0
80	QPSK	138	8	19.87	20.07	19.88	21.5	21.5	0.0
80	QPSK	138	136	20.00	20.08	19.98	21.5	21.5	0.0
80	QPSK	138	270	19.92	20.04	19.94	21.5	21.5	0.0
80	QPSK	138	273	20.00	20.08	19.93	21.5	21.5	0.0
70	QPSK	1	1	19.94	20.04	19.94		21.5	0.0
70	QPSK	1	139	19.92	20.04	19.90		21.5	0.0
70	QPSK	1	271	19.88	20.04	19.88		21.5	0.0
70	QPSK	138	1	19.95	20.04	19.98	21.5	21.5	0.0
70	QPSK	138	8	19.87	20.07	19.88	21.5	21.5	0.0
70	QPSK	138	136	20.00	20.08	19.98	21.5	21.5	0.0
70	QPSK	138	270	19.92	20.04	19.94	21.5	21.5	0.0
70	QPSK	138	273	20.00	20.08	19.93	21.5	21.5	0.0
60	QPSK	1	1	19.94	20.04	19.94		21.5	0.0
60	QPSK	1	139	19.92	20.04	19.90		21.5	0.0
60	QPSK	1	271	19.88	20.04	19.88		21.5	0.0
60	QPSK	138	1	19.95	20.04	19.98	21.5	21.5	0.0
60	QPSK	138	8	19.87	20.07	19.88	21.5	21.5	0.0
60	QPSK	138	136	20.00	20.08	19.98	21.5	21.5	0.0
60	QPSK	138	270	19.92	20.04	19.94	21.5	21.5	0.0
60	QPSK	138	273	20.00	20.08	19.93	21.5	21.5	0.0
50	QPSK	1	1	19.94	20.04	19.94		21.5	0.0
50	QPSK	1	139	19.92	20.04	19.90		21.5	0.0
50	QPSK	1	271	19.88	20.04	19.88		21.5	0.0
50	QPSK	138	1	19.95	20.04	19.98	21.5	21.5	0.0
50	QPSK	138	8	19.87	20.07	19.88	21.5	21.5	0.0
50	QPSK	138	136	20.00	20.08	19.98	21.5	21.5	0.0
50	QPSK	138	270	19.92	20.04	19.94	21.5	21.5	0.0
50	QPSK	138	273	20.00	20.08	19.93	21.5	21.5	0.0
40	QPSK	1	1	19.94	20.04	19.94		21.5	0.0
40	QPSK	1	139	19.92	20.04	19.90		21.5	0.0
40	QPSK	1	271	19.88	20.04	19.88		21.5	0.0
40	QPSK	138	1	19.95	20.04	19.98	21.5	21.5	0.0
40	QPSK	138	8	19.87	20.07	19.88	21.5	21.5	0.0
40	QPSK	138	136	20.00	20.08	19.98	21.5	21.5	0.0
40	QPSK	138	270	19.92	20.04	19.94	21.5	21.5	0.0
40	QPSK	138	273	20.00	20.08	19.93	21.5	21.5	0.0
30	QPSK	1	1	19.94	20.04	19.94		21.5	0.0
30	QPSK	1	139	19.92	20.04	19.90		21.5	0.0
30	QPSK	1	271	19.88	20.04	19.88		21.5	0.0
30	QPSK	138	1	19.95	20.04	19.98	21.5	21.5	0.0
30	QPSK	138	8	19.87	20.07	19.88	21.5	21.5	0.0
30	QPSK	138	136	20.00	20.08	19.98	21.5	21.5	0.0
30	QPSK	138	270	19.92	20.04	19.94	21.5	21.5	0.0
30	QPSK	138	273	20.00	20.08	19.93	21.5	21.5	0.0
25	QPSK	1	1	19.94	20.04	19.94		21.5	0.0
25	QPSK	1	139	19.92	20.04	19.90		21.5	0.0
25	QPSK	1	271	19.88	20.04	19.88		21.5	0.0
25	QPSK	138	1	19.95	20.04	19.98	21.5	21.5	0.0
25	QPSK	138	8	19.87	20.07	19.88	21.5	21.5	0.0
25	QPSK	138	136	20.00	20.08	19.98	21.5	21.5	0.0
25	QPSK	138	270	19.92	20.04	19.94	21.5	21.5	0.0
25	QPSK	138	273	20.00	20.08	19.93	21.5	21.5	0.0
20	QPSK	1	1	19.94	20.04	19.94		21.5	0.0
20	QPSK	1	139	19.92	20.04	19.90		21.5	0.0
20	QPSK	1	271	19.88	20.04	19.88		21.5	0.0
20	QPSK	138	1	19.95	20.04	19.98	21.5	21.5	0.0
20	QPSK	138	8	19.87	20.07	19.88	21.5	21.5	0.0
20	QPSK	138	136	20.00	20.08	19.98	21.5	21.5	0.0
20	QPSK	138	270	19.92	20.04	19.94	21.5	21.5	0.0
20	QPSK	138	273	20.00	20.08	19.93	21.5	21.5	0.0
16	QPSK	1	1	19.94	20.04	19.94		21.5	0.0
16	QPSK	1	139	19.92	20.04	19.90		21.5	0.0
16	QPSK	1	271	19.88	20.04	19.88		21.5	0.0
16	QPSK	138	1	19.95	20.04	19.98	21.5	21.5	0.0
16	QPSK	138	8	19.87	20.07	19.88	21.5	21.5	0.0
16	QPSK	138	136	20.00	20.08	19.98	21.5	21.5	0.0
16	QPSK	138	270	19.92	20.04	19.94	21.5	21.5	0.0
16	QPSK	138	273	20.00	20.08	19.93	21.5	21.5	0.0
10	QPSK	1	1	19.94	20.04	19.94		21.5	0.0
10	QPSK	1	139	19.92	20.04	19.90		21.5	0.0
10	QPSK	1	271	19.88	20.04	19.88		21.5	0.0
10	QPSK	138	1	19.95	20.04	19.98	21.5	21.5	0.0
10	QPSK	138	8	19.87	20.07	19.88	21.5	21.5	0.0
10	QPSK	138	136	20.00	20.08	19.98	21.5	21.5	0.0
10	QPSK	138	270	19.92	20.04	19.94	21.5	21.5	0.0
10	QPSK	138	273	20.00	20.08	19.93	21.5	21.5	0.0

n48_Ant_0(DSI 6/8/9/12)											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (min)	MFR (dB)			
Channel											
Frequency (MHz)											
40	P12 BPSK	1	1	19.14	19.34	19.32	20.0	0.0			
40	P12 BPSK	1	81	19.24	19.32	19.23	20.0	0.0			
40	P12 BPSK	1	104	19.24	19.29	19.27	20.0	0.0			
40	P12 BPSK	50	0	19.13	19.36	19.22	20.0	0.0			
40	P12 BPSK	50	86	19.13	19.25	19.24	20.0	0.0			
40	P12 BPSK	50	96	19.18	19.37	19.36	20.0	0.0			
40	P12 BPSK	100	0	19.22	19.26	19.23	20.0	0.0			
40	QPSK	1	1	19.11	19.36	19.30	20.0	0.0			
40	QPSK	1	81	19.13	19.27	19.26	20.0	0.0			
40	QPSK	1	104	19.13	19.26	19.25	20.0	0.0			
40	QPSK	50	0	19.11	19.33	19.33	20.0	0.0			
40	QPSK	50	86	19.14	19.37	19.28	20.0	0.0			
40	QPSK	100	0	19.12	19.34	19.32	20.0	0.0			
40	QPSK	100	0	19.11	19.31	19.24	20.0	0.0			
40	BQAM	1	1	19.18	19.34	19.23	20.0	0.0			
40	BQAM	1	1	19.13	19.25	19.23	20.0	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	19.13	19.36	19.25	20.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	19.14	19.34	19.32	20.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	19.18	19.27	19.28	20.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	19.13	19.31	19.22	20.0	0.0			

n48_Ant_1(DSI 7/8/9/10/11/12)												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (min)	MFR (dB)				
Channel												
Frequency (MHz)												
40	P12 BPSK	1	1	21.64	21.69	21.62	23.0	0.0	0.0			
40	P12 BPSK	1	81	21.65	21.66	21.63						
40	P12 BPSK	1	104	21.65	21.71	21.65						
40	P12 BPSK	50	0	21.69	21.77	21.67	22.0	0.0	0.0			
40	P12 BPSK	50	86	21.69	21.73	21.70	22.0	0.0	0.0			
40	P12 BPSK	50	96	21.67	21.78	21.68	22.0	0.0	0.0			
40	P12 BPSK	100	0	21.74	21.76	21.75	23.0	0.0	0.0			
40	QPSK	1	1	21.71	21.75	21.72	23.0	0.0	0.0			
40	QPSK	1	81	21.66	21.72	21.68						
40	QPSK	1	104	21.66	21.72	21.65						
40	QPSK	50	0	20.92	20.88	20.83	23.0	0.0	0.0			
40	QPSK	50	86	20.91	20.92	20.90	23.0	0.0	0.0			
40	QPSK	50	96	20.83	20.85	20.80	23.0	0.0	0.0			
40	QPSK	100	0	20.71	20.73	20.68	22.0	0.0	0.0			
40	BQAM	1	1	20.94	20.96	20.93	22.0	0.0	0.0			
40	BQAM	1	1	19.01	19.10	19.06	20.0	0.0	2.5			
40	BQAM	1	1	17.05	17.11	16.90	18.0	0.0	4.5			
Channel												
Frequency (MHz)												
30	QPSK	1	1	21.63	21.74	21.63	23.0	0.0	0.0			
Channel												
Frequency (MHz)												
20	QPSK	1	1	21.63	21.73	21.64	23.0	0.0	0.0			
Channel												
Frequency (MHz)												
15	QPSK	1	1	21.58	21.72	21.70	23.0	0.0	0.0			
Channel												
Frequency (MHz)												
10	QPSK	1	1	21.57	21.71	21.71	23.0	0.0	0.0			
Channel												
Frequency (MHz)												

Part27Q_n77_Ant_0(DSI 6/8/9/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	20.30	20.30	20.30	21.0	0.0	
100	P12 BPSK	1	137	20.30	20.30	20.30	21.0	0.0	
100	P12 BPSK	1	271	20.28	20.28	20.28	21.0	0.0	
100	P12 BPSK	136	0	20.38	20.38	20.38	21.0	0.0	
100	P12 BPSK	136	136	20.31	20.31	20.31	21.0	0.0	
100	P12 BPSK	136	136	20.32	20.32	20.32	21.0	0.0	
100	P12 BPSK	270	0	20.30	20.30	20.30	21.0	0.0	
100	QPSK	1	1	20.38	20.38	20.38	21.0	0.0	
100	QPSK	1	137	20.38	20.38	20.38	21.0	0.0	
100	QPSK	1	271	20.35	20.35	20.35	21.0	0.0	
100	QPSK	136	0	20.31	20.31	20.31	21.0	0.0	
100	QPSK	136	86	20.33	20.33	20.33	21.0	0.0	
100	QPSK	136	136	20.32	20.32	20.32	21.0	0.0	
100	QPSK	270	0	20.32	20.32	20.32	21.0	0.0	
100	BQAM	1	1	20.36	20.36	20.36	21.0	0.0	
100	BQAM	1	1	20.32	20.32	20.32	21.0	0.0	
100	BQAM	1	1	20.30	20.30	20.30	21.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.29	20.33	20.29	21.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.22	20.33	20.22	21.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.34	20.22	20.16	21.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.28	20.31	20.28	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.16	20.33	20.16	21.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.10	20.31	20.24	21.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.24	20.25	20.28	21.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.13	20.30	20.17	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.20	20.29	20.20	21.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.25	20.35	20.25	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.31	20.32	20.29	21.0	0.0	

Part27Q_n77_Ant_0(DSI 6/8/9/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	19.72	19.81	19.83	21.0	0.0	
100	P12 BPSK	1	139	19.82	19.80	19.72	21.0	0.0	
10	P12 BPSK	1	271	19.71	19.80	19.80	21.0	0.0	
100	P12 BPSK	138	138	19.83	19.82	19.83	21.0	0.0	
100	P12 BPSK	138	138	19.83	19.79	19.84	21.0	0.0	
100	P12 BPSK	138	138	19.83	19.75	19.70	21.0	0.0	
100	P12 BPSK	138	138	19.83	19.82	19.80	21.0	0.0	
100	QPSK	1	1	19.72	19.82	19.71	21.0	0.0	
100	QPSK	1	139	19.80	19.80	19.80	21.0	0.0	
100	QPSK	138	138	19.82	19.80	19.80	21.0	0.0	
100	QPSK	138	0	19.87	19.74	19.80	21.0	0.0	
100	QPSK	138	138	19.87	19.80	19.80	21.0	0.0	
100	QPSK	138	138	19.74	19.71	19.88	21.0	0.0	
100	QPSK	219	0	19.87	19.70	19.80	21.0	0.0	
100	QPSK	219	0	19.74	19.75	19.87	21.0	0.0	
100	64QAM	1	1	19.75	19.88	19.72	21.0	0.0	
100	256QAM	1	1	19.83	19.79	19.83	19.83	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.72	19.72	19.72	21.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.74	19.74	19.74	21.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.74	19.74	19.74	21.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.74	19.77	19.73	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.74	19.76	19.76	21.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.74	19.81	19.73	21.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.74	19.88	19.80	21.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.73	19.68	19.74	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.73	19.64	19.69	21.0	0.0	
Channel									
Frequency (MHz)									
16	QPSK	1	1	19.73	19.72	19.74	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.68	19.50	19.60	21.0	0.0	

Part27Q(HPUe)_n77_Ant 0(DSI 6/8/9/12)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./F.Freq.	Power Lvl Ch./F.Freq.	Power Lvl Ch./F.Freq.	Power Lvl Ch./F.Freq.	Turn-up time (min)	MFR (dB)	
Channel										
Frequency (MHz)										
100	P12 BPSK	1	1	20.30				21.0	0.0	
100	P12 BPSK	1	137	20.30						
100	P12 BPSK	1	271	20.28						
100	P12 BPSK	135	0	20.30				21.0	0.0	
100	P12 BPSK	135	86	20.31				21.0	0.0	
100	P12 BPSK	135	138	20.30				21.0	0.0	
100	QPSK	1	1	20.30						
100	QPSK	1	137	20.30				21.0	0.0	
100	QPSK	1	271	20.28						
100	QPSK	135	0	20.31						
100	QPSK	135	86	20.33				21.0	0.0	
100	QPSK	135	138	20.32						
100	QPSK	270	0	20.30				21.0	0.0	
100	8QAM	1	1	20.32				21.0	0.0	
100	8QAM	1	1	20.32				21.0	0.0	
Channel										
Frequency (MHz)										
50	QPSK	1	1	20.29	63300	63300	63300	Turn-up time (min)	MFR (dB)	
Channel										
Frequency (MHz)										
50	QPSK	1	1	20.22	63332	63400	63400	Turn-up time (min)	MFR (dB)	
Channel										
Frequency (MHz)										
50	QPSK	1	1	20.22	20.30	20.22	20.30	21.0	0.0	
Channel										
Frequency (MHz)										
70	QPSK	1	1	20.34	20.29	20.18	20.10	21.0	0.0	
Channel										
Frequency (MHz)										
80	QPSK	1	1	20.30	20.31	20.28	20.10	21.0	0.0	
Channel										
Frequency (MHz)										
40	QPSK	1	1	20.31	20.29	20.24	20.10	21.0	0.0	
Channel										
Frequency (MHz)										
30	QPSK	1	1	20.24	20.25	20.28	20.10	21.0	0.0	
Channel										
Frequency (MHz)										
25	QPSK	1	1	20.32	20.27	20.20	20.10	21.0	0.0	
Channel										
Frequency (MHz)										
20	QPSK	1	1	20.29	20.10	20.10	20.10	21.0	0.0	
Channel										
Frequency (MHz)										
15	QPSK	1	1	20.30	20.20	20.20	20.10	21.0	0.0	
Channel										
Frequency (MHz)										
10	QPSK	1	1	20.31	20.30	20.30	20.10	21.0	0.0	

Part27O(HPUe)_n77_Ant 0(DSI 6/8/9/12)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./F.Freq.	Power Lvl Ch./F.Freq.	Power Lvl Ch./F.Freq.	Power Lvl Ch./F.Freq.	Turn-up time (min)	MFR (dB)	
Channel										
Frequency (MHz)										
100	P12 BPSK	1	1	19.72	19.81	19.83		21.0	0.0	
100	P12 BPSK	1	137	19.82	19.83	19.72				
100	P12 BPSK	1	271	19.71	19.69	19.68				
100	P12 BPSK	135	0	19.82	19.71	19.68		21.0	0.0	
100	P12 BPSK	135	86	19.83	19.79	19.64		21.0	0.0	
100	P12 BPSK	135	138	19.69	19.75	19.70		21.0	0.0	
100	P12 BPSK	270	0	19.82	19.83	19.70				
100	QPSK	1	1	19.72	19.82	19.70				
100	QPSK	1	137	19.85	19.89	19.88		21.0	0.0	
100	QPSK	1	271	19.71	19.71	19.70				
100	QPSK	135	0	19.87	19.74	19.68		21.0	0.0	
100	QPSK	135	86	19.82	19.71	19.68				
100	QPSK	135	138	19.74	19.71	19.68				
100	QPSK	270	0	19.67	19.70	19.68		21.0	0.0	
100	8QAM	1	1	19.82	19.78	19.67		21.0	0.0	
100	8QAM	1	1	19.25	19.68	19.72		21.0	0.0	
100	8QAM	1	1	19.82	19.78	19.71		21.0	0.0	
Channel										
Frequency (MHz)										
50	QPSK	1	1	19.70	19.78	19.70		21.0	0.0	
Channel										
Frequency (MHz)										
80	QPSK	1	1	19.74	19.78	19.65		21.0	0.0	
Channel										
Frequency (MHz)										
70	QPSK	1	1	19.35	19.78	19.68		21.0	0.0	
Channel										
Frequency (MHz)										
60	QPSK	1	1	19.81	19.77	19.93		21.0	0.0	
Channel										
Frequency (MHz)										
50	QPSK	1	1	19.84	19.70	19.80		21.0	0.0	
Channel										
Frequency (MHz)										
40	QPSK	1	1	19.74	19.81	19.75		21.0	0.0	
Channel										
Frequency (MHz)										
30	QPSK	1	1	19.64	19.68	19.69		21.0	0.0	
Channel										
Frequency (MHz)										
25	QPSK	1	1	19.35	19.68	19.74		21.0	0.0	
Channel										
Frequency (MHz)										
20	QPSK	1	1	19.82	19.78	19.87		21.0	0.0	
Channel										
Frequency (MHz)										
15	QPSK	1	1	19.87	19.72	19.80		21.0	0.0	
Channel										
Frequency (MHz)										
10	QPSK	1	1	19.48	19.80	19.85		21.0	0.0	

Part27Q_n77_Ant 1(DSI 7/8/9/10/11/12)										
BW (MHz)	Modulation	RB Size	RB Offset	Low Ch./F.Freq.	Power Lvl Ch./F.Freq.	Power Lvl Ch./F.Freq.	Power Lvl Ch./F.Freq.	Power Lvl Ch./F.Freq.	Turn-up time (min)	MFR (dB)
Channel										
Frequency (MHz)										
100	P12 BPSK	1	1	22.41						
100	P12 BPSK	1	137	22.45				23.0	0.0	
100	P12 BPSK	1	271	22.46						
100	P12 BPSK	135	0	22.48				23.0	0.0	
100	P12 BPSK	135	86	22.58				23.0	0.0	
100	P12 BPSK	135	138	22.60				23.0	0.0	
100	QPSK	1	1	22.45						
100	QPSK	1	137	22.46				23.0	0.0	
100	QPSK	1	271	22.57						
100	QPSK	135	0	22.50				23.0	0.0	
100	QPSK	135	86	22.58				23.0	0.0	
100	QPSK	135	138	22.65				23.0	0.0	
100	QPSK	270	0	22.56				23.0	0.0	
100	8QAM	1	1	22.45				23.0	0.0	
100	8QAM	1	1	22.52				23.0	0.0	
100	8QAM	1	1	22.59				23.0	0.0	
Channel										
Frequency (MHz)										
50	QPSK	1	1	22.48	22.47	22.48		23.0	0.0	
Channel										
Frequency (MHz)										
80	QPSK	1	1	22.42	22.37	22.41		23.0	0.0	
Channel										
Frequency (MHz)										
70	QPSK	1	1	22.35	22.48	22.39		23.0	0.0	
Channel										
Frequency (MHz)										
60	QPSK	1	1	22.46	22.41	22.33		23.0	0.0	
Channel										
Frequency (MHz)										
50	QPSK	1	1	22.43	22.39	22.38		23.0	0.0	
Channel										
Frequency (MHz)										
40	QPSK	1	1	22.39	22.35	22.30		23.0	0.0	
Channel										
Frequency (MHz)										
30	QPSK	1	1	22.35	22.37	22.33		23.0	0.0	
Channel										
Frequency (MHz)										
20	QPSK	1	1	22.30	22.35	22.30		23.0	0.0	
Channel										
Frequency (MHz)										
15	QPSK	1	1	22.29	22.29	22.29		23.0	0.0	
Channel										
Frequency (MHz)										
10	QPSK	1	1	22.26	22.26	22.24		23.0	0.0	

Part27Q(HPUE)_n77_Ant 1(DSI 7/8/9/10/11/12)														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)						
Channel														
Frequency (MHz)														
150	P1/2 BPSK	1	1	22.13			23.0	0.0						
150	P1/2 BPSK	1	137	22.12										
150	P1/2 BPSK	1	271	22.02										
150	P1/2 BPSK	135	0	22.12			23.0	0.0						
150	P1/2 BPSK	135	86	22.08										
150	P1/2 BPSK	135	138	22.13										
150	QPSK	1	1	22.14			23.0	0.0						
150	QPSK	1	137	22.12										
150	QPSK	1	271	22.12										
150	QPSK	135	0	22.05			23.0	0.0						
150	QPSK	135	86	22.13										
150	QPSK	135	138	22.13										
150	QPSK	135	138	22.13			23.0	0.0						
150	QPSK	270	0	22.15										
150	QPSK	270	1	22.01										
150	8QAM	1	1	22.12			23.0	0.0						
150	256QAM	1	1	21.95										
Channel														
Frequency (MHz)														
50	QPSK	1	1	22.05	633032	633688	Turn-up time (min)	MFR (dB)						
Channel														
Frequency (MHz)														
50	QPSK	1	1	22.05	633032	633688	Turn-up time (min)	MFR (dB)						
Channel														
Frequency (MHz)														
70	QPSK	1	1	21.84	22.08	22.03	23.0	0.0						
Channel														
Frequency (MHz)														
80	QPSK	1	1	21.84	22.08	22.04	23.0	0.0						
Channel														
Frequency (MHz)														
40	QPSK	1	1	21.80	22.01	22.03	23.0	0.0						
Channel														
Frequency (MHz)														
30	QPSK	1	1	21.80	22.04	22.08	23.0	0.0						
Channel														
Frequency (MHz)														
25	QPSK	1	1	21.81	22.02	22.07	23.0	0.0						
Channel														
Frequency (MHz)														
20	QPSK	1	1	21.80	22.10	22.09	23.0	0.0						
Channel														
Frequency (MHz)														
15	QPSK	1	1	21.80	22.08	22.10	23.0	0.0						
Channel														
Frequency (MHz)														
10	QPSK	1	1	21.80	22.00	22.04	23.0	0.0						

Part27Q(HPUE)_n77_Ant 1(DSI 7/8/9/10/11/12)														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)						
Channel														
Frequency (MHz)														
150	P1/2 BPSK	1	1	21.85	21.88	21.84	23.0	0.0						
150	P1/2 BPSK	1	137	21.83	22.07	21.84								
150	P1/2 BPSK	1	271	21.90	22.06	21.87								
150	P1/2 BPSK	135	0	21.89	21.93	21.89	23.0	0.0						
150	P1/2 BPSK	135	86	21.91	22.07	21.91								
150	P1/2 BPSK	135	138	21.85	21.94	21.85								
150	QPSK	1	1	21.83	22.08	21.84	23.0	0.0						
150	QPSK	1	137	21.86	22.05	21.86								
150	QPSK	1	271	21.92	22.05	21.91								
150	QPSK	135	0	21.87	22.03	21.88	23.0	0.0						
150	QPSK	135	86	21.92	22.03	21.92								
150	QPSK	135	138	21.88	22.01	21.84								
150	QPSK	270	0	21.86	22.00	21.86	23.0	0.0						
150	QPSK	270	1	21.95	22.01	21.95								
150	8QAM	1	1	21.91	21.93	21.90					23.0	0.0		
150	256QAM	1	1	21.72	21.75	21.74	23.0	0.0						
Channel														
Frequency (MHz)														
50	QPSK	1	1	21.92	21.98	21.91					23.0	0.0		
Channel														
Frequency (MHz)														
50	QPSK	1	1	21.92	22.00	21.80	23.0	0.0						
Channel														
Frequency (MHz)														
70	QPSK	1	1	21.89	21.94	21.85	23.0	0.0						
Channel														
Frequency (MHz)														
80	QPSK	1	1	21.87	22.03	21.80	23.0	0.0						
Channel														
Frequency (MHz)														
40	QPSK	1	1	21.83	21.99	21.83	23.0	0.0						
Channel														
Frequency (MHz)														
30	QPSK	1	1	21.83	21.98	21.91	23.0	0.0						
Channel														
Frequency (MHz)														
25	QPSK	1	1	21.85	21.95	21.85	23.0	0.0						
Channel														
Frequency (MHz)														
20	QPSK	1	1	21.82	21.98	21.81	23.0	0.0						
Channel														
Frequency (MHz)														
15	QPSK	1	1	21.83	21.99	21.80	23.0	0.0						
Channel														
Frequency (MHz)														
10	QPSK	1	1	21.85	21.99	21.84	23.0	0.0						

Part27Q_n78_Ant 0(DSI 6/8/9/12)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
150	P1/2 BPSK	1	1	22.20	22.35		21.0	0.0		
150	P1/2 BPSK	1	137	22.33						
150	P1/2 BPSK	1	271	22.26						
150	P1/2 BPSK	135	0	22.26			21.0	0.0		
150	P1/2 BPSK	135	86	22.34						
150	P1/2 BPSK	135	138	22.33						
150	QPSK	1	1	22.35			21.0	0.0		
150	QPSK	1	137	22.26						
150	QPSK	1	271	22.25						
150	QPSK	135	0	22.21			21.0	0.0		
150	QPSK	135	86	22.33						
150	QPSK	135	138	22.25						
150	QPSK	270	0	22.26			21.0	0.0		
150	16QAM	1	1	22.20	22.35		21.0	0.0		
150	64QAM	1	1	22.27	22.31		21.0	0.0		
150	256QAM	1	1	22.32	22.27		21.0	0.0		
90	Channel			63000	63352	63688				MFR
	Frequency (MHz)			22.24	22.35	22.37		21.0	0.0	
	Channel			63688	63352	63000				MFR
80	Channel			63352	63688	63000				MFR
	Frequency (MHz)			22.31	22.34	22.38		21.0	0.0	
	Channel			63000	63352	63688				MFR
70	Channel			63688	63352	63000				MFR
	Frequency (MHz)			22.33	22.32	22.30		21.0	0.0	
	Channel			63000	63352	63688				MFR
60	Channel			63000	63688	63352				MFR
	Frequency (MHz)			22.30	22.34	22.38		21.0	0.0	
	Channel			63688	63352	63000				MFR
50	Channel			63352	63688	63000				MFR
	Frequency (MHz)			22.31	22.34	22.38		21.0	0.0	
	Channel			63000	63352	63688				MFR
40	Channel			63688	63352	63000				MFR
	Frequency (MHz)			22.33	22.32	22.30		21.0	0.0	
	Channel			63000	63352	63688				MFR
30	Channel			63000	63688	63352				MFR
	Frequency (MHz)			22.30	22.34	22.38		21.0	0.0	
	Channel			63688	63352	63000				MFR
25	Channel			63352	63688	63000				MFR
	Frequency (MHz)			22.31	22.34	22.38		21.0	0.0	
	Channel			63000	63352	63688				MFR
20	Channel			63688	63352	63000				MFR
	Frequency (MHz)			22.33	22.32	22.30		21.0	0.0	
	Channel			63000	63352	63688				MFR
15	Channel			63000	63688	63352				MFR
	Frequency (MHz)			22.30	22.34	22.38		21.0	0.0	
	Channel			63688	63352	63000				MFR
10	Channel			63352	63688	63000				MFR
	Frequency (MHz)			22.31	22.34	22.38		21.0	0.0	
	Channel			63000	63352	63688				MFR

Part270_n78_Ant 1 (DSI 7/8/9/10/11/12)									
Est (MHz)	Multifactor	RIS Size	RIS Offset	Power Flux (mW)	Power Flux (mW)	Power Flux (mW)	Time-out (sec)	MPL (dB)	
Channel				Ch. Freq.	Ch. Freq.	Ch. Freq.			
Frequency (MHz)									
100	PRO BPSK	1	1	20.48	20.47	22.0	0.0		
100	PRO BPSK	1	137	20.48	20.47	22.0	0.0		
100	PRO BPSK	1	271	20.48	20.51	22.0	0.0		
100	PRO BPSK	135	1	20.50	20.49	22.0	0.0		
100	PRO BPSK	135	69	20.50	20.50	22.0	0.0		
100	PRO BPSK	135	139	20.50	20.51	22.0	0.0		
100	PRO BPSK	135	207	20.50	20.50	22.0	0.0		
100	QPSK	1	1	20.50	20.50	22.0	0.0		
100	QPSK	1	137	20.50	20.50	22.0	0.0		
100	QPSK	1	271	20.50	20.53	22.0	0.0		
100	QPSK	135	0	20.50	20.50	22.0	0.0		
100	QPSK	135	69	20.50	20.50	22.0	0.0		
100	QPSK	135	139	20.50	20.52	22.0	0.0		
100	QPSK	270	0	20.50	20.52	22.0	0.0		
100	16QAM	1	1	20.48	20.48	22.0	0.0		
100	64QAM	1	1	20.48	20.48	22.0	0.0		
Channel				65688	65688	65532	Time-out	MPL	
Frequency (MHz)				65688	65688	65532	Time-out	MPL	
90	QPSK	1	0	20.48	20.48	22.0	0.0		
Channel				66024	66024	66086	Time-out	MPL	
Frequency (MHz)				66024	66024	66086	Time-out	MPL	
80	QPSK	1	1	20.49	20.49	22.0	0.0		
Channel				66000	66000	66100	Time-out	MPL	
Frequency (MHz)				66000	66000	66100	Time-out	MPL	
70	QPSK	1	1	20.48	20.47	20.5	0.0		
Channel				66688	66688	66132	Time-out	MPL	
Frequency (MHz)				66688	66688	66132	Time-out	MPL	
60	QPSK	1	1	20.48	20.48	20.5	0.0		
Channel				66924	66924	66516	Time-out	MPL	
Frequency (MHz)				66924	66924	66516	Time-out	MPL	
50	QPSK	1	1	20.48	20.54	20.53	22.0	0.0	
Channel				67200	67200	67260	Time-out	MPL	
Frequency (MHz)				67200	67200	67260	Time-out	MPL	
40	QPSK	1	1	20.51	20.53	20.58	22.0	0.0	
Channel				67416	67416	67488	Time-out	MPL	
Frequency (MHz)				67416	67416	67488	Time-out	MPL	
30	QPSK	1	1	20.51	20.45	20.47	22.0	0.0	
Channel				67472	67472	67496	Time-out	MPL	
Frequency (MHz)				67472	67472	67496	Time-out	MPL	
25	QPSK	1	1	20.52	20.48	20.53	22.0	0.0	
Channel				67536	67536	67666	Time-out	MPL	
Frequency (MHz)				67536	67536	67666	Time-out	MPL	
20	QPSK	1	1	20.53	20.53	20.53	22.0	0.0	
Channel				67718	67718	67832	Time-out	MPL	
Frequency (MHz)				67718	67718	67832	Time-out	MPL	
15	QPSK	1	1	20.54	20.48	20.54	22.0	0.0	
Channel				68000	68000	68000	Time-out	MPL	
Frequency (MHz)				68000	68000	68000	Time-out	MPL	
10	QPSK	1	1	20.58	20.50	20.58	22.0	0.0	

Part27Q(HPUE)_n78_Ant 1(DSI 7/8/9/10/11/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Margin Ch./Freq.	Power Margin Ch./Freq.	Power Margin Ch./Freq.	Tune-up Interval (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PL2 BPSK	1	1	20.40					
100	PL2 BPSK	1	137	20.35			22.0	0.0	
100	PL2 BPSK	1	271	20.46					
100	PL2 BPSK	135	0	20.32			22.0	0.0	
100	PL2 BPSK	135	86	20.38			22.0	0.0	
100	PL2 BPSK	135	136	20.33			22.0	0.0	
100	PL2 BPSK	270	0	20.34					
100	QPSK	1	1	20.47					
100	QPSK	1	137	20.41			22.0	0.0	
100	QPSK	1	271	20.35					
100	QPSK	135	0	20.42			22.0	0.0	
100	QPSK	135	86	20.45					
100	QPSK	135	136	20.44					
100	QPSK	270	0	20.39			22.0	0.0	
100	84QAM	1	1	20.36			22.0	0.0	
100	84QAM	1	1	20.40			22.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.38	0.0000	0.0000			
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.39	0.0000	0.0000			
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.45	0.0000	0.0000			
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.46	0.0000	0.0000			
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.32	0.0000	0.0000			
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.41	0.0000	0.0000			
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.42	0.0000	0.0000			
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.45	0.0000	0.0000			
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.37	0.0000	0.0000			
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.43	0.0000	0.0000			
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.43	0.0000	0.0000			

Part27O(HPUE)_n78_Ant 1(DSI 7/8/9/10/11/12)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Margin Ch./Freq.	Power Margin Ch./Freq.	Power Margin Ch./Freq.	Tuneup Intvl (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PL2 BPSK	1	1	20.50					
100	PL2 BPSK	1	137	20.47			22.0	0.0	
100	PL2 BPSK	1	271	20.51					
100	PL2 BPSK	135	0	20.55			22.0	0.0	
100	PL2 BPSK	135	136	20.53			22.0	0.0	
100	QPSK	1	1	20.59					
100	QPSK	1	137	20.52			22.0	0.0	
100	QPSK	1	271	20.53					
100	QPSK	135	0	20.50			22.0	0.0	
100	QPSK	135	86	20.52					
100	QPSK	135	136	20.52					
100	QPSK	270	0	20.52			22.0	0.0	
100	84QAM	1	1	20.48			22.0	0.0	
100	84QAM	1	1	20.48			22.0	0.0	
100	84QAM	1	1	20.48			22.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.46	0.0000	0.0000			
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.49	0.0000	0.0000			
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.44	0.0000	0.0000			
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.44	0.0000	0.0000			
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.49	0.0000	0.0000			
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.51	0.0000	0.0000			
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.51	0.0000	0.0000			
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.57	0.0000	0.0000			
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.48	0.0000	0.0000			
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.54	0.0000	0.0000			
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.58	0.0000	0.0000			



2.4GHz WLAN													5GHz WLAN													6GHz WLAN												
Full Power													Semi-on Standalone													Semi-on Standalone												
Ant #7													Ant #6													Ant #7												
Mode	Channel	Frequency (MHz)	Ant #7		Ant #6		Ant #7		Ant #6		Ant #7		Ant #6		Ant #7		Ant #6		Ant #7		Ant #6		Ant #7		Duty Cycle %													
			Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit														
802.11a Mbps	1	2412	13.00	17.00	15.00	13.00	16.00	18.00	13.70	15.00	13.00	15.00	16.00	18.00	13.70	15.00	13.00	15.00	16.00	18.00	13.70	15.00	13.00	15.00	16.00	18.00	98.00											
	2	2417	15.00	17.00	15.00	17.00	16.37	20.00	15.00	17.00	15.00	17.00	16.37	20.00	15.00	17.00	15.00	17.00	16.37	20.00	15.00	17.00	15.00	17.00	16.37	20.00												
	3	2422	15.00	16.00	14.00	16.00	17.81	19.00	14.00	16.00	17.81	19.00	14.00	16.00	17.81	19.00	14.00	16.00	17.81	19.00	14.00	16.00	17.81	19.00	14.00	16.00												
	4	2427	15.00	15.00	15.00	17.00	18.31	20.00	15.00	17.00	15.00	17.00	18.31	20.00	15.00	17.00	15.00	17.00	18.31	20.00	15.00	17.00	15.00	17.00	18.31	20.00												
	5	2432	15.00	15.00	15.00	17.00	18.31	20.00	15.00	17.00	15.00	17.00	18.31	20.00	15.00	17.00	15.00	17.00	18.31	20.00	15.00	17.00	15.00	17.00	18.31	20.00												
	6	2437	15.00	15.00	15.00	17.00	18.31	20.00	15.00	17.00	15.00	17.00	18.31	20.00	15.00	17.00	15.00	17.00	18.31	20.00	15.00	17.00	15.00	17.00	18.31	20.00												
	7	2442	15.00	15.00	15.00	17.00	18.31	20.00	15.00	17.00	15.00	17.00	18.31	20.00	15.00	17.00	15.00	17.00	18.31	20.00	15.00	17.00	15.00	17.00	18.31	20.00												
	8	2447	15.00	15.00	15.00	17.00	18.31	20.00	15.00	17.00	15.00	17.00	18.31	20.00	15.00	17.00	15.00	17.00	18.31	20.00	15.00	17.00	15.00	17.00	18.31	20.00												
	9	2452	14.80	16.00	14.30	16.00	17.57	19.00	14.80	16.00	14.30	16.00	17.57	19.00	14.80	16.00	14.30	16.00	17.57	19.00	14.80	16.00	14.30	16.00	17.57	19.00												
802.11a+HT20 MCS0	1	2412	13.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	100.00											
	2	2417	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	3	2422	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	4	2427	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	5	2432	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	6	2437	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	7	2442	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	8	2447	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	9	2452	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
802.11a+HT40 MCS0	1	2412	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	100.00											
	2	2417	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	3	2422	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	4	2427	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	5	2432	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	6	2437	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	7	2442	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	8	2447	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	9	2452	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
802.11a+HE40 MCS0	1	2412	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	100.00											
	2	2417	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	3	2422	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	4	2427	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	5	2432	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	6	2437	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	7	2442	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	8	2447	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
	9	2452	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00	14.00	16.00	14.00	16.00	17.21	19.00												
802.11b+HT20 MCS0	6	2437	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	100.00											
	7	2442	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00												
	8	2447	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00												
	9	2452	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00												
	10	2457	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00												
	11	2462	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00												
	12	2467	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00												
	13	2472	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00												
	14	2477	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00	12.47	14.00												
802.11b+HT40 MCS0	6	2437	9.00	11.00	9.00	11.00	12.47	14.00	9.00	11.00	9.00	11.00</																										