



Full power&Default Power

OSM1500_Ant 6	Built Average Power (dBm)			Turn-up Limit (dBm)	Frame-Average Power (dBm)			Turn-up Limit
	1500	1500	1500		1500	1500	1500	
Frequency (MHz)	32.12	32.12	32.12	32.00	32.12	32.12	32.12	32.00
OSM1 Tx Limit	32.12	32.02	32.38	33.00	32.13	22.02	22.38	24.00
OPRS 1 Tx Limit	32.33	22.05	32.38	31.00	24.31	21.05	24.38	25.00
OPRS 2 Tx Limit	24.43	25.11	24.00	26.00	24.17	24.25	24.13	26.34
OPRS 3 Tx Limit	26.01	26.04	26.75	27.00	23.81	23.84	23.75	25.00
EDGE 1 Tx Limit	24.05	24.01	24.09	27.00	17.02	18.01	18.00	18.00
EDGE 2 Tx Limit	24.01	24.22	24.79	26.00	18.01	18.72	18.79	20.00
EDGE 3 Tx Limit	23.50	23.29	23.58	24.00	18.39	18.73	18.72	20.34
EDGE 4 Tx Limit	21.00	21.01	21.00	23.00	18.60	18.01	18.00	20.00

OSM1500_Ant 5	Built Average Power (dBm)			Turn-up Limit (dBm)	Frame-Average Power (dBm)			Turn-up Limit
	1500	1500	1500		1500	1500	1500	
Frequency (MHz)	32.12	32.00	32.00	32.00	32.12	32.00	32.00	32.00
OSM1 Tx Limit	29.00	29.41	29.03	30.00	30.00	20.41	30.03	31.00
OPRS 1 Tx Limit	29.00	29.47	27.00	30.00	27.00	26.00	27.00	31.00
OPRS 2 Tx Limit	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
OPRS 3 Tx Limit	26.15	26.01	26.14	27.00	21.00	21.01	21.00	22.74
OPRS 4 Tx Limit	24.45	24.75	24.45	26.00	21.52	21.50	21.53	23.00
EDGE 1 Tx Limit	26.15	26.00	26.12	27.00	17.10	18.00	17.10	18.00
EDGE 2 Tx Limit	25.71	25.71	25.71	26.00	18.11	18.00	18.00	18.00
EDGE 3 Tx Limit	23.00	23.24	23.01	24.00	18.80	18.46	18.75	20.34
EDGE 4 Tx Limit	22.12	21.00	21.04	23.00	18.12	18.01	18.00	20.00

Sine	WCCMA_V_Ant 6			Turn-up Limit (dBm)	WCCMA_V_Ant 5			Turn-up Limit	WCCMA_V_Ant 0			Turn-up Limit (dBm)
	9852	9852	9852		1512	1512	1512		4152	4152	4152	
Frequency (MHz)	9852	9852	9852	1512	1512	1512	1512	1512	4152	4152	4152	1512
ISPP-Rule0	23.28	23.49	23.30	24.00	23.17	23.40	23.38	24.00	23.04	23.11	23.01	24.00
ISPP-Rule1	23.29	23.29	23.22	24.00	23.19	23.42	23.41	24.00	23.05	23.12	23.02	24.00
ISPP-Rule2	22.25	22.19	22.25	23.00	22.22	22.46	22.38	23.00	21.99	22.01	21.95	23.00
ISPP-Rule3	22.27	22.07	22.24	23.00	22.23	22.09	22.07	23.00	21.98	22.01	21.97	23.00
ISPP-Rule4	21.83	22.01	21.74	22.00	21.72	21.95	22.08	22.00	21.43	21.55	21.47	22.00
ISPP-Rule5	22.51	22.60	22.41	23.00	22.22	22.30	22.27	23.00	21.99	21.99	21.99	23.00
ISPP-Rule6	22.08	22.05	22.08	23.00	22.23	22.23	22.23	23.00	21.99	21.08	21.99	23.00
ISPP-Rule7	22.03	22.15	22.07	22.00	21.72	22.00	21.91	22.00	21.99	21.55	21.44	22.00
ISPP-Rule8	22.08	22.09	22.00	22.00	21.72	21.80	22.01	22.00	21.43	21.31	21.41	22.00
ISPP-Rule9	22.27	22.03	22.26	23.00	22.17	22.44	22.46	23.00	21.95	22.04	21.90	23.00
ISPP-Rule10	22.30	22.01	22.27	21.00	22.10	22.44	22.50	21.00	18.00	20.00	18.00	21.00
ISPP-Rule11	21.30	21.52	21.21	22.00	21.23	21.43	21.50	22.00	20.50	21.00	20.83	22.00
ISPP-Rule12	20.28	20.48	20.34	21.00	20.10	20.41	20.50	21.00	19.91	19.99	19.90	21.00
ISPP-Rule13	20.35	20.01	20.25	23.00	20.15	20.40	20.45	23.00	21.90	22.02	21.90	23.00



Band 2_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Hb./F.Freq.	Power Lb./F.Freq.	Turnup Time (sec)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.72	22.62	22.79	24	0		
20	QPSK	1	4	22.72	22.62	22.79				
20	QPSK	1	8	22.72	22.62	22.79				
20	QPSK	1	12	22.72	22.62	22.79				
20	QPSK	50	0	21.77	21.67	21.86	23	1		
20	QPSK	50	4	21.77	21.67	21.86				
20	QPSK	50	8	21.77	21.67	21.86				
20	QPSK	50	12	21.77	21.67	21.86				
20	QPSK	100	0	21.80	21.64	21.80	23	1		
20	QPSK	100	4	21.80	21.64	21.80				
20	QPSK	100	8	21.80	21.64	21.80				
20	QPSK	100	12	21.80	21.64	21.80				
20	QPSK	1	48	21.84	22.04	21.94	22	2		
20	QPSK	1	52	22.04	22.24	21.94				
20	QPSK	1	56	22.04	22.24	21.94				
20	QPSK	1	60	22.04	22.24	21.94				
20	QPSK	50	24	20.83	20.59	20.83	21	3		
20	QPSK	50	28	20.83	20.59	20.83				
20	QPSK	50	32	20.83	20.59	20.83				
20	QPSK	50	36	20.83	20.59	20.83				
20	QPSK	100	0	19.82	19.95	19.79	19	5		
20	QPSK	100	4	19.82	19.95	19.79				
20	QPSK	100	8	19.82	19.95	19.79				
20	QPSK	100	12	19.82	19.95	19.79				
20	QPSK	1	80	17.85	18.17	17.81	19	5		
20	QPSK	1	84	17.85	18.17	17.81				
20	QPSK	1	88	17.85	18.17	17.81				
20	QPSK	1	92	17.85	18.17	17.81				
20	QPSK	50	56	17.85	17.82	17.81				
20	QPSK	50	60	17.85	17.82	17.81				
20	QPSK	50	64	17.85	17.82	17.81				
20	QPSK	50	68	17.85	17.82	17.81				
Channel										
				1857.4	1860.0	1858.3	Turnup Time (sec)	MPR (dB)		
Frequency (MHz)										
16	QPSK	1	0	22.24	22.08	22.24	24	0		
16	QPSK	1	32	22.40	22.24	22.40				
16	QPSK	1	64	22.56	22.40	22.56				
16	QPSK	1	96	22.72	22.56	22.72				
16	QPSK	25	0	21.48	21.32	21.48	23	1		
16	QPSK	25	20	21.69	21.56	21.73				
16	QPSK	25	40	21.79	21.67	21.83				
16	QPSK	25	60	21.89	21.80	21.87				
16	QPSK	1	0	21.69	21.56	21.69	23	1		
16	QPSK	1	32	21.85	21.72	21.91				
16	QPSK	1	64	22.01	21.88	22.19				
16	QPSK	1	96	22.17	22.04	22.28				
16	QPSK	25	0	21.56	21.43	21.56	22	2		
16	QPSK	25	20	21.77	21.64	21.80				
16	QPSK	25	40	21.87	21.74	21.95				
16	QPSK	25	60	21.97	21.84	22.07				
16	QPSK	1	0	20.75	21.09	20.90	22	2		
16	QPSK	1	32	20.93	21.27	21.04				
16	QPSK	1	64	21.11	21.45	21.22				
16	QPSK	1	96	21.29	21.63	21.40				
16	QPSK	25	0	19.62	19.94	19.54	21	3		
16	QPSK	25	20	19.89	20.21	19.76				
16	QPSK	25	40	19.99	20.31	19.86				
16	QPSK	25	60	20.09	20.41	19.96				
16	QPSK	50	0	17.91	18.01	17.90	19	5		
16	QPSK	50	24	17.89	17.99	17.88				
16	QPSK	50	48	17.87	17.97	17.86				
16	QPSK	50	72	17.85	17.95	17.84				
16	QPSK	100	0	17.82	18.00	17.83				
16	QPSK	100	24	17.80	18.02	17.81				
16	QPSK	100	48	17.78	18.04	17.79				
16	QPSK	100	72	17.76	18.06	17.77				
Channel										
				1865.0	1860.0	1858.3	Turnup Time (sec)	MPR (dB)		
Frequency (MHz)										
16	QPSK	1	0	22.72	22.65	22.64	24	0		
16	QPSK	1	26	22.60	22.55	22.52				
16	QPSK	1	49	22.53	22.48	22.45				
16	QPSK	1	71	22.46	22.41	22.39				
16	QPSK	25	0	21.68	21.57	21.67	23	1		
16	QPSK	25	12	21.70	21.57	21.69				
16	QPSK	25	24	21.73	21.63	21.70				
16	QPSK	25	36	21.76	21.67	21.75				
16	QPSK	1	0	21.76	21.63	21.76	23	1		
16	QPSK	1	24	21.92	21.81	21.93				
16	QPSK	1	48	22.08	21.97	22.10				
16	QPSK	1	72	22.24	22.01	22.28				
16	QPSK	25	0	20.66	20.81	20.85	22	2		
16	QPSK	25	12	20.81	21.02	20.94				
16	QPSK	25	24	20.96	21.17	21.05				
16	QPSK	25	36	21.10	21.32	21.18				
16	QPSK	50	0	20.79	20.94	20.94	22	2		
16	QPSK	50	24	20.82	21.03	20.98				
16	QPSK	50	48	20.85	21.14	21.03				
16	QPSK	50	72	20.87	21.25	21.05				
16	QPSK	1	0	20.63	21.04	20.83	22	2		
16	QPSK	1	26	20.63	21.04	20.83				
16	QPSK	1	49	20.60	20.94	20.80				
16	QPSK	1	71	20.57	20.93	20.79				
16	QPSK	25	0	19.68	19.91	19.71	21	3		
16	QPSK	25	12	19.68	19.91	19.71				
16	QPSK	25	24	19.65	19.87	19.66				
16	QPSK	25	36	19.62	19.83	19.60				
16	QPSK	50	0	17.85	18.04	17.84	19	5		
16	QPSK	50	24	17.88	18.04	17.84				
16	QPSK	50	48	17.90	18.06	17.86				
16	QPSK	50	72	17.92	18.08	17.87				
16	QPSK	100	0	17.82	18.00	17.82	19	5		
16	QPSK	100	24	17.80	18.02	17.81				
16	QPSK	100	48	17.78	18.04	17.79				
16	QPSK	100	72	17.76	18.06	17.77				
16	QPSK	50	0	17.81	18.00	17.81				
16	QPSK	50	24	17.83	18.02	17.83				
16	QPSK	50	48	17.85	18.04	17.85				
16	QPSK	50	72	17.87	18.06	17.87				
16	QPSK	100	0	17.82	18.00	17.83				
16	QPSK	100	24	17.80	18.02	17.81				
16	QPSK	100	48	17.78	18.04	17.79				
16	QPSK	100	72	17.76	18.06	17.77				
16	QPSK	1	0	17.81	18.00	17.81				
16	QPSK	1	26	17.83	18.02	17.83				
16	QPSK	1	49	17.85	18.04	17.85				
16	QPSK	1	71	17.87	18.06	17.87				
16	QPSK	25	0	16.89	17.00	16.89				
16	QPSK	25	12	16.91	17.02	16.90				
16	QPSK	25	24	16.93	17.04	16.92				
16	QPSK	25	36	16.95	17.06	16.94				
16	QPSK	50	0	15.87	16.01	15.87				
16	QPSK	50	24	15.89	16.03	15.88				
16	QPSK	50	48	15.91	16.05	15.90				
16	QPSK	50	72	15.93	16.07	15.92				
16	QPSK	100	0	14.83	15.00	14.83				
16	QPSK	100	24	14.85	15.02	14.85				
16	QPSK	100	48	14.87	15.04	14.87				
16	QPSK	100	72	14.89	15.06	14.89				
16	QPSK	1	0	13.81	14.00	13.81				
16	QPSK	1	26	13.83	14.02	13.83				
16	QPSK	1	49	13.85	14.04	13.85				
16	QPSK	1	71	13.87	14.06	13.87				
16	QPSK	25	0	12.79	13.00	12.79				
16	QPSK	25	12	12.81	13.02	12.81				
16	QPSK	25	24	12.83	13.04	12.83				
16	QPSK	25	36	12.85	13.06	12.85				
16	QPSK	50	0	11.77	12.00	11.77				
16	QPSK	50	24	11.79	12.02	11.79				
16	QPSK	50	48	11.81	12.04	11.81				
16	QPSK	50	72	11.83	12.06	11.83				
16	QPSK	100	0	10.75	11.00	10.75				
16	QPSK	100	24	10.77	11.02	10.77				
16	QPSK	100	48	10.79	11.04	10.79				
16	QPSK	100	72	10.81	11.06	10.81				
16	QPSK	1	0	9.73	10.00	9.73				
16	QPSK	1	26	9.75	10.02	9.75				
16	QPSK	1	49	9.77	10.04	9.77				
16	QPSK	1	71	9.79	10.06	9.79				
16	QPSK	25	0	8.71	9.00	8.71				
16	QPSK	25	12	8.73	9.02	8.73				
16	QPSK	25	24	8.75	9.04	8.75				
16	QPSK	25	36	8.77	9.06	8.77				
16	QPSK	50	0	7.69	8.00	7.69				
16	QPSK	50	24	7.71	8.02	7.71				
16	QPSK	50	48	7.73	8.04	7.73				
16	QPSK	50	72	7.75	8.06	7.75				
16	QPSK	100	0	6.67	7.00	6.67				
16	QPSK	100	24	6.69	7.02	6.69				
16	QPSK	100	48	6.71	7.04	6.71				
16	QPSK	100	72	6.73	7.06	6.73				
16	QPSK	1	0	5.65	6.00	5.65				
16	QPSK	1	26	5.67	6.02	5.67				
16	QPSK	1	49	5.69	6.04	5.69				
16	QPSK	1	71	5.71	6.06	5.71				
16	QPSK	25	0	4.63	5.00	4.63				
16	QPSK	25	12	4.65	5.02	4.65				
16	QPSK	25	24	4.67	5.04	4.67				
16	QPSK	25	36	4.69	5.06	4.69				
16	QPSK	50	0	3.61	4.00	3.61				
16	QPSK	50	24	3.63	4.02	3.63				
16	QPSK	50	48	3.65	4.04	3.65				
16	QPSK	50	72	3.67	4.06	3.67				
16	QPSK	100	0	2.59	3.00	2.59				
16	QPSK	100	24	2.61	3.02	2.61				
16	QPSK	100	48	2.63	3.04	2.63				
16	QPSK	100	72	2.65	3.06	2.65				
16	QPSK	1	0	1.57	2.00	1.57				



Band 5_Ant 0												
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Max Ch / Freq	Power Min Ch / Freq	Power Avg Ch / Freq	Turn-on Time (sec)	MFR (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.48	22.66	22.53	24	0				
15	QPSK	1	25	22.43	22.61	22.43						
15	QPSK	1	49	22.40	22.31	22.43						
15	QPSK	25	0	21.48	21.63	21.52						
15	QPSK	25	12	21.49	21.54	21.48	23	1				
15	QPSK	50	0	21.47	21.60	21.52						
15	16QAM	1	25	21.91	21.75	21.80						
15	16QAM	1	49	21.77	21.64	21.71						
15	16QAM	1	25	22.11	21.77	21.84	23	1				
15	16QAM	1	49	21.83	21.66	21.66						
15	16QAM	25	0	20.44	20.38	20.48						
15	16QAM	25	12	20.51	20.51	20.52						
15	16QAM	25	25	20.49	20.46	20.49	22	2				
15	16QAM	50	0	20.50	20.51	20.59						
15	16QAM	50	12	20.59	20.59	20.64						
15	16QAM	50	25	20.57	20.56	20.52						
15	64QAM	1	25	20.79	20.32	20.26	21	3				
15	64QAM	1	25	20.57	20.56	20.52						
15	64QAM	25	12	19.32	19.49	19.40						
15	64QAM	25	25	19.48	19.50	19.40						
15	64QAM	25	12	19.50	19.50	19.40	19	5				
15	64QAM	50	0	19.57	19.50	19.37						
15	64QAM	50	12	17.86	17.86	17.86						
15	256QAM	1	25	17.85	18.00	17.94						
15	256QAM	1	49	17.87	17.86	17.94	19	5				
15	256QAM	25	0	17.81	17.91	17.83						
15	256QAM	25	12	17.86	17.89	18.01						
15	256QAM	25	25	17.88	17.82	17.91						
15	256QAM	50	0	17.81	17.90	17.82	19	5				
15	256QAM	50	12	17.85	17.89	18.01						
15	256QAM	50	25	17.85	17.89	18.01						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.41	22.33	22.37				24	0	
15	QPSK	1	12	22.20	22.49	22.29						
15	QPSK	1	49	22.29	22.34	22.45						
15	QPSK	12	0	21.51	21.41	21.48						
15	QPSK	12	12	21.38	21.55	21.55	23	1				
15	QPSK	12	25	21.38	21.46	21.45						
15	QPSK	12	19	21.36	21.51	21.58						
15	QPSK	25	0	21.43	21.46	21.49						
15	16QAM	1	25	21.70	21.80	21.81	23	1				
15	16QAM	1	49	21.79	21.80	21.81						
15	16QAM	12	0	21.76	22.09	21.89						
15	16QAM	12	12	21.68	21.68	21.68						
15	16QAM	12	25	20.48	20.58	20.47	22	2				
15	16QAM	12	19	20.58	20.54	20.48						
15	16QAM	25	0	20.39	20.42	20.43						
15	16QAM	25	12	21.25	21.42	21.68						
15	64QAM	1	25	21.25	21.42	21.68	21	3				
15	64QAM	1	25	21.25	21.42	21.68						
15	64QAM	1	49	21.25	21.51	21.55						
15	64QAM	12	0	20.27	20.22	20.38						
15	64QAM	12	12	20.59	20.59	20.59	19	5				
15	64QAM	12	19	20.59	20.59	20.52						
15	64QAM	12	25	20.26	20.38	20.42						
15	64QAM	25	0	20.26	20.38	20.42						
15	256QAM	1	12	17.75	17.89	17.81	19	5				
15	256QAM	1	24	17.80	17.87	17.81						
15	256QAM	12	0	17.82	17.86	17.83						
15	256QAM	12	12	17.78	17.79	17.94						
15	256QAM	12	19	17.83	17.79	17.81	19	5				
15	256QAM	12	25	17.83	17.79	17.81						
15	256QAM	25	0	17.82	17.85	17.87						
15	256QAM	25	12	17.82	17.85	17.87						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.23	22.38	22.37	24	0				
15	QPSK	1	8	22.25	22.48	22.31						
15	QPSK	1	14	22.28	22.47	22.24						
15	QPSK	8	7	21.33	21.30	21.41						
15	QPSK	8	7	21.38	21.43	21.43	23	1				
15	QPSK	8	7	21.38	21.43	21.31						
15	QPSK	8	7	21.38	21.43	21.31						
15	QPSK	8	7	21.38	21.43	21.31						
15	16QAM	1	0	21.86	21.60	21.62	23	1				
15	16QAM	1	8	21.87	21.44	21.34						
15	16QAM	1	8	21.86	21.60	21.62						
15	16QAM	8	4	20.48	20.65	20.54						
15	16QAM	8	4	20.48	20.65	20.54	22	2				
15	16QAM	8	4	20.48	20.65	20.54						
15	16QAM	8	4	20.48	20.65	20.54						
15	16QAM	8	4	20.48	20.65	20.54						
15	64QAM	1	0	20.96	20.72	20.79	22	2				
15	64QAM	1	8	20.76	20.30	20.76						
15	64QAM	1	14	20.78	19.91	20.86						
15	64QAM	8	0	19.87	19.61	19.43						
15	64QAM	8	4	19.83	19.72	19.87	21	3				
15	64QAM	8	4	19.83	19.72	19.87						
15	64QAM	8	4	19.83	19.72	19.87						
15	64QAM	8	4	19.83	19.72	19.87						
15	256QAM	1	8	17.77	17.90	17.79	19	5				
15	256QAM	1	14	17.81	17.83	17.84						
15	256QAM	8	0	17.80	17.79	17.84						
15	256QAM	8	4	17.84	17.77	17.86						
15	256QAM	8	7	17.83	17.86	17.79	19	5				
15	256QAM	8	7	17.83	17.86	17.79						
15	256QAM	8	7	17.83	17.86	17.79						
15	256QAM	8	7	17.83	17.86	17.79						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.25	22.34	22.30	24	0				
15	QPSK	1	3	22.28	22.34	22.43						
15	QPSK	1	3	22.33	22.34	22.15						
15	QPSK	3	0	22.34	22.34	22.14						
15	QPSK	3	3	22.36	22.49	22.42	23	1				
15	QPSK	3	3	22.37	22.38	22.32						
15	QPSK	3	3	22.37	22.37	22.32						
15	QPSK	25	0	22.32	22.30	22.25						
15	16QAM	1	0	22.52	22.47	22.44	23	1				
15	16QAM	1	3	22.56	22.54	22.51						
15	16QAM	1	3	22.57	22.57	22.51						
15	16QAM	12	0	21.38	21.30	21.24						
15	16QAM	12	12	21.39	21.40	21.32	22	2				
15	16QAM	12	19	21.37	21.37	21.31						
15	16QAM	12	25	21.37	21.38	21.31						
15	16QAM	25	0	21.37	21.38	21.31						
15	64QAM	1	0	21.08	21.42	21.40	22	2				
15	64QAM	1	3	21.46	21.74	21.71						
15	64QAM	1	3	21.53	21.73	21.74						
15	64QAM	12	0	21.08	21.42	21.40						
15	64QAM	12	12	21.08	21.68	21.48	21	3				
15	64QAM	12	19	21.29	21.29	21.33						
15	64QAM	12	25	21.29	21.30	21.33						
15	64QAM	25	0	20.47	20.35	20.50						
15	64QAM	25	12	20.47	20.35	20.50	22	2				
15	64QAM	25	19	20.47	20.35	20.50						
15	64QAM	25	25	20.47	20.35	20.50						
15	64QAM	50	0	20.47	20.35	20.50						
15	64QAM	50	12	18.05	18.07	18.16	19	5				
15	64QAM	50	19	18.05	18.07	18.16						
15	256QAM	1	25	18.05	18.07	18.16	22	2				
15	256QAM	1	49	18.21	18.08	18.17						
15	256QAM	12	0	18.02	18.02	18.02	19	5				
15	256QAM	12	7	18.02	18.02	18.02						
15	256QAM	12	13	18.02	18.02	18.02						
15	256QAM	12	19	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02	21	3				
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02	21	3				
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02	21	3				
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02	21	3				
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02	21	3				
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02	21	3				
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02	21	3				
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02	21	3				
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02	21	3				
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02	21	3				
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02						
15	256QAM	12	25	18.02	18.02	18.02	21	3				
15	256QAM	12	25	18.02	18.02							

Band 13_Ant 0									
RF Band	Modulation	RF Rate (k)	RF Ch Offset	Power (dBm)	Ch Freq (MHz)	Ch Freq (MHz)	Ch Freq (MHz)	Transmit Band (MHz)	MFR (MHz)
Channel 22520									
10	QPSK	1	0	-22.65	22.65				
10	QPSK	1	20	-22.64				24	0
10	QPSK	1	20	-22.64					
10	QPSK	25	0	-21.68					
10	QPSK	25	12	-21.65				23	1
10	QPSK	25	12	-21.65					
10	QPSK	50	0	-21.54					
10	QPSK	1	0	-21.73					
10	QPSK	1	0	-21.73				23	1
10	QPSK	1	49	-21.82					
10	QPSK	25	0	-20.52					
10	QPSK	25	0	-20.67					
10	QPSK	50	0	-20.62				22	2
10	QPSK	50	0	-20.81					
10	QPSK	1	26	-20.92				22	2
10	QPSK	1	49	-20.69					
10	QPSK	25	0	-20.65					
10	QPSK	25	12	-19.84				21	3
10	QPSK	25	25	-19.83					
10	QPSK	25	25	-19.78					
10	25QAM	1	0	-18.04					
10	25QAM	1	20	-18.05				19	5
10	25QAM	1	20	-18.11					
10	25QAM	25	0	-17.91					
10	25QAM	25	12	-18.00				19	5
10	25QAM	25	12	-17.97					
10	25QAM	50	0	-17.91					
Channel 22655									
Frequency Offset				775.5	775.5	775.5	Transmit Band (MHz)	MFR (MHz)	
5	QPSK	1	0	-22.84	22.83	22.83		24	0
5	QPSK	1	12	-22.62	22.60	22.63			
5	QPSK	1	12	-21.63	21.63	21.65			
5	QPSK	12	0	-21.64	21.59	21.63			
5	QPSK	12	7	-21.72	21.64	21.65		23	1
5	QPSK	1	12	-21.63	21.62	21.63			
5	QPSK	25	0	-21.65	21.59	21.61			
5	QPSK	1	0	-22.05	22.01	22.01			
5	QPSK	1	24	-21.90	21.83	22.13		23	1
5	QPSK	1	24	-21.88	21.90	22.00			
5	QPSK	12	0	-20.54	20.54	20.60			
5	QPSK	12	12	-20.54	20.54	20.60		22	2
5	QPSK	25	0	-20.53	20.58	20.70			
5	QPSK	25	0	-20.73	20.62	20.48			
5	QPSK	25	0	-20.66	20.61	20.20			
5	QPSK	1	12	-20.10	20.83	20.50		22	2
5	QPSK	1	24	-21.27	20.99	20.94			
5	QPSK	1	24	-19.71	19.71	19.74			
5	QPSK	12	7	-19.96	19.72	19.87		21	3
5	QPSK	12	13	-19.80	19.75	19.83			
5	QPSK	1	0	-19.44	19.65	19.65			
5	25QAM	1	0	-17.90	17.92	17.95			
5	25QAM	1	12	-17.97	17.94	17.91			
5	25QAM	12	0	-18.04	17.88	18.03			
5	25QAM	12	12	-17.80	17.84	17.76		17	7
5	25QAM	12	7	-17.85	17.84	17.79			
5	25QAM	1	12	-17.82	17.81	17.82		19	5
5	25QAM	25	0	-17.85	17.84	17.88			

Band 17_Ant 0									
RF Band	Modulation	RF Size	RF Ch	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Transmit Status	MTR
Channel				2750	2750	2750	2750		
5	Frequency Hopping	1	0	22.71	22.77	22.74			
10	QPSK	1	20	22.67	22.76	22.70		24	0
10	QPSK	1	21	22.65	22.68	22.64			
10	QPSK	25	0	21.68	21.72	21.70			
10	QPSK	25	1	21.67	21.69	21.70		23	1
10	QPSK	25	12	21.64	21.65	21.67			
10	QPSK	1	0	22.50	21.83	21.84			
10	QPSK	1	20	21.60	21.78	21.75			
10	QPSK	1	40	21.72	21.76	21.77			
10	QPSK	25	0	20.96	20.88	20.83			
10	QPSK	25	0	20.95	20.87	20.87			
10	QPSK	25	0	20.97	20.91	20.85		22	2
10	QPSK	25	0	20.89	20.82	20.86			
10	QPSK	25	0	20.92	20.86	20.86			
10	QPSK	1	20	20.90	21.03	20.46		22	2
10	QPSK	1	40	20.80	20.63	21.06			
10	QPSK	1	20	19.73	19.77	19.89			
10	QPSK	1	20	19.77	19.81	19.72		21	3
10	QPSK	25	20	19.58	19.62	19.61			
10	QPSK	25	0	19.67	19.76	19.79			
10	QPSK	25	0	19.04	19.06	19.04			
10	QPSK	1	20	18.05	18.09	18.02		19	5
10	QPSK	1	20	18.07	18.09	18.09			
10	QPSK	25	0	18.03	18.03	18.08			
10	QPSK	25	12	18.08	18.02	18.03		19	5
10	QPSK	25	12	18.05	18.06	18.03			
10	QPSK	25	0	18.05	18.02	18.01			
Channel				2750	2750	2750	2750	Transmit Status	MTR
5	Frequency Hopping	1	0	22.72	22.70	22.74			
5	QPSK	1	12	22.61	22.69	22.71		24	0
5	QPSK	1	14	22.67	22.68	22.67			
5	QPSK	12	0	21.75	21.79	21.79			
5	QPSK	12	7	21.80	21.76	21.83		23	1
5	QPSK	12	15	21.76	21.78	21.78			
5	QPSK	25	0	21.75	21.79	21.76			
5	QPSK	1	0	22.08	22.10	22.11			
5	QPSK	1	20	22.01	22.11	22.11			
5	QPSK	1	24	22.01	22.11	22.09			
5	QPSK	12	0	20.83	20.81	20.84			
5	QPSK	12	0	20.77	20.85	20.78		22	2
5	QPSK	12	0	20.72	20.80	20.78			
5	QPSK	25	0	20.80	20.75	20.75			
5	QPSK	25	0	20.83	20.80	20.80			
5	QPSK	1	12	20.85	20.84	20.94		22	2
5	QPSK	1	24	20.91	20.92	20.93			
5	QPSK	1	24	20.93	20.93	20.94			
5	QPSK	12	7	19.85	19.79	19.80		21	3
5	QPSK	12	15	19.75	19.81	19.80			
5	QPSK	12	15	19.81	19.83	19.82			
5	QPSK	1	0	17.89	17.90	17.89			
5	QPSK	1	12	17.98	17.93	18.05			
5	QPSK	12	0	17.96	17.96	17.93		19	5
5	QPSK	12	0	17.92	17.92	17.90			
5	QPSK	25	7	17.95	17.94	17.98			
5	QPSK	25	7	17.97	17.99	17.89			

Band 25_Ant 0												
RF Band	Modulation	RF Size	RF Ch	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Turn-on Time [ms]	APR [dB]	APR [dB]
Channel												
Frequency [MHz]	1	5	22.83	23.03	22.88							
20	QPSK	1	5	22.83	23.03	22.88				24	0	0
20	QPSK	1	99	22.79	22.95	22.88						
20	QPSK	50	5	21.94	22.15	22.01						
20	QPSK	50	5	21.79	21.94	21.87				23	1	1
20	QPSK	50	5	21.97	22.12	21.84						
20	QPSK	150	5	20.99	22.09	21.88						
20	QPSK	150	5	21.15	21.48	21.22				23	1	1
20	QPSK	1	49	22.16	22.35	22.11						
20	QPSK	1	99	22.13	22.27	22.08						
20	QPSK	50	49	21.15	21.48	21.22				23	1	1
20	QPSK	50	24	21.01	21.19	20.99						
20	QPSK	50	25	20.96	21.13	20.87						
20	QPSK	50	25	20.96	21.13	20.87				23	1	1
20	QPSK	1	0	21.09	21.25	21.06						
20	QPSK	1	49	21.06	21.26	20.99				22	2	2
20	QPSK	50	49	20.96	21.13	20.87						
20	QPSK	50	0	19.95	20.15	20.00						
20	QPSK	50	24	20.04	20.20	19.99				21	3	3
20	QPSK	50	25	20.04	20.20	19.99						
20	QPSK	100	0	20.02	20.09	20.00						
20	QPSK	1	0	18.06	18.16	18.17						
20	QPSK	1	0	18.06	18.16	18.17				19	5	5
20	QPSK	1	59	18.12	18.11	18.06						
20	QPSK	1	59	18.07	18.06	18.07						
20	QPSK	50	24	17.08	18.09	17.95				19	5	5
20	QPSK	50	25	18.00	18.07	17.88						
20	QPSK	50	25	18.00	18.07	17.88						
Channel												
Frequency [MHz]	1857.5	1860	1860.5	1861	1861.5	1862	1862.5	1863	1863.5	Turn-on Time [ms]	APR [dB]	APR [dB]
10	QPSK	1	3	22.83	22.73	22.86				24	0	0
10	QPSK	1	3	22.80	22.71	22.86						
10	QPSK	1	74	22.55	22.68	22.68						
10	QPSK	1	74	22.55	22.68	22.68						
10	QPSK	50	3	21.79	21.86	21.79						
10	QPSK	50	3	21.79	21.86	21.79				23	1	1
10	QPSK	36	39	21.77	21.88	21.61						
10	QPSK	36	39	21.90	21.93	21.87						
10	QPSK	1	0	22.01	22.14	22.01						
10	QPSK	1	37	21.90	22.07	21.90				23	1	1
10	QPSK	36	0	20.73	20.83	20.76						
10	QPSK	36	20	20.81	20.94	20.77				22	2	2
10	QPSK	36	20	20.81	20.94	20.77						
10	QPSK	75	0	20.52	20.57	20.81						
10	QPSK	75	0	20.52	20.57	20.81						
10	QPSK	1	0	20.52	20.57	20.81				22	2	2
10	QPSK	1	74	20.30	20.32	20.58						
10	QPSK	36	0	19.76	19.91	19.78				21	3	3
10	QPSK	36	39	19.81	19.91	19.87						
10	QPSK	75	0	19.80	19.82	19.86						
10	QPSK	75	0	19.80	19.82	19.86						
10	QPSK	1	0	19.80	19.82	19.86				19	5	5
10	QPSK	1	59	19.87	19.86	19.81						
10	QPSK	50	24	17.08	17.95	17.88						
10	QPSK	50	25	18.00	18.07	17.88				19	5	5
10	QPSK	50	25	18.00	18.07	17.88						
10	QPSK	50	0	17.79	17.95	17.85						
Channel												
Frequency [MHz]	1857.5	1860	1860.5	1861	1861.5	1862	1862.5	1863	1863.5	Turn-on Time [ms]	APR [dB]	APR [dB]
5	QPSK	1	0	22.77	22.95	22.88				24	0	0
5	QPSK	1	12	22.74	22.92	22.89						
5	QPSK	1	12	22.72	22.90	22.87						
5	QPSK	12	0	21.76	21.99	21.74						
5	QPSK	12	1	21.79	21.98	21.76				23	1	1
5	QPSK	12	1	21.79	21.98	21.76						
5	QPSK	25	0	21.81	21.95	21.73						
5	QPSK	1	0	22.08	22.27	22.02				23	1	1
5	QPSK	12	9	20.75	21.00	20.84						
5	QPSK	12	9	20.75	21.00	20.84						
5	QPSK	12	19	20.81	20.98	20.75				22	2	2
5	QPSK	12	19	20.81	20.98	20.75						
5	QPSK	25	0	20.81	20.88	20.77						
5	QPSK	25	0	20.81	20.88	20.77						
5	QPSK	1	12	20.87	21.02	20.78				22	2	2
5	QPSK	1	12	20.87	21.02	20.78						
5	QPSK	12	24	19.77	20.01	19.80						
5	QPSK	12	7	19.86	20.02	19.80				21	3	3
5	QPSK	12	7	19.86	20.02	19.80						
5	QPSK	25	0	19.81	20.02	19.79						
5	QPSK	1	0	17.93	18.03	18.03				19	5	5
5	QPSK	1	12	17.93	18.03	18.03						
5	QPSK	12	19	17.83	17.93	17.88						
5	QPSK	12	19	17.83	17.93	17.88				19	5	5
5	QPSK	25	0	17.85	17.94	17.81						
5	QPSK	25	0	17.80	17.89	17.87						
Channel												
Frequency [MHz]	1861.5	1860	1861.5	1860	1861.5	1860	1861.5	1860	1861.5	Turn-on Time [ms]	APR [dB]	APR [dB]
3	QPSK	1	0	22.76	22.89	22.74				24	0	0
3	QPSK	1	14	22.73	22.86	22.73						
3	QPSK	1	14	22.72	22.85	22.73						
3	QPSK	8	0	21.79	21.95	21.72						
3	QPSK	8	0	21.84	21.94	21.78				23	1	1
3	QPSK	8	7	21.79	21.94	21.69						
3	QPSK	19	0	21.73	21.95	21.73						
3	QPSK	19	0	21.73	21.95	21.73				23	1	1
3	QPSK	1	8	22.27	22.35	22.14						
3	QPSK	1	14	22.05	22.27	22.05						
3	QPSK	8	0	20.87	21.02	20.80				22	2	2
3	QPSK	8	7	20.79	20.99	20.75						
3	QPSK	19	0	20.83	21.08	20.77						
3	QPSK	1	8	20.87	21.02	20.88				21	3	3
3	QPSK	1	19	20.86	21.16	20.81						
3	QPSK	1	8	20.96	21.10	20.86						
3	QPSK	8	0	19.84	20.01	19.81						
3	QPSK	8	0	19.89	20.04	19.81				21	3	3
3	QPSK	19	0	19.97	20.18	19.87						
3	QPSK	1	0	17.96	18.02	17.91						
3	QPSK	1	14	18.03	18.08	17.91				23	1	1
3	QPSK	8	7	17.92	17.88	17.87						
3	QPSK	8	7	17.92	17.88	17.87						
Channel												
Frequency [MHz]	1860.7	1860	1860.7	1860	1860.7	1860	1860.7	1860	1860.7	Turn-on Time [ms]	APR [dB]	APR [dB]
14	QPSK	1	0	22.56	22.75	22.49				24	0	0
14	QPSK	1	3	22.56	22.75	22.49						
14	QPSK	1	3	22.56	22.75	22.49						
14	QPSK	3	0	21.99	22.15	21.90				23	1	1
14	QPSK	3	0	21.72	21.87	21.68						
14	QPSK	1	3	21.68	21.90	21.63						
14	QPSK	3	0	20.74	20.93	20.70				22	2	2
14	QPSK	1	0	20.30	20.55	20.34						
14	QPSK	1	0	20.30	20.55	20.34						
14	QPSK	1	8	20.88	21.07	20.82				22	2	2
14	QPSK	1	8	20.88	21.07	20.82						
14	QPSK	3	0	19.72	19.91	19.62				21	3	3
14	QPSK	3	0	19.72	19.91	19.62						
14	QPSK	1	0	17.82	17.88	17.80				19	5	5
14	QPSK	1	0	17.82	17.88	17.80						
14	QPSK	3	0	17.86	17.92	17.78						
14	QPSK	3	0	17.86	17.92	17.78						
14	QPSK	3	0	17.86	17.92	17.78				19	5	5

Band 26_Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.56	22.56	22.53	24	0						
15	QPSK	1	31	22.56	22.55	22.53								
15	QPSK	1	74	22.53	22.53	22.49								
15	QPSK	36	0	21.80	21.81	21.79								
15	QPSK	36	20	21.72	21.88	21.71	23	1						
15	QPSK	36	39	21.57	21.78	21.67								
15	QPSK	75	0	21.71	21.76	21.67								
15	16QAM	75	0	21.76	22.23	21.60								
15	16QAM	1	37	22.14	22.21	21.83	23	1						
15	16QAM	1	74	21.80	21.82	22.09								
15	16QAM	36	0	20.68	20.90	20.95								
15	16QAM	36	20	20.74	20.93	20.94								
15	16QAM	36	39	20.77	20.84	20.82	22	2						
15	16QAM	75	0	20.77	20.94	20.92								
15	16QAM	1	0	20.99	21.05	20.91								
15	16QAM	1	37	20.94	20.96	20.81								
15	16QAM	1	74	20.99	21.05	20.81	21	3						
15	16QAM	36	0	19.72	19.77	19.77								
15	16QAM	36	20	19.75	19.80	19.75								
15	16QAM	36	39	19.83	19.84	19.80								
15	16QAM	75	0	19.87	19.89	19.82	19	5						
15	16QAM	1	0	17.81	17.81	17.84								
15	16QAM	1	37	17.75	17.83	17.81								
15	16QAM	1	74	17.84	17.82	17.80								
15	16QAM	36	0	17.86	17.77	17.69	19	5						
15	16QAM	36	20	17.89	17.72	17.72								
15	16QAM	36	39	17.73	17.78	17.77								
15	16QAM	75	0	17.71	17.70	17.68								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.51	22.45	22.47	24	0						
15	QPSK	1	28	22.50	22.49	22.52								
15	QPSK	1	49	22.50	22.51	22.48								
15	QPSK	26	0	21.63	21.65	21.58								
15	QPSK	26	13	21.60	21.66	21.59	23	1						
15	QPSK	26	26	21.58	21.62	21.63								
15	QPSK	50	0	21.62	21.59	21.58								
15	16QAM	50	0	21.58	21.70	21.58								
15	16QAM	1	29	21.82	21.83	21.89	23	1						
15	16QAM	1	49	21.81	21.83	21.89								
15	16QAM	25	0	20.66	20.65	20.61								
15	16QAM	25	12	20.65	20.62	20.60								
15	16QAM	25	25	20.63	20.64	20.67	22	2						
15	16QAM	50	0	20.62	20.57	20.58								
15	16QAM	1	0	20.83	20.75	20.75								
15	16QAM	1	20	20.80	20.72	20.72								
15	16QAM	1	49	20.98	20.72	20.71	21	3						
15	16QAM	25	0	19.87	19.82	19.82								
15	16QAM	25	12	19.87	19.86	19.84								
15	16QAM	25	25	19.82	19.87	19.85								
15	16QAM	50	0	19.85	19.88	19.80	19	5						
15	16QAM	50	12	19.79	19.82	19.81								
15	16QAM	1	25	17.87	17.87	17.85								
15	16QAM	1	49	17.76	17.87	17.82								
15	16QAM	25	0	17.82	17.82	17.82	19	5						
15	16QAM	25	12	17.84	17.85	17.85								
15	16QAM	25	25	17.86	17.81	17.86								
15	16QAM	50	0	17.86	17.81	17.80								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.51	22.45	22.47	24	0						
15	QPSK	1	14	22.50	22.50	22.47								
15	QPSK	1	24	22.51	22.51	22.45								
15	QPSK	12	7	21.58	21.63	21.56								
15	QPSK	12	13	21.64	21.59	21.52	23	1						
15	QPSK	12	13	21.64	21.59	21.52								
15	16QAM	1	0	21.94	21.80	21.82								
15	16QAM	1	12	21.80	21.88	21.75								
15	16QAM	1	49	21.80	21.88	21.75	23	1						
15	16QAM	12	0	20.99	20.94	20.81								
15	16QAM	12	7	20.81	20.58	20.80								
15	16QAM	12	13	20.85	20.80	20.87								
15	16QAM	25	0	20.60	20.49	20.59	22	2						
15	16QAM	1	0	20.73	20.71	20.63								
15	16QAM	1	12	20.87	20.82	20.75								
15	16QAM	1	24	20.72	20.73	20.69								
15	16QAM	12	0	19.83	19.86	19.75	21	3						
15	16QAM	12	7	19.84	19.89	19.89								
15	16QAM	12	13	19.59	19.59	19.59								
15	16QAM	25	0	19.80	19.80	19.81								
15	16QAM	25	12	17.88	17.86	17.85	19	5						
15	16QAM	25	25	17.84	17.89	17.89								
15	16QAM	50	0	17.84	17.89	17.89								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.51	22.45	22.47			24	0				
15	QPSK	1	14	22.48	22.52	22.44								
15	QPSK	1	14	22.48	22.52	22.44								
15	QPSK	8	4	21.57	21.61	21.50								
15	QPSK	8	7	21.59	21.56	21.47	23	1						
15	QPSK	8	7	21.58	21.47	21.35								
15	16QAM	1	0	21.93	21.88	21.79								
15	16QAM	1	8	21.79	21.86	21.87								
15	16QAM	8	7	20.99	20.90	20.78	22	2						
15	16QAM	8	7	20.99	20.90	20.78								
15	16QAM	8	4	20.69	20.65	20.66								
15	16QAM	16	0	20.60	20.52	20.60								
15	16QAM	1	0	20.73	20.66	20.78	22	2						
15	16QAM	1	8	20.82	20.75	20.79								
15	16QAM	1	14	20.79	20.78	20.70								
15	16QAM	8	0	19.85	19.88	19.82								
15	16QAM	8	7	19.82	19.87	19.84	21	3						
15	16QAM	15	0	19.87	19.83	19.84								
15	16QAM	15	0	19.79	17.74	17.88								
15	16QAM	1	8	17.85	17.87	17.85								
15	16QAM	1	14	17.71	17.83	17.77	19	5						
15	16QAM	8	4	17.81	17.72	17.89								
15	16QAM	8	4	17.88	17.87	17.87								
15	16QAM	15	0	17.82	17.84	17.88								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.56	22.55	22.53	24	0						
15	QPSK	1	3	22.47	22.47	22.41								
15	QPSK	1	5	22.38	22.38	22.28								
15	QPSK	3	0	21.64	21.64	21.57								
15	QPSK	3	3	22.50	22.42	22.45	23	1						
15	QPSK	3	3	22.49	22.47	22.37								
15	QPSK	3	3	22.40	22.42	22.42								
15	16QAM	1	0	21.77	21.79	21.79								
15	16QAM	1	3	21.81	21.83	21.79	23	1						
15	16QAM	1	3	21.82	21.77	21.68								
15	16QAM	3	0	21.55	21.54	21.43								
15	16QAM	3	1	21.53	21.47	21.47								
15	16QAM	3	2	21.53	21.43	21.43	22	2						
15	16QAM	6	0	20.87	20.82	20.53								
15	16QAM	6	0	20.70	20.64	20.65								
15	16QAM	6	0	20.74	20.62	20.62								
15	16QAM	6	0	20.72	20.73	20.62	22	2						
15	16QAM	6	0	20.66	20.53	20.51								
15	16QAM	6	0	20.67	20.53	20.53								
15	16QAM	6	0	20.66	20.63	20.58								
15	16QAM	6	0	19.49	19.42	19.42	19	5						
15	16QAM	6	0	19.46	19.43	19.42								
15	16QAM	6	0	19.45	19.46	19.46								
15	16QAM	6	0	17.89	17.89	17.71								
15	16QAM	6	0	17.74	17.84	17.83	19	5						
15	16QAM	6	0	17.83	17.83	17.83								
15	16QAM	6	0	17.84	17.82	17.83								
15	16QAM	3	3	17.94	17.89	17.82								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.56	22.55	22.53	24	0						
15	QPSK	1	3	22.47	22.47	22.41								
15	QPSK	1	5	22.38	22.38	22.28								
15	QPSK	3	0	21.64	21.64	21.57								
15	QPSK	3	3	22.50	22.42	22.45	23	1						
15	QPSK	3	3	22.49	22.47	22.37								
15	QPSK	3	3	22.40	22.42	22.42								
15	16QAM	1	0	21.77	21.79	21.79								
15	16QAM	1	3	21.81	21.83	21.79	23	1						
15	16QAM	1	3	21.82	21.77	21.68								
15	16QAM	3	0	21.55	21.54	21.43								
15	16QAM	3	1	21.53	21.47	21.47								
15	16QAM	3	2	21.53	21.43	21.43	22	2						
15	16QAM	6	0	20.87	20.82	20.53								
15	16QAM	6	0	20.70	20.64	20.65								
15	16QAM	6	0	20.74	20.62	20.62								
15	16QAM	6	0	20.72	20.73	20.62	22	2						
15	16QAM	6	0	20.66	20.53	20.51								
15	16QAM	6	0	20.67	20.53	20.53								
15	16QAM	6	0	20.66	20.63	20.58								
15	16QAM	6	0	19.49	19.42	19.42	19	5						
15	16QAM	6	0	19.46	19.43	19.42								
15	16QAM	6	0	19.45	19.46	19.46								
15	16QAM	6	0	17.89	17.89	17.71								
15	16QAM	6	0	17.74	17.84	17.83	19	5						
15	16QAM	6	0	17.83	17.83	17.83								
15	16QAM	6	0	17.84	17.82	17.83								
15	16QAM	3	3	17.94	17.89	17.82								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.56	22.55	22.53	24	0						
15	QPSK	1	3	22.47	22.47	22.41								
15	QPSK	1	5	22.38	22.38	22.28								
15	QPSK	3												

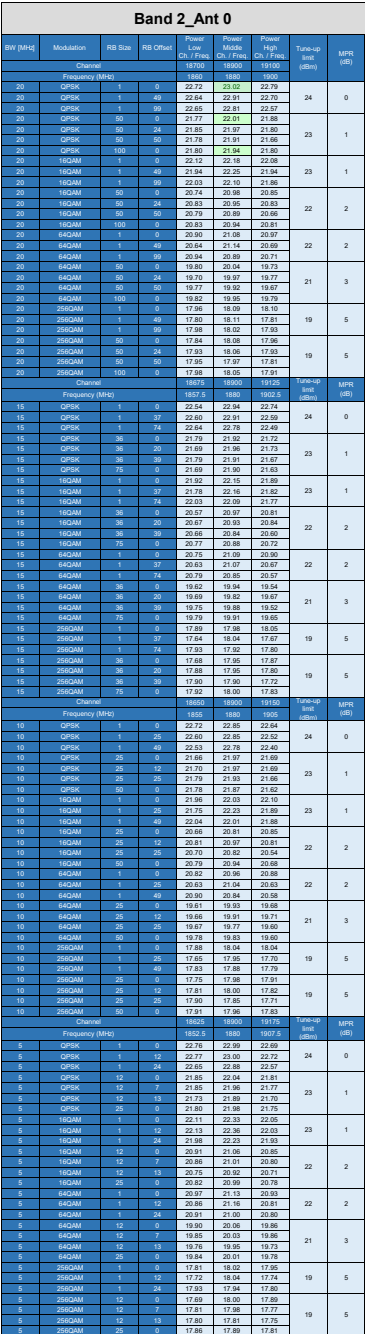


Band 38_Ant 0														
BW [MHz]	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Take-up time (min)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.06	23.03	23.15	24	0						
20	QPSK	1	49	23.15	23.13	23.07								
20	QPSK	1	99	23.17	23.19	23.09								
20	QPSK	50	0	22.22	22.22	22.22								
20	QPSK	50	24	22.13	22.18	22.18	23	1						
20	QPSK	50	50	22.17	22.21	22.12								
20	QPSK	100	0	22.24	22.25	22.20								
20	16QAM	1	0	22.20	22.20	22.17								
20	16QAM	1	49	22.29	22.28	22.17	23	1						
20	16QAM	1	99	22.30	22.33	22.24								
20	16QAM	50	0	20.88	20.92	20.89								
20	16QAM	50	24	20.85	21.05	21.05								
20	16QAM	50	50	21.08	21.03	20.95	22	2						
20	16QAM	100	0	21.07	20.98	20.97								
20	64QAM	1	0	20.92	20.91	20.93								
20	64QAM	1	49	20.74	20.99	20.75								
20	64QAM	1	99	20.92	20.87	20.73	22	2						
20	64QAM	50	0	19.82	19.97	19.88								
20	64QAM	50	24	20.10	20.00	20.02								
20	64QAM	50	50	20.12	20.18	20.01								
20	64QAM	100	0	20.01	20.01	19.98	21	3						
20	256QAM	1	0	17.87	17.89	17.87								
20	256QAM	1	49	17.89	18.04	17.94								
20	256QAM	1	99	18.00	18.05	17.90								
20	256QAM	50	0	18.05	18.19	18.12	19	5						
20	256QAM	50	24	18.08	18.19	18.12								
20	256QAM	50	50	18.12	18.20	18.06								
20	256QAM	100	0	17.98	18.12	17.97								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.85	22.81	22.91	24	0						
15	QPSK	1	49	22.93	22.93	22.81								
15	QPSK	1	74	23.04	23.14	22.80								
15	QPSK	36	0	21.86	22.00	21.86								
15	QPSK	36	39	21.83	22.13	22.05	23	1						
15	QPSK	36	39	21.84	22.09	22.02								
15	QPSK	75	0	22.03	22.04	21.97								
15	16QAM	1	0	22.06	22.12	22.13								
15	16QAM	1	37	22.02	22.13	22.14	23	1						
15	16QAM	1	74	22.04	22.13	22.05								
15	16QAM	36	0	20.88	20.97	20.94								
15	16QAM	36	39	21.00	21.00	21.07								
15	16QAM	36	74	21.07	21.08	21.07	22	2						
15	16QAM	75	0	21.03	21.16	20.90								
15	64QAM	1	0	20.48	20.64	20.48								
15	64QAM	1	37	20.47	20.63	20.48								
15	64QAM	1	74	20.57	20.63	20.48	22	2						
15	64QAM	1	74	20.79	20.86	20.74								
15	64QAM	36	0	18.81	19.83	19.76								
15	64QAM	36	39	19.85	20.00	19.86								
15	64QAM	36	74	20.00	20.00	19.85	21	3						
15	64QAM	36	39	19.86	20.05	19.81								
15	64QAM	75	0	19.88	20.01	19.86								
15	256QAM	1	0	17.76	17.80	17.85								
15	256QAM	1	37	17.78	17.93	17.82	19	5						
15	256QAM	1	74	17.80	17.85	17.80								
15	256QAM	36	0	17.97	18.05	18.00								
15	256QAM	36	39	17.85	18.05	18.05								
15	256QAM	36	74	18.00	18.00	18.00	19	5						
15	256QAM	75	0	17.82	18.05	17.82								
15	256QAM	75	0	17.82	18.05	17.82								
15	256QAM	75	0	17.82	18.05	17.82								
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.03	23.12	22.86	24	0						
10	QPSK	1	25	22.87	23.11	23.11								
10	QPSK	1	25	23.05	23.15	22.86								
10	QPSK	25	0	21.96	21.97	21.86								
10	QPSK	25	12	22.06	22.06	21.86	23	1						
10	QPSK	25	25	21.91	22.04	21.88								
10	QPSK	50	0	22.07	22.09	21.91								
10	16QAM	1	0	22.23	22.23	22.15								
10	16QAM	1	25	21.68	22.11	21.73	23	1						
10	16QAM	1	49	22.06	22.18	21.88								
10	16QAM	25	0	21.02	21.08	20.80								
10	16QAM	25	12	21.13	21.07	21.11								
10	16QAM	25	25	21.10	21.09	21.01	22	2						
10	16QAM	50	0	21.05	21.11	20.94								
10	64QAM	1	0	20.46	20.68	20.48								
10	64QAM	1	25	20.67	20.80	20.67								
10	64QAM	1	49	20.74	20.90	20.77	22	2						
10	64QAM	25	0	19.75	19.92	19.74								
10	64QAM	25	12	19.80	20.04	19.80								
10	64QAM	25	25	19.92	20.00	19.80								
10	64QAM	50	0	20.00	20.02	20.01	21	3						
10	256QAM	1	0	17.80	17.84	17.74								
10	256QAM	1	25	17.78	17.99	17.78								
10	256QAM	1	49	17.80	17.85	17.77								
10	256QAM	25	0	17.80	18.08	17.86	19	5						
10	256QAM	25	12	18.00	18.03	17.99								
10	256QAM	25	25	17.99	18.04	18.01								
10	256QAM	50	0	17.82	18.00	17.85								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.75	22.97	22.91	24	0						
5	QPSK	1	12	22.83	23.09	23.06								
5	QPSK	1	24	22.74	23.13	22.74								
5	QPSK	12	0	21.96	22.01	21.94								
5	QPSK	12	7	21.98	22.02	22.03	23	1						
5	QPSK	12	13	22.04	22.15	21.90								
5	QPSK	25	0	21.96	22.05	22.00								
5	16QAM	1	0	21.97	22.17	22.00								
5	16QAM	1	13	21.84	22.10	22.06	23	1						
5	16QAM	1	24	22.11	22.19	22.15								
5	16QAM	12	0	20.80	21.13	21.08								
5	16QAM	12	7	21.02	21.10	20.92								
5	16QAM	12	13	20.98	21.12	21.00	22	2						
5	16QAM	25	0	20.80	21.13	21.08								
5	64QAM	1	0	20.41	20.64	20.40								
5	64QAM	1	12	20.63	20.80	20.63								
5	64QAM	1	24	20.74	20.79	20.68	22	2						
5	64QAM	12	0	18.79	19.92	19.78								
5	64QAM	12	7	19.87	19.98	19.84								
5	64QAM	12	13	19.88	20.00	19.85								
5	64QAM	25	0	19.92	19.99	19.83	19	5						
5	256QAM	1	0	17.72	17.83	17.79								
5	256QAM	1	13	17.75										

Band 38 HPUE_Ant 1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (min)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.64	23.70	23.76	25.5	0	24	0				
20	QPSK	1	49	23.72	23.79	23.86								
20	QPSK	1	99	23.78	23.81	23.82								
20	QPSK	50	0	22.77	22.86	22.96	24.5	1	23	1				
20	QPSK	50	24	22.91	22.95	22.99								
20	QPSK	50	50	22.88	22.93	22.84								
20	QPSK	100	0	22.82	22.87	22.87	24.5	1	23	1				
20	16QAM	1	0	23.18	23.15	23.02								
20	16QAM	1	49	23.16	23.15	23.04								
20	16QAM	100	0	23.12	23.07	23.01	23.5	2	22	2				
20	16QAM	50	0	21.82	21.85	21.84								
20	16QAM	50	24	21.97	21.82	22.00								
20	16QAM	100	0	21.95	21.99	21.90	23.5	2	22	2				
20	64QAM	1	0	21.79	21.72	21.86								
20	64QAM	1	49	21.85	21.99	21.75								
20	64QAM	100	0	21.99	21.98	21.81	22.5	3	21	3				
20	64QAM	50	0	20.83	20.83	20.91								
20	64QAM	50	24	20.95	20.95	20.95								
20	64QAM	50	50	20.93	20.93	20.97	20.5	5	19	5				
20	256QAM	1	0	18.50	18.68	18.52								
20	256QAM	1	49	18.65	18.75	18.67								
20	256QAM	1	99	18.69	18.74	18.68	20.5	5	19	5				
20	256QAM	50	0	18.60	18.73	18.57								
20	256QAM	50	24	18.67	18.78	18.63								
20	256QAM	50	50	18.70	18.81	18.68	20.5	5	19	5				
20	256QAM	100	0	18.54	18.69	18.58								
20	256QAM	100	0	18.54	18.69	18.58								
Channel														
Frequency (MHz)														
15	QPSK	1	0	23.53	23.67	23.61	25.5	0	24	0				
15	QPSK	1	49	23.62	23.63	23.61								
15	QPSK	1	74	23.62	23.58	23.52								
15	QPSK	36	0	22.71	22.85	22.74	24.5	1	23	1				
15	QPSK	36	36	22.75	22.75	22.77								
15	QPSK	36	36	22.83	22.78	22.71								
15	QPSK	75	0	22.70	22.71	22.75	24.5	1	23	1				
15	16QAM	1	0	23.05	22.90	23.05								
15	16QAM	1	37	23.02	23.10	22.99								
15	16QAM	1	74	23.02	22.98	22.91	23.5	2	22	2				
15	16QAM	36	0	21.68	21.77	21.69								
15	16QAM	36	36	21.82	21.81	21.80								
15	16QAM	75	0	21.82	21.88	21.82	23.5	2	22	2				
15	16QAM	75	0	21.83	21.60	21.77								
15	64QAM	1	0	21.79	21.61	21.62								
15	64QAM	1	37	21.85	21.82	21.82	22.5	3	21	3				
15	64QAM	1	74	21.87	21.83	21.71								
15	64QAM	36	0	20.76	20.89	20.86								
15	64QAM	36	36	20.80	20.77	20.82	20.5	5	19	5				
15	64QAM	75	0	20.79	20.72	20.74								
15	256QAM	1	0	18.51	18.52	18.52								
15	256QAM	1	37	18.50	18.55	18.52	20.5	5	19	5				
15	256QAM	1	74	18.50	18.55	18.52								
15	256QAM	36	0	18.53	18.51	18.55								
15	256QAM	36	36	18.51	18.63	18.52	20.5	5	19	5				
15	256QAM	36	75	18.54	18.65	18.53								
15	256QAM	75	0	18.54	18.51	18.53								
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.58	23.69	23.56	25.5	0	24	0				
10	QPSK	1	25	23.59	23.55	23.60								
10	QPSK	1	49	23.68	23.62	23.62								
10	QPSK	25	0	22.84	22.89	22.83	24.5	1	23	1				
10	QPSK	25	12	22.84	22.78	22.77								
10	QPSK	25	25	22.77	22.77	22.74								
10	QPSK	50	0	22.78	22.79	22.70	24.5	1	23	1				
10	16QAM	1	0	23.10	23.05	23.05								
10	16QAM	1	25	23.01	23.05	22.92								
10	16QAM	1	49	22.99	22.97	22.86	23.5	2	22	2				
10	16QAM	25	0	21.73	21.74	21.60								
10	16QAM	25	12	21.88	21.85	21.92								
10	16QAM	25	25	21.85	21.82	21.82	23.5	2	22	2				
10	16QAM	50	0	21.81	21.69	21.82								
10	64QAM	1	0	21.68	21.66	21.64								
10	64QAM	1	25	21.78	21.59	21.68	22.5	3	21	3				
10	64QAM	25	0	20.67	20.74	20.83								
10	64QAM	25	12	20.81	20.82	20.80								
10	64QAM	25	25	20.88	20.83	20.91	20.5	5	19	5				
10	64QAM	50	0	20.85	20.75	20.80								
10	256QAM	1	0	18.55	18.55	18.52								
10	256QAM	1	25	18.51	18.67	18.61	20.5	5	19	5				
10	256QAM	1	49	18.61	18.62	18.52								
10	256QAM	25	0	18.53	18.64	18.50								
10	256QAM	25	12	18.57	18.63	18.51	20.5	5	19	5				
10	256QAM	25	25	18.62	18.74	18.61								
10	256QAM	50	0	18.55	18.62	18.53								
10	256QAM	50	24	18.60	18.71	18.58								
10	256QAM	50	50	18.64	18.75	18.54								



Band 41 HPUE_Ant 0																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mode Ch. / Freq.	Power Low Mode Ch. / Freq.	Power High Mode Ch. / Freq.	Power High Mode Ch. / Freq.	Power High Mode Ch. / Freq.	Time-up limit (min)	MPR (dB)						
Channel																
Frequency (MHz)																
20	QPSK	1	0	25.56	25.55	25.60	25.55	25.52	27	0						
20	QPSK	1	48	25.61	25.67	25.58	25.45	25.56								
20	QPSK	1	96	25.54	25.53	25.53	25.59	25.58								
20	QPSK	50	24	24.70	24.65	24.81	24.77	24.71								
20	QPSK	50	50	24.71	24.63	24.80	24.80	24.71	26	1						
20	QPSK	100	0	24.77	24.58	24.79	24.78	24.68								
20	16QAM	1	0	24.94	24.96	24.94	25.03	25.05								
20	16QAM	1	48	24.91	24.93	24.90	24.89	24.89								
20	16QAM	50	0	23.81	23.89	23.74	23.79	23.80	26	1						
20	16QAM	50	24	23.84	23.91	23.84	23.85	23.86								
20	16QAM	100	0	23.82	23.87	23.84	23.89	23.90								
20	64QAM	1	0	22.71	22.76	22.69	22.78	22.85								
20	64QAM	1	48	22.84	22.82	22.88	22.86	22.87	25	2						
20	64QAM	50	24	22.84	22.91	22.85	22.84	22.85								
20	64QAM	50	50	22.80	22.85	22.84	22.85	22.80								
20	256QAM	1	0	20.38	20.19	20.47	20.37	20.69								
20	256QAM	1	48	20.33	20.22	20.46	20.63	20.67	22	5						
20	256QAM	1	96	20.38	20.19	20.47	20.37	20.69								
20	256QAM	50	0	20.54	20.42	20.54	20.68	20.70								
20	256QAM	50	24	20.58	20.43	20.61	20.73	20.77								
20	256QAM	80	50	20.53	20.34	20.59	20.66	20.60	22	5						
20	256QAM	100	0	20.48	20.37	20.53	20.72	20.69								
Channel																
Frequency (MHz)																
15	QPSK	1	0	25.52	25.47	25.50	25.43	25.41	27.80	0						
15	QPSK	1	48	25.54	25.40	25.53	25.43	25.45								
15	QPSK	1	74	25.53	25.58	25.52	25.59	25.52								
15	QPSK	36	0	24.71	24.76	24.73	24.69	24.62								
15	QPSK	36	36	24.70	24.68	24.75	24.72	24.64	26	1						
15	QPSK	36	36	24.76	24.73	24.70	24.57	24.58								
15	QPSK	75	0	24.73	24.69	24.76	24.62	24.68								
15	16QAM	1	0	24.80	24.83	24.87	24.80	24.87								
15	16QAM	1	37	24.80	24.91	24.86	24.65	24.68	26	1						
15	16QAM	1	74	24.84	24.84	24.78	24.81	24.74								
15	16QAM	36	0	23.71	23.76	23.59	23.58	23.61								
15	16QAM	36	20	23.62	23.69	23.75	23.61	23.65								
15	16QAM	75	0	23.68	23.66	23.62	23.65	23.67	25	2						
15	16QAM	75	0	23.80	23.74	23.87	23.68	23.74								
15	64QAM	1	0	23.21	23.65	23.65	23.55	23.41								
15	64QAM	1	37	23.27	23.71	23.65	23.55	23.60								
15	64QAM	1	74	23.68	23.68	23.76	23.58	23.56	25	2						
15	64QAM	36	0	22.19	22.81	22.73	22.65	22.57								
15	64QAM	36	20	22.31	22.72	22.76	22.70	22.76								
15	64QAM	36	36	22.45	22.79	22.71	22.64	22.61								
15	64QAM	75	0	22.36	22.74	22.67	22.70	22.59	24	3						
15	256QAM	1	0	20.27	20.23	20.36	20.58	20.64								
15	256QAM	1	37	20.17	20.14	20.41	20.49	20.52								
15	256QAM	1	74	20.17	20.17	20.17	20.17	20.17								
15	256QAM	36	0	20.45	20.26	20.40	20.55	20.57	22	5						
15	256QAM	36	20	20.40	20.30	20.51	20.62	20.67								
15	256QAM	75	0	20.36	20.20	20.46	20.60	20.66								
15	256QAM	75	0	20.34	20.25	20.38	20.60	20.61								
Channel																
Frequency (MHz)																
10	QPSK	1	0	25.52	25.58	25.58	25.59	25.46	27.80	0						
10	QPSK	1	25	25.53	25.53	25.53	25.44	25.51								
10	QPSK	1	48	25.54	25.55	25.55	25.51	25.33								
10	QPSK	25	0	24.76	24.83	24.91	24.55	24.66								
10	QPSK	25	0	24.66	24.74	24.82	24.66	24.66	26	1						
10	QPSK	25	25	24.81	24.88	24.88	24.60	24.66								
10	QPSK	50	0	24.82	24.83	24.94	24.75	24.66								
10	16QAM	1	0	25.13	25.02	25.15	25.00	25.00								
10	16QAM	1	25	24.90	24.98	25.04	24.79	24.82	26	1						
10	16QAM	1	48	24.97	25.04	24.96	24.77	24.76								
10	16QAM	25	0	23.81	23.75	23.79	23.74	23.63								
10	16QAM	25	12	23.94	23.85	23.86	23.68	23.65								
10	16QAM	25	25	23.86	23.82	24.04	23.66	23.84	25	2						
10	16QAM	80	0	23.87	23.88	24.09	23.73	23.83								
10	64QAM	1	0	23.86	23.91	23.95	23.69	23.88								
10	64QAM	1	25	23.95	23.80	24.03	23.76	23.89								
10	64QAM	1	48	23.85	23.83	23.93	23.75	23.80	25	2						
10	64QAM	25	0	22.87	22.91	22.96	22.15	22.81								
10	64QAM	25	12	23.02	23.01	23.16	22.93	23.03								
10	64QAM	25	25	22.90	22.96	23.12	22.23	22.92								
10	256QAM	1	0	20.26	20.26	20.36	20.60	20.66	24	3						
10	256QAM	1	0	20.26	20.26	20.36	20.60	20.66								
10	256QAM	1	25	20.18	20.09	20.30	20.51	20.52								
10	256QAM	1	48	20.33	20.13	20.36	20.43	20.58								
10	256QAM	25	0	20.43	20.33	20.41	20.61	20.69	22	5						
10	256QAM	25	12	20.48	20.33	20.53	20.57	20.68								
10	256QAM	25	25	20.37	20.22	20.51	20.54	20.64								
10	256QAM	50	0	20.33	20.23	20.46	20.61	20.66								
Channel																
Frequency (MHz)																
5	QPSK	1	0	25.54	25.50	25.50	25.43	25.40	27.00	0						
5	QPSK	1	12	25.50	25.56	25.51	25.55	25.43								
5	QPSK	1	24	24.48	24.53	24.50	24.86	24.70								
5	QPSK	12	0	24.88	24.84	24.79	24.71	24.63								
5	QPSK	12	7	24.85	24.93	24.90	24.62	24.77	26	1						
5	QPSK	12	13	24.82	24.83	24.83	24.75	24.73								
5	QPSK	25	0	24.82	24.70	24.79	24.70	24.75								



Band 4_Ant 0										
Int. (MHz)	Modulation	RB Size	RB Offset	Power (dBm)	Power (dBm)	Power (dBm)	Turn-on time (ms)	MPK (dB)		
Channel										
Frequency (MHz)										
20	QPSK	50	0	27.28	27.28	22.89	24	0		
20	QPSK	50	8	27.73	27.73	22.73				
20	QPSK	50	16	27.74	27.74	22.72				
20	QPSK	50	0	21.83	21.86	21.89	23	1		
20	QPSK	50	8	21.83	21.86	21.89				
20	QPSK	50	16	21.77	21.85	21.88				
20	QPSK	100	0	21.80	21.82	21.89	23	1		
20	QPSK	100	8	21.80	21.82	21.89				
20	QPSK	100	16	21.77	21.85	21.88				
20	HQPSK	50	0	22.11	22.14	22.13	22	2		
20	HQPSK	50	8	22.09	22.09	22.03				
20	HQPSK	50	16	22.03	22.03	22.07				
20	HQPSK	100	0	21.11	21.21	21.07	22	2		
20	HQPSK	100	8	20.95	20.98	20.95				
20	HQPSK	100	16	20.95	20.98	20.95				
20	HQPSK	50	24	18.89	18.95	18.96	21	3		
20	HQPSK	50	32	18.77	18.83	18.83				
20	HQPSK	50	40	18.76	18.83	18.83				
20	HQPSK	100	0	18.86	18.93	18.94	19	5		
20	HQPSK	100	8	18.14	18.13	18.13				
20	HQPSK	100	16	18.16	18.16	18.16				
20	HQPSK	50	48	18.11	18.19	18.13	19	5		
20	HQPSK	50	56	18.06	18.03	18.03				
20	HQPSK	50	64	18.04	18.08	18.01				
20	HQPSK	100	0	18.07	18.07	18.03	19	5		
20	HQPSK	100	8	18.07	18.07	18.03				
20	HQPSK	100	16	18.05	18.05	18.01				
Channel										
Frequency (MHz)										
15	QPSK	50	0	17.17	17.32	17.47	24	0		
15	QPSK	50	8	22.73	22.77	22.75				
15	QPSK	50	16	22.71	22.77	22.73				
15	QPSK	50	24	22.68	22.68	22.64	23	1		
15	QPSK	50	32	21.87	21.87	21.87				
15	QPSK	50	40	21.94	21.85	21.81				
15	QPSK	36	0	21.77	21.78	21.73	23	1		
15	QPSK	36	8	21.84	21.84	21.84				
15	QPSK	36	16	22.23	22.14	22.13				
15	HQPSK	50	0	22.10	22.01	22.06	23	1		
15	HQPSK	50	8	22.04	22.04	22.04				
15	HQPSK	50	16	20.94	20.90	20.90				
15	HQPSK	36	20	20.94	20.87	20.79	22	2		
15	HQPSK	36	28	20.94	20.87	20.79				
15	HQPSK	36	36	20.91	20.85	20.78				
15	HQPSK	16	0	21.11	21.06	20.99	22	2		
15	HQPSK	16	8	21.04	21.04	21.04				
15	HQPSK	16	16	20.85	20.86	20.81				
15	HQPSK	36	0	20.00	19.95	19.82	21	3		
15	HQPSK	36	8	20.00	19.97	19.89				
15	HQPSK	36	16	19.84	19.81	19.84				
15	HQPSK	75	0	19.93	19.93	19.92	19	5		
15	HQPSK	75	8	19.93	19.93	19.93				
15	HQPSK	75	16	19.93	19.93	19.93				
15	HQPSK	36	24	18.86	18.93	18.94	19	5		
15	HQPSK	36	32	18.77	18.83	18.83				
15	HQPSK	36	40	18.76	18.83	18.83				
15	HQPSK	100	0	18.86	18.93	18.94	19	5		
15	HQPSK	100	8	18.14	18.13	18.13				
15	HQPSK	100	16	18.16	18.16	18.16				
15	HQPSK	50	48	18.11	18.19	18.13	19	5		
15	HQPSK	50	56	18.06	18.03	18.03				
15	HQPSK	50	64	18.04	18.08	18.01				
15	HQPSK	100	0	18.07	18.07	18.03	19	5		
15	HQPSK	100	8	18.07	18.07	18.03				
15	HQPSK	100	16	18.05	18.05	18.01				
Channel										
Frequency (MHz)										
10	QPSK	50	0	22.82	22.82	22.86	24	0		
10	QPSK	50	8	22.78	22.87	22.89				
10	QPSK	50	16	22.87	22.79	22.81				
10	QPSK	50	24	22.88	22.78	22.81	23	1		
10	QPSK	50	32	21.96	21.95	21.91				
10	QPSK	50	40	21.84	21.91	21.91				
10	HQPSK	50	0	21.95	21.94	21.91	23	1		
10	HQPSK	50	8	22.29	22.24	22.21				
10	HQPSK	50	16	22.29	22.21	22.12				
10	HQPSK	36	0	21.12	21.09	21.05	22	2		
10	HQPSK	36	8	21.06	20.97	20.93				
10	HQPSK	36	16	20.98	20.96	20.93				
10	HQPSK	50	20	20.95	20.95	20.92	21	3		
10	HQPSK	50	28	21.14	21.03	21.09				
10	HQPSK	50	36	21.02	21.04	21.03				
10	HQPSK	25	12	20.03	20.02	19.98	21	3		
10	HQPSK	25	20	19.96	19.97	19.96				
10	HQPSK	25	28	19.96	19.97	19.96				
10	HQPSK	16	0	19.06	18.91	17.87	19	5		
10	HQPSK	16	8	18.81	18.80	17.82				
10	HQPSK	16	16	18.80	18.81	17.83				
10	HQPSK	36	0	17.88	17.87	17.89	19	5		
10	HQPSK	36	8	17.84	17.82	17.89				
10	HQPSK	36	16	17.89	17.89	17.89				
10	HQPSK	50	0	17.93	17.94	17.98	19	5		
10	HQPSK	50	8	17.93	17.94	17.98				
10	HQPSK	50	16	17.93	17.94	17.98				
Channel										
Frequency (MHz)										
5	QPSK	16	0	22.82	22.82	22.86	24	0		
5	QPSK	16	8	22.87	22.88	22.88				
5	QPSK	16	16	22.87	22.81	22.81				
5	QPSK	12	0	22.02	22.03	21.96	23	1		
5	QPSK	12	7	22.03	21.94	21.94				
5	QPSK	12	14	21.95	21.84	21.84				
5	QPSK	25	0	22.04	21.92	21.91	23	1		
5	QPSK	25	8	22.39	22.28	22.19				
5	QPSK	25	16	22.38	22.31	22.22				
5	HQPSK	16	0	22.29	22.21	22.22	23	1		
5	HQPSK	16	8	21.98	21.97	21.97				
5	HQPSK	16	16	21.98	21.97	21.97				
5	HQPSK	12	7	21.95	21.86	21.86	22	2		
5	HQPSK	12	14	21.91	21.82	21.82				
5	HQPSK	12	21	21.89	21.80	21.80				
5	HQPSK	25	0	21.23	21.15	21.15	22	2		
5	HQPSK	25	8	21.10	21.03	21.02				
5	HQPSK	25	16	21.10	21.03	21.02				
5	HQPSK	12	0	20.06	19.96	19.96	21	3		
5	HQPSK	12	7	20.10	20.00	20.02				
5	HQPSK	12	14	20.05	19.95	19.92				
5	HQPSK	16	0	19.05	18.95	17.86	19	5		
5	HQPSK	16	8	18.80	18.80	17.82				
5	HQPSK	16	16	18.80	18.80	17.82				
5	HQPSK	25	0	17.84	18.00	17.87	19	5		
5	HQPSK	25	8	17.89	17.89	17.89				
5	HQPSK	25	16	17.84	17.84	17.88				
5	HQPSK	25	0	17.91	17.95	17.92	19	5		
5	HQPSK	25	8	17.91	17.95	17.92				
5	HQPSK	25	16	17.91	17.95	17.92				
Channel										
Frequency (MHz)										
3	QPSK	8	0	22.79	22.83	22.86	24	0		
3	QPSK	8	4	22.80	22.80	22.82				
3	QPSK	8	8	22.81	22.82	22.86				
3	QPSK	8	0	21.83	21.88	21.90	23	1		
3	QPSK	8	4	21.84	21.84	21.84				
3	QPSK	8	7	21.82	21.91	21.90				
3	QPSK	15	0	21.91	21.90	21.90	23	1		
3	QPSK	15	8	21.90	21.89	21.89				
3	QPSK	15	16	21.89	21.89	21.89				
3	HQPSK	8	0	22.33	22.32	22.25	23	1		
3	HQPSK	8	4	21.04	21.19	22.15				
3	HQPSK	8	7	21.00	20.94	20.99				
3	HQPSK	8	0	21.04	21.01	20.95	22	2		
3	HQPSK	8	4	20.94	20.92	20.92				
3	HQPSK	8	7	20.92	20.95	20.93				
3	HQPSK	15	0	21.14	21.12	21.07	22	2		
3	HQPSK	15	8	21.12	21.10	21.14				
3	HQPSK	15	16	21.10	21.08	21.11				
3	HQPSK	8	0	19.88	20.00	20.00	21	3		
3	HQPSK	8	4	19.91	19.98	20.00				
3	HQPSK	8	7	19.97	19.98	19.99				
3	HQPSK	15	0	20.07	19.98	20.05	19	5		
3	HQPSK	15	8	20.03	19.98	20.00				
3	HQPSK	15	16	19.98	19.98	20.00				
3	HQPSK	8	0	17.96	18.08	17.89	19	5		
3	HQPSK	8	4	17.92	17.97	17.88				
3	HQPSK	8	7	17.96	17.96	17.88				
3	HQPSK	15	0	17.92	17.97	17.89	19	5		
3	HQPSK	15	8	17.96	17.96	17.89				
3	HQPSK	15	16	17.92	17.96	17.89				
Channel										
Frequency (MHz)										
1.4	QPSK	3	0	22.80	22.80	22.83	24	0		
1.4	QPSK	3	1	22.88	22.82	22.81				
1.4	QPSK	3	2	22.89	22.82	22.71				
1.4	QPSK	3	0	21.82	21.82	21.82	23	1		
1.4	QPSK	3	1	21.96	21.97	21.97				
1.4	QPSK	3	2	21.98	22.04	22.03				
1.4	QPSK	3	0	22.91	22.92	22.91	23	1		
1.4	QPSK	3	1	22.92	22.92	22.92				
1.4	QPSK	3	2	22.92	22.92	22.92				
1.4	HQPSK	3	0	22.21	22.24	22.26	23	1		
1.4	HQPSK</									

Band 4_Ant 1										
WV (MHz)	Modulation	RB Size	RB Offset	Power (dBm) CH / Freq.	Power (dBm) CH / Freq.	Power (dBm) CH / Freq.	Turn-up Time (s)	APNs (cid)		
Frequency (MHz)										
20	QPSK	1	0	19.17	19.30	19.26				
20	QPSK	1	1	19.17	19.30	19.26				
20	QPSK	8	0	19.06	19.17	19.19				
20	QPSK	8	1	19.12	19.18	19.17				
20	QPSK	8	2	19.12	19.17	19.17				
20	QPSK	8	3	19.12	19.17	19.17				
20	QPSK	8	4	19.06	19.07	19.09	20.5	0		
20	QPSK	16	0	19.11	19.20	19.12				
20	QPSK	16	1	19.11	19.20	19.12				
20	HQDM	1	0	19.06	19.08	19.08				
20	HQDM	1	1	19.12	19.12	19.12				
20	HQDM	8	0	19.06	19.07	19.09				
20	HQDM	8	1	19.12	19.12	19.12				
20	HQDM	8	2	19.06	19.07	19.09	20.5	0		
20	HQDM	8	3	19.12	19.12	19.12				
20	HQDM	8	4	19.06	19.07	19.09				
20	HQDM	16	0	19.11	19.12	19.12				
20	HQDM	16	1	19.06	19.10	19.10	20.5	0		
20	HQDM	16	2	19.12	19.12	19.12				
20	HQDM	16	3	19.06	19.07	19.09				
20	HQDM	16	4	19.12	19.12	19.12				
20	HQDM	32	0	17.77	17.89	17.87				
20	HQDM	32	1	17.86	17.88	17.88	19	1.5		
20	HQDM	32	2	17.79	17.86	17.89				
20	HQDM	32	3	17.79	17.86	17.89				
20	HQDM	32	4	17.79	17.86	17.89				
20	HQDM	32	5	17.85	17.88	17.86				
20	HQDM	32	6	17.79	17.86	17.89				
Channel										
	Frequency (MHz)			19.000	19.075	19.066	Turn-up Time (s)	APNs (cid)		
	Frequency (MHz)			17.712	17.735	17.741				
15	QPSK	1	0	19.07	19.07	19.07				
15	QPSK	1	1	19.07	19.07	19.08	20.5	0		
15	QPSK	1	2	19.07	19.07	19.08				
15	QPSK	1	3	19.07	19.07	19.08				
15	QPSK	1	4	19.06	19.10	19.09				
15	QPSK	8	0	19.06	19.07	19.07				
15	QPSK	8	1	19.07	19.08	19.07	20.5	0		
15	QPSK	8	2	19.06	19.08	19.07				
15	QPSK	8	3	19.06	19.08	19.07				
15	QPSK	8	4	19.06	19.08	19.07				
15	HQDM	1	0	19.04	19.04	19.03				
15	HQDM	1	1	19.02	19.06	19.01	20.5	0		
15	HQDM	1	2	19.02	19.06	19.01				
15	HQDM	1	3	19.02	19.06	19.01				
15	HQDM	8	0	19.02	19.06	19.01				
15	HQDM	8	1	19.02	19.06	19.01	20.5	0		
15	HQDM	8	2	19.02	19.06	19.01				
15	HQDM	8	3	19.02	19.06	19.01				
15	HQDM	8	4	19.02	19.06	19.01				
15	HQDM	16	0	19.05	19.01	19.03				
15	HQDM	16	1	19.05	19.01	19.03	20.5	0		
15	HQDM	16	2	19.05	19.01	19.03				
15	HQDM	16	3	19.05	19.01	19.03				
15	HQDM	16	4	19.05	19.01	19.03				
15	HQDM	32	0	17.71	17.81	17.83				
15	HQDM	32	1	17.71	17.81	17.83	19	1.5		
15	HQDM	32	2	17.74	17.80	17.77				
15	HQDM	32	3	17.64	17.78	17.82				
15	HQDM	32	4	17.64	17.78	17.82				
15	HQDM	32	5	17.73	17.82	17.86				
15	HQDM	32	6	17.73	17.82	17.86	19	1.5		
15	HQDM	32	7	17.73	17.82	17.86				
15	HQDM	32	8	17.79	17.78	17.87				
Channel										
	Frequency (MHz)			17.712	17.735	17.741	Turn-up Time (s)	APNs (cid)		
5	QPSK	1	0	19.09	19.31	19.10				
5	QPSK	1	1	19.09	19.31	19.12	20.5	0		
5	QPSK	1	2	19.09	19.31	19.12				
5	QPSK	1	3	19.09	19.31	19.12				
5	QPSK	12	7	19.02	19.08	19.07				
5	QPSK	12	8	19.02	19.08	19.07	20.5	0		
5	QPSK	12	9	19.02	19.08	19.07				
5	QPSK	16	0	19.06	19.04	19.06				
5	QPSK	16	1	19.06	19.04	19.06	20.5	0		
5	QPSK	16	2	19.06	19.04	19.06				
5	HQDM	1	0	19.08	19.02	19.05				
5	HQDM	1	1	19.02	19.02	19.03	20.5	0		
5	HQDM	1	2	19.02	19.02	19.03				
5	HQDM	1	3	19.02	19.02	19.03				
5	HQDM	12	13	19.01	19.00	19.00				
5	HQDM	12	14	19.01	19.00	19.00	20.5	0		
5	HQDM	12	15	19.01	19.00	19.00				
5	HQDM	12	16	19.01	19.00	19.00				
5	HQDM	12	17	19.01	19.00	19.00				
5	HQDM	12	18	19.01	19.00	19.00				
5	HQDM	12	19	19.01	19.00	19.00				
5	HQDM	12	20	19.01	19.00	19.00				
5	HQDM	12	21	19.01	19.00	19.00				
5	HQDM	12	22	19.01	19.00	19.00				
5	HQDM	12	23	19.01	19.00	19.00				
5	HQDM	12	24	19.01	19.00	19.00				
5	HQDM	12	25	19.01	19.00	19.00				
5	HQDM	12	26	19.01	19.00	19.00				
5	HQDM	12	27	19.01	19.00	19.00				
5	HQDM	12	28	19.01	19.00	19.00				
5	HQDM	12	29	19.01	19.00	19.00				
5	HQDM	12	30	19.01	19.00	19.00				
5	HQDM	12	31	19.01	19.00	19.00				
5	HQDM	12	32	19.01	19.00	19.00				
5	HQDM	12	33	19.01	19.00	19.00				
5	HQDM	12	34	19.01	19.00	19.00				
5	HQDM	12	35	19.01	19.00	19.00				
5	HQDM	12	36	19.01	19.00	19.00				
5	HQDM	12	37	19.01	19.00	19.00				
5	HQDM	12	38	19.01	19.00	19.00				
5	HQDM	12	39	19.01	19.00	19.00				
5	HQDM	12	40	19.01	19.00	19.00				
5	HQDM	12	41	19.01	19.00	19.00				
5	HQDM	12	42	19.01	19.00	19.00				
5	HQDM	12	43	19.01	19.00	19.00				
5	HQDM	12	44	19.01	19.00	19.00				
5	HQDM	12	45	19.01	19.00	19.00				
5	HQDM	12	46	19.01	19.00	19.00				
5	HQDM	12	47	19.01	19.00	19.00				
5	HQDM	12	48	19.01	19.00	19.00				
5	HQDM	12	49	19.01	19.00	19.00				
5	HQDM	12	50	19.01	19.00	19.00				
5	HQDM	12	51	19.01	19.00	19.00				
5	HQDM	12	52	19.01	19.00	19.00				
5	HQDM	12	53	19.01	19.00	19.00				
5	HQDM	12	54	19.01	19.00	19.00				
5	HQDM	12	55	19.01	19.00	19.00				
5	HQDM	12	56	19.01	19.00	19.00				
5	HQDM	12	57	19.01	19.00	19.00				
5	HQDM	12	58	19.01	19.00	19.00				
5	HQDM	12	59	19.01	19.00	19.00				
5	HQDM	12	60	19.01	19.00	19.00				
5	HQDM	12	61	19.01	19.00	19.00				
5	HQDM	12	62	19.01	19.00	19.00				
5	HQDM	12	63	19.01	19.00	19.00				
5	HQDM	12	64	19.01	19.00	19.00				
5	HQDM	12	65	19.01	19.00	19.00				
5	HQDM	12	66	19.01	19.00	19.00				
5	HQDM	12	67	19.01	19.00	19.00				
5	HQDM	12	68	19.01	19.00	19.00				
5	HQDM	12	69	19.01	19.00	19.00				
5	HQDM	12	70	19.01	19.00	19.00				
5	HQDM	12	71	19.01	19.00	19.00				
5	HQDM	12	72	19.01	19.00	19.00				
5	HQDM	12	73	19.01	19.00	19.00				
5	HQDM	12	74	19.01	19.00	19.00				
5	HQDM	12	75	19.01	19.00	19.00				
5	HQDM	12	76	19.01	19.00	19.00				
5	HQDM	12	77	19.01	19.00	19.00				
5	HQDM	12	78	19.01	19.00	19.00				
5	HQDM	12	79	19.01	19.00	19.00				
5	HQDM	12	80	19.01	19.00	19.00				
5	HQDM	12	81	19.01	19.00	19.00				
5	HQDM	12	82	19.01	19.00	19.00				
5	HQDM	12	83	19.01	19.00	19.00				
5	HQDM	12	84	19.01	19.00	19.00				
5	HQDM	12	85	19.01	19.00	19.00				
5	HQDM	12	86	19.01	19.00	19.00				
5	HQDM	12	87	19.01	19.00	19.00				
5	HQDM	12	88	19.01	19.00	19.00				
5	HQDM	12	89	19.01	19.00	19.00				
5	HQDM	12	90	19.01	19.00	19.00				
5	HQDM	12	91	19.01	19.00	19.00				
5	HQDM	12	92	19.01	19.00	19.00				
5	HQDM	12	93	19.01	19.00	19.00				
5	HQDM	12	94	19.01	19.00	19.00				
5	HQDM	12	95	19.01	19.00	19.00				
5	HQDM	12	96	19.01	19.00	19.00				
5	HQDM	12	97	19.01	19.00	19.00				
5	HQDM	12	98	19.01	19.00	19.00				
5	HQDM	12	99	19.01	19.00	19.00				
5	HQDM	12	100	19.01	19.00	19.00				
5	HQDM	12	101	19.01	19.00	19.00				
5	HQDM	12	102	19.01	19.00	19.00				
5	HQDM	12	103	19.01	19.00	19.00				
5	HQDM	12	104	19.01	19.00	19.00				
5	HQDM	12	105	19.01	19.00	19.00				
5	HQDM	12	106	19.01	19.00	19.00				
5	HQDM	12	107	19.01	19.00	19.00				
5	HQDM	12	108	19.01	19.00	19.00				
5	HQDM	12	109	19.01	19.00	19.00				
5	HQDM	12								



Band 5_Ant 0									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Max Ch./F.Freq.	Power Min Ch./F.Freq.	Power Avg Ch./F.Freq.	Turn-up Time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.48	22.56	22.53	24	0	
15	QPSK	1	25	22.43	22.49	22.47			
15	QPSK	1	49	22.40	22.31	22.43			
15	QPSK	25	0	21.48	21.63	21.62	23	1	
15	QPSK	25	12	21.48	21.60	21.53			
15	QPSK	25	25	21.49	21.54	21.48			
15	QPSK	50	0	21.47	21.60	21.52	23	1	
15	16QAM	1	0	21.91	21.75	21.85			
15	16QAM	1	25	22.11	21.77	21.84			
15	16QAM	1	49	21.83	21.66	21.66	22	2	
15	16QAM	25	0	20.44	20.38	20.48			
15	16QAM	25	12	20.51	20.51	20.52			
15	16QAM	25	25	20.49	20.46	20.49	22	2	
15	16QAM	50	0	20.50	20.53	20.59			
15	16QAM	50	12	20.59	20.59	20.64			
15	64QAM	1	0	20.59	20.59	20.64	22	2	
15	64QAM	1	25	20.57	20.58	20.62			
15	64QAM	1	49	20.79	20.30	20.26			
15	64QAM	25	0	19.32	19.43	19.40	21	3	
15	64QAM	25	12	19.50	19.50	19.54			
15	64QAM	25	25	19.48	19.50	19.40			
15	64QAM	50	0	19.37	19.50	19.37	19	5	
15	256QAM	1	25	17.86	17.94	17.94			
15	256QAM	1	49	17.87	17.86	17.94			
15	256QAM	25	12	17.86	17.89	17.78	19	5	
15	256QAM	25	25	17.85	17.89	18.01			
15	256QAM	50	0	17.88	17.82	17.92			
15	256QAM	50	12	17.89	17.88	17.92	Turn-up (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.41	22.33	22.37	24	0	
5	QPSK	1	12	22.20	22.40	22.20			
5	QPSK	1	24	22.29	22.34	22.45			
5	QPSK	12	0	21.51	21.41	21.48	23	1	
5	QPSK	12	7	21.36	21.55	21.50			
5	QPSK	12	14	21.35	21.55	21.50			
5	QPSK	25	0	21.43	21.45	21.49	23	1	
5	16QAM	1	0	21.70	21.80	21.81			
5	16QAM	1	12	21.70	22.09	21.89			
5	16QAM	12	0	21.70	22.00	21.89	22	2	
5	16QAM	12	7	20.48	20.58	20.47			
5	16QAM	12	14	20.58	20.54	20.48			
5	16QAM	25	0	20.39	20.42	20.43	21	3	
5	64QAM	1	0	21.25	21.42	21.68			
5	64QAM	1	12	21.85	21.38	21.40			
5	64QAM	1	24	21.57	21.51	21.55	21	3	
5	64QAM	12	0	20.27	20.22	20.38			
5	64QAM	12	7	20.59	20.59	20.59			
5	64QAM	12	14	20.35	20.40	20.52	19	5	
5	64QAM	25	0	20.26	20.38	20.42			
5	256QAM	1	0	17.75	17.80	17.77			
5	256QAM	1	12	17.75	17.89	17.81	19	5	
5	256QAM	1	24	17.60	17.67	17.81			
5	256QAM	12	0	17.82	17.86	17.85			
5	256QAM	12	7	17.78	17.79	17.94	19	5	
5	256QAM	12	13	17.83	17.79	17.81			
5	256QAM	12	18	17.83	17.86	17.78			
5	256QAM	25	0	17.82	17.85	17.87	Turn-up (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.25	22.34	22.30	24	0	
5	QPSK	1	8	22.25	22.48	22.31			
5	QPSK	1	14	22.28	22.47	22.24			
5	QPSK	12	0	21.33	21.30	21.34	23	1	
5	QPSK	8	4	21.30	21.49	21.43			
5	QPSK	8	7	21.38	21.43	21.31			
5	QPSK	12	0	21.30	21.30	21.34	23	1	
5	16QAM	1	0	21.86	21.60	21.62			
5	16QAM	1	8	21.87	21.44	21.34			
5	16QAM	16	0	20.47	20.57	20.52	22	2	
5	16QAM	8	4	20.48	20.65	20.54			
5	16QAM	8	7	20.46	20.57	20.36			
5	16QAM	16	0	20.30	20.40	20.43	22	2	
5	64QAM	1	0	20.96	20.72	20.79			
5	64QAM	1	8	20.76	20.30	20.76			
5	64QAM	1	14	20.78	20.81	20.86	21	3	
5	64QAM	8	0	19.87	19.61	19.43			
5	64QAM	8	4	19.83	19.72	19.67			
5	64QAM	8	7	19.45	19.46	19.36	19	5	
5	64QAM	15	0	19.23	19.43	19.39			
5	256QAM	1	0	17.75	17.80	17.79			
5	256QAM	1	8	17.77	17.80	17.79	19	5	
5	256QAM	8	0	17.69	17.69	17.79			
5	256QAM	8	4	17.84	17.77	17.86			
5	256QAM	8	7	17.83	17.86	17.76	19	5	
5	256QAM	15	0	17.82	17.85	17.87			
5	256QAM	15	0	17.82	17.85	17.87			
5	256QAM	15	0	17.82	17.85	17.87	Turn-up (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.25	22.34	22.30	24	0	
15	QPSK	1	12	22.02	22.39	22.03			
15	QPSK	1	24	22.05	22.87	22.69			
15	QPSK	12	0	22.36	22.36	22.42	23	1	
15	QPSK	12	7	22.34	22.35	22.26			
15	QPSK	12	13	22.37	22.38	22.32			
15	QPSK	25	0	22.32	22.30	22.25	23	1	
15	16QAM	1	0	22.52	22.47	22.47			
15	16QAM	1	25	22.54	22.48	22.45			
15	16QAM	25	12	21.38	21.38	21.37	22	2	
15	16QAM	25	25	21.37	21.37	21.31			
15	16QAM	50	0	21.37	21.38	21.21			
15	16QAM	50	12	21.47	21.47	21.44	22	2	
15	64QAM	1	0	21.08	21.42	21.40			
15	64QAM	1	24	21.47	21.54	21.52	21	3	
15	64QAM	25	0	20.40	20.32	20.25			
15	64QAM	25	12	20.40	20.41	20.35			
15	64QAM	50	0	20.39	20.38	20.32	19	5	
15	64QAM	50	0	20.39	20.36	20.26			
15	256QAM	1	25	18.05	18.07	18.16			
15	256QAM	1	49	18.21	18.09	18.18	19	5	
15	256QAM	12	0	18.02	18.02	18.10			
15	256QAM	25	12	18.16	18.07	18.18	19	5	
15	256QAM	25	25	18.12	18.07	18.15			
15	256QAM	50	0	18.20	18.15	18.15			
15	256QAM	50	12	18.15	18.09	18.11	19	5	
15	256QAM	12	7	18.07	18.16	18.17			
15	256QAM	12	13	18.07	18.10	18.11			
15	256QAM	25	0	18.15	18.09	18.13	Turn-up (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.25	22.34	22.30	24	0	
15	QPSK	1	12	22.02	22.39	22.03			
15	QPSK	1	24	22.05	22.87	22.69			
15	QPSK	12	0	22.36	22.36	22.42	23	1	
15	QPSK	12	7	22.34	22.35	22.26			
15	QPSK	12	13	22.37	22.38	22.32			
15	QPSK	25	0	22.32	22.30	22.25	23	1	
15	16QAM	1	0	22.52	22.47	22.47			
15	16QAM	1	25	22.54	22.48	22.45			
15	16QAM	25	12	21.38	21.38	21.37	22	2	
15	16QAM	25	25	21.37	21.37	21.31			
15	16QAM	50	0	21.37	21.38	21.21			
15	16QAM	50	12	21.47	21.47	21.44	22	2	
15	64QAM	1	0	21.08	21.42	21.40			
15	64QAM	1	24	21.47	21.54	21.52	21	3	
15	64QAM	25	0	20.40	20.32	20.25			
15	64QAM	25	12	20.40	20.41	20.35			
15	64QAM	50	0	20.39	20.38	20.32	19	5	
15	64QAM	50	0	20.39	20.36	20.26			
15	256QAM	1	25	18.05	18.07	18.16			
15	256QAM	1	49	18.21	18.09	18.18	19	5	
15	256QAM	12	0	18.02	18.02	18.10			
15	256QAM	25	12	18.16	18.07	18.18	19	5	
15	256QAM	25	25	18.12	18.07	18.15			
15	256QAM	50	0	18.20	18.15	18.15			
15	256QAM	50	12	18.15	18.09	18.11	19	5	
15	256QAM	12	7	18.07	18.16	18.17			
15	256QAM	12	13	18.07	18.10	18.11			
15	256QAM	25	0	18.15	18.09	18.13	Turn-up (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.25	22.34	22.30	24	0	
15	QPSK	1	12	22.02	22.39	22.03			
15	QPSK	1	24	22.05	22.87	22.69			
15	QPSK	12	0	22.36	22.36	22.42	23	1	
15	QPSK	12	7	22.34	22.35	22.26			
15	QPSK	12	13	22.37	22.38	22.32			
15	QPSK	25	0	22.32	22.30	22.25	23	1	
15	16QAM	1	0	22.52	22.47	22.47			
15	16QAM	1	25	22.54	22.48	22.45			
15	16QAM	25	12	21.38	21.38	21.37	22	2	
15	16QAM	25	25	21.37	21.37	21.31			
15	16QAM	50	0	21.37	21.38	21.21			
15	16QAM	50	12	21.47	21.47	21.44	22	2	
15	64QAM	1	0	21.08	21.42	21.40			
15	64QAM	1	24	21.47	21.54	21.52	21	3	
15	64QAM	25	0	20.40	20.32	20.25			
15	64QAM	25	12	20.40	20.41	20.35			
15	64QAM	50	0	20.39	20.38	20.32	19	5	
15	64QAM	50	0	20.39	20.36	20.26			
15	256QAM	1	25	18.05	18.07	18.16			
15	256QAM	1	49	18.21	18.09	18.18	19	5	
15	256QAM	12	0	18.02	18.02	18.10			
15	256QAM	25	12	18.16	18.07	18.18	19	5	
15	256QAM	25	25	18.12	18.07	18.15			
15	256QAM	50	0	18.20	18.15	18.15			
15	256Q								



Band 13_Ant 0									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq.	Power Mide Ch / Freq.	Power High Ch / Freq.	Turn-on time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	5	22.65	22.65	22.65	24	0	
10	QPSK	1	25	22.64	22.64	22.64			
10	QPSK	1	49	22.58	22.58	22.58			
10	QPSK	25	5	21.68	21.72	21.70			
10	QPSK	25	12	21.65	21.67	21.70	23	1	
10	QPSK	25	25	21.60	21.65	21.67			
10	QPSK	50	0	21.54	21.73	21.73			
10	16QAM	1	25	22.10	22.10	22.10			
10	16QAM	1	49	21.82	21.82	21.82	23	1	
10	16QAM	1	25	22.10	22.10	22.10			
10	16QAM	25	12	20.87	20.87	20.87			
10	16QAM	25	25	20.82	20.82	20.82			
10	16QAM	50	0	20.57	20.57	20.57	22	2	
10	16QAM	50	0	20.57	20.57	20.57			
10	16QAM	1	0	20.81	20.81	20.81			
10	16QAM	1	25	20.82	20.82	20.82			
10	16QAM	1	49	20.89	20.89	20.89	21	3	
10	16QAM	25	0	19.85	19.85	19.85			
10	16QAM	25	12	19.84	19.84	19.84			
10	16QAM	25	25	19.82	19.82	19.82			
10	16QAM	50	0	19.56	19.56	19.56	19	5	
10	256QAM	1	25	18.05	18.05	18.05			
10	256QAM	1	49	18.11	18.11	18.11			
10	256QAM	25	12	17.81	17.81	17.81			
10	256QAM	25	25	17.87	17.87	17.87	19	5	
10	256QAM	50	0	17.85	17.84	17.77			
10	256QAM	50	0	17.85	17.84	17.77			
10	256QAM	50	0	17.85	17.84	17.77			

Band 17_Ant 0										
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq.	Power Mide Ch / Freq.	Power High Ch / Freq.	Turn-on time (sec)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.71	22.77	22.74	24	0		
10	QPSK	1	25	22.68	22.76	22.70				
10	QPSK	1	49	22.55	22.68	22.64				
10	QPSK	25	0	21.68	21.72	21.70				
10	QPSK	25	12	21.67	21.69	21.70	23	1		
10	QPSK	25	25	21.64	21.65	21.67				
10	QPSK	50	0	21.75	21.78	21.77				
10	16QAM	1	25	22.00	22.03	22.04				
10	16QAM	1	25	21.89	21.78	22.25	23	1		
10	16QAM	1	49	21.72	21.96	22.30				
10	16QAM	25	0	20.86	20.88	20.83				
10	16QAM	25	12	20.85	20.87	20.87				
10	16QAM	25	25	20.84	20.81	20.85	22	2		
10	16QAM	50	0	20.59	20.52	20.59				
10	16QAM	1	0	20.82	20.85	20.86				
10	16QAM	1	25	20.86	21.03	21.46				
10	16QAM	1	49	20.85	20.83	21.06	21	3		
10	16QAM	25	0	19.73	19.71	19.86				
10	16QAM	25	12	19.77	19.81	19.82				
10	16QAM	25	25	19.55	19.52	19.61				
10	16QAM	50	0	19.67	19.79	19.56	19	5		
10	256QAM	1	0	18.04	18.06	18.04				
10	256QAM	1	25	18.05	18.09	18.12				
10	256QAM	1	49	18.07	18.05	18.09				
10	256QAM	25	0	18.03	18.03	18.08	19	5		
10	256QAM	25	12	18.08	18.02	18.03				
10	256QAM	25	25	18.01	18.08	18.03				
10	256QAM	50	0	18.05	18.02	18.01				
Channel										
Frequency (MHz)										
8	QPSK	1	0	22.72	22.70	22.74	24	0		
8	QPSK	1	12	22.61	22.69	22.71				
8	QPSK	1	24	22.67	22.66	22.67				
8	QPSK	12	0	21.75	21.78	21.79				
8	QPSK	12	0	21.60	21.76	21.83	23	1		
8	QPSK	12	12	21.70	21.76	21.78				
8	QPSK	12	24	21.75	21.79	21.76				
8	16QAM	1	24	21.76	21.79	21.73				
8	16QAM	1	0	22.08	22.10	22.11	23	1		
8	16QAM	1	12	22.01	22.01	22.13				
8	16QAM	1	24	22.01	22.11	22.09				
8	16QAM	12	0	20.83	20.81	20.84				
8	16QAM	12	12	20.77	20.85	20.83	22	2		
8	16QAM	12	24	20.72	20.80	20.78				
8	16QAM	25	0	20.80	20.75	20.75				
8	16QAM	25	12	20.81	20.78	20.78				
8	256QAM	1	12	20.85	20.84	20.94	20	2		
8	256QAM	1	24	20.91	20.92	20.93				
8	256QAM	1	12	20.83	20.83	20.84				
8	256QAM	12	7	20.85	20.79	20.79				
8	256QAM	12	18	19.75	19.81	19.80	19	5		
8	256QAM	12	24	19.81	19.82	19.82				
8	256QAM	1	0	17.89	17.90	17.89				
8	256QAM	1	12	17.98	17.93	17.85				
8	256QAM	1	12	17.98	17.93	17.85	19	5		
8	256QAM	12	12	17.92	17.90	17.90				
8	256QAM	12	7	17.85	17.94	17.88				
8	256QAM	12	24	17.87	17.86	17.87				
8	256QAM	25	0	17.97	17.89	17.85	18	5		
8	256QAM	25	12	17.97	17.89	17.85				
8	256QAM	25	24	17.97	17.89	17.85				
8	256QAM	25	12	17.97	17.89	17.85				

Band 25_Ant 0										
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq.	Power Mide Ch / Freq.	Power High Ch / Freq.	Turn-on time (sec)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.83	22.83	22.89	24	0		
20	QPSK	1	25	22.80	22.80	22.78				
20	QPSK	1	49	22.78	22.83	22.88				
20	QPSK	50	0	21.94	22.15	22.01				
20	QPSK	50	12	22.03	22.14	21.97	23	1		
20	QPSK	50	25	21.97	22.12	21.84				
20	QPSK	100	0	21.99	22.09	21.98				
20	16QAM	1	25	22.13	22.48	22.22				
20	16QAM	1	49	22.18	22.35	22.11	23	1		
20	16QAM	1	59	22.13	22.27	22.08				
20	16QAM	25	0	20.94	21.11	21.02				
20	16QAM	50	24	21.51	21.79	20.95				
20	16QAM	50	50	20.98	21.13	20.87	22	2		
20	16QAM	100	0	21.01	21.09	20.99				
20	16QAM	1	0	21.09	21.25	21.06				
20	16QAM	1	59	21.08	21.26	20.99				
20	16QAM	1	25	20.93	21.15	20.88	21	3		
20	16QAM	50	0	19.35	20.15	20.00				
20	16QAM	50	24	20.04	20.03	19.99				
20	16QAM	50	50	20.00	20.15	19.86				
20	16QAM	100	0	20.02	20.09	20.00	19	5		
20	256QAM	1	0	18.05	18.07	18.02				
20	256QAM	1	59	18.12	18.11	18.08				
20	256QAM	25	0	18.00	18.00	18.00				
20	256QAM	50	24	17.98	18.09	17.95	19	5		
20	256QAM	50	50	18.00	18.07	17.88				
20	256QAM	100	0	17.94	17.95	17.92				
20	256QAM	100	0	18.03	18.03	18.03				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.83	22.73	22.65	24	0		
15	QPSK	1	25	22.80	22.71	22.66				
15	QPSK	1	49	22.78	22.67	22.66				
15	QPSK	50	0	21.71	21.86	21.70				
15	QPSK	50	12	21.79	21.83	21.73	23	1		
15	QPSK	50	25	21.77	21.88	21.71				
15	QPSK	100	0	21.78	21.80	21.73				
15	16QAM	1	25	22.01	22.14	22.01				
15	16QAM	1	49	22.03	22.10	22.01	23	1		
15	16QAM	1	59	22.01	22.07	21.97				
15	16QAM	25	0	20.77	20.83	20.76				
15	16QAM	50	24	20.94	20.77	20.85				
15	16QAM	50	50	20.73	20.87	20.65	22	2		
15	16QAM	100	0	20.78	20.90	20.76				
15	16QAM	1	0	20.67	20.81	20.65				
15	16QAM	1	25	20.84	20.98	20.73				
15	16QAM	1	74	20.90	20.92	20.93	22	2		
15	16QAM	1	99	20.88	20.96	20.90				
15	16QAM	50	20	19.82	19.95	19.78				
15	16QAM	50	36	19.81	19.91	19.87				
15	16QAM	50	51	19.82	19.93	19.79	21	3		
15	256QAM	1	0	17.91	18.05	18.04				
15	256QAM	1	37	18.00	17.91	17.86				
15	256QAM	1	62	18.06	17.96	17.86				
15	256QAM	1	74	17.82	17.96	17.88	19	5		
15	256QAM	50	20	17.84	17.99	17.88				
15	256QAM	50	36	17.87	17.97	17.81				
15	256QAM	75	0	17.88	18.00	17.76				

Band 26_Ant 0										
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq.	Power Mide Ch / Freq.	Power High Ch / Freq.	Turn-on time (sec)	MFR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.56	22.56	22.53	24	0		
15	QPSK	1	25	22.50	22.50	22.50				
15	QPSK	1	74	22.53	22.53	22.49				
15	QPSK	36	0	21.80	21.81	21.79				
15	QPSK	36	25	21.72	21.86	21.71	23	1		
15	QPSK	36	39	21.57	21.78	21.67				
15	QPSK	75	0	21.71	21.76	21.87				
15	16QAM	1	25	22.00	22.00	22.00				
15	16QAM	1	37	22.14	22.21	21.83	23	1		
15	16QAM	1	74	21.90	21.82	22.09				
15	16QAM	25	0	20.84	20.84	20.85				
15	16QAM	36	20	20.74	20.63	20.86				
15	16QAM	36	39	20.64	20.63	20.84	22	2		
15	16QAM	75	0	20.84	20.82	20.82				
15	16QAM	1	0	20.59	21.05	20.94				
15	16QAM	1	37	20.94	20.96	20.81				
15	16QAM	1	74	20.99	21.06	20.81	21	3		
15	16QAM	25	0	19.83	20.04	19.80				
15	16QAM	36	0	19.87	19.86	19.75				
15	16QAM	1	0	18.73	18.71	18.64	19	5		
15	16QAM	1	25	17.75	17.83	17.81				
15	16QAM	1	37	17.82	17.90	17.86				
15	16QAM	1	74	17.86	17.77	17.89				
15	16QAM	25	0	17.69	17.72	17.72	19	5		
15	16QAM	36	0	17.78	17.77	17.77				
15	16QAM	75	0	17.71	17.70	17.72				
15	16QAM	75	25	17.69	17.69	17.69				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.51	22.45	22.47	24	0		
15	QPSK	1	25	22.50	22.49	22.52				
15	QPSK	1	74	22.51	22.51	22.49				
15	QPSK	25	0	21.83	21.85	21.86				
15	QPSK	25	12	21.60	21.56	21.58	23	1		
15	QPSK	36	0	21.62	21.62	21.63				
15	QPSK	36	25	21.62	21.56	21.58				
15	16QAM	1	25	21.98	21.79	21.88				
15	16QAM	1	37	21.94	21.83	21.88	22	2		
15	16QAM	1	74	21.93	21.81	21.85				
15	16QAM	25	0	20.86	20.80	20.81				
15	16QAM	36	0	20.82	20.62	20.63				
15	16QAM	36	20	20.63	20.64	20.67	22	2		
15	16QAM	36	39	20.62	20.67	20.58				
15	16QAM	75	0	20.75	20.72	20.70				
15	16QAM	1	25	20.90	20.87	20.86				
15	16QAM	1	37	20.98	20.72	20.71	22	2		
15	16QAM	1	74	20.92	20.73	20.72				
15	16QAM	25	0	19.87	19.59	19.61				
15	16QAM	25	12	19.62	19.67	19.68				
15	16QAM	36	0	19.58	19.58	19.58	21	3		
15	16QAM	36	25	17.72	17.71	17.77				
15	16QAM	36	39	17.62	17.67	17.65				
15	16QAM	75	0	17.67	17.67	17.65				
15	16QAM	25	0	17.60	17.67	17.60	19	5		
15	16QAM	25	12	17.64	17.60	17.65				
15	16QAM	36	0	17.68	17.62	17.62				
15	16QAM	36	25	17.68	17.62	17.60				

Band 66_Ant 0											
Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Made Ch./Freq.	Power High Ch./Freq.	Tune-up Init. (dB)	MFR (dB)				
Channel											
Frequency (MHz)											
CPRSK	1	0	22.68	22.69	22.80			24	0		
CPRSK	1	40	22.67	22.65	22.80						
CPRSK	1	80	22.63	22.66	22.69						
CPRSK	80	0	22.65	22.67	21.60						
CPRSK	80	24	22.68	22.63	21.60			23	1		
CPRSK	80	50	22.00	21.96	21.60						
CPRSK	100	0	22.61	22.65	21.64						
HQDM	1	0	21.74	22.13	21.69						
HQDM	1	40	22.00	22.13	21.70			23	1		
HQDM	1	80	22.02	21.92	21.70						
HQDM	80	0	20.98	20.87	20.71						
HQDM	80	24	20.95	20.85	20.69						
HQDM	80	50	20.81	20.78	20.69			22	2		
HQDM	80	0	20.82	20.81	20.80						
HQDM	1	0	20.97	20.99	20.92						
HQDM	1	40	20.86	21.01	20.70						
HQDM	1	80	20.91	20.85	20.80			21	3		
HQDM	80	0	19.89	19.92	19.70						
HQDM	80	24	19.83	19.88	19.70						
HQDM	80	50	19.89	19.82	19.81						
HQDM	100	0	19.80	19.83	19.68			19	5		
HQDM	1	0	17.88	18.03	17.88						
HQDM	1	40	18.02	18.03	17.87						
HQDM	1	80	18.12	18.11	17.86						
HQDM	80	0	18.03	17.85	17.81			19	5		
HQDM	80	24	18.08	17.88	17.83						
HQDM	80	50	18.03	17.83	17.83						
HQDM	100	0	18.01	17.83	17.81						
Channel											
Frequency (MHz)											
CPRSK	1	0	22.61	22.78	22.74			24	0		
CPRSK	1	37	22.77	22.78	22.68						
CPRSK	1	74	22.74	22.67	22.66						
CPRSK	80	0	21.67	21.73	21.72						
CPRSK	80	20	21.64	21.77	21.68			23	1		
CPRSK	80	38	21.79	21.76	21.63						
CPRSK	75	0	21.62	21.74	21.68						
HQDM	1	0	21.69	22.02	21.69						
HQDM	1	37	22.02	22.02	21.87			23	1		
HQDM	1	74	21.87	21.86	21.69						
HQDM	36	0	20.78	20.77	20.72						
HQDM	36	20	20.90	20.77	20.71						
HQDM	36	38	20.88	20.78	20.70			22	2		
HQDM	75	0	20.84	20.77	20.69						
HQDM	1	0	20.88	20.90	20.80						
HQDM	1	37	20.90	20.88	20.70						
HQDM	1	74	20.70	20.83	20.71			21	3		
HQDM	36	0	19.85	19.79	19.78						
HQDM	36	20	19.88	19.78	19.70						
HQDM	36	38	19.71	19.70	19.67						
HQDM	75	0	19.60	19.78	19.65			19	5		
HQDM	1	0	17.80	17.80	17.70						
HQDM	1	37	17.87	17.95	17.70						
HQDM	1	74	17.99	18.05	17.80						
HQDM	80	0	17.88	17.83	17.81			19	5		
HQDM	80	20	17.85	17.78	17.70						
HQDM	80	38	17.88	17.88	17.78						
HQDM	100	0	17.83	17.83	17.70						
Channel											
Frequency (MHz)											
CPRSK	1	0	22.63	22.67	22.74			24	0		
CPRSK	1	26	22.73	22.80	22.73						
CPRSK	1	49	22.86	22.82	22.63						
CPRSK	25	0	21.70	21.84	21.67						
CPRSK	25	12	21.93	21.89	21.78			23	1		
CPRSK	25	25	21.89	21.84	21.67						
CPRSK	80	0	21.78	21.82	21.67						
HQDM	1	0	21.75	22.07	21.90						
HQDM	1	25	22.10	22.09	21.81			23	1		
HQDM	1	49	22.12	22.04	21.81						
HQDM	25	0	20.69	20.87	20.80						
HQDM	25	12	20.99	20.84	20.78						
HQDM	25	25	20.91	20.80	20.70			22	2		
HQDM	80	0	20.80	20.84	20.77						
HQDM	1	0	20.78	20.87	20.85						
HQDM	1	25	20.87	20.82	20.70						
HQDM	1	49	20.84	20.94	20.82			22	2		
HQDM	25	0	19.63	19.90	19.84						
HQDM	25	12	19.82	19.88	19.80						
HQDM	25	25	19.04	19.91	19.78						
HQDM	80	0	19.66	19.84	19.78			21	3		
HQDM	1	0	17.85	17.85	17.80						
HQDM	1	25	17.04	17.88	17.78						
HQDM	1	49	17.89	18.05	17.80						
HQDM	25	0	17.87	17.80	17.80			19	5		
HQDM	25	12	18.06	17.77	17.78						
HQDM	25	25	17.85	17.77	17.87						
HQDM	80	0	17.83	17.80	17.70						
Channel											
Frequency (MHz)											
CPRSK	1	0	22.73	22.80	22.70			24	0		
CPRSK	1	12	22.86	22.78	22.52						
CPRSK	1	24	22.73	22.78	22.51						
CPRSK	80	0	21.14	21.80	21.68						
CPRSK	80	12	21.82	21.88	21.69			23	1		
CPRSK	12	13	21.68	21.76	21.67						
CPRSK	80	0	21.19	21.83	21.69						
HQDM	1	0	21.65	21.89	21.74						
HQDM	1	13	21.80	22.02	21.61			23	1		
HQDM	1	24	21.73	21.80	21.68						
HQDM	12	0	20.71	20.70	20.60						
HQDM	12	7	20.64	20.62	20.60						
HQDM	12	13	20.35	20.48	20.30			22	2		
HQDM	25	0	20.64	20.67	20.60						
HQDM	1	0	20.66	20.73	20.74						
HQDM	1	13	20.72	20.69	20.48						
HQDM	1	24	20.67	20.55	20.43			21	3		
HQDM	12	0	19.48	19.65	19.60						
HQDM	12	7	19.61	19.55	19.48						
HQDM	12	13	19.30	19.61	19.30						
HQDM	25	0	19.60	19.68	19.45			19	5		
HQDM	1	0	17.89	17.92	17.81						
HQDM	1	12	17.95	17.89	17.71						
HQDM	1	24	17.87	18.00	17.85						
HQDM	12	0	17.87	17.82	17.85			19	5		
HQDM	12	7	17.82	17.83	17.70						
HQDM	12	13	17.80	17.83	17.81						
HQDM	25	0	17.85	17.79	17.80						
Channel											
Frequency (MHz)											
CPRSK	1	0	22.64	22.68	22.74			24	0		
CPRSK	1	6	22.49	22.90	22.74						
CPRSK	1	14	22.66	22.87	22.72						
CPRSK	8	0	21.63	21.83	21.70						
CPRSK	8	4	21.47	21.88	21.78			23	1		
CPRSK	8	7	21.61	21.84	21.66						
CPRSK	16	0	21.48	21.84	21.67						
HQDM	1	0	21.63	22.16	21.69						
HQDM	1	6	21.70	22.24	22.02			23	1		
HQDM	1	14	21.76	22.13	21.89						
HQDM	8	0	20.44	20.89	20.74						
HQDM	8	4	20.64	20.94	20.78						
HQDM	8	7	20.64	20.88	20.67			22	2		
HQDM	16	0	20.53	20.87	20.72						
HQDM	1	0	20.83	21.00	20.74						
HQDM	1	6	20.81	21.06	20.86						
HQDM	1	14	20.74	21.02	20.80			21	3		
HQDM	8	0	19.67	19.95	19.76						
HQDM	8	4	19.63	19.98	19.77						
HQDM	8	7	19.62	19.91	19.70						
HQDM	16	0	17.88	18.04	17.80			19	5		
HQDM	1	0	17.89	17.98	17.77						
HQDM	1	8	17.95	17.87	17.81						
HQDM	1	14	18	18.01	17.84			19	5		
HQDM	1	20	17.88	17.79	17.78						
HQDM	8	0	17.85	17.83	17.71						
HQDM	8	4	17.86	17.83	17.71						
HQDM	8	7	17.85	17.80	17.77						
HQDM	16	0	17.87	17.83	17.75						
Channel											
Frequency (MHz)											
CPRSK	1	0	22.64	22.68	22.74			24	0		
CPRSK	1	6	22.53	22.86	22.83						
CPRSK	1	14	22.62	22.87	22.86						
CPRSK	8	0	22.47	22.87	22.80						
CPRSK	8	4	22.40	22.86	22.68			23	1		
CPRSK	8	7	21.62	21.77	21.62						
CPRSK	16	0	21.56	22.05	21.53						
HQDM	1	0	21.70	22.03	22.06						
HQDM	1	6	21.88	22.01	21.98			23	1		
HQDM	1	14	21.62	21.84	21.67						
HQDM	8	0	20.51	20.86	20.66						
HQDM	8	4	20.57	20.72	20.62						
HQDM	8	7	20.51	20.70	20.59			22	2		
HQDM	16	0	20.32	20.53	20.71						
HQDM	1	0	20.30	20.50	20.72						
HQDM	8	0	19.45	19.42	19.94						
HQDM	8	4	17.87	17.93	17.94			21	3		
HQDM	8	7	17.90	17.95	17.74						
HQDM	1	0	17.97	18.01	17.81						
HQDM	1	6	17.97	17.98	17.79						
HQDM	1	14	17.93	17.77	17.73			19	5		
HQDM	1	20	17.83	17.79	17.70						
HQDM	8	0	17.93	17.77	17.73						
HQDM	8	4	17.94	17.74	17.69						

Band 38_Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Time-up limit (min)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.06	23.20	23.15	24	0						
20	QPSK	1	49	23.15	23.12	23.01								
20	QPSK	1	99	23.17	23.19	23.00								
20	QPSK	50	0	22.22	22.23	22.18								
20	QPSK	50	24	22.23	22.18	22.10	23	1						
20	QPSK	100	0	22.04	22.05	22.02								
20	16QAM	1	0	22.20	22.20	22.17								
20	16QAM	1	49	22.29	22.28	22.17								
20	16QAM	1	99	22.30	22.33	22.24	23	1						
20	16QAM	50	0	20.85	20.92	20.89								
20	16QAM	50	24	20.86	21.05	21.05								
20	16QAM	50	50	21.05	21.05	20.96								
20	64QAM	1	0	20.80	20.81	20.83	22	2						
20	64QAM	1	49	20.71	20.69	20.73								
20	64QAM	1	99	20.92	20.87	20.73								
20	64QAM	50	0	19.92	19.97	19.88								
20	64QAM	50	24	20.10	20.00	20.02	21	3						
20	64QAM	50	50	20.12	20.18	20.01								
20	256QAM	1	0	17.87	17.89	17.87								
20	256QAM	1	49	17.89	18.04	17.90								
20	256QAM	50	0	18.05	18.13	18.05	19	5						
20	256QAM	50	24	18.08	18.19	18.12								
20	256QAM	50	50	18.10	18.20	18.06								
20	256QAM	100	0	17.88	18.12	17.97								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.85	22.81	22.91	24	0						
15	QPSK	1	49	22.93	22.93	22.84								
15	QPSK	1	74	23.04	23.14	22.80								
15	QPSK	36	0	21.86	22.00	21.98								
15	QPSK	36	36	22.13	22.08	22.08	23	1						
15	QPSK	36	36	21.94	22.09	22.02								
15	QPSK	75	0	22.03	22.04	21.97								
15	16QAM	1	0	22.05	22.12	22.13								
15	16QAM	1	37	22.02	22.13	22.14	23	1						
15	16QAM	36	0	22.26	22.26	22.14								
15	16QAM	36	0	20.85	20.97	20.94								
15	16QAM	36	20	21.06	21.00	21.07								
15	16QAM	36	36	21.17	21.08	21.08	22	2						
15	16QAM	75	0	21.03	21.16	20.90								
15	64QAM	1	0	20.48	20.64	20.48								
15	64QAM	1	74	20.78	20.88	20.74								
15	64QAM	36	0	19.81	19.93	19.79	22	2						
15	64QAM	36	36	19.90	19.99	19.96								
15	64QAM	36	36	19.95	19.95	19.81								
15	256QAM	1	0	17.85	17.90	17.85								
15	256QAM	1	37	17.78	17.83	17.82	19	5						
15	256QAM	36	0	17.97	18.06	18.00								
15	256QAM	36	20	17.85	18.05	18.05								
15	256QAM	75	0	17.85	18.05	18.05								
15	256QAM	75	0	17.82	18.05	17.82	19	5						
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.00	23.12	22.86					24	0		
10	QPSK	1	25	22.86	23.11	23.11								
10	QPSK	1	49	23.00	23.10	22.90								
10	QPSK	25	0	21.96	21.07	21.86								
10	QPSK	25	24	21.96	21.07	21.86	23	1						
10	QPSK	25	25	21.91	22.04	21.88								
10	QPSK	50	0	22.07	22.09	21.91								
10	16QAM	1	0	22.05	22.22	22.16								
10	16QAM	1	25	21.68	22.11	21.73	23	1						
10	16QAM	1	49	22.06	22.18	21.98								
10	16QAM	25	0	21.02	21.08	20.88								
10	16QAM	25	12	21.13	21.07	21.11								
10	16QAM	25	25	21.10	21.06	21.01	22	2						
10	16QAM	50	0	21.05	21.11	20.94								
10	64QAM	1	0	20.46	20.68	20.48								
10	64QAM	1	25	20.67	20.80	20.61								
10	64QAM	1	49	20.74	20.90	20.77	22	2						
10	64QAM	25	0	19.75	19.92	19.74								
10	64QAM	25	12	19.98	20.04	19.96								
10	64QAM	25	25	19.92	20.08	19.90								
10	64QAM	50	0	20.00	20.02	20.01	21	3						
10	256QAM	1	0	17.80	17.84	17.74								
10	256QAM	1	25	17.76	17.99	17.76								
10	256QAM	1	49	17.85	17.95	17.77								
10	256QAM	25	0	17.90	18.08	17.95	19	5						
10	256QAM	25	12	18.00	18.03	17.99								
10	256QAM	25	25	17.99	18.04	18.01								
10	256QAM	50	0	17.90	18.00	17.83								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.76	22.97	22.91	24	0						
5	QPSK	1	12	22.83	22.99	23.06								
5	QPSK	1	24	22.70	22.91	22.74								
5	QPSK	12	0	21.96	22.01	21.84								
5	QPSK	12	7	21.98	22.02	22.03	23	1						
5	QPSK	12	13	22.04	22.15	21.90								
5	QPSK	25	0	21.96	22.00	22.00								
5	16QAM	1	0	21.97	22.17	22.00								
5	16QAM	1	12	21.84	22.10	22.09	23	1						
5	16QAM	1	24	22.11	22.19	22.15								
5	16QAM	12	0	20.97	20.85	21.00								
5	16QAM	12	12	21.02	21.10	20.92								
5	16QAM	12	13	20.98	21.12	21.00	22	2						
5	16QAM	25	0	20.96	21.13	21.06								
5	64QAM	1	0	20.41	20.64	20.45								
5	64QAM	1	12	20.63	20.80	20.63								
5	64QAM	1	24	20.74	20.79	20.66	21	3						
5	64QAM	12	0	19.79	19.92	19.76								
5	64QAM	12	7	19.87	19.98	19.81								
5	64QAM	12	13	19.88	20.00	19.83								
5	64QAM	25	0	19.92	19.99	19.93	19	5						
5	256QAM	1	0	17.72	17.83	17.79								
5	256QAM	1	12	17.73	17.94	17.81								
5	256QAM	1	24	17.83	17.84	17.79								
5	256QAM	12	0	17.91	18.08	18.02	19	5						
5	256QAM	12	7	17.93	18.08	18.02								
5	256QAM	12	13	18.01	18.11	17.91								
5	256QAM	25	0	17.88	18.00	17.81								

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Band 38 HPUE_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mode Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MFR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	20.35	20.45	20.45	22.1	0			
20	QPSK	1	80	20.45	20.45	20.37					
20	QPSK	1	96	20.45	20.29	20.33	22.1	0			
20	QPSK	50	0	20.16	20.45	20.39					
20	QPSK	50	24	20.27	20.34	20.25					
20	QPSK	50	50	20.44	20.20	20.23					
20	QPSK	100	0	20.28	20.40	20.35	22.1	0			
20	HQAM	1	0	20.33	20.30	20.31					
20	HQAM	1	48	20.41	20.27	20.27					
20	HQAM	1	96	20.21	20.30	20.30					
20	HQAM	50	0	20.28	20.24	20.35	22.1	0			
20	HQAM	50	24	20.30	20.31	20.17					
20	HQAM	50	50	20.22	20.30	20.24					
20	HQAM	100	0	20.25	20.20	20.27					
20	QPSK	1	0	20.43	20.17	20.20	22.1	0			
20	QPSK	1	80	20.23	20.35	20.24					
20	HQAM	1	96	20.37	20.30	20.23					
20	HQAM	50	24	20.27	20.41	20.20					
20	HQAM	50	50	20.29	20.19	20.22	22.1	0			
20	HQAM	100	0	20.42	20.26	20.18					
20	ZSSBAM	1	0	18.57	18.57	18.53					
20	ZSSBAM	1	48	18.55	18.53	18.57					
20	ZSSBAM	1	96	18.51	18.47	18.55	20.5	1.6			
20	ZSSBAM	50	0	18.55	18.53	18.54					
20	ZSSBAM	50	24	18.50	18.53	18.51					
20	ZSSBAM	50	50	18.57	18.58	18.58					
20	ZSSBAM	100	0	18.52	18.56	18.51	20.5	1.6			
Channel				37760	38000	38200	Turn-up time (min)	MFR (dB)			
Frequency (MHz)				37760	38000	38200	Turn-up time (min)	MFR (dB)			
15	QPSK	1	0	20.38	20.44	20.47	22.1	0			
15	QPSK	1	80	20.45	20.45	20.37					
15	QPSK	1	74	20.44	20.31	20.28	22.1	0			
15	QPSK	36	0	20.10	20.39	20.30					
15	QPSK	36	36	20.32	20.35	20.34					
15	QPSK	36	96	20.38	20.19	20.28					
15	QPSK	75	0	20.28	20.40	20.29	22.1	0			
15	HQAM	1	0	20.34	20.31	20.36					
15	HQAM	1	37	20.38	20.23	20.31					
15	HQAM	1	74	20.28	20.32	20.30					
15	HQAM	36	0	20.29	20.21	20.40	22.1	0			
15	HQAM	36	36	20.31	20.38	20.17					
15	HQAM	36	74	20.31	20.30	20.18					
15	HQAM	36	108	20.32	20.40	20.31					
15	HQAM	75	0	20.37	20.15	20.15	22.1	0			
15	HQAM	75	0	20.21	20.31	20.21					
15	HQAM	1	0	20.38	20.15	20.25					
15	HQAM	1	37	20.41	20.33	20.28					
15	HQAM	1	74	20.41	20.30	20.18	22.1	0			
15	HQAM	36	0	20.37	20.15	20.15					
15	HQAM	36	36	20.32	20.40	20.31					
15	HQAM	36	96	20.24	20.14	20.21					
15	ZSSBAM	1	0	18.52	18.53	18.52	20.5	1.6			
15	ZSSBAM	1	37	18.55	18.49	18.51					
15	ZSSBAM	1	74	18.54	18.52	18.54					
15	ZSSBAM	36	0	18.54	18.51	18.52					
15	ZSSBAM	36	36	18.54	18.52	18.51	20.5	1.6			
15	ZSSBAM	36	74	18.51	18.44	18.51					
15	ZSSBAM	75	0	18.55	18.52	18.53					
15	ZSSBAM	75	0	18.55	18.52	18.53					
Channel				37860	38000	38200	Turn-up time (min)	MFR (dB)			
Frequency (MHz)				37860	38000	38200	Turn-up time (min)	MFR (dB)			
10	QPSK	1	0	20.35	20.42	20.45	22.1	0			
10	QPSK	1	24	20.43	20.45	20.38					
10	QPSK	1	48	20.45	20.39	20.31	22.1	0			
10	QPSK	25	0	20.18	20.41	20.40					
10	QPSK	25	12	20.22	20.35	20.29					
10	QPSK	25	25	20.43	20.21	20.17					
10	QPSK	50	0	20.22	20.41	20.38	22.1	0			
10	HQAM	1	0	20.29	20.33	20.32					
10	HQAM	1	24	20.43	20.21	20.31					
10	HQAM	1	48	20.24	20.37	20.33					
10	HQAM	25	0	20.22	20.20	20.37	22.1	0			
10	HQAM	25	12	20.32	20.29	20.21					
10	HQAM	25	25	20.19	20.30	20.20					
10	HQAM	50	0	20.25	20.39	20.28					
10	HQAM	1	0	20.45	20.18	20.16	22.1	0			
10	HQAM	1	24	20.28	20.32	20.23					
10	HQAM	1	48	20.29	20.27	20.28					
10	HQAM	1	96	20.37	20.30	20.25					
10	HQAM	25	0	20.34	20.17	20.22	22.1	0			
10	HQAM	25	12	20.29	20.27	20.28					
10	HQAM	25	25	20.33	20.10	20.17					
10	HQAM	50	0	20.47	20.22	20.16					
10	ZSSBAM	1	0	18.57	18.53	18.50	20.5	1.6			
10	ZSSBAM	1	24	18.51	18.52	18.58					
10	ZSSBAM	25	12	18.51	18.59	18.51					
10	ZSSBAM	25	25	18.53	18.54	18.58					
10	ZSSBAM	50	0	18.51	18.55	18.52	20.5	1.6			
Channel				37790	38000	38200	Turn-up time (min)	MFR (dB)			
Frequency (MHz)				37790	38000	38200	Turn-up time (min)	MFR (dB)			
5	QPSK	1	0	20.40	20.42	20.41	22.1	0			
5	QPSK	1	12	20.43	20.39	20.39					
5	QPSK	1	24	20.45	20.20	20.35	22.1	0			
5	QPSK	12	0	20.17	20.42	20.33					
5	QPSK	12	7	20.26	20.39	20.29					
5	QPSK	12	13	20.46	20.20	20.22					
5	QPSK	25	0	20.28	20.42	20.38	22.1	0			
5	HQAM	1	0	20.38	20.24	20.31					
5	HQAM	1	12	20.42	20.21	20.28					
5	HQAM	1	24	20.17	20.39	20.29					
5	HQAM	12	0	20.22	20.29	20.39	22.1	0			
5	HQAM	12	7	20.33	20.30	20.22					
5	HQAM	12	13	20.17	20.28	20.28					
5	HQAM	25	0	20.23	20.27	20.21					
5	HQAM	1	0	20.39	20.19	20.17	22.1	0			
5	HQAM	1	12	20.18	20.32	20.28					
5	HQAM	1	24	20.22	20.31	20.27					
5	HQAM	25	0	20.32	20.17	20.22					
5	HQAM	1	0	20.40	20.24	20.24	22.1	0			
5	HQAM	1	12	20.23	20.14	20.23					
5	HQAM	1	24	20.37	20.29	20.16					
5	HQAM	25	0	18.53	18.53	18.53					
5	ZSSBAM	1	0	18.51	18.51	18.57	20.5	1.6			
5	ZSSBAM	1	24	18.55	18.63	18.54					
5	ZSSBAM	1	48	18.53	18.52	18.52					
5	ZSSBAM	12	7	18.53	18.68	18.59					
5	ZSSBAM	12	13	18.60	18.64	18.59	20.5	1.6			
5	ZSSBAM	25	12	18.53	18.61	18.54					
5	ZSSBAM	25	25	18.53	18.63	18.53					
5	ZSSBAM	50	0	18.53	18.58	18.53					



Band 41 HPUE_Ant 0																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Time-up limit (min)	MPR (dB)						
Channel																
Frequency (MHz)																
20	QPSK	1	0	25.66	25.56	25.60	25.56	25.52	27	0						
20	QPSK	1	40	25.61	25.47	25.58	25.45	25.58								
20	QPSK	1	80	25.54	25.53	25.53	25.55	25.58								
20	QPSK	50	0	24.70	24.65	24.61	24.77	24.71								
20	QPSK	50	24	24.71	24.63	24.60	24.80	24.73								
20	QPSK	50	50	24.72	24.60	24.79	24.78	24.68	26	1						
20	QPSK	100	0	24.77	24.58	24.78	24.78	24.68								
20	15QAM	1	0	24.94	24.96	24.96	24.94	25.00								
20	15QAM	1	40	24.91	24.93	24.90	24.89	24.94								
20	15QAM	1	80	24.92	24.90	24.89	24.90	24.94								
20	15QAM	50	0	23.81	23.89	23.74	23.79	23.89	25	2						
20	15QAM	50	24	23.84	23.81	23.84	23.85	23.86								
20	15QAM	50	50	23.82	23.81	23.84	23.80	23.86								
20	15QAM	100	0	23.94	23.90	23.92	23.85	23.96								
20	15QAM	1	0	23.96	23.75	23.88	23.76	23.81								
20	15QAM	1	40	23.73	23.78	23.80	23.74	23.89	25	2						
20	15QAM	1	80	23.76	23.70	23.80	23.74	23.89								
20	15QAM	50	0	22.81	22.87	22.75	22.76	22.88								
20	15QAM	50	24	22.84	22.82	22.85	22.80	22.86								
20	15QAM	50	50	22.80	22.85	22.84	22.80	22.80								
20	15QAM	100	0	22.84	22.81	22.85	22.81	22.86	22	5						
20	25QAM	1	0	20.36	20.37	20.40	20.72	20.76								
20	25QAM	1	40	20.33	20.22	20.48	20.63	20.67								
20	25QAM	1	80	20.38	20.10	20.47	20.17	20.68								
20	25QAM	50	0	20.04	20.42	20.54	20.66	20.79								
20	25QAM	50	24	20.58	20.43	20.61	20.73	20.77	22	5						
20	25QAM	50	50	20.53	20.30	20.58	20.66	20.60								
20	25QAM	100	0	20.48	20.37	20.53	20.72	20.69								
Channel																
Frequency (MHz)																
15	QPSK	1	0	25.52	25.47	25.50	25.43	25.41	27.00	0						
15	QPSK	1	40	25.54	25.48	25.51	25.45	25.53								
15	QPSK	1	80	25.53	25.58	25.52	25.55	25.52								
15	QPSK	36	0	24.71	24.78	24.73	24.59	24.62								
15	QPSK	36	36	24.70	24.73	24.70	24.87	24.59								
15	QPSK	36	72	24.76	24.73	24.70	24.87	24.59	26	1						
15	QPSK	75	0	24.73	24.69	24.76	24.82	24.68								
15	15QAM	1	0	24.60	24.60	24.67	24.80	24.67								
15	15QAM	1	37	24.60	24.61	24.66	24.65	24.68								
15	15QAM	1	74	24.69	24.68	24.61	24.61	24.61								
15	15QAM	36	0	23.71	23.78	23.69	23.58	23.61	25	2						
15	15QAM	36	36	23.62	23.69	23.75	23.61	23.65								
15	15QAM	36	72	23.68	23.66	23.62	23.66	23.64								
15	15QAM	75	0	23.80	23.74	23.67	23.66	23.74								
15	15QAM	1	0	23.61	23.65	23.65	23.65	23.61								
15	15QAM	1	40	23.27	23.27	23.16	23.15	23.20	24	3						
15	15QAM	1	80	23.68	23.68	23.76	23.58	23.56								
15	15QAM	36	0	22.19	22.81	22.73	22.60	22.67								
15	15QAM	36	36	22.21	22.72	22.78	22.70	22.79								
15	15QAM	36	72	22.86	22.79	22.71	22.64	22.61								
15	25QAM	1	0	22.86	22.74	22.87	22.70	22.86	22	5						
15	25QAM	1	40	20.27	20.25	20.38	20.58	20.64								
15	25QAM	1	80	20.17	20.14	20.41	20.49	20.62								
15	25QAM	36	0	20.05	20.25	20.40	20.50	20.57								
15	25QAM	36	36	20.40	20.30	20.51	20.62	20.67								
15	25QAM	36	72	20.76	20.65	20.86	20.98	20.98	22	5						
15	25QAM	75	0	20.34	20.25	20.38	20.50	20.61								
Channel																
Frequency (MHz)																
10	QPSK	1	0	25.52	25.58	25.58	25.53	25.46	27.00	0						
10	QPSK	1	25	25.53	25.53	25.53	25.44	25.51								
10	QPSK	1	40	25.54	25.55	25.55	25.51	25.53								
10	QPSK	25	0	24.76	24.63	24.61	24.55	24.66								
10	QPSK	25	12	24.68	24.64	24.60	24.66	24.66								
10	QPSK	25	25	24.61	24.68	24.68	24.60	24.66	26	1						
10	QPSK	50	0	24.63	24.63	24.64	24.70	24.66								
10	15QAM	1	0	25.13	25.15	25.15	25.10	24.92								
10	15QAM	1	25	24.90	24.98	25.04	24.78	24.82								
10	15QAM	1	40	24.67	25.04	24.96	24.77	24.76								
10	15QAM	25	0	23.81	23.75	23.70	23.74	23.83	25	2						
10	15QAM	25	12	23.94	23.85	23.98	23.88	23.95								
10	15QAM	25	25	23.86	23.82	24.04	23.90	23.84								
10	15QAM	50	0	23.67	23.68	24.09	23.73	23.83								
10	15QAM	1	0	23.86	23.91	23.95	23.99	23.88								
10	15QAM	1	25	23.59	23.62	24.03	23.65	23.69	25	2						
10	15QAM	1	40	23.80	23.83	23.83	23.83	23.80								
10	15QAM	25	0	22.67	22.91	22.86	22.15	22.61								
10	15QAM	25	12	22.92	22.97	23.16	22.16	22.93								
10	15QAM	25	25	22.90	22.96	23.12	22.23	22.92								
10	25QAM	1	0	20.26	20.20	20.36	20.60	20.66	22	5						
10	25QAM	1	25	20.16	20.09	20.30	20.51	20.52								
10	25QAM	1	40	20.33	20.13	20.38	20.43	20.66								
10	25QAM	25	0	20.43	20.30	20.41	20.61	20.69								
10	25QAM	25	12	20.48	20.30	20.53	20.57	20.68								
10	25QAM	25	25	20.57	20.25	20.51	20.54	20.64	22	5						
10	25QAM	50	0	20.33	20.23	20.48	20.61	20.58								
Channel																
Frequency (MHz)																
5	QPSK	1	0	25.54	25.50	25.50	25.43	25.40	27.00	0						
5	QPSK	1	12	25.50	25.56	25.51	25.55	25.43								
5	QPSK	1	24	25.48	25.53	25.50	25.50	25.56								
5	QPSK	12	0	24.66	24.84	24.79	24.71	24.63								
5	QPSK	12	7	24.65	24.93	24.90	24.82	24.77								
5	QPSK	12	15	24.62	24.83	24.83	24.76	24.73	26	1						
5	QPSK	25	0	24.82	24.70	24.79	24.70	24.75								
5	15QAM	1	0	24.86	24.83	24.87	24.86	24.87	25	2						
5	15QAM	1	12	24.94	24.88	25.09	24.90	24.84								
5	15QAM	1	24	25.02	24.93	24.95	25.16	24.81								
5	15QAM	12	0	23.88	23.79	23.79	23.86	23.77								
5	15QAM	12	7	23.96	23.86	23.83	23.68	23.83								
5	15QAM	12	15	23.94	23.86	23.86	23.80	23.80	22	5						
5	15QAM	25	0	23.89	23.87	23.84	23.86	23.74								
5	15QAM	25	12	23.96	23.79	23.89	23.57	23.88								
5	15QAM	25	25	23.89	23.82	24.03	23.88	23.86								
5	15QAM	50	0	24	23.31	23.84	23.97	23.92								
5	15QAM	12	0	22.26	22.93	22.87	22.83	22.84	24	3						
5	15QAM	12	7	22.34	22.92	22.92	22.86	22.85								
5	15QAM	12	15	23.31	23.89	22.88	22.86	22.82								
5	25QAM	1	0	20.37	20.29	20.37	20.66	20.62								
5	25QAM	1	25	20.27	20.22	20.39	20.59	20.62								
5	25QAM	1	40	20.37	20.16	20.39	20.49	20.61	22	5						
5	25QAM	1	80	20.38	20.18	20.41	20.41	20.61								
5	25QAM	12	0	20.36	20.38	20.42	20.57	20.63								
5	25QAM	12	7	20.40	20.37	20.54	20.63	20.63								
5	25QAM	12	15	20.38	20.38	20.42	20.60	20.74								
5	25QAM	25	0	20.36	20.23	20.38	20.59	20.54	22	5						



Reduced Power for DSI 2-Simultaneous

Channel_Ant 6 Tx Channel	Base Average Power (dBm)			Turn-up Limit (dBm)	Frame Average Power (dBm)			Turn-up Limit (dBm)
	100	100	201		100	100	201	
Frequency (MHz)	57.4	57.4	57.4	(dBm)	57.4	57.4	57.4	(dBm)
DSM 1 Tx limit	32.32	31.92	32.32	33.60	33.29	22.33	33.39	34.60
OPRS 1 Tx limit	32.12	31.92	32.38	33.60	33.13	22.92	33.38	34.60
OPRS 2 Tx limit	30.31	29.96	30.38	31.60	34.31	21.95	34.38	35.60
OPRS 3 Tx limit	29.43	29.31	29.99	29.30	34.17	24.25	34.13	35.34
OPRS 4 Tx limit	28.81	28.84	28.75	29.60	23.81	23.84	23.75	25.50
EDGE 1 Tx limit	24.69	24.61	24.69	27.00	17.02	18.61	18.59	19.60
EDGE 2 Tx limit	24.61	24.22	24.79	26.00	18.91	18.72	18.79	20.00
EDGE 3 Tx limit	23.50	23.29	23.58	24.60	18.39	18.73	18.12	20.34
EDGE 4 Tx limit	21.88	21.61	21.88	23.00	18.60	18.61	18.68	20.90

Channel_Ant 5 Tx Channel	Base Average Power (dBm)			Turn-up Limit (dBm)	Frame Average Power (dBm)			Turn-up Limit (dBm)
	100	100	201		100	100	201	
Frequency (MHz)	589.2	589.2	589.2	(dBm)	589.2	589.2	589.2	(dBm)
DSM 1 Tx limit	29.86	29.41	29.83	30.90	30.66	20.41	30.63	31.60
OPRS 1 Tx limit	29.69	29.42	29.69	30.90	31.68	20.66	31.68	31.96
OPRS 2 Tx limit	27.88	27.47	27.85	28.90	31.85	21.47	31.85	22.90
OPRS 3 Tx limit	26.76	26.62	26.74	27.60	21.93	21.61	21.48	22.74
OPRS 4 Tx limit	24.45	24.76	24.43	26.00	21.52	21.56	21.53	23.00
EDGE 1 Tx limit	20.75	20.60	20.72	27.60	17.16	18.90	17.12	18.90
EDGE 2 Tx limit	20.71	19.42	20.92	26.20	18.11	18.92	18.06	19.36
EDGE 3 Tx limit	20.66	20.74	20.61	24.60	18.80	18.46	18.75	20.34
EDGE 4 Tx limit	20.12	21.40	21.04	23.60	18.12	18.61	18.34	20.90

DSM Tx Channel	WCDMA_R_Ant 6			Turn-up Limit (dBm)	WCDMA_V_Ant 5			Turn-up Limit (dBm)	WCDMA_V_Ant 6			Turn-up Limit (dBm)	
	9892	9892	9892		1912	1912	1912		4132	4132	4132		
Frequency (MHz)	9892.4	9892	9892.4	(dBm)	1912.4	1912.6	1912.4	(dBm)	4132.4	4132	4132.4	(dBm)	
SCPP-Rule0	ASAP 12 30ms	23.28	23.49	23.30	24.00	23.17	23.40	23.38	24.60	23.64	23.11	23.61	24.60
SCPP-Rule1	PRMC 12 30ms	23.29	23.02	23.22	24.00	23.19	23.42	23.41	24.60	23.65	23.12	23.62	24.60
SCPP-Rule2	HSRPA Subnet 0	22.25	22.19	22.25	23.00	22.22	22.46	22.28	23.00	21.99	22.61	21.95	23.00
SCPP-Rule3	HSRPA Subnet 1	22.27	22.07	22.24	23.00	22.23	22.09	22.07	23.00	21.98	22.61	21.67	23.00
SCPP-Rule4	HSRPA Subnet 2	21.80	22.05	21.71	22.00	21.72	22.03	22.06	22.00	21.90	21.46	21.48	22.00
SCPP-Rule5	HSRPA Subnet 3	21.83	22.01	21.74	22.00	21.72	21.95	22.08	22.00	21.43	21.55	21.47	22.00
SCPP-Rule6	DC-HSRPA Subnet 0	22.51	22.60	22.41	23.00	22.22	22.35	22.57	23.00	21.99	21.69	21.88	23.00
SCPP-Rule7	DC-HSRPA Subnet 1	22.08	22.65	22.66	23.00	22.23	22.23	22.55	23.00	21.98	21.68	21.94	23.00
SCPP-Rule8	DC-HSRPA Subnet 2	22.03	22.15	22.07	22.60	21.72	22.00	21.91	22.60	21.90	21.55	21.44	22.60
SCPP-Rule9	DC-HSRPA Subnet 3	22.08	22.19	22.05	22.30	21.72	21.89	22.01	22.30	21.43	21.31	21.41	22.30
SCPP-Rule0	HSRPA Subnet 0	22.27	22.03	22.26	23.00	22.17	22.44	22.66	23.00	21.95	22.04	21.90	23.00
SCPP-Rule1	HSRPA Subnet 1	22.30	22.01	22.27	21.00	22.19	22.44	22.69	21.00	19.92	20.00	19.97	21.00
SCPP-Rule2	HSRPA Subnet 2	21.30	21.52	21.21	22.00	21.23	21.43	21.68	22.00	20.95	21.00	20.93	22.00
SCPP-Rule3	HSRPA Subnet 3	20.28	20.48	20.34	21.00	20.19	20.41	20.59	21.00	19.97	19.99	19.95	21.00
SCPP-Rule4	HSRPA Subnet 4	20.35	20.61	20.28	23.00	20.15	20.45	20.65	23.00	21.92	22.02	21.90	23.00





Band 5_Ant 0										
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Max Ch / Freq	Power Min Ch / Freq	Power Max Ch / Freq	Turn-up Time (sec)	MFR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.48	22.56	22.53	24	0		
15	QPSK	1	25	22.43	22.49	22.47				
15	QPSK	1	49	22.40	22.31	22.43				
15	QPSK	25	0	21.48	21.63	21.62				
15	QPSK	25	12	21.48	21.60	21.63	23	1		
15	QPSK	25	25	21.49	21.54	21.48				
15	QPSK	50	0	21.47	21.60	21.52				
15	QPSK	50	12	21.51	21.75	21.65				
15	16QAM	1	25	22.11	21.77	21.84	23	1		
15	16QAM	1	49	21.83	21.56	21.66				
15	16QAM	25	0	20.44	20.58	20.48				
15	16QAM	25	12	20.51	20.51	20.52				
15	16QAM	25	25	20.49	20.66	20.60	22	2		
15	16QAM	50	0	20.50	20.53	20.59				
15	16QAM	50	12	20.59	20.59	20.64				
15	16QAM	1	26	20.57	20.58	20.52				
15	16QAM	1	49	19.79	19.32	19.28	22	2		
15	16QAM	25	0	19.32	19.49	19.40				
15	16QAM	25	12	19.50	19.55	19.54				
15	16QAM	25	25	19.48	19.59	19.40				
15	16QAM	50	0	19.57	19.59	19.37	19	5		
15	16QAM	50	12	17.86	17.96	17.86				
15	256QAM	1	49	17.87	17.86	17.94				
15	256QAM	25	0	17.86	17.86	17.78				
15	256QAM	25	12	17.90	17.89	18.01	19	5		
15	256QAM	25	25	17.88	17.82	17.91				
15	256QAM	50	0	17.91	17.80	17.82				
Channel										
Frequency (MHz)				55.5	55.5	55.5		MFR		
5	QPSK	1	0	22.41	22.33	22.37	24	0		
5	QPSK	1	12	22.20	22.40	22.29				
5	QPSK	1	49	22.29	22.34	22.45				
5	QPSK	12	0	21.51	21.41	21.48				
5	QPSK	12	7	21.38	21.63	21.65	23	1		
5	QPSK	12	19	21.38	21.61	21.68				
5	QPSK	25	0	21.43	21.46	21.49				
5	QPSK	25	12	21.70	21.80	21.81				
5	16QAM	1	0	21.70	22.09	21.89	23	1		
5	16QAM	1	24	21.60	21.60	21.61				
5	16QAM	12	0	20.48	20.58	20.47				
5	16QAM	12	7	20.58	20.54	20.48				
5	16QAM	12	19	20.56	20.56	20.48	22	2		
5	16QAM	25	0	20.39	20.42	20.43				
5	16QAM	25	12	21.25	21.42	21.68				
5	16QAM	25	25	21.45	21.50	21.48				
5	16QAM	1	24	21.57	21.57	21.55	21	3		
5	16QAM	12	0	20.27	20.22	20.38				
5	16QAM	12	19	20.59	20.59	20.59				
5	16QAM	12	19	20.36	20.40	20.52				
5	16QAM	25	0	20.26	20.38	20.42	19	5		
5	16QAM	25	12	17.75	17.85	17.79				
5	256QAM	1	12	17.75	17.89	17.81				
5	256QAM	1	24	17.80	17.87	17.81				
5	256QAM	12	0	17.82	17.86	17.83	19	5		
5	256QAM	12	7	17.78	17.79	17.94				
5	256QAM	12	19	17.83	17.79	17.81				
5	256QAM	25	12	17.82	17.85	17.75				
Channel										
Frequency (MHz)				55.5	55.5	55.5		MFR		
3	QPSK	1	0	22.33	22.38	22.37	24	0		
3	QPSK	1	14	22.25	22.46	22.31				
3	QPSK	1	49	22.27	22.47	22.24				
3	QPSK	8	0	21.30	21.29	21.43				
3	QPSK	8	7	21.38	21.43	21.31	23	1		
3	QPSK	16	0	21.39	21.20	21.44				
3	QPSK	16	7	21.86	21.60	21.62				
3	QPSK	16	14	21.87	21.44	21.34				
3	16QAM	1	14	21.56	21.47	21.52	23	1		
3	16QAM	1	8	20.47	20.41	20.51				
3	16QAM	8	0	20.48	20.65	20.54				
3	16QAM	8	7	20.46	20.57	20.36				
3	16QAM	15	0	20.30	20.40	20.43	22	2		
3	16QAM	15	0	20.30	20.40	20.43				
3	16QAM	1	0	20.76	20.30	20.76				
3	16QAM	1	14	20.78	20.51	20.56				
3	16QAM	8	0	19.87	19.61	19.43	21	3		
3	16QAM	8	7	19.45	19.46	19.36				
3	16QAM	15	0	19.23	19.43	19.39				
3	256QAM	1	0	17.75	17.83	17.79				
3	256QAM	1	8	17.77	17.80	17.79	19	5		
3	256QAM	1	14	17.81	17.83	17.84				
3	256QAM	8	0	17.80	17.79	17.84				
3	256QAM	8	4	17.84	17.77	17.86				
3	256QAM	8	7	17.83	17.86	17.76	19	5		
3	256QAM	15	0	17.82	17.85	17.87				
Channel										
Frequency (MHz)				55.5	55.5	55.5		MFR		
1.4	QPSK	1	0	22.26	22.31	22.30	24	0		
1.4	QPSK	1	3	22.08	22.34	22.23				
1.4	QPSK	1	24	22.07	22.33	22.15				
1.4	QPSK	3	0	22.34	22.34	22.43				
1.4	QPSK	3	3	22.36	22.49	22.42	23	0		
1.4	QPSK	3	24	22.37	22.35	22.32				
1.4	QPSK	6	0	21.42	21.27	21.44				
1.4	16QAM	1	0	21.52	21.67	21.76				
1.4	16QAM	1	24	21.54	21.64	21.70	23	1		
1.4	16QAM	1	6	21.51	21.53	21.53				
1.4	16QAM	3	0	21.68	21.49	21.53				
1.4	16QAM	3	24	21.68	21.44	21.48				
1.4	16QAM	3	3	21.29	21.27	21.47	23	0		
1.4	16QAM	6	0	20.47	20.36	20.50				
1.4	16QAM	6	24	20.39	20.37	21.07				
1.4	16QAM	1	0	20.50	20.50	20.50				
1.4	16QAM	1	6	20.85	20.50	20.71	22	2		
1.4	16QAM	3	0	20.34	20.34	20.34				
1.4	16QAM	3	6	20.27	20.23	20.63				
1.4	16QAM	3	3	20.13	20.27	20.52				
1.4	16QAM	3	0	19.44	19.35	19.47	21	3		
1.4	16QAM	3	0	17.73	17.81	17.78				
1.4	16QAM	3	3	17.76	17.66	17.80				
1.4	16QAM	3	24	17.86	17.79	17.84				
1.4	16QAM	3	3	17.85	17.86	17.86	19	5		
1.4	256QAM	1	3	17.84	17.73	17.88				
1.4	256QAM	3	0	17.79	17.78	17.82				
1.4	256QAM	3	0	17.85	17.85	17.71				



Band 13_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Meds Ch./Freq.	Power High Ch./Freq.	Turn-up Int. (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.60	22.60	22.60	24	0		
10	QPSK	1	25	22.64	22.64	22.64				
10	QPSK	1	49	22.58	22.58	22.58				
10	QPSK	25	0	21.68	21.68	21.68	23	1		
10	QPSK	25	12	21.60	21.60	21.60				
10	QPSK	25	25	21.60	21.60	21.60				
10	QPSK	50	0	21.73	21.73	21.73				
10	HQAM	1	0	22.60	22.60	22.60	23	1		
10	HQAM	1	25	22.64	22.64	22.64				
10	HQAM	1	49	21.62	21.62	21.62				
10	HQAM	25	0	20.52	20.52	20.52	22	2		
10	HQAM	25	12	20.57	20.57	20.57				
10	HQAM	25	25	20.62	20.62	20.62				
10	HQAM	50	0	20.57	20.57	20.57				
10	HQAM	1	0	20.61	20.61	20.61	22	2		
10	HQAM	1	25	20.52	20.52	20.52				
10	HQAM	1	49	20.59	20.59	20.59				
10	HQAM	25	0	19.65	19.65	19.65	21	3		
10	HQAM	25	12	19.64	19.64	19.64				
10	HQAM	25	25	19.56	19.56	19.56				
10	HQAM	50	0	19.56	19.56	19.56	19	5		
10	SSQAM	1	0	18.04	18.04	18.04				
10	SSQAM	1	25	18.05	18.05	18.05				
10	SSQAM	1	49	18.11	18.11	18.11				
10	SSQAM	25	0	17.91	17.91	17.91	19	5		
10	SSQAM	25	12	18.00	18.00	18.00				
10	SSQAM	25	25	17.97	17.97	17.97				
10	SSQAM	50	0	17.91	17.91	17.91				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.64	22.63	22.63	24	0		
5	QPSK	1	12	22.62	22.59	22.63				
5	QPSK	1	24	22.63	22.48	22.59				
5	QPSK	12	0	21.64	21.59	21.53	23	1		
5	QPSK	12	7	21.72	21.64	21.60				
5	QPSK	12	13	21.63	21.52	21.60				
5	QPSK	25	0	21.65	21.59	21.61	23	1		
5	HQAM	1	0	22.65	22.61	22.66				
5	HQAM	1	12	21.69	21.63	22.13				
5	HQAM	1	24	21.68	21.69	22.07	22	2		
5	HQAM	12	0	20.54	20.54	20.60				
5	HQAM	12	7	20.70	20.41	20.59				
5	HQAM	12	13	20.53	20.58	20.70	22	2		
5	HQAM	25	0	20.73	20.62	20.48				
5	HQAM	25	12	20.68	20.61	20.50				
5	HQAM	1	0	21.20	20.69	20.69	22	2		
5	HQAM	1	12	21.27	20.90	20.54				
5	HQAM	12	0	19.72	19.71	19.74				
5	HQAM	12	7	19.66	19.72	19.87	21	3		
5	HQAM	12	13	19.80	19.72	19.83				
5	HQAM	25	0	19.46	19.65	19.55				
5	SSQAM	1	0	17.90	17.92	17.96	19	5		
5	SSQAM	1	12	17.97	17.94	17.91				
5	SSQAM	1	24	18.04	17.98	18.02				
5	SSQAM	12	0	17.80	17.84	17.76	19	5		
5	SSQAM	12	7	17.85	17.84	17.89				
5	SSQAM	12	13	17.89	17.82	17.89				
5	SSQAM	25	0	17.85	17.84	17.77				

Band 17_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Meds Ch./Freq.	Power High Ch./Freq.	Turn-up Int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.71	22.77	22.74	24	0	
10	QPSK	1	25	22.66	22.76	22.70			
10	QPSK	1	49	22.55	22.48	22.64			
10	QPSK	25	0	21.68	21.72	21.70	23	1	
10	QPSK	25	12	21.67	21.69	21.70			
10	QPSK	25	25	21.64	21.65	21.67			
10	QPSK	50	0	21.75	21.78	21.77			
10	HQAM	1	0	22.60	21.93	21.64	23	1	
10	HQAM	1	25	21.60	21.78	22.25			
10	HQAM	1	49	21.72	21.95	22.30			
10	HQAM	25	0	20.56	20.85	20.83	22	2	
10	HQAM	25	12	20.55	20.87	20.87			
10	HQAM	25	25	20.64	20.91	20.85			
10	HQAM	50	0	20.59	20.82	20.86			
10	HQAM	1	0	20.62	20.65	20.86			
10	HQAM	1	25	20.90	21.03	20.46	22	2	
10	HQAM	1	49	20.80	20.63	21.05			
10	HQAM	25	0	19.73	19.71	19.65			
10	HQAM	25	12	19.77	19.83	19.72	21	3	
10	HQAM	25	25	19.55	19.52	19.81			
10	HQAM	50	0	19.67	19.79	19.55			
10	SSQAM	1	0	18.04	18.06	18.04	19	5	
10	SSQAM	1	25	18.05	18.09	18.12			
10	SSQAM	1	49	18.07	18.05	18.09			
10	SSQAM	25	0	18.03	18.03	18.09			
10	SSQAM	25	12	18.08	18.02	18.03	19	5	
10	SSQAM	25	25	18.01	18.06	18.03			
10	SSQAM	50	0	18.05	18.02	18.01			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.72	22.70	22.74	24	0	
5	QPSK	1	12	22.61	22.69	22.71			
5	QPSK	1	24	22.64	22.66	22.67			
5	QPSK	12	0	21.75	21.79	21.79	23	1	
5	QPSK	12	7	21.80	21.76	21.83			
5	QPSK	12	13	21.75	21.76	21.79			
5	QPSK	25	0	21.76	21.78	21.76			
5	HQAM	1	0	22.60	22.10	22.11	23	1	
5	HQAM	1	12	22.10	22.21	22.13			
5	HQAM	1	24	22.01	22.10	22.09			
5	HQAM	12	0	20.63	20.81	20.84	22	2	
5	HQAM	12	7	20.63	20.77	20.85			
5	HQAM	12	13	20.72	20.86	20.78			
5	HQAM	25	0	20.65	20.75	20.75			
5	HQAM	1	0	20.66	20.93	20.95	22	2	
5	HQAM	1	12	20.85	20.84	20.94			
5	HQAM	1	24	20.51	20.92	20.93			
5	HQAM	12	0	19.77	19.83	19.84			
5	HQAM	12	7	19.85	19.79	19.90			
5	HQAM	12	13	19.75	19.81	19.82	21	3	
5	HQAM	25	0	19.78	19.81	19.82			
5	SSQAM	1	0	17.89	17.90	17.90	19	5	
5	SSQAM	1	12	17.98	17.93	18.05			
5	SSQAM	1	24	17.93	17.99	17.93			
5	SSQAM	12	0	17.82	17.90	17.92			
5	SSQAM	12	7	17.95	17.94	17.95			
5	SSQAM	12	13	17.87	17.95	17.97	19	5	
5	SSQAM	25	0	17.87	17.88	17.86			

Band 25_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Meds Ch./Freq.	Power High Ch./Freq.	Turn-up Int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.83	22.83	22.89	24	0	
20	QPSK	1	48	22.85	22.99	22.79			
20	QPSK	1	96	22.78	22.83	22.68			
20	QPSK	50	0	21.94	22.15	22.01	23	1	
20	QPSK	50	24	21.93	22.14	21.97			
20	QPSK	50	50	21.97	22.12	21.84			
20	QPSK	100	0	21.95	22.09	21.98			
20	HQAM	1	0	22.18	22.46	22.22	23	1	
20	HQAM	1	48	22.16	22.35	22.11			
20	HQAM	1	96	22.13	22.27	22.08			
20	HQAM	50	0	21.96	21.11	21.02	22	2	
20	HQAM	50	24	21.01	21.19	20.99			
20	HQAM	50	50	20.98	21.13	20.87			
20	HQAM	100	0	21.07	21.08	20.99			
20	HQAM	1	0	21.09	21.25	21.06	22	2	
20	HQAM	1	48	21.06	21.26	20.99			
20	HQAM	1	96	20.95	21.15	20.88			
20	HQAM	50	0	19.95	20.15	20.00	21	3	
20	HQAM	50	24	20.04	20.30	19.99			
20	HQAM	50	50	20.00	20.16	19.86			
20	HQAM	100	0	20.02	20.09	20.00			
20	SSQAM	1	0	18.06	18.15	18.17	19	5	
20	SSQAM	1	48	18.09	18.07	18.02			
20	SSQAM	1	96	18.12	18.11	18.08			
20	SSQAM	50	0	17.87	18.07	18.05			
20	SSQAM	50	24	17.98	18.09	17.95			
20	SSQAM	50	50	18.00	18.07	17.88			
20	SSQAM	100	0	17.94	18.05	17.92			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.83	22.73	22.80	24	0	
15	QPSK	1	48	22.85	22.71	22.86			
15	QPSK	1	96	22.78	22.85	22.68			
15	QPSK	50	0	21.93	21.86	21.73	23	1	
15	QPSK	50	24	21.78	21.91	21.70			
15	QPSK	50	50	21.77	21.88	21.61			
15	QPSK	100	0	21.90	21.71	21.71			
15	HQAM	1	0	22.01	22.14	22.03	23	1	
15	HQAM	1	48	22.07	22.07	21.96			
15	HQAM	1	96	21.97	22.03	21.82			
15	HQAM	50	0	20.73	20.83	20.76	22	2	
15	HQAM	50	24	20.81	20.84	20.77			
15	HQAM	50	50	20.82	20.83	20.76			
15	HQAM	100	0	20.78	20.80	20.76			
15	HQAM	1	0	20.82	20.97	20.81	21	3	
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76			
15	HQAM	1	0	20.82	20.97	20.81	22	2	
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76			
15	HQAM	1	0	20.82	20.97	20.81	21	3	
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96	20.79	20.82	20.67			
15	HQAM	50	0	20.78	20.80	20.76	19	5	
15	HQAM	1	0	20.82	20.97	20.81			
15	HQAM	1	48	20.83	20.88	20.73			
15	HQAM	1	96						

Band 26_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MFR (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.56	22.56	22.53	24	0				
15	QPSK	1	3	22.56	22.55	22.51						
15	QPSK	1	74	22.53	22.53	22.49						
15	QPSK	36	0	21.80	21.81	21.79						
15	QPSK	36	2	21.72	21.88	21.71	23	1				
15	QPSK	36	39	21.57	21.78	21.68						
15	QPSK	75	0	21.71	21.76	21.67						
15	16QAM	75	2	21.76	22.23	22.10						
15	16QAM	1	37	22.14	22.21	21.83	23	1				
15	16QAM	1	74	21.80	21.82	22.09						
15	16QAM	36	0	20.86	20.90	20.86						
15	16QAM	36	20	20.74	20.93	20.94						
15	16QAM	75	0	20.77	20.84	20.82	22	2				
15	16QAM	1	0	20.99	21.05	20.94						
15	16QAM	1	37	20.94	20.96	20.81						
15	16QAM	36	0	19.72	19.77	19.77						
15	16QAM	36	20	19.75	19.80	19.75	21	3				
15	16QAM	36	39	19.83	19.84	19.80						
15	16QAM	75	0	19.87	19.85	19.77						
15	256QAM	1	0	17.83	17.81	17.84						
15	256QAM	1	37	17.75	17.83	17.81	19	5				
15	256QAM	1	74	17.84	17.82	17.80						
15	256QAM	36	0	17.80	17.77	17.69						
15	256QAM	36	20	17.89	17.72	17.72						
15	256QAM	36	39	17.73	17.77	17.77						
15	256QAM	75	0	17.71	17.70	17.69						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.51	22.45	22.47	24	0				
15	QPSK	1	28	22.50	22.50	22.52						
15	QPSK	1	49	22.50	22.51	22.48						
15	QPSK	26	0	21.63	21.55	21.58						
15	QPSK	26	1	21.60	21.56	21.59	23	1				
15	QPSK	26	25	21.58	21.62	21.63						
15	QPSK	50	0	21.62	21.58	21.58						
15	16QAM	50	1	21.58	21.70	21.68						
15	16QAM	1	29	21.82	21.83	21.89	23	1				
15	16QAM	1	49	21.83	21.87	21.84						
15	16QAM	25	0	20.66	20.65	20.61						
15	16QAM	25	12	20.65	20.62	20.60						
15	16QAM	25	29	20.63	20.64	20.67	22	2				
15	16QAM	50	0	20.62	20.57	20.58						
15	16QAM	1	0	20.83	20.75	20.75						
15	16QAM	1	37	20.50	20.50	20.50						
15	16QAM	1	49	20.58	20.72	20.71	22	2				
15	16QAM	25	0	19.87	19.82	19.82						
15	16QAM	25	12	19.87	19.82	19.82						
15	16QAM	25	25	19.82	19.87	19.85						
15	16QAM	25	26	19.82	19.87	19.85	21	3				
15	16QAM	50	0	19.85	19.88	19.89						
15	256QAM	1	0	17.72	17.71	17.77						
15	256QAM	1	25	17.82	17.87	17.82						
15	256QAM	1	49	17.76	17.87	17.82	19	5				
15	256QAM	12	0	17.84	17.80	17.80						
15	256QAM	12	7	17.84	17.80	17.80						
15	256QAM	25	25	17.86	17.81	17.86						
15	256QAM	50	0	17.86	17.86	17.86	19	5				
15	256QAM	50	0	17.86	17.86	17.86						
15	256QAM	50	0	17.86	17.86	17.86						
15	256QAM	50	0	17.86	17.86	17.86						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.51	22.51	22.52	24	0				
15	QPSK	1	24	22.51	22.51	22.48						
15	QPSK	12	0	21.57	21.57	21.57						
15	QPSK	12	7	21.59	21.59	21.56						
15	QPSK	12	13	21.64	21.59	21.52	23	1				
15	QPSK	36	0	21.58	21.58	21.58						
15	16QAM	7	0	21.94	21.80	21.82						
15	16QAM	1	12	21.80	21.88	21.75						
15	16QAM	1	49	21.80	21.88	21.88	23	1				
15	16QAM	12	0	20.59	20.54	20.61						
15	16QAM	12	7	20.61	20.58	20.60						
15	16QAM	12	13	20.56	20.48	20.51						
15	16QAM	25	0	20.60	20.49	20.59	22	2				
15	16QAM	1	0	20.73	20.71	20.63						
15	16QAM	1	37	20.67	20.72	20.69						
15	16QAM	1	24	20.72	20.73	20.69						
15	16QAM	12	0	19.83	19.86	19.75	21	3				
15	16QAM	12	7	19.84	19.89	19.89						
15	16QAM	12	13	19.59	19.59	19.59						
15	16QAM	25	0	19.80	19.80	19.81						
15	256QAM	0	17.58	17.56	17.56	17.57	19	5				
15	256QAM	1	12	17.59	17.74	17.74						
15	256QAM	1	24	17.76	17.86	17.85						
15	256QAM	12	0	17.56	17.66	17.66						
15	256QAM	12	7	17.83	17.80	17.77						
15	256QAM	12	13	17.88	17.82	17.86						
15	256QAM	25	0	17.84	17.59	17.59						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.41	22.45	22.48	24	0				
15	QPSK	1	12	22.50	22.50	22.47						
15	QPSK	1	24	22.48	22.52	22.44						
15	QPSK	12	0	21.57	21.57	21.57						
15	QPSK	8	4	21.57	21.61	21.59	23	1				
15	QPSK	8	7	21.59	21.56	21.47						
15	QPSK	10	0	21.18	21.47	21.35						
15	16QAM	1	0	21.93	21.88	21.78						
15	16QAM	1	8	21.93	21.86	21.87	23	1				
15	16QAM	1	8	21.79	21.75	21.82						
15	16QAM	8	0	20.63	20.50	20.58						
15	16QAM	8	4	20.69	20.65	20.66						
15	16QAM	8	7	20.59	20.50	20.58	22	2				
15	16QAM	16	0	20.60	20.52	20.60						
15	16QAM	1	0	20.73	20.66	20.78						
15	16QAM	1	3	20.82	20.75	20.79						
15	16QAM	1	14	20.79	20.78	20.70	21	3				
15	16QAM	8	0	19.85	19.58	19.62						
15	16QAM	8	4	19.85	19.69	19.63						
15	16QAM	8	7	19.82	19.67	19.54						
15	16QAM	15	0	19.87	19.93	19.84	19	5				
15	256QAM	1	0	17.70	17.74	17.68						
15	256QAM	1	8	17.85	17.87	17.85						
15	256QAM	1	14	17.71	17.83	17.77						
15	256QAM	12	0	17.81	17.72	17.59	19	5				
15	256QAM	8	4	17.88	17.87	17.87						
15	256QAM	7	7	17.83	17.81	17.88						
15	256QAM	15	0	17.82	17.84	17.82						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.38	22.35	22.29	24	0				
15	QPSK	1	3	22.47	22.41	22.41						
15	QPSK	1	54	22.36	22.38	22.28						
15	QPSK	3	0	22.50	22.44	22.37						
15	QPSK	3	1	22.50	22.42	22.45	23	1				
15	QPSK	3	24	22.49	22.47	22.37						
15	QPSK	48	0	22.42	22.40	22.42						
15	16QAM	1	0	21.77	21.79	21.79						
15	16QAM	1	3	21.81	21.83	21.79	23	1				
15	16QAM	1	37	21.77	21.82	21.68						
15	16QAM	3	0	21.55	21.48	21.43						
15	16QAM	3	1	21.53	21.47	21.47						
15	16QAM	3	2	21.53	21.43	21.43	22	2				
15	16QAM	8	0	20.87	20.52	20.53						
15	16QAM	8	4	20.70	20.64	20.66						
15	16QAM	8	7	20.74	20.63	20.63						
15	16QAM	1	0	20.72	20.73	20.62	22	2				
15	16QAM	3	0	20.66	20.53	20.51						
15	16QAM	3	1	20.68	20.58	20.58						
15	16QAM	3	2	20.66	20.63	20.58						
15	16QAM	8	0	19.49	19.42	19.42	21	3				
15	16QAM	8	4	19.46	19.46	19.46						
15	16QAM	8	7	19.46	19.46	19.46						
15	16QAM	1	0	17.59	17.69	17.71						
15	256QAM	1	0	17.74	17.84	17.83	19	5				
15	256QAM	1	3	17.83	17.83	17.83						
15	256QAM	3	0	17.84	17.82	17.82						
15	256QAM	3	1	17.84	17.69	17.62						
15	256QAM	3	2	17.88	17.82	17.82						
15	256QAM	3	3	17.84	17.69	17.62						

Band 38_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Time-up limit (min)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.06	23.20	23.15	24	0		
20	QPSK	1	49	23.15	23.12	23.01				
20	QPSK	1	99	23.17	23.19	23.00				
20	QPSK	50	0	22.22	22.23	22.19				
20	QPSK	50	24	22.15	22.18	22.09	23	1		
20	QPSK	50	50	22.17	22.21	22.12				
20	QPSK	100	0	22.04	22.05	22.02				
20	16QAM	1	0	22.20	22.20	22.17				
20	16QAM	1	49	22.25	22.28	22.17	23	1		
20	16QAM	1	99	22.30	22.33	22.24				
20	16QAM	50	0	20.85	20.92	20.89				
20	16QAM	50	24	20.86	21.05	21.05				
20	16QAM	50	50	21.03	21.03	20.96	22	2		
20	16QAM	100	0	21.07	20.88	20.97				
20	64QAM	1	0	20.80	20.81	20.83				
20	64QAM	1	49	20.71	20.69	20.73				
20	64QAM	1	99	20.92	20.67	20.73	22	2		
20	64QAM	50	0	19.92	19.97	19.88				
20	64QAM	50	24	20.10	20.00	20.02				
20	64QAM	50	50	20.12	20.18	20.01				
20	64QAM	100	0	20.10	20.01	19.94	21	3		
20	256QAM	1	0	17.87	17.99	17.87				
20	256QAM	1	49	17.89	18.04	17.90				
20	256QAM	50	0	18.05	18.03	18.00				
20	256QAM	50	0	18.05	18.13	18.05	19	5		
20	256QAM	50	24	18.08	18.10	18.12				
20	256QAM	50	24	18.10	18.20	18.06				
20	256QAM	100	0	17.98	18.12	17.97				
Channel							Time-up limit (min)	MFR (dB)		
15	QPSK	1	0	22.85	22.81	22.91	24	0		
15	QPSK	1	49	22.92	22.95	22.91				
15	QPSK	1	74	23.04	23.14	22.80				
15	QPSK	36	0	21.86	22.00	21.98				
15	QPSK	36	39	22.13	22.08	22.08	23	1		
15	QPSK	36	39	21.94	22.09	22.02				
15	QPSK	75	0	22.03	22.04	21.97				
15	16QAM	1	0	22.12	22.12	22.13				
15	16QAM	1	37	22.02	22.13	22.14	23	1		
15	16QAM	1	37	22.26	22.27	22.26				
15	16QAM	36	0	20.88	20.97	20.94				
15	16QAM	36	39	21.06	21.00	21.07				
15	16QAM	36	39	21.17	21.16	21.16	22	2		
15	16QAM	75	0	21.03	21.10	20.90				
15	64QAM	1	0	20.48	20.64	20.48				
15	64QAM	1	37	20.63	20.75	20.63				
15	64QAM	1	74	20.79	20.88	20.74	22	2		
15	64QAM	36	0	19.81	19.93	19.79				
15	64QAM	36	39	19.90	19.90	19.96				
15	64QAM	36	39	19.95	19.95	19.81				
15	256QAM	1	0	17.95	17.90	17.88	19	5		
15	256QAM	1	37	17.78	17.83	17.82				
15	256QAM	36	0	17.97	18.06	18.00				
15	256QAM	36	39	17.85	18.05	18.05				
15	256QAM	75	0	17.85	18.05	18.05	19	5		
15	256QAM	75	0	17.82	18.05	17.82				
Channel							Time-up limit (min)	MFR (dB)		
10	QPSK	1	0	23.00	23.12	22.86	24	0		
10	QPSK	1	25	22.86	23.11	23.11				
10	QPSK	1	49	23.10	23.19	23.00				
10	QPSK	25	0	21.96	21.07	21.86				
10	QPSK	25	12	21.96	21.04	21.86	23	1		
10	QPSK	25	25	21.91	22.04	21.88				
10	QPSK	50	0	22.07	22.09	21.91				
10	16QAM	1	0	22.05	22.22	22.16				
10	16QAM	1	25	21.68	22.11	21.73	23	1		
10	16QAM	1	49	22.06	22.18	21.98				
10	16QAM	25	0	21.02	21.08	20.88				
10	16QAM	25	12	21.13	21.07	21.11				
10	16QAM	25	25	21.10	21.66	21.01	22	2		
10	16QAM	50	0	21.05	21.11	20.94				
10	64QAM	1	0	20.46	20.68	20.48				
10	64QAM	1	25	20.67	20.80	20.61				
10	64QAM	1	49	20.74	20.90	20.77	22	2		
10	64QAM	25	0	19.75	19.92	19.74				
10	64QAM	25	12	19.88	20.04	19.86				
10	64QAM	25	25	19.92	20.08	19.80				
10	64QAM	50	0	20.00	20.02	20.01	21	3		
10	256QAM	1	0	17.80	17.84	17.74				
10	256QAM	1	25	17.78	17.99	17.76				
10	256QAM	1	49	17.85	17.95	17.77				
10	256QAM	25	0	17.90	18.08	17.96	19	5		
10	256QAM	25	12	18.00	18.03	17.99				
10	256QAM	25	25	17.99	18.04	18.01				
10	256QAM	50	0	17.90	18.00	17.83				
Channel							Time-up limit (min)	MFR (dB)		
5	QPSK	1	0	22.76	22.97	22.91	24	0		
5	QPSK	1	12	22.83	22.99	23.06				
5	QPSK	1	24	22.70	22.91	22.74				
5	QPSK	12	0	21.96	22.01	21.84				
5	QPSK	12	7	21.98	22.02	22.03	23	1		
5	QPSK	12	13	22.04	22.15	21.90				
5	QPSK	25	0	21.96	22.00	22.00				
5	16QAM	1	0	21.97	22.17	22.00				
5	16QAM	1	12	21.84	22.10	22.09	23	1		
5	16QAM	1	24	22.11	22.19	22.15				
5	16QAM	12	0	20.97	20.85	21.00				
5	16QAM	12	7	21.02	21.10	20.92				
5	16QAM	12	13	20.98	21.12	21.00	22	2		
5	16QAM	25	0	20.96	21.13	21.06				
5	64QAM	1	0	20.41	20.64	20.45				
5	64QAM	1	12	20.63	20.80	20.63				
5	64QAM	1	24	20.74	20.79	20.66	22	2		
5	64QAM	12	0	19.79	19.92	19.76				
5	64QAM	12	7	19.87	19.98	19.81				
5	64QAM	12	13	19.88	20.00	19.83				
5	64QAM	25	0	19.92	19.99	19.93	21	3		
5	256QAM	1	0	17.72	17.83	17.79				
5	256QAM	1	12	17.75	17.94	17.81				
5	256QAM	1	24	17.83	17.84	17.79				
5	256QAM	12	0	17.91	18.08	17.94	19	5		
5	256QAM	12	7	17.93	18.08	18.02				
5	256QAM	12	13	18.01	18.11	17.91				



Band 38 HPUE_Ant 1														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	17.80	18.09	17.88	19.7	0						
20	QPSK	1	48	17.86	17.88	17.86								
20	QPSK	1	96	17.93	17.70	17.79								
20	QPSK	16	0	17.80	17.86	17.86	19.7	0						
20	QPSK	16	24	17.76	17.89	17.71								
20	QPSK	50	50	17.84	17.70	17.72								
20	QPSK	100	0	17.70	18.03	17.87	19.7	0						
20	16QAM	1	0	17.82	17.82	17.79								
20	16QAM	1	48	17.86	17.82	17.78								
20	16QAM	16	0	17.70	17.87	17.81	19.7	0						
20	16QAM	50	0	17.76	17.74	17.79								
20	16QAM	50	24	17.76	17.83	17.79		19.7	0	0				
20	16QAM	50	50	17.70	17.82	17.75								
20	16QAM	100	0	17.70	17.73	17.73								
20	16QAM	1	0	17.92	17.78	17.75	19.7	0						
20	16QAM	1	96	17.91	17.80	17.72								
20	16QAM	1	192	17.77	17.79	17.76								
20	16QAM	16	0	17.71	17.83	17.83	19.7	0						
20	16QAM	24	24	17.78	17.88	17.83								
20	16QAM	50	50	17.81	17.79	17.74		19.7	0	0				
20	16QAM	100	0	17.71	17.75	17.78								
20	256QAM	1	0	17.87	17.99	17.86		19.7	0	0				
20	256QAM	1	48	17.80	17.99	17.85								
20	256QAM	1	96	18.06	17.99	17.98								
20	256QAM	16	0	17.83	18.08	17.83	19.7	0						
20	256QAM	50	24	17.89	17.99	17.91								
20	256QAM	50	50	18.01	18.04	17.96		19.7	0	0				
20	256QAM	100	0	17.89	17.93	17.83								
Channel														
Frequency (MHz)														
15	QPSK	1	0	17.77	18.05	18.03	19.7	0						
15	QPSK	1	36	18.01	17.83									
15	QPSK	1	74	17.88	17.73	17.83		19.7	0	0				
15	QPSK	16	0	17.88	17.99	17.83								
15	QPSK	16	36	17.81	17.70				19.7	0				
15	QPSK	36	36	17.98	17.72	17.77								
15	QPSK	75	0	17.75	18.03	17.83	19.7	0						
15	16QAM	1	0	17.84	17.84	17.76								
15	16QAM	1	37	17.81	17.81	17.75		19.7	0	0				
15	16QAM	16	0	17.86	17.86	17.78								
15	16QAM	36	0	17.72	17.73	17.82		19.7	0	0				
15	16QAM	36	36	17.72	17.78	17.77								
15	16QAM	75	0	17.81	17.81	17.76		19.7	0	0				
15	16QAM	75	0	17.81	17.77	17.75								
15	16QAM	1	0	17.86	17.82	17.74	19.7	0						
15	16QAM	1	36	17.70	17.83	17.75								
15	16QAM	1	74	17.87	17.74	17.76		19.7	0	0				
15	16QAM	16	0	17.75	17.73	17.81								
15	16QAM	36	36	17.80	17.81	17.88	19.7	0						
15	16QAM	36	36	17.81	17.73	17.79								
15	16QAM	75	0	17.70	17.72	17.78		19.7	0	0				
15	256QAM	1	0	17.86	17.97	17.89								
15	256QAM	1	37	17.85	17.83	17.88	19.7	0						
15	256QAM	16	0	17.85	17.87	17.79								
15	256QAM	36	0	17.93	18.08	17.79		19.7	0	0				
15	256QAM	36	36	17.94	17.85	17.85								
15	256QAM	75	0	17.80	18.07	17.85		19.7	0	0				
15	256QAM	75	0	17.90	17.92	17.81								
Channel														
Frequency (MHz)														
10	QPSK	1	0	17.82	18.03	17.99	19.7	0						
10	QPSK	1	25	17.88	17.96	17.86								
10	QPSK	1	48	17.98	17.74	17.80		19.7	0	0				
10	QPSK	25	0	17.80	17.84	17.83								
10	QPSK	25	12	17.73	17.87			19.7	0	0				
10	QPSK	25	25	17.95	17.73	17.71								
10	QPSK	50	0	17.71	18.08	17.90	19.7	0						
10	16QAM	1	0	17.86	17.86	17.74								
10	16QAM	1	25	17.89	17.78	17.71		19.7	0	0				
10	16QAM	1	48	17.75	17.83	17.83								
10	16QAM	25	0	17.74	17.74	17.74	19.7	0						
10	16QAM	25	12	17.76	17.88	17.73								
10	16QAM	25	25	17.73	17.82	17.74		19.7	0	0				
10	16QAM	50	0	17.76	17.71	17.76								
10	16QAM	1	0	17.86	17.74	17.71	19.7	0						
10	16QAM	1	25	17.75	17.81	17.86								
10	16QAM	1	48	17.87	17.80	17.72		19.7	0	0				
10	16QAM	25	0	17.77	17.80	17.72								
10	16QAM	25	12	17.72	17.81	17.77	19.7	0						
10	16QAM	25	25	17.76	17.84	17.72								
10	16QAM	50	0	17.70	17.79	17.72		19.7	0	0				
10	16QAM	1	0	17.81	17.83	17.83								
10	256QAM	1	0	17.81	18.04	17.90	19.7	0						
10	256QAM	1	48	18.04	18.01	17.90								
10	256QAM	25	0	17.80	18.08	17.78		19.7	0	0				
10	256QAM	25	12	17.84	18.03	17.96								
10	256QAM	25	25	17.97	18.01	17.90		19.7	0	0				
10	256QAM	50	0	17.80	17.96	17.85								
Channel														
Frequency (MHz)														
5	QPSK	1	0	17.74	18.08	18.03	19.7	0						
5	QPSK	1	12	17.85	17.97	17.94								
5	QPSK	1	24	17.90	17.73	17.84		19.7	0	0				
5	QPSK	12	0	17.85	17.90	17.84								
5	QPSK	12	7	17.79	17.88	17.74		19.7	0	0				
5	QPSK	12	13	17.80	17.71	17.76								
5	QPSK	25	0	17.74	17.99	17.91	19.7	0						
5	16QAM	1	0	17.77	17.77	17.81								
5	16QAM	1	12	17.81	17.87	17.79		19.7	0	0				
5	16QAM	1	24	17.71	17.85	17.76								
5	16QAM	12	0	17.78	17.78	17.84	19.7	0						
5	16QAM	12	7	17.72	17.79	17.82								
5	16QAM	12	13	17.78	17.84	17.81		19.7	0	0				
5	16QAM	25	0	17.76	17.74	17.71								
5	16QAM	1	0	17.96	17.80	17.72	19.7	0						
5	16QAM	1	12	17.70	17.86	17.77								
5	16QAM	1	24	17.87	17.78	17.77		19.7	0	0				
5	16QAM	12	0	17.74	17.73	17.81								
5	16QAM	12	7	17.81	17.83	17.70		19.7	0	0				
5	16QAM	12	13	17.86	17.73	17.75								
5	16QAM	25	0	17.74	17.78	17.73								
5	256QAM	1	0	17.84	17.78	17.74	19.7	0						
5	256QAM	1	12	17.84	18.04	17.84								
5	256QAM	1	24	18.04	17.86	17.86		19.7	0	0				
5	256QAM	12	0	17.96	18.02	17.97								
5	256QAM	12	7	18.03	18.03	17.80		19.7	0	0				
5	256QAM	12	13	17.88	17.88	17.84								
5	256QAM	25	0	17.80	17.90	17.83								
5	256QAM	25	7	17.80	17.90	17.83								



Band 41 HPUE_Ant 0																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mode Ch. / Freq.	Power Low Mode Ch. / Freq.	Power High Mode Ch. / Freq.	Power High Mode Ch. / Freq.	Power High Mode Ch. / Freq.	Time-up limit (min)	MPR (dB)						
Channel																
Frequency (MHz)																
20	QPSK	1	0	25.56	25.55	25.60	25.55	25.52	27	0						
20	QPSK	1	49	25.61	25.67	25.58	25.45	25.56								
20	QPSK	1	99	25.54	25.53	25.53	25.59	25.58								
20	QPSK	10	0	24.70	24.65	24.81	24.77	24.71	26	1						
20	QPSK	50	24	24.71	24.63	24.80	24.80	24.70								
20	QPSK	50	50	24.72	24.60	24.79	24.78	24.68								
20	QPSK	100	0	24.77	24.58	24.76	24.78	24.66	26	1						
20	16QAM	1	0	24.94	24.96	24.94	25.03	25.05								
20	16QAM	1	49	24.91	24.93	24.90	24.89	24.90								
20	16QAM	10	0	25.00	25.00	25.00	24.93	25.00	25	2						
20	16QAM	50	0	23.81	23.89	23.74	23.79	23.80								
20	16QAM	50	24	23.84	23.91	23.84	23.85	23.86								
20	16QAM	100	0	23.87	23.84	23.84	23.89	23.93	25	2						
20	64QAM	1	0	23.96	23.75	23.89	23.76	23.87								
20	64QAM	1	49	23.75	23.82	23.88	23.75	23.85								
20	64QAM	1	99	23.76	23.78	23.80	23.74	23.89	24	3						
20	64QAM	100	0	22.84	22.87	22.75	22.79	22.88								
20	64QAM	50	24	22.84	22.91	22.85	22.84	22.85								
20	64QAM	50	50	22.80	22.85	22.84	22.85	22.80	22	5						
20	256QAM	1	0	20.38	20.19	20.47	20.27	20.69								
20	256QAM	1	49	20.33	20.22	20.46	20.63	20.67								
20	256QAM	1	99	20.38	20.19	20.47	20.27	20.69	22	5						
20	256QAM	50	0	20.54	20.42	20.54	20.68	20.79								
20	256QAM	50	24	20.58	20.43	20.61	20.73	20.77								
20	256QAM	50	50	20.53	20.34	20.59	20.66	20.60	22	5						
20	256QAM	100	0	20.48	20.37	20.53	20.72	20.69								
20	256QAM	100	0	20.48	20.37	20.53	20.72	20.69								
Channel																
Frequency (MHz)																
15	QPSK	1	0	25.52	25.47	25.50	25.43	25.41	27.00	0						
15	QPSK	1	39	25.54	25.40	25.53	25.43	25.50								
15	QPSK	1	74	25.53	25.58	25.52	25.59	25.52								
15	QPSK	36	0	24.71	24.76	24.73	24.69	24.62	26	1						
15	QPSK	36	20	24.70	24.68	24.75	24.72	24.64								
15	QPSK	36	36	24.76	24.73	24.70	24.57	24.58								
15	QPSK	75	0	24.73	24.69	24.76	24.62	24.68	26	1						
15	16QAM	1	0	24.80	24.83	24.87	24.80	24.87								
15	16QAM	1	37	24.80	24.91	24.86	24.65	24.68								
15	16QAM	1	74	24.89	24.84	24.78	24.84	24.76	25	2						
15	16QAM	36	0	23.71	23.76	23.59	23.58	23.61								
15	16QAM	36	20	23.62	23.69	23.75	23.61	23.65								
15	16QAM	75	0	23.68	23.66	23.62	23.65	23.64	25	2						
15	16QAM	75	0	23.80	23.74	23.67	23.68	23.74								
15	64QAM	1	0	23.21	23.65	23.65	23.55	23.41								
15	64QAM	1	39	23.27	23.71	23.65	23.55	23.60	24	3						
15	64QAM	1	74	23.68	23.68	23.76	23.59	23.56								
15	64QAM	36	0	22.19	22.81	22.73	22.65	22.57								
15	64QAM	36	20	22.31	22.72	22.76	22.70	22.70	24	3						
15	64QAM	36	36	22.45	22.79	22.71	22.64	22.61								
15	256QAM	1	0	20.26	20.24	20.27	20.26	20.29								
15	256QAM	1	37	20.17	20.14	20.41	20.49	20.52	22	5						
15	256QAM	1	74	20.37	20.37	20.37	20.37	20.37								
15	256QAM	36	0	20.45	20.26	20.40	20.55	20.57								
15	256QAM	36	20	20.40	20.30	20.51	20.62	20.67	22	5						
15	256QAM	75	0	20.36	20.20	20.46	20.68	20.66								
15	256QAM	75	0	20.34	20.25	20.38	20.60	20.61								
Channel																
Frequency (MHz)																
10	QPSK	1	0	25.52	25.58	25.58	25.59	25.46	27.00	0						
10	QPSK	1	25	25.53	25.53	25.53	25.44	25.51								
10	QPSK	1	49	25.54	25.55	25.55	25.51	25.53								
10	QPSK	25	0	24.76	24.83	24.91	24.55	24.66	26	1						
10	QPSK	25	0	24.86	24.74	24.86	24.69	24.69								
10	QPSK	25	25	24.81	24.88	24.88	24.60	24.66								
10	QPSK	50	0	24.82	24.83	24.84	24.75	24.66	26	1						
10	16QAM	1	0	25.13	25.02	25.15	25.02	25.02								
10	16QAM	1	25	24.90	24.98	25.04	24.79	24.82								
10	16QAM	1	49	24.97	25.04	24.96	24.77	24.76	25	2						
10	16QAM	25	0	23.81	23.75	23.79	23.74	23.63								
10	16QAM	25	12	23.94	23.85	23.86	23.68	23.65								
10	16QAM	25	25	23.86	23.82	24.04	23.65	23.84	25	2						
10	16QAM	50	0	23.87	23.88	24.09	23.73	23.83								
10	64QAM	1	0	23.86	23.91	23.95	23.69	23.88								
10	64QAM	1	25	23.95	23.80	24.03	23.55	23.89	24	3						
10	64QAM	1	49	23.85	23.83	23.93	23.53	23.80								
10	64QAM	25	0	22.87	22.91	22.96	22.15	22.81								
10	64QAM	25	12	22.90	22.91	23.16	22.93	23.03	22	5						
10	64QAM	25	25	22.90	22.96	23.12	22.23	22.92								
10	64QAM	50	0	22.87	22.86	23.03	22.17	22.78								
10	256QAM	1	0	20.26	20.26	20.36	20.00	20.06	22	5						
10	256QAM	1	25	20.18	20.09	20.30	20.51	20.52								
10	256QAM	1	49	20.33	20.13	20.36	20.43	20.58								
10	256QAM	25	0	20.43	20.33	20.41	20.61	20.69	22	5						
10	256QAM	25	12	20.48	20.33	20.53	20.57	20.68								
10	256QAM	25	25	20.37	20.22	20.51	20.54	20.64								
10	256QAM	50	0	20.33	20.23	20.46	20.61	20.66	22	5						
10	256QAM	50	0	20.33	20.23	20.46	20.61	20.66								
10	256QAM	50	0	20.33	20.23	20.46	20.61	20.66								
Channel																
Frequency (MHz)																
5	QPSK	1	0	25.54	25.50	25.50	25.43	25.40	27.00	0						
5	QPSK	1	12	25.50	25.56	25.51	25.55	25.43								
5	QPSK	1	24	25.48	25.53	25.50	25.46	25.50								
5	QPSK	12	0	24.88	24.84	24.79	24.71	24.63	26	1						
5	QPSK	12	7	24.85	24.93	24.90	24.62	24.77								



Reduced Power for DSI 3-Standalone

OSM1500_Ant 6	Best Average Power (dBm)			Turn-up Limit	Frame-Average Power (dBm)			Turn-up Limit
TX Channel	198	198	201	(dBm)	198	198	201	(dBm)
Frequency (MHz)	32.12	32.12	32.12	32.12	32.12	32.12	32.12	32.12
OSM1 1 Tx limit	32.12	32.12	32.38	33.00	32.12	32.32	32.38	34.00
OPRS 1 Tx limit	30.33	30.36	30.38	31.00	30.33	30.36	30.38	30.90
OPRS 1 Tx limit	29.43	29.51	29.59	29.90	29.43	29.51	29.59	29.90
OPRS 1 Tx limit	28.61	28.64	28.75	29.00	28.61	28.64	28.75	29.00
EDGE 1 Tx limit	28.69	28.69	28.69	27.00	18.00	18.00	18.00	18.00
EDGE 2 Tx limit	24.01	24.22	24.79	26.00	18.01	18.72	18.79	20.00
EDGE 3 Tx limit	23.50	23.29	23.59	24.00	18.39	18.73	18.72	20.34
EDGE 4 Tx limit	21.00	21.01	21.00	23.00	18.60	18.61	18.60	20.00

OSM1500_Ant 5	Best Average Power (dBm)			Turn-up Limit	Frame-Average Power (dBm)			Turn-up Limit
TX Channel	182	185	185	(dBm)	182	185	185	(dBm)
Frequency (MHz)	30.02	30.00	30.02	30.02	30.02	30.00	30.02	30.02
OSM1 1 Tx limit	28.03	28.01	28.25	29.20	18.03	18.01	18.25	20.20
OPRS 1 Tx limit	26.03	26.02	26.24	27.00	16.03	16.02	16.24	17.00
OPRS 1 Tx limit	25.77	25.80	25.86	26.20	15.77	15.80	15.86	16.20
OPRS 1 Tx limit	22.03	22.05	22.47	24.00	18.43	18.39	18.41	20.14
OPRS 1 Tx limit	22.03	22.15	22.14	23.20	18.03	18.15	18.14	20.20
EDGE 1 Tx limit	20.50	20.57	20.52	27.00	18.50	18.57	18.52	18.00
EDGE 2 Tx limit	20.40	20.23	20.53	26.00	18.40	18.23	18.53	18.00
EDGE 3 Tx limit	20.00	20.00	20.00	24.00	18.73	18.74	18.72	18.74
EDGE 4 Tx limit	21.00	21.00	21.00	23.00	18.52	18.51	18.51	20.00

DSM	WCDMA_V_Ant 6			Turn-up Limit	WCDMA_V_Ant 5			Turn-up Limit	
TX Channel	9092	9090	9090	(dBm)	1512	1433	1513	(dBm)	
Frequency (MHz)	8862	8860	8868	8862	1537	1536	1538	1537	
ISPP-Rail0	18.16	18.41	18.06	20.00	18.72	18.97	18.01	19.80	
ISPP-Rail1	18.16	18.01	18.08	20.00	18.98	18.05	18.15	19.80	
ISPP-Rail2	18.17	18.46	18.17	19.00	17.85	18.03	18.15	19.80	
ISPP-Rail3	18.19	18.43	18.10	19.00	17.85	18.03	18.14	19.80	
ISPP-Rail4	17.45	17.58	17.58	18.00	17.30	17.51	17.43	18.00	
ISPP-Rail5	17.71	17.69	17.68	18.00	17.30	17.52	17.68	18.00	
ISPP-Rail6	18.46	18.40	18.50	19.00	17.84	17.87	18.00	19.00	
ISPP-Rail7	18.46	18.52	18.47	19.00	17.80	17.77	18.07	19.00	
ISPP-Rail8	DC-HSPA Subcar-1	17.89	18.00	18.03	18.60	17.29	17.58	17.45	18.30
ISPP-Rail9	DC-HSPA Subcar-2	17.87	17.97	17.96	18.50	17.33	17.42	17.50	18.30
ISPP-Rail10	DC-HSPA Subcar-3	18.15	18.49	18.11	19.00	17.76	17.99	18.16	19.80
ISPP-Rail11	DC-HSPA Subcar-4	18.33	18.43	18.33	17.00	18.76	18.09	18.11	19.80
ISPP-Rail12	DC-HSPA Subcar-5	17.25	17.37	17.59	18.00	16.87	17.07	17.59	17.80
ISPP-Rail13	DC-HSPA Subcar-6	18.16	18.16	18.20	17.00	18.73	18.52	18.20	19.80
ISPP-Rail14	DC-HSPA Subcar-7	18.26	18.51	18.21	19.00	17.22	18.04	18.16	19.80
ISPP-Rail15	DC-HSPA Subcar-8								



Band 2_Ant 0										Band 2_Ant 1										Band 4_Ant 0										Band 4_Ant 1										
BW [MHz]	Modulation	RB Step	RB Offset	Power Ch./F.Freq.	Power Modem Ch./F.Freq.	Power Ch./F.Freq.	Turn-up Int. (dB)	MPR (dB)		BW [MHz]	Modulation	RB Step	RB Offset	Power Ch./F.Freq.	Power Modem Ch./F.Freq.	Power Ch./F.Freq.	Turn-up Int. (dB)	MPR (dB)		BW [MHz]	Modulation	RB Step	RB Offset	Power Ch./F.Freq.	Power Modem Ch./F.Freq.	Power Ch./F.Freq.	Turn-up Int. (dB)	MPR (dB)		BW [MHz]	Modulation	RB Step	RB Offset	Power Ch./F.Freq.	Power Modem Ch./F.Freq.	Power Ch./F.Freq.	Turn-up Int. (dB)	MPR (dB)		
Channel										Channel										Channel										Channel										
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										
20	QPSK	1	0	18.07	18.07	18.14				20	QPSK	1	0	22.92	23.05	23.04				20	QPSK	1	0	18.34	18.47	18.27				20	QPSK	1	0	21.05	21.10	21.10				
20	QPSK	1	48	17.90	18.11	17.97	19.5	0		20	QPSK	1	48	22.83	23.03	22.97	24	0		20	QPSK	1	48	18.23	18.13	18.13				20	QPSK	1	48	20.95	21.10	21.05	22.1	0		
20	QPSK	1	96	18.02	18.20	18.02				20	QPSK	1	96	22.80	22.96	22.78				20	QPSK	1	96	18.20	18.11	18.07				20	QPSK	1	96	20.98	21.08	21.08				
20	QPSK	1	144	18.02	18.34	18.04				20	QPSK	50	0	22.90	22.19	22.12				20	QPSK	50	0	18.29	18.36	18.25				20	QPSK	50	0	21.09	21.13	21.07				
20	QPSK	1	192	17.98	18.17	18.06				20	QPSK	50	48	22.82	22.15	22.10	19.5	0		20	QPSK	50	48	18.08	18.08	18.05				20	QPSK	50	48	20.98	21.03	20.93	22.1	0		
20	QPSK	50	50	17.99	18.09	17.83				20	QPSK	50	50	22.82	22.01	22.05				20	QPSK	50	50	18.11	18.09	18.03				20	QPSK	50	50	20.98	21.03	20.93				
20	QPSK	100	0	18.02	18.25	18.01				20	QPSK	100	0	22.82	22.08	22.00				20	QPSK	100	0	18.29	18.36	18.18				20	QPSK	100	0	21.02	21.13	21.06				
20	QPSK	100	48	17.95	18.16	18.00				20	QPSK	100	48	22.77	22.00	22.07	19.5	0		20	QPSK	100	48	18.13	18.10	18.02				20	QPSK	100	48	20.99	21.12	21.07	22.1	0		
20	16QAM	1	48	18.03	18.25	18.01	19.5	0		20	16QAM	1	48	22.10	22.44	22.56				20	16QAM	1	48	18.03	18.07	17.98				20	16QAM	1	48	20.81	21.03	20.99	22.1	0		
20	16QAM	1	96	18.00	18.20	18.12				20	16QAM	1	96	22.13	22.27	22.23				20	16QAM	1	96	18.38	18.33	18.20				20	16QAM	1	96	21.00	21.12	21.09				
20	16QAM	1	144	17.90	18.11	17.97	19.5	0		20	16QAM	1	144	22.09	21.26	21.07				20	16QAM	1	144	18.11	18.07	18.15				20	16QAM	1	144	20.94	21.09	21.06				
20	16QAM	50	24	18.05	18.20	17.88				20	16QAM	50	24	22.10	21.21	21.06				20	16QAM	50	24	18.05	18.03	18.00				20	16QAM	50	24	20.81	21.01	20.94	22	0.1		
20	16QAM	50	50	18.01	18.25	18.13				20	16QAM	50	50	22.02	20.98	21.10				20	16QAM	50	50	18.24	18.30	18.06				20	16QAM	50	50	20.85	21.07	20.84				
20	16QAM	1	48	17.92	18.20	17.95				20	16QAM	150	0	21.07	21.14	21.09				20	16QAM	150	0	18.34	18.30	18.05				20	16QAM	150	0	20.81	21.04	21.00				
20	16QAM	1	0	17.98	18.09	17.94				20	16QAM	1	0	21.21	21.01	21.05				20	16QAM	1	0	17.96	18.00	18.01				20	16QAM	1	0	20.85	20.78	21.04				
20	16QAM	1	48	18.10	18.34	18.00	19.5	0		20	16QAM	1	48	21.26	21.46	21.31				20	16QAM	1	48	18.27	18.36	18.21				20	16QAM	1	48	20.88	21.09	21.11	22	0.1		
20	16QAM	1	96	17.98	18.21	17.96				20	16QAM	1	96	21.26	21.26	21.30				20	16QAM	1	96	18.05	18.00	18.10				20	16QAM	1	96	21.04	21.10	21.03				
20	16QAM	50	0	17.92	18.06	17.94				20	16QAM	50	0	19.99	20.17	20.12				20	16QAM	50	0	18.06	18.02	18.03				20	16QAM	50	0	20.87	19.96	20.13				
20	16QAM	50	24	18.11	18.30	18.11	19.5	0		20	16QAM	50	24	20.96	20.21	20.12				20	16QAM	50	24	18.11	18.36	18.14				20	16QAM	50	24	20.91	19.98	19.96	21	1.1		
20	16QAM	50	50	18.03	18.16	17.93				20	16QAM	50	50	20.96	20.05	20.12				20	16QAM	50	50	18.01	18.30	18.16				20	16QAM	50	50	20.81	21.00	21.00				
20	256QAM	1	48	17.97	17.99	17.95	19	0.5		20	256QAM	1	48	21.21	21.01	21.05				20	256QAM	1	48	17.93	18.00	17.92				20	256QAM	1	48	17.91	17.97	17.97	19	3.1		
20	256QAM	1	96	17.88	17.87	17.78				20	256QAM	1	96	18.03	18.03	17.88				20	256QAM	1	96	17.86	18.07	17.98				20	256QAM	1	96	18.05	18.11	18.04				
20	256QAM	1	144	17.80	17.82	17.76				20	256QAM	1	144	21.06	20.91	21.00				20	256QAM	1	144	17.88	17.88	17.85				20	256QAM	1	144	17.76	17.89	17.88				
20	256QAM	50	24	17.85	17.87	17.87	19	0.5		20	256QAM	50	24	17.84	18.02	17.94				20	256QAM	50	24	17.82	17.87	17.98				20	256QAM	50	24	17.82	17.90	17.92	19	3.1		
20	256QAM	50	50	17.83	17.86	17.87				20	256QAM	50	50	17.88	17.89	17.84				20	256QAM	50	50	17.82	17.87	17.91				20	256QAM	50	50	17.93	17.87	17.88				
Channel	Frequency (MHz)	1807.5	1808	1808.5	1809	1809.5	Turn-up Int. (dB)	MPR (dB)		Channel	Frequency (MHz)	1807.5	1808	1808.5	1809	1809.5	Turn-up Int. (dB)	MPR (dB)		Channel	Frequency (MHz)	1731.5	1732	1732.5	1733	1733.5	1734	Turn-up Int. (dB)	MPR (dB)		Channel	Frequency (MHz)	1717.5	1718	1718.5	1719	1719.5	Turn-up Int. (dB)	MPR (dB)	
15										15										15										15										
15	QPSK	1	0	18.07	18.07	18.14				15	QPSK	1	0	22.86	23.01	23.03				15	QPSK	1	0	18.18	18.24	18.15				15	QPSK	1	0	21.09	21.08	21.10				
15	QPSK	1	48	17.84	18.02	17.96	19.5	0		15	QPSK	1	48	22.86	22.98	22.93	24	0		15	QPSK	1	48	18.04	18.05	18.19				15	QPSK	1	48	20.97	21.10	21.05	22.1	0		
15	QPSK	1	96	17.93	18.09	17.92				15	QPSK	1	96	22.81	22.96	22.79				15	QPSK	1	96	18.17	18.16	18.02				15	QPSK	1	96	20.98	20.98	20.97				
15	QPSK	36	0	17.87	18.20	17.96				15	QPSK	36	0	21.93	22.11	22.09				15	QPSK	36	0	18.23	18.26	18.09				15	QPSK	36	0	21.04	20.98	20.96				
15	QPSK	36	48	17.89	18.10	17.91	19.5	0		15	QPSK	36	48	21.96	22.09	22.18	23	1		15	QPSK	36	48	17.88	17.87	17.89				15	QPSK	36	48	20.98	20.98	20.99	22.1	0		
15	QPSK	36	96	17.83	18.02	17.69				15	QPSK	36																												



Band 5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Max Ch./F.Freq.	Power Min Ch./F.Freq.	Power Min Ch./F.Freq.	Turn-up rate (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.48	22.56	22.53			
15	QPSK	1	25	22.44	22.56	22.47			
15	QPSK	1	49	22.40	22.31	22.43			24
15	QPSK	25	0	21.48	21.63	21.62			
15	QPSK	25	12	21.48	21.62	21.53			
15	QPSK	25	25	21.49	21.54	21.48			
15	QPSK	50	0	21.47	21.60	21.52			
15	QPSK	50	12	21.51	21.75	21.65			
15	16QAM	1	25	22.11	21.77	21.84			23
15	16QAM	1	49	21.83	21.66	21.86			
15	16QAM	1	73	21.86	21.72	21.85			
15	16QAM	25	12	20.51	20.51	20.52			
15	16QAM	25	25	20.49	20.46	20.61			
15	16QAM	50	0	20.50	20.53	20.59			
15	64QAM	1	0	20.59	20.59	20.64			
15	64QAM	1	25	20.57	20.56	20.52			
15	64QAM	1	49	20.79	20.30	20.26			
15	64QAM	25	0	19.32	19.49	19.40			
15	64QAM	25	12	19.50	19.55	19.54			
15	64QAM	25	25	19.48	19.50	19.40			
15	64QAM	50	0	19.57	19.50	19.37			
15	256QAM	1	25	17.85	18.00	17.94			19
15	256QAM	1	49	17.87	17.86	17.94			
15	256QAM	25	12	17.86	17.89	17.78			
15	256QAM	25	25	17.90	17.89	18.01			
15	256QAM	50	0	17.83	17.82	17.91			
15	256QAM	50	12	17.85	17.88	17.85			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.41	22.33	22.37			
5	QPSK	1	25	22.20	22.49	22.29			
5	QPSK	1	24	22.29	22.34	22.45			
5	QPSK	12	0	21.51	21.41	21.48			
5	QPSK	12	12	21.38	21.61	21.65			
5	QPSK	12	13	21.36	21.51	21.58			
5	QPSK	25	0	21.43	21.46	21.49			
5	16QAM	1	25	21.70	21.80	21.81			
5	16QAM	1	12	21.70	22.09	21.89			
5	16QAM	1	24	21.69	21.60	21.48			
5	16QAM	12	0	20.48	20.58	20.47			
5	16QAM	12	7	20.58	20.54	20.48			
5	16QAM	12	13	20.56	20.59	20.52			
5	16QAM	25	0	20.39	20.42	20.43			
5	64QAM	1	0	21.25	21.42	21.68			
5	64QAM	1	25	21.26	21.38	21.48			
5	64QAM	1	24	21.57	21.57	21.55			
5	64QAM	12	0	20.27	20.32	20.38			
5	64QAM	12	13	20.32	20.32	20.38			
5	64QAM	12	13	20.35	20.40	20.52			
5	64QAM	25	0	20.26	20.38	20.42			
5	256QAM	1	12	17.75	17.89	17.81			
5	256QAM	1	24	17.80	17.87	17.81			
5	256QAM	12	0	17.82	17.86	17.85			
5	256QAM	12	7	17.78	17.79	17.94			
5	256QAM	12	13	17.83	17.79	17.81			
5	256QAM	25	0	17.80	17.83	17.81			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.25	22.48	22.31			
3	QPSK	1	14	22.28	22.47	22.24			
3	QPSK	12	0	21.30	21.49	21.43			
3	QPSK	8	7	21.38	21.43	21.31			
3	QPSK	8	7	21.36	21.39	21.44			
3	16QAM	1	0	21.86	21.60	21.62			
3	16QAM	1	8	21.87	21.44	21.34			
3	16QAM	8	4	20.46	20.57	20.36			
3	16QAM	8	4	20.48	20.65	20.54			
3	16QAM	8	7	20.46	20.57	20.36			
3	16QAM	15	0	20.30	20.40	20.43			
3	64QAM	1	0	20.96	20.72	20.79			
3	64QAM	1	8	20.76	20.80	20.76			
3	64QAM	1	14	20.78	20.81	20.86			
3	64QAM	8	0	19.87	19.91	19.43			
3	64QAM	8	4	19.83	19.72	19.87			
3	64QAM	8	7	19.45	19.46	19.36			
3	64QAM	15	0	19.23	19.43	19.39			
3	256QAM	1	8	17.75	17.85	17.79			
3	256QAM	1	14	17.81	17.83	17.84			
3	256QAM	8	0	17.68	17.79	17.84			
3	256QAM	8	4	17.84	17.77	17.86			
3	256QAM	8	7	17.83	17.86	17.76			
3	256QAM	15	0	17.82	17.85	17.87			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.25	22.33	22.30			
1.4	QPSK	1	3	22.28	22.34	22.43			
1.4	QPSK	1	5	22.27	22.32	22.15			
1.4	QPSK	3	0	22.34	22.33	22.42			
1.4	QPSK	3	3	22.38	22.49	22.42			
1.4	QPSK	3	22	22.27	22.34	22.35			
1.4	16QAM	1	0	21.42	21.27	21.44			
1.4	16QAM	1	9	21.52	21.67	21.76			
1.4	16QAM	1	3	21.48	21.74	21.91			
1.4	16QAM	3	0	21.51	21.53	21.76			
1.4	16QAM	3	9	21.68	21.49	21.33			
1.4	16QAM	3	1	21.54	21.68	21.48			
1.4	16QAM	3	21	21.47	21.47	21.49			
1.4	16QAM	6	0	20.47	20.39	20.30			
1.4	16QAM	1	0	20.42	20.30	21.07			
1.4	16QAM	1	3	20.50	20.50	20.50			
1.4	16QAM	1	9	20.85	20.50	20.71			
1.4	16QAM	3	0	20.53	20.24	20.69			
1.4	16QAM	3	9	20.27	20.31	20.63			
1.4	16QAM	3	3	20.13	20.27	20.52			
1.4	64QAM	1	0	19.44	19.35	19.47			
1.4	256QAM	1	0	17.70	17.81	17.78			
1.4	256QAM	1	3	17.76	17.86	17.80			
1.4	256QAM	1	9	17.86	17.79	17.78			
1.4	256QAM	3	0	17.85	17.84	17.80			
1.4	256QAM	3	1	17.84	17.75	17.82			
1.4	256QAM	3	9	17.79	17.76	17.83			
1.4	256QAM	6	0	17.85	17.86	17.81			

Band 7_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Max Ch./F.Freq.	Power Min Ch./F.Freq.	Power Min Ch./F.Freq.	Turn-up rate (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.11	18.21	18.19			
20	QPSK	1	49	18.04	18.10	18.13			
20	QPSK	1	99	18.10	18.10	18.15			
20	QPSK	50	0	18.01	18.10	18.09			
20	QPSK	50	24	18.00	18.04	18.04			
20	QPSK	50	50	17.96	18.08	18.08			
20	QPSK	100	0	17.81	18.04	17.86			
20	16QAM	1	50	17.98	17.94	18.07			
20	16QAM	1	49	18.04	18.03	18.04			
20	16QAM	1	99	17.91	17.98	17.96			
20	16QAM	50	0	17.96	17.98	17.98			
20	16QAM	50	24	18.01	18.08	18.09			
20	16QAM	50	50	17.90	17.97	18.00			
20	16QAM	100	0	18.00	18.13	18.04			
20	64QAM	1	0	18.04	18.05	18.09			
20	64QAM	1	49	17.92	18.06	17.96			
20	64QAM	1	99	17.98	17.98	18.01			
20	64QAM	50	0	18.03	18.03	18.13			
20	64QAM	50	24	17.90	18.06	17.86			
20	64QAM	50	50	17.98	18.07	17.99			
20	64QAM	100	0	17.97	18.08	18.00			
20	256QAM	1	0	18.05	18.09	18.15			
20	256QAM	1	99	18.13	18.05	18.10			
20	256QAM	1	49	18.09	18.09	18.08			
20	256QAM	50	0	18.13	18.16	18.09			
20	256QAM	50	50	18.08	18.05	18.14			
20	256QAM	100	0	18.07	18.09	18.11			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.01	18.06	18.10			
15	QPSK	1	25	17.99	18.09	18.09			
15	QPSK	1	74	17.94	18.02	18.01			
15	QPSK	36	0	17.90	17.96	17.93			
15	QPSK	36	25	17.88	17.99	17.91			
15	QPSK	36	39	17.84	18.01	17.83			
15	QPSK	75	0	17.75	17.94	17.83			
15	16QAM	1	25	17.90	17.81	18.01			
15	16QAM	1	37	17.89	17.90	17.92			
15	16QAM	1	74	17.76	17.88	17.88			
15	16QAM	36	0	17.88	17.90	17.83			</



Band 13_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq.	Power Mod Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.60	22.60		24	0	
10	QPSK	1	25	22.64	22.64				
10	QPSK	1	49	22.58	22.58				
10	QPSK	25	0	21.68	21.68		23	1	
10	QPSK	25	12	21.65	21.65				
10	QPSK	25	25	21.60	21.60				
10	QPSK	50	0	21.54	21.54				
10	HQAM	1	0	21.73	21.73				
10	HQAM	1	25	22.10	22.10		23	1	
10	HQAM	1	49	21.82	21.82				
10	HQAM	25	0	20.52	20.52				
10	HQAM	25	12	20.57	20.57		22	2	
10	HQAM	25	25	20.62	20.62				
10	HQAM	50	0	20.57	20.57				
10	HQAM	1	0	20.81	20.81		22	2	
10	HQAM	1	25	20.92	20.92				
10	HQAM	1	49	20.89	20.89				
10	HQAM	25	0	19.85	19.85				
10	HQAM	25	12	19.84	19.84		21	3	
10	HQAM	25	25	19.83	19.83				
10	HQAM	50	0	19.56	19.56				
10	HQAM	1	0	18.04	18.04				
10	SSQAM	1	25	18.05	18.05		19	5	
10	SSQAM	1	49	18.11	18.11				
10	SSQAM	25	0	17.91	17.91				
10	SSQAM	25	12	18.00	18.00		19	5	
10	SSQAM	25	25	17.87	17.87				
10	SSQAM	50	0	17.81	17.81				
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.64	22.63	22.65	24	0	
5	QPSK	1	12	22.62	22.60	22.63			
5	QPSK	1	24	22.63	22.48	22.60			
5	QPSK	12	0	21.64	21.59	21.63	23	1	
5	QPSK	12	7	21.73	21.64	21.60			
5	QPSK	12	13	21.63	21.52	21.60			
5	QPSK	25	0	21.65	21.59	21.61			
5	HQAM	1	0	22.05	21.91	21.88	23	1	
5	HQAM	1	12	21.90	21.83	22.13			
5	HQAM	1	24	21.88	21.80	22.00			
5	HQAM	12	0	20.54	20.54	20.60	22	2	
5	HQAM	12	7	20.70	20.41	20.59			
5	HQAM	12	13	20.53	20.58	20.70			
5	HQAM	25	0	20.73	20.62	20.48			
5	HQAM	1	0	20.88	20.81	20.50	22	2	
5	HQAM	1	12	21.20	20.60	20.60			
5	HQAM	1	24	21.27	20.90	20.54			
5	HQAM	12	0	19.72	19.71	19.74	21	3	
5	HQAM	12	7	19.66	19.72	19.87			
5	HQAM	12	13	19.80	19.72	19.53			
5	HQAM	25	0	19.46	19.65	19.55			
5	SSQAM	1	0	17.90	17.92	17.98	19	5	
5	SSQAM	1	12	17.97	17.94	17.91			
5	SSQAM	1	24	18.04	17.88	18.02			
5	SSQAM	12	0	17.80	17.84	17.76	19	5	
5	SSQAM	12	7	17.89	17.82	17.82			
5	SSQAM	25	0	17.85	17.84	17.77			

Band 17_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq.	Power Mod Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.71	22.77	22.74	24	0	
10	QPSK	1	25	22.66	22.76	22.76			
10	QPSK	1	49	22.55	22.48	22.64			
10	QPSK	25	0	21.68	21.72	21.70	23	1	
10	QPSK	25	12	21.67	21.69	21.70			
10	QPSK	25	25	21.64	21.65	21.67			
10	QPSK	50	0	21.75	21.78	21.77			
10	HQAM	1	0	22.00	21.93	21.64	23	1	
10	HQAM	1	25	21.60	21.78	22.25			
10	HQAM	1	49	21.72	21.95	22.30			
10	HQAM	25	0	20.85	20.85	20.83	22	2	
10	HQAM	25	12	20.85	20.87	20.87			
10	HQAM	25	25	20.84	20.91	20.85			
10	HQAM	50	0	20.89	20.82	20.86			
10	HQAM	1	0	20.62	20.65	20.86			
10	HQAM	1	25	20.90	21.03	20.46	22	2	
10	HQAM	1	49	20.80	20.63	21.05			
10	HQAM	25	0	19.73	19.71	19.65			
10	HQAM	25	12	19.77	19.81	19.72	21	3	
10	HQAM	25	25	19.55	19.82	19.81			
10	HQAM	50	0	19.67	19.79	19.55			
10	SSQAM	1	0	18.04	18.06	18.04			
10	SSQAM	1	25	18.05	18.09	18.12	19	5	
10	SSQAM	1	49	18.07	18.05	18.09			
10	SSQAM	25	0	18.03	18.03	18.09			
10	SSQAM	25	12	18.08	18.02	18.03	19	5	
10	SSQAM	25	25	18.01	18.06	18.03			
10	SSQAM	50	0	18.05	18.02	18.03			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.72	22.70	22.74	24	0	
5	QPSK	1	12	22.61	22.69	22.71			
5	QPSK	1	24	22.64	22.46	22.67			
5	QPSK	12	0	21.75	21.79	21.79	23	1	
5	QPSK	12	7	21.80	21.76	21.83			
5	QPSK	12	13	21.75	21.76	21.79			
5	QPSK	25	0	21.76	21.78	21.76			
5	HQAM	1	0	22.00	22.10	22.11	23	1	
5	HQAM	1	12	22.10	22.21	22.13			
5	HQAM	1	24	22.01	22.11	22.09			
5	HQAM	12	0	20.83	20.81	20.84	22	2	
5	HQAM	12	7	20.83	20.77	20.85			
5	HQAM	12	13	20.72	20.80	20.78			
5	HQAM	25	0	20.85	20.84	20.94			
5	HQAM	1	0	20.86	20.93	20.95	22	2	
5	HQAM	1	12	20.85	20.84	20.94			
5	HQAM	1	24	20.51	20.92	20.93			
5	HQAM	12	0	19.77	19.83	19.84	21	3	
5	HQAM	12	7	19.85	19.79	19.90			
5	HQAM	12	13	19.75	19.81	19.82			
5	HQAM	25	0	19.78	19.81	19.82			
5	SSQAM	1	0	17.89	17.90	17.90			
5	SSQAM	1	12	17.98	17.93	18.05	19	5	
5	SSQAM	1	24	17.93	17.99	17.93			
5	SSQAM	12	0	17.82	17.90	17.92			
5	SSQAM	12	7	17.95	17.94	17.95	19	5	
5	SSQAM	12	13	17.87	17.85	17.87			
5	SSQAM	25	0	17.87	17.88	17.86			

Band 25_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq.	Power Mod Ch / Freq.	Power High Mod Ch / Freq.	Turn-up Int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.80	18.02	18.08			
20	QPSK	1	25	17.80	18.25	18.01			
20	QPSK	1	50	17.94	18.09	17.91			
20	QPSK	50	0	17.86	18.20	17.98	19.5	0	
20	QPSK	50	24	17.85	18.01	17.84			
20	QPSK	50	50	17.86	18.00	17.70			
20	QPSK	100	0	17.87	18.11	17.87			
20	HQAM	1	0	17.86	18.04	17.91	19.5	0	
20	HQAM	1	49	17.87	18.02	17.87			
20	HQAM	1	99	17.85	18.23	17.99			
20	HQAM	50	0	17.80	18.04	17.90	19.5	0	
20	HQAM	50	24	17.99	17.99	17.79			
20	HQAM	50	50	17.85	18.14	18.08			
20	HQAM	100	0	17.77	18.08	17.74			
20	HQAM	1	0	17.72	17.99	17.79	19	0.5	
20	HQAM	1	49	17.52	17.82	17.65			
20	HQAM	1	99	17.72	17.83	17.69			
20	HQAM	25	0	17.67	17.82	17.74	19	0.5	
20	HQAM	25	24	17.78	17.89	17.81			
20	SSQAM	50	0	17.80	17.79	17.59			
20	SSQAM	100	0	17.69	17.78	17.57			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.80	18.00	18.01	19.5	0	
15	QPSK	1	25	17.77	18.20	17.89			
15	QPSK	1	74	17.79	18.03	17.86			
15	QPSK	36	0	17.88	18.21	17.84	19.5	0	
15	QPSK	36	25	17.73	17.89	17.74			
15	QPSK	36	99						
15	QPSK	36	99	17.80	17.87	17.78			
15	HQAM	1	0	17.86	18.04	17.91	19.5	0	
15	HQAM	1	49	17.87	18.02	17.87			
15	HQAM	1	99	17.85	18.23	17.99			
15	HQAM	50	0	17.80	18.04	17.90	19.5	0	
15	HQAM	50	24	17.99	17.99	17.79			
15	HQAM	50	50	17.85	18.11	17.70			
15	HQAM	1	0	17.86	18.04	17.92			
15	HQAM	1	74	17.87	18.04	17.87			
15	HQAM	36	0	17.76	18.27	17.80	19.5	0	
15	HQAM	36	25	17.77	17.92	17.74			
15	HQAM	36	99	17.85	18.02	17.72			
15	HQAM	75	0	17.68	17.97	17.68			
15	HQAM	75	24	17.89	17.97	17.69			
15	HQAM	75	99	17.83	18.05	17.65			
15	SSQAM	1	0	17.43	17.69	17.50	19	0.5	
15	SSQAM	1	74	17.67	17.74	17.57			
15	SSQAM	1	99	17.59	17.70	17.51			
15	SSQAM	25	0	17.70	17.83	17.72	19	0.5	
15	SSQAM	25	24	17.88	17.88	17.67			
15	SSQAM	75	0	17.65	17.78	17.51			
15	SSQAM	75	99						
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.93	18.56	17.90			
10	QPSK	1	26	17.81	18.84	17.80	19.5	0	
10	QPSK	1	49	17.82	17.98	17.85			
10	QPSK	1	74	17.82	18.02	17.84			
10	QPSK	25	0	17.76	17.94	17.71	19.5	0	
10	QPSK	25	12	17.86	17.94	17.71			
10	QPSK	25	24	17.76	17.94	17.71			
10	QPSK	25	49	17.86	17.94	17.71			
10	HQAM	1	0	17.77	17.96	17.80	19	0	
10	HQAM	1	26	17.81	18.10	17.87			
10	HQAM	1	49	17.81	18.10	17.87			
10	HQAM	25	0	17.65	17.89	17.78	19.5	0	
10	HQAM	25	12	17.76	17.94	17.68			
10	HQAM	25	24	17.66	18.04	18.00			
10	HQAM	25	49	17.83	18.07	17.85			
10	HQAM	1	0	17.76	17.94	17.68	19.5	0	
10	HQAM	1	26	17.80	18.11	17.78			
10	HQAM	1	49	17.72	18.00	17.74			
10	HQAM	1	74	17.82	18.02	17.84			
10	HQAM	25	12	17.65	18.05	18.07	19.5	0	
10	HQAM	25	25	17.74	17.93	17.68			
10	HQAM	25	49	17.83	18.02	17.87			
10	SSQAM	1	0	17.61	17.91	17.73	19	0	
10	SSQAM	1	26	17.72	17.72	17.53			
10	SSQAM	1	49	17.77	17.77	17.58			
10	SSQAM	25	0	17.59	17.80	17.67	19	0.5	
10	SSQAM	25	12	17.70	17.76	17.56			
10	SSQAM	25	24	17.60	17.76	17.56			
10	SSQAM	50	0	17.54	17.78	17.50			
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.91	18.52	17.93			
5	QPSK	1	12	17.84	18.20	17.85	19.5	0	
5	QPSK	1	25	17.84	18.20	17.85			
5	QPSK	12	0	17.82	18.14	17.91			
5	QPSK	12	7	17.82	17.89	17.89	19.5	0	
5	QPSK	12	14	17.83	17.94	17.84			
5	QPSK	25	0	17.76	17.95	17.85			
5	HQAM	1	0	17.79	17.93	17.82	19.5	0	
5	HQAM	1	12	17.81	18.07	17.84			
5	HQAM	1	25	17.80	18.15	17.85			
5	HQAM	12	0	17.72	17.93	17.77	19.5	0	
5	HQAM	12	7	17.83	17.91	17.80			
5	HQAM	12	14	17.78	18.03	17.98			
5	HQAM	25	0	17.68	18.03	17.85	19.5	0	
5	HQAM	25	7	17.84	18.04	17.72			
5	HQAM	25	14	17.83	17.92	17.83			
5	HQAM	12	12	17.80	18.03	17.85			
5	HQAM	12	25	17.81	17.97	17.80	19.5	0	
5	HQAM	12	39	17.78	17.89	17.70			
5	HQAM	25	12	17.66	17.93	17.86			
5	HQAM	25	25	17.65	17.93	17.65			
5	HQAM	1	0	17.83	17.83	17.83	19.5	0.5	
5	HQAM	1	12	17.87	17.87	17.87			
5	HQAM	1	25	17.86	17.86	17.86			
5	HQAM	12	0	17.84	17.85	17.85	19.5	0	
5	HQAM	12	14	17.85	17.73	17.75			
5	HQAM	12	18	17.71	17.68	17.43			
5	SSQAM	25	0	17.64	17.76	17.51	19	0.5	
5	SSQAM	25	12	17.75	17.75	17.51			
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.91	18.56	17.93			
3	QPSK	1	12	17.84	18.20	17.85	19.5	0	
3	QPSK	1	25	17.84	18.20	17.85			
3	QPSK	12	0	17.82	18.14	17.91			
3	QPSK	12	7	17.82	17.89	17.89	19.5	0	
3	QPSK	12	14	17.83	17.94	17.84			
3	QPSK	25	0	17.76	17.95	17.85			
3	HQAM	1	0	17.80	17.94	17.81	19.5	0	
3	HQAM	1	12	17.82	18.07	17.84			
3	HQAM	1	25	17.80	18.13	17.82			
3	HQAM	12	0	17.72	17.93	17.77	19.5	0	
3	HQAM	12	7	17.83	17.91	17.80			
3	HQAM	12	14	17.78	18.03	17.98			
3	HQAM	25	0	17.68	18.03	17.85	19.5	0	
3	HQAM	25	7	17.84	18.04	17.72			
3	HQAM	25	14	17.83	17.92	17.83			
3	HQAM	12	12	17.80	18.03	17.85			
3	HQAM	12	25	17.81	17.97	17.80	19.5	0	
3	HQAM	12	39	17.78	17.89	17.70			
3	HQAM	25	12	17.66	17.93	17.86			
3	HQAM	25	25	17.65	17.93	17.65			
3	SSQAM	25	0	17.64	17.76	17.51	19	0.5	
3	SSQAM	25	12	17.75	17.75	17.51			
Channel									
Frequency (MHz)									
14	QPSK	1	0	17.91	18.52	17.93			
14	QPSK	1	12	17.84	18.20	17.85	19.5	0	
14	QPSK	1	25	17.84	18.20	17.85			
14	QPSK	12	0	17.82	18.14	17.91			
14	QPSK	12	7	17.82	17.89	17.89	19.5	0	
14	QPSK	12	14	17.83	17.94	17.84			
14	QPSK	25	0	17.76	17.95	17.85			
14	HQAM	1	0	17.79	17.93	17.82	19.5	0	
14	HQAM	1	12	17.81	18.07	17.84			
14	HQAM	1	25	17.80	18.15	17.85			
14	HQAM	12	0	17.72	17.93	17.77	19.5	0	
14	HQAM	12	7	17.83	17.91	17.80			
14	HQAM	12	14	17.78	18.03	17.98			
14	HQAM	25	0	17.68	18.03	17.85	19.5	0	
14	HQAM	25	7	17.84	18.04	17.72			
14	HQAM	25	14	17.83	17.92	17.83			
14	HQAM	12	12	17.80	18.03	17.85			
14	HQAM	12	25	17.81	17.97	17.80	19.5	0	
14	HQAM	12	39	17.78	17.89	17.70			
14	HQAM	25	12	17.66	17.93	17.86			
14	HQAM	25	25	17.65	17.93	17.65			
14	SSQAM	25	0	17.64	17.76	17.51	19	0.5	
14	SSQAM	25	12	17.75	17.75	17.51			
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.91	18.52	17.93			
3	QPSK	1	12	17.84	18.20	17.85	19.5	0	
3	QPSK	1	25	17.84	18.20	17.85			
3	QPSK	12	0	17.82	18.14	17.91			
3	QPSK	12	7	17.82	17.89	17.89	19.5	0	
3	QPSK	12	14	17.83	17.94	17.84			
3	QPSK	25	0	17.76	17.95	17.85			
3	HQAM	1	0	17.80	17.94				

Band 26_Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turnup time (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.56	22.56	22.53	24	0						
15	QPSK	1	3	22.56	22.55	22.51								
15	QPSK	36	0	21.80	21.83	21.79								
15	QPSK	36	20	21.72	21.86	21.71								
15	QPSK	36	39	21.57	21.78	21.68	23	1						
15	QPSK	75	0	21.71	21.76	21.67								
15	16QAM	1	0	21.76	22.23	22.15								
15	16QAM	1	37	22.14	22.21	21.83								
15	16QAM	1	74	21.80	21.82	22.09	23	1						
15	16QAM	36	0	20.68	20.90	20.95								
15	16QAM	36	20	20.74	20.91	20.98								
15	16QAM	36	39	20.74	20.93	20.94								
15	16QAM	75	0	20.77	20.84	20.82	22	2						
15	16QAM	1	0	20.99	21.05	20.94								
15	16QAM	1	37	20.94	20.96	20.81								
15	16QAM	1	74	20.99	21.05	20.81								
15	16QAM	36	0	19.72	19.77	19.77	22	2						
15	16QAM	36	20	19.75	19.80	19.75								
15	16QAM	36	39	19.83	19.94	19.80								
15	16QAM	75	0	19.87	19.86	19.82								
15	16QAM	75	20	19.83	19.94	19.80	19	5						
15	16QAM	1	0	17.85	17.81	17.84								
15	16QAM	1	37	17.75	17.83	17.81								
15	16QAM	1	74	17.84	17.82	17.80								
15	16QAM	36	0	17.82	17.77	17.80	19	5						
15	16QAM	36	20	17.89	17.72	17.72								
15	16QAM	36	39	17.73	17.78	17.77								
15	16QAM	75	0	17.71	17.75	17.68								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.51	22.45	22.47	24	0						
15	QPSK	1	26	22.50	22.49	22.52								
15	QPSK	1	49	22.50	22.51	22.48								
15	QPSK	26	0	21.63	21.55	21.58								
15	QPSK	26	12	21.60	21.56	21.59	23	1						
15	QPSK	26	28	21.58	21.62	21.63								
15	QPSK	50	0	21.62	21.59	21.58								
15	QPSK	50	1	21.58	21.70	21.58								
15	16QAM	1	0	21.88	21.79	21.80	23	1						
15	16QAM	1	28	21.83	21.81	21.89								
15	16QAM	25	0	20.66	20.65	20.61								
15	16QAM	25	12	20.65	20.62	20.60								
15	16QAM	25	22	20.65	20.62	20.60	22	2						
15	16QAM	50	0	20.62	20.57	20.58								
15	16QAM	1	0	20.83	20.75	20.75								
15	16QAM	1	37	20.83	20.75	20.75								
15	16QAM	1	49	20.98	20.72	20.71	21	3						
15	16QAM	25	0	19.87	19.82	19.82								
15	16QAM	25	12	19.87	19.82	19.82								
15	16QAM	25	25	19.82	19.87	19.85								
15	16QAM	50	0	19.82	19.87	19.85	19	5						
15	16QAM	1	25	17.82	17.71	17.77								
15	16QAM	1	49	17.67	17.67	17.65								
15	16QAM	25	12	17.84	17.85	17.85								
15	16QAM	25	25	17.86	17.81	17.86	19	5						
15	16QAM	50	0	17.86	17.81	17.86								
15	16QAM	50	12	17.86	17.81	17.86								
15	16QAM	50	25	17.86	17.81	17.86								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.41	22.41	22.42	24	0						
5	QPSK	1	12	22.50	22.50	22.47								
5	QPSK	1	24	22.51	22.51	22.45								
5	QPSK	12	0	21.57	21.57	21.57								
5	QPSK	12	7	21.59	21.59	21.52	23	1						
5	QPSK	12	13	21.64	21.59	21.52								
5	QPSK	26	0	21.62	21.58	21.58								
5	QPSK	26	7	21.64	21.60	21.62								
5	16QAM	1	0	21.94	21.80	21.82	23	1						
5	16QAM	1	12	21.80	21.88	21.75								
5	16QAM	12	0	20.99	20.94	20.91								
5	16QAM	12	7	20.61	20.58	20.60								
5	16QAM	12	13	20.65	20.58	20.57	22	2						
5	16QAM	25	0	20.60	20.49	20.59								
5	16QAM	1	0	20.73	20.71	20.63								
5	16QAM	1	37	20.67	20.73	20.63								
5	16QAM	1	24	20.72	20.73	20.69	21	3						
5	16QAM	12	0	19.83	19.86	19.75								
5	16QAM	12	7	19.84	19.86	19.83								
5	16QAM	12	13	19.59	19.59	19.59								
5	16QAM	25	0	19.80	19.80	19.81	19	5						
5	16QAM	25	12	17.82	17.86	17.85								
5	16QAM	25	12	17.86	17.86	17.86								
5	16QAM	25	12	17.83	17.86	17.87								
5	16QAM	25	13	17.88	17.82	17.86	19	5						
5	16QAM	25	13	17.88	17.82	17.86								
5	16QAM	25	13	17.88	17.82	17.86								
5	16QAM	25	13	17.88	17.82	17.86								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.41	22.45	22.48	24	0						
3	QPSK	1	8	22.52	22.49	22.44								
3	QPSK	1	14	22.48	22.52	22.44								
3	QPSK	1	16	22.50	22.44	22.37								
3	QPSK	8	4	21.57	21.61	21.59	23	1						
3	QPSK	8	7	21.59	21.56	21.47								
3	16QAM	1	0	21.98	21.47	21.35								
3	16QAM	1	8	21.93	21.88	21.79								
3	16QAM	8	4	21.93	21.86	21.87	23	1						
3	16QAM	8	7	21.79	21.75	21.82								
3	16QAM	8	0	20.63	20.50	20.58								
3	16QAM	8	4	20.69	20.65	20.66								
3	16QAM	16	0	20.62	20.52	20.58	22	2						
3	16QAM	1	0	20.73	20.66	20.70								
3	16QAM	1	8	20.62	20.75	20.79								
3	16QAM	1	14	20.79	20.78	20.70								
3	16QAM	8	0	19.85	19.86	19.82	21	3						
3	16QAM	8	4	19.85	19.89	19.83								
3	16QAM	8	7	19.82	19.87	19.84								
3	16QAM	16	0	19.87	19.93	19.84								
3	16QAM	1	0	17.70	17.74	17.88	19	5						
3	16QAM	1	8	17.65	17.67	17.65								
3	16QAM	1	14	17.71	17.83	17.77								
3	16QAM	8	4	17.66	17.66	17.66								
3	16QAM	8	7	17.61	17.72	17.69	19	5						
3	16QAM	8	4	17.68	17.67	17.67								
3	16QAM	8	7	17.63	17.61	17.68								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.47	22.47	22.43	24	0						
1.4	QPSK	1	1	22.47	22.47	22.41								
1.4	QPSK	1	5	22.36	22.38	22.28								
1.4	QPSK	1	9	22.44	22.44	22.37								
1.4	QPSK	3	0	22.50	22.47	22.37	23	1						
1.4	QPSK	3	3	22.49	22.47	22.34								
1.4	QPSK	3	7	22.40	22.42	22.31								
1.4	16QAM	1	0	21.77	21.79	21.72								
1.4	16QAM	1	3	21.81	21.83	21.79	23	1						
1.4	16QAM	1	7	21.80	21.77	21.83								
1.4	16QAM	3	0	21.55	21.45	21.43								
1.4	16QAM	3	3	21.53	21.47	21.47								
1.4	16QAM	3	7	21.48	21.53	21.43	22	2						
1.4	16QAM	6	0	20.67	20.52	20.53								
1.4	16QAM	6	3	20.70	20.64	20.65								
1.4	16QAM	6	7	20.68	20.64	20.65								
1.4	16QAM	1	0	20.72	20.73	20.60	22	2						
1.4	16QAM	3	0	20.66	20.53	20.51								
1.4	16QAM	3	3	20.68	20.58	20.58								
1.4	16QAM	3	7	20.66	20.63	20.58								
1.4	16QAM	6	0	19.49	19.42	19.42	21	3						
1.4	16QAM	6	3	19.52	19.43	19.43								
1.4	16QAM	6	7	19.47	19.45	19.43								
1.4	16QAM	12	0	17.69	17.69	17.71								
1.4	16QAM	1	0	17.74	17.84	17.83	19	5						
1.4	16QAM	1	3	17.76	17.83	17.83								
1.4	16QAM	3	0	17.84	17.62	17.62								
1.4	16QAM	3	3	17.64	17.69	17.69								
1.4	16QAM	3	7	17.69	17.69	17.69	19	5						
1.4	16QAM	6	0	17.59	17.59	17.62								
1.4	16QAM	6	3	17.59	17.59	17.62								
1.4	16QAM	6	7	17.59	17.59	17.62								

Band 38_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Max Ch / Freq	Time-up time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.87	20.71	20.53	21.4	0		
20	QPSK	1	49	20.92	20.60	20.35				
20	QPSK	1	99	20.61	20.64	20.39				
20	QPSK	50	0	20.47	20.55	20.43				
20	QPSK	50	24	20.46	20.43	20.31	21.4	0		
20	QPSK	50	50	20.40	20.40	20.30				
20	QPSK	100	0	20.36	20.54	20.53				
20	16QAM	1	0	20.51	20.43	20.34				
20	16QAM	1	49	20.40	20.51	20.32	21.4	0		
20	16QAM	50	0	20.43	20.44	20.36				
20	16QAM	50	24	20.43	20.47	20.23				
20	16QAM	100	0	20.46	20.51	20.28				
20	64QAM	1	0	20.50	20.42	20.32	21.4	0		
20	64QAM	1	49	20.35	20.47	20.30				
20	64QAM	1	99	20.43	20.37	20.37				
20	64QAM	50	0	20.47	20.46	20.35				
20	64QAM	50	24	20.33	20.41	20.43	21	0.4		
20	64QAM	50	50	20.53	20.43	20.38				
20	64QAM	100	0	20.48	20.46	20.38				
20	256QAM	1	0	17.73	17.84	17.73				
20	256QAM	1	49	17.76	17.85	17.85	19	2.4		
20	256QAM	1	99	17.86	17.93	17.75				
20	256QAM	50	0	17.84	18.00	17.99				
20	256QAM	50	24	18.01	18.11	18.04				
20	256QAM	50	50	17.95	17.95	17.95	19	2.4		
20	256QAM	100	0	17.91	18.02	17.91				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.51	20.61	20.42	21.4	0		
15	QPSK	1	49	20.50	20.60	20.35				
15	QPSK	1	99	20.52	20.58	20.31				
15	QPSK	50	0	20.36	20.37	20.32				
15	QPSK	50	24	20.38	20.35	20.25	21.4	0		
15	QPSK	50	50	20.30	20.32	20.16				
15	QPSK	75	0	20.16	20.41	20.41				
15	16QAM	1	0	20.46	20.27	20.24				
15	16QAM	1	37	20.26	20.43	20.20	21.4	0		
15	16QAM	36	0	20.13	20.32	20.13				
15	16QAM	36	20	20.29	20.33	20.24				
15	16QAM	75	0	20.17	20.43	20.26				
15	16QAM	75	0	20.33	20.41	20.16	21.4	0		
15	64QAM	1	0	20.43	20.26	20.24				
15	64QAM	1	37	20.27	20.35	20.28				
15	64QAM	1	74	20.33	20.23	20.21				
15	64QAM	36	0	20.42	20.39	20.25	21.4	0		
15	64QAM	36	20	20.31	20.31	20.32				
15	64QAM	36	39	20.40	20.38	20.25				
15	64QAM	75	0	20.38	20.38	20.22				
15	256QAM	1	0	17.68	17.75	17.68	19	2.4		
15	256QAM	1	37	17.67	17.87	17.78				
15	256QAM	36	0	17.75	17.92	17.93				
15	256QAM	36	20	17.83	18.01	17.98				
15	256QAM	75	0	17.80	17.92	17.88	19	2.4		
15	256QAM	75	0	17.77	17.94	17.76				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.61	20.57	20.37	21.4	0		
10	QPSK	1	25	20.46	20.41	20.20				
10	QPSK	1	50	20.36	20.58	20.28				
10	QPSK	25	0	20.34	20.40	20.29				
10	QPSK	25	12	20.34	20.31	20.23	21.4	0		
10	QPSK	25	25	20.30	20.33	20.17				
10	QPSK	50	0	20.14	20.42	20.46				
10	16QAM	1	0	20.36	20.36	20.25				
10	16QAM	1	25	20.34	20.44	20.25	21.4	0		
10	16QAM	1	49	20.25	20.38	20.33				
10	16QAM	25	0	20.36	20.29	20.24				
10	16QAM	25	12	20.37	20.26	20.27				
10	16QAM	25	25	20.30	20.38	20.17	21.4	0		
10	64QAM	1	0	20.36	20.32	20.23				
10	64QAM	1	25	20.25	20.40	20.36				
10	64QAM	1	50	20.34	20.23	20.25				
10	64QAM	25	0	20.38	20.35	20.24	21	0.4		
10	64QAM	25	12	20.22	20.36	20.34				
10	64QAM	25	25	20.38	20.27	20.15				
10	64QAM	50	0	20.41	20.33	20.13				
10	256QAM	1	0	17.65	17.70	17.67	19	2.4		
10	256QAM	1	25	17.68	17.82	17.79				
10	256QAM	25	0	17.76	17.85	17.88				
10	256QAM	25	12	17.85	17.95	17.89				
10	256QAM	25	25	17.80	17.99	17.98	19	2.4		
10	256QAM	50	0	17.83	17.95	17.78				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.52	20.58	20.48	21.4	0		
5	QPSK	1	12	20.46	20.50	20.19				
5	QPSK	1	24	20.48	20.54	20.31				
5	QPSK	12	0	20.33	20.39	20.29				
5	QPSK	12	7	20.34	20.28	20.16	21.4	0		
5	QPSK	12	13	20.34	20.34	20.16				
5	QPSK	25	0	20.21	20.44	20.39				
5	16QAM	1	0	20.46	20.34	20.23				
5	16QAM	1	12	20.35	20.43	20.24	21.4	0		
5	16QAM	1	24	20.21	20.40	20.34				
5	16QAM	12	0	20.37	20.38	20.11				
5	16QAM	12	7	20.38	20.39	20.24				
5	16QAM	12	13	20.36	20.32	20.28	21.4	0		
5	16QAM	25	0	20.37	20.43	20.23				
5	64QAM	1	0	20.41	20.32	20.21				
5	64QAM	1	12	20.34	20.42	20.35				
5	64QAM	12	0	20.36	20.26	20.32	21	0.4		
5	64QAM	12	7	20.34	20.35	20.28				
5	64QAM	12	13	20.25	20.32	20.33				
5	64QAM	25	0	20.41	20.33	20.18				
5	256QAM	1	0	17.69	17.40	17.17	19	2.4		
5	256QAM	1	12	17.71	17.82	17.77				
5	256QAM	1	24	17.76	17.88	17.59				
5	256QAM	12	0	17.86	17.84	17.34				
5	256QAM	12	7	17.93	17.80	17.90	19	2.4		
5	256QAM	12	13	17.95	17.89	17.79				
5	256QAM	25	0	17.75	17.91	17.78				
5	256QAM	25	0	17.75	17.91	17.78				

Band 38_Ant 0 HPUE										
BW (MHz)	Modulation	RB Size	RB Offset	Power [dBm] Ch. 1/Ch. 2	Power [dBm] Ch. 3/Ch. 4	Power [dBm] Ch. 5/Ch. 6	Turn-on time (ms)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.31	22.32	22.23				
20	QPSK	1	49	22.23	22.23	22.30			23	0
20	QPSK	1	99	22.27	22.28	22.28				
20	QPSK	50	0	22.21	22.26	22.18				
20	QPSK	50	24	22.16	22.17	22.25			23	0
20	QPSK	100	0	22.22	22.25	22.18				
20	QPSK	100	24	22.25	22.26	22.28				
20	16QAM	1	49	22.24	22.24	22.18				
20	16QAM	1	99	22.27	22.28	22.21				
20	16QAM	50	24	22.22	22.23	22.14				
20	16QAM	50	50	22.20	22.20	22.22				
20	16QAM	100	0	22.24	22.27	22.17				
20	64QAM	1	0	22.24	22.16	22.10				0
20	64QAM	1	99	22.26	22.24	22.27				
20	64QAM	50	0	22.17	22.08	22.19				
20	64QAM	50	24	22.15	22.13	22.15			23	0
20	64QAM	50	50	22.21	22.09	22.17				
20	64QAM	100	0	22.08	22.08	22.21				
20	256QAM	1	49	20.48	20.48	20.36				
20	256QAM	1	49	20.45	20.51	20.44			22	1
20	256QAM	1	99	20.53	20.56	20.43				
20	256QAM	1	99	20.37	20.48	20.38				
20	256QAM	50	24	20.41	20.54	20.42			22	1
20	256QAM	50	50	20.52	20.52	20.52				
20	256QAM	100	0	20.31	20.43	20.37				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.28	22.21	22.19				
15	QPSK	1	37	22.18	22.18	22.22			23	0
15	QPSK	1	75	22.19	22.14	22.21				
15	QPSK	36	0	22.11	22.24	22.14				
15	QPSK	36	20	22.13	22.06	22.13			23	0
15	QPSK	72	0	22.07	22.08	22.17				
15	QPSK	72	0	22.15	22.05	22.08				
15	16QAM	1	23	22.13	22.03	22.17				
15	16QAM	1	37	21.97	22.16	22.09			23	0
15	16QAM	36	20	22.13	22.05	22.08				
15	16QAM	36	20	22.06	22.05	22.09			23	0
15	16QAM	72	0	22.23	22.10	22.07				
15	16QAM	72	0	22.11	22.04	22.04				
15	64QAM	1	0	22.06	22.11	22.01				
15	64QAM	1	37	22.21	22.11	22.08			23	0
15	64QAM	1	75	22.08	22.11	22.15				
15	64QAM	36	0	22.08	22.16	22.05				
15	64QAM	36	20	22.07	22.17	22.08				
15	64QAM	72	0	22.15	21.05	22.05				
15	256QAM	1	49	20.53	20.55	20.52				
15	256QAM	1	75	20.31	20.43	20.33				
15	256QAM	1	37	20.37	20.44	20.41			22	1
15	256QAM	1	74	20.26	20.40	20.29				
15	256QAM	36	20	20.38	20.57	20.47				
15	256QAM	36	20	20.38	20.57	20.42			22	1
15	256QAM	72	0	20.26	20.46	20.21				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.29	22.23	22.22				
10	QPSK	1	25	22.20	22.21	22.26				
10	QPSK	1	49	22.26	22.23	22.13			23	0
10	QPSK	26	0	22.09	22.20	22.03				
10	QPSK	26	12	22.09	22.08	22.18				
10	QPSK	52	0	22.12	22.08	22.08				
10	QPSK	52	0	22.15	22.07	22.13				
10	16QAM	1	25	22.16	22.16	22.16				
10	16QAM	1	25	22.04	22.02	22.07			23	0
10	16QAM	1	49	22.21	22.12	22.07				
10	16QAM	26	12	22.05	22.04	22.14				
10	16QAM	26	12	22.08	22.04	22.07			23	0
10	16QAM	26	25	22.13	22.21	21.96				
10	64QAM	1	0	22.09	22.04	22.04				
10	64QAM	1	25	22.19	22.10	22.13				
10	64QAM	1	25	22.08	22.15	22.11				
10	64QAM	26	0	22.04	21.88	21.99				
10	64QAM	26	12	22.16	22.12	22.03				
10	64QAM	26	25	22.16	22.05	22.05			23	0
10	256QAM	1	0	22.05	22.05	22.11				
10	256QAM	1	25	20.31	20.33	20.33				
10	256QAM	1	25	20.29	20.25	20.37			22	1
10	256QAM	1	49	20.37	20.33	20.24				
10	256QAM	26	20	20.30	20.30	20.30				
10	256QAM	26	12	20.27	20.31	20.38			22	1
10	256QAM	26	25	20.40	20.30	20.47				
10	256QAM	26	25	20.40	20.30	20.47				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.29	22.23	22.25				
5	QPSK	1	12	22.26	22.14	22.20			23	0
5	QPSK	1	25	22.24	22.24	22.17				
5	QPSK	12	0	22.03	22.24	22.03				
5	QPSK	12	7	22.05	22.21	22.18			23	0
5	QPSK	12	13	22.10	22.12	22.08				
5	QPSK	26	0	22.18	22.13	22.08				
5	16QAM	1	12	21.99	22.09	22.05				
5	16QAM	1	24	22.21	22.15	22.09				
5	16QAM	1	25	22.05	22.14	22.14				
5	16QAM	12	7	21.98	22.11	22.11				
5	16QAM	12	13	22.13	22.20	21.96				
5	64QAM	1	0	22.07	22.02	22.08				
5	64QAM	1	12	22.10	22.18	22.07			23	0
5	64QAM	1	25	22.07	22.14	22.14				
5	64QAM	12	13	22.08	21.98	22.04				
5	64QAM	26	0	22.07	21.91	22.09				
5	256QAM	1	0	20.50	20.50	20.51				
5	256QAM	1	12	20.35	20.35	20.41			22	1
5	256QAM	1	24	20.33	20.40	20.34				
5	256QAM	1	25	20.38	20.38	20.23				
5	256QAM	12	7	20.35	20.53	20.43			22	1
5	256QAM	12	13	20.30	20.24	20.31				
5	256QAM	26	20	20.29	20.46	20.26			23	0



Band 38 HPUE_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPE (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	20.43	20.59	20.54	22.2	0			
20	QPSK	1	48	20.45	20.45	20.41					
20	QPSK	1	96	20.47	20.33	20.34					
20	QPSK	16	0	20.23	20.51	20.41	22.2	0			
20	QPSK	50	24	20.30	20.41	20.30					
20	QPSK	50	50	20.47	20.30	20.28					
20	QPSK	100	0	20.26	20.49	20.32	22.2	0			
20	16QAM	1	0	20.40	20.34	20.38					
20	16QAM	1	48	20.40	20.32	20.29					
20	16QAM	16	0	20.27	20.43	20.38	22.2	0			
20	16QAM	50	0	20.30	20.27	20.38					
20	16QAM	50	24	20.30	20.33	20.26					
20	16QAM	100	0	20.32	20.32	20.31	22.2	0			
20	64QAM	1	0	20.46	20.20	20.22					
20	64QAM	1	96	20.46	20.34	20.24					
20	64QAM	16	0	20.37	20.26	20.20	22.2	0			
20	64QAM	50	24	20.32	20.42	20.31					
20	64QAM	50	50	20.35	20.27	20.29					
20	64QAM	100	0	20.48	20.26	20.26	22.2	0			
20	256QAM	1	0	18.80	18.90	18.71					
20	256QAM	1	48	18.90	18.84	18.82					
20	256QAM	1	96	18.90	18.89	18.71	20.5	1.7			
20	256QAM	16	0	18.81	18.91	18.70					
20	256QAM	50	24	18.93	18.93	18.82					
20	256QAM	50	50	18.82	18.85	18.85	20.5	1.7			
20	256QAM	100	0	18.73	18.86	18.75					
20	256QAM	100	0	18.73	18.86	18.75					
Channel											
Frequency (MHz)											
15	QPSK	1	0	20.38	20.53	20.54	22.2	0			
15	QPSK	1	48	20.41	20.46	20.38					
15	QPSK	1	96	20.48	20.28	20.37					
15	QPSK	16	0	20.23	20.55	20.43	22.2	0			
15	QPSK	50	24	20.34	20.45	20.29					
15	QPSK	50	50	20.50	20.34	20.24					
15	QPSK	75	0	20.20	20.50	20.34	22.2	0			
15	16QAM	1	0	20.37	20.39	20.37					
15	16QAM	1	37	20.45	20.35	20.32					
15	16QAM	16	0	20.30	20.22	20.33	22.2	0			
15	16QAM	36	0	20.30	20.31	20.24					
15	16QAM	36	20	20.30	20.30	20.24					
15	16QAM	75	0	20.32	20.38	20.34	22.2	0			
15	64QAM	1	0	20.41	20.21	20.26					
15	64QAM	1	37	20.25	20.43	20.28					
15	64QAM	1	74	20.49	20.33	20.29	22.2	0			
15	64QAM	16	0	20.32	20.25	20.25					
15	64QAM	36	20	20.32	20.42	20.33					
15	64QAM	36	36	20.31	20.27	20.34	22.2	0			
15	64QAM	75	0	20.45	20.29	20.52					
15	256QAM	1	0	18.78	18.88	18.64					
15	256QAM	1	37	18.89	18.99	18.81	20.5	1.7			
15	256QAM	1	74	18.89	18.89	18.81					
15	256QAM	16	0	18.77	18.84	18.71					
Channel											
Frequency (MHz)											
10	QPSK	1	0	20.39	20.56	20.54	22.2	0			
10	QPSK	1	25	20.43	20.40	20.45					
10	QPSK	1	48	20.47	20.35	20.28					
10	QPSK	25	0	20.21	20.47	20.39	22.2	0			
10	QPSK	25	12	20.43	20.36	20.30					
10	QPSK	25	25	20.45	20.33	20.29					
10	QPSK	50	0	20.28	20.43	20.33	22.2	0			
10	16QAM	1	0	20.38	20.35	20.33					
10	16QAM	1	25	20.40	20.38	20.34					
10	16QAM	1	48	20.38	20.48	20.41	22.2	0			
10	16QAM	16	0	20.33	20.32	20.43					
10	16QAM	25	12	20.31	20.31	20.29					
10	16QAM	25	25	20.38	20.30	20.52	22.2	0			
10	16QAM	50	0	20.38	20.37	20.30					
10	64QAM	1	0	20.48	20.22	20.23	22.2	0			
10	64QAM	1	25	20.25	20.49	20.29					
10	64QAM	1	48	20.45	20.38	20.23					
10	64QAM	25	0	20.33	20.28	20.26	22.2	0			
10	64QAM	25	12	20.34	20.40	20.36					
10	64QAM	25	25	20.38	20.25	20.31					
10	64QAM	50	0	20.44	20.28	20.23	22.2	0			
10	256QAM	1	0	18.82	18.84	18.65					
10	256QAM	1	25	18.92	18.88	18.85					
10	256QAM	1	48	18.86	18.89	18.88	20.5	1.7			
10	256QAM	25	0	18.79	18.91	18.71					
10	256QAM	25	12	18.96	18.92	18.83					
10	256QAM	25	25	18.76	18.84	18.66	20.5	1.7			
10	256QAM	50	0	18.76	18.86	18.77					
10	256QAM	50	0	18.76	18.86	18.77					
10	256QAM	50	0	18.76	18.86	18.77					
10	256QAM	50	0	18.76	18.86	18.77					
Channel											
Frequency (MHz)											
5	QPSK	1	0	20.37	20.52	20.58	22.2	0			
5	QPSK	1	12	20.43	20.40	20.40					
5	QPSK	1	24	20.41	20.35	20.34					
5	QPSK	12	0	20.26	20.54	20.39	22.2	0			
5	QPSK	12	7	20.29	20.42	20.34					
5	QPSK	12	13	20.52	20.28	20.23					
5	QPSK	25	0	20.23	20.44	20.35	22.2	0			
5	16QAM	1	0	20.36	20.37	20.40					
5	16QAM	1	12	20.36	20.34	20.33					
5	16QAM	1	24	20.26	20.42	20.39	22.2	0			
5	16QAM	12	7	20.33	20.37	20.30					
5	16QAM	12	13	20.29	20.29	20.28	22.2	0			
5	64QAM	1	0	20.46	20.20	20.22					
5	64QAM	1	24	20.45	20.30	20.25					
5	64QAM	12	0	20.26	20.29	20.22	22.2	0			
5	64QAM	12	7	20.32	20.32	20.28					
5	64QAM	12	13	20.29	20.29	20.30					
5	64QAM	25	0	20.50	20.27	20.39	22.2	0			
5	64QAM	25	7	20.38	20.45	20.34					
5	64QAM	25	13	20.44	20.31	20.27					
5	256QAM	1	0	18.86	18.91	18.77	20.5	1.7			
5	256QAM	1	12	18.91	18.86	18.86					
5	256QAM	1	24	18.84	18.89	18.74					
5	256QAM	12	0	17.84	18.94	18.83	20.5	1.7			
5	256QAM	12	7	18.82	18.85	18.85					
5	256QAM	12	13	18.72	18.85	18.76					



Band 41 HPUE_Ant 0																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mode Ch./Freq.	Power Low Mode Ch./Freq.	Power High Mode Ch./Freq.	Power High Mode Ch./Freq.	Power High Mode Ch./Freq.	Turn-up time (min)	MPR (dB)						
Channel																
Frequency (MHz)																
20	QPSK	1	0	22.30	22.32	22.35	22.36	22.29	23	0						
20	QPSK	1	49	22.22	22.21	22.26	22.12	22.29								
20	QPSK	1	99	22.21	22.23	22.23	22.29	22.23								
20	QPSK	50	0	22.19	22.22	22.24	22.14	22.19	23	0						
20	QPSK	50	24	22.14	22.11	22.02	22.13	22.15								
20	QPSK	50	50	22.08	22.14	22.11	22.09	22.12								
20	QPSK	100	0	22.09	22.10	22.21	22.09	22.10	23	0						
20	16QAM	1	0	22.10	22.27	22.04	22.09	22.11								
20	16QAM	1	49	22.23	22.15	22.15	22.12	22.12								
20	16QAM	50	0	22.11	22.26	22.08	22.15	22.13	23	0						
20	16QAM	50	0	22.24	22.10	22.04	22.25	22.09								
20	16QAM	50	24	22.11	22.19	22.13	22.15	22.13								
20	16QAM	50	50	22.14	22.14	22.24	22.24	22.16	23	0						
20	16QAM	100	0	22.19	22.11	22.08	22.12	22.24								
20	64QAM	1	0	22.14	22.15	22.12	22.04	22.16								
20	64QAM	1	49	22.25	22.16	22.07	22.09	22.19	23	0						
20	64QAM	1	99	22.25	22.15	22.09	22.20	22.15								
20	64QAM	50	0	22.06	22.07	22.11	22.19	22.22								
20	64QAM	50	24	22.05	22.23	22.17	22.14	22.15	23	0						
20	64QAM	50	50	22.15	22.14	22.11	22.18	22.17								
20	64QAM	100	0	22.12	22.13	22.30	22.07	22.19								
20	256QAM	1	0	20.21	20.24	20.40	20.53	20.57	22	1						
20	256QAM	1	49	20.19	20.14	20.35	20.48	20.52								
20	256QAM	1	99	20.25	20.09	20.41	20.44	20.59								
20	256QAM	50	0	20.48	20.33	20.48	20.58	20.70	22	1						
20	256QAM	50	24	20.44	20.28	20.54	20.66	20.84								
20	256QAM	50	50	20.38	20.20	20.54	20.54	20.74								
20	256QAM	100	0	20.35	20.29	20.41	20.64	20.64	23	0						
Channel																
Frequency (MHz)																
15	QPSK	1	0	22.23	22.25	22.18	22.18	22.18	23.00	0						
15	QPSK	1	39	22.13	22.21	22.18	22.05	22.18								
15	QPSK	1	74	22.14	22.14	22.09	22.19	22.12								
15	QPSK	36	0	22.05	22.13	22.15	22.07	22.09	23	0						
15	QPSK	36	26	22.02	22.04	22.01	22.02	22.03								
15	QPSK	36	36	21.97	22.00	22.05	21.98	22.06								
15	QPSK	75	0	21.96	22.10	22.10	22.02	21.91	23	0						
15	16QAM	1	0	22.01	22.19	21.89	22.02	22.04								
15	16QAM	1	37	22.15	22.08	22.01	22.07	22.05								
15	16QAM	36	0	22.09	22.18	21.94	22.07	21.97	23	0						
15	16QAM	36	74	22.17	21.94	21.94	22.17	21.95								
15	16QAM	36	20	21.95	22.13	22.03	21.99	21.97								
15	16QAM	75	0	22.07	21.94	21.96	22.09	22.04	23	0						
15	16QAM	75	0	22.03	22.07	21.96	22.13	22.02								
15	64QAM	1	39	22.12	22.03	22.01	21.99	22.01								
15	64QAM	1	74	22.09	22.02	21.89	22.15	22.04	23	0						
15	64QAM	36	0	21.96	21.91	22.02	22.10	22.15								
15	64QAM	36	26	21.99	22.13	22.05	22.05	22.01								
15	64QAM	36	36	22.06	22.02	21.96	22.06	22.07	23	0						
15	64QAM	75	0	22.00	22.08	22.05	21.94	22.10								
15	256QAM	1	0	20.95	20.11	20.35	20.48	20.55								
15	256QAM	1	37	20.95	20.09	20.27	20.37	20.38	22	1						
15	256QAM	1	74	20.92	20.12	20.33	20.45	20.54								
15	256QAM	36	0	20.35	20.24	20.43	20.45	20.54								
15	256QAM	36	20	20.31	20.17	20.42	20.57	20.48	22	1						
15	256QAM	36	26	21.90	20.08	20.45	20.42	20.59								
15	256QAM	75	0	20.29	20.14	20.33	20.49	20.47								
Channel																
Frequency (MHz)																
10	QPSK	1	0	22.17	22.17	22.22	22.16	22.22	23.00	0						
10	QPSK	1	25	22.07	22.25	22.21	21.96	22.17								
10	QPSK	1	49	22.15	22.15	22.17	22.23	22.11								
10	QPSK	25	0	22.02	22.16	22.17	22.05	22.09	23	0						
10	QPSK	25	0	22.04	22.19	21.94	22.09	22.01								
10	QPSK	25	25	21.92	22.09	21.96	22.05	22.00								
10	QPSK	50	0	22.04	22.03	22.05	22.03	22.01	23	0						
10	16QAM	1	26	22.03	22.15	22.00	22.03	22.05								
10	16QAM	1	26	22.10	22.08	22.09	22.09	22.05								
10	16QAM	1	49	21.98	22.12	21.96	22.04	22.01	23	0						
10	16QAM	25	0	22.13	22.05	21.94	22.19	21.95								
10	16QAM	25	12	21.98	22.10	22.05	22.08	21.97								
10	16QAM	25	25	21.99	22.02	22.16	22.06	22.09	23	0						
10	16QAM	50	0	22.08	22.00	21.92	22.01	22.08								
10	64QAM	1	0	22.02	22.05	21.96	22.11	22.07								
10	64QAM	1	26	22.11	22.05	21.95	22.05	22.06	23	0						
10	64QAM	1	49	22.13	22.00	21.97	22.12	22.09								
10	64QAM	25	0	21.97	21.94	21.96	22.08	22.07								
10	64QAM	25	12	21.90	22.12	22.01	21.99	22.10	23	0						
10	64QAM	50	0	22.02	22.02	21.97	22.03	22.04								
10	256QAM	1	0	20.12	20.12	20.33	20.45	20.54								
10	256QAM	1	26	20.10	20.04	20.30	20.40	20.45	22	1						
10	256QAM	1	49	20.11	20.08	20.34	20.26	20.50								
10	256QAM	25	0	20.30	20.20	20.35	20.45	20.54								
10	256QAM	25	12	20.30	20.21	20.42	20.59	20.48	22	1						
10	256QAM	25	25	20.29	20.04	20.44	20.44	20.69								
10	256QAM	50	0	20.26	20.16	20.34	20.49	20.45								
Channel																
Frequency (MHz)																
5	QPSK	1	0	22.15	22.19	22.27	22.24	22.15	23.00	0						
5	QPSK	1	12	22.11	22.24	22.19	22.03	22.21								
5	QPSK	1	24	22.08	22.15	22.17	22.15	22.10								
5	QPSK	12	0	22.08	22.17	22.12	21.98	22.00	23	0						
5	QPSK	12	7	21.99	21.95	21.95	21.95	22.04								
5	QPSK	12	13	21.92	22.04	22.04	21.97	22.05	23	0						
5	QPSK	25	0	22.00	22.08	22.15	21.99	22.11								
5	16QAM	1	25	22.11	22.17	22.01	22.15	22.05								
5	16QAM	1	12	22.13	22.03	22.02	22.04	21.99	23	0						
5	16QAM	1	24	22.04	22.18	21.83	22.04	22.05								
5	16QAM	1	25	22.10	22.18	22.01	22.19	22.10								
5	16QAM	12	7	22.06	22.03	22.02	22.09	22.07	23	0						
5	16QAM	12	13	22.06	22.06	22.02	22.09	22.04								
5	16QAM	25	0	22.09	22.04	22.02	22.09	22.13								
5	64QAM	1	0	22.01	22.10	22.02	22.08	22.05	23	0						
5	64QAM	1	12	22.13	22.02	21.95	22.10	21.98								
5	64QAM	1	24	22.10	22.09	21.99	22.12	22.08								
5	64QAM	12	0	22.01	21.93	21.89	22.11	22.08	23	0						
5	64QAM	12	7	21.99	22.08	22.01	22.10	22.05								
5	64QAM	12	13	22.05	22.06	21.98	22.07	22.03								
5	64QAM	25	0	21.97	21.99	22.07	21.99	22.03	23	0						
5	256QAM	1	0	20.09	20.12	20.32	20.44	20.53								
5	256QAM	1	12	20.08	20.09	20.28	20.36	20.45								
5	256QAM	1	24	20.07	20.10	20.30	20.39	20.50	22	1						
5	256QAM	12	0	20.43	20.25	20.39	20.44	20.55								
5	256QAM	12	7	20.35	20.21	20.44	20.53	20.62								
5	256QAM	12	13	20.27	20.06	20.34	20.44	20.52	22	1						
5	256QAM	25	0	20.10	20.15	20.33	20.54	20.46								



Reduced Power for DSI 3-Simultaneous

GSM1500_Av 5 TX Channel	Base Average Power (dBm)			Time-up Limit (min)	Frame Average Power (dBm)			Time-up Limit (min)
	1500	1700	2001		1500	1700	2001	
Frequency (MHz)	151.2	171.2	181.2		151.2	171.2	181.2	
GSM 1 TX limit	32.25	31.23	32.25	33.00	31.25	22.23	31.25	34.00
OPRS 1 TX limit	32.12	31.02	32.38	33.00	23.13	22.02	23.38	34.00
OPRS 2 TX limit	30.31	29.26	30.38	31.00	24.31	23.05	24.38	29.00
OPRS 3 TX limit	29.43	28.31	29.00	29.00	24.17	24.25	24.33	29.34
OPRS 4 TX limit	29.01	28.04	29.75	29.00	23.81	23.04	23.75	29.00
EDGE 1 TX limit	29.00	29.01	29.00	27.00	17.00	16.01	16.00	18.00
EDGE 2 TX limit	24.01	24.22	24.79	26.00	18.01	18.22	18.79	26.00
EDGE 3 TX limit	23.50	23.29	23.50	24.00	18.29	18.23	18.25	26.34
EDGE 4 TX limit	21.00	21.01	21.00	23.00	18.00	18.01	18.00	26.00

GSM1500_Av 5 TX Channel	Base Average Power (dBm)			Time-up Limit (min)	Frame Average Power (dBm)			Time-up Limit (min)
	1500	1700	1800		1500	1700	1800	
Frequency (MHz)	1500.2	1699.8	1800.2		1500.2	1699.8	1800.2	
GSM 1 TX limit	28.16	26.09	26.16	26.00	17.16	17.03	16.16	17.00
OPRS 1 TX limit	28.16	26.09	26.16	26.00	17.16	17.03	16.16	17.00
OPRS 2 TX limit	25.06	22.78	22.83	23.00	16.06	16.75	16.83	17.00
OPRS 3 TX limit	25.03	23.02	25.33	21.00	16.77	16.31	16.07	17.14
OPRS 4 TX limit	19.15	18.45	19.07	20.00	16.15	16.45	16.07	17.20
EDGE 1 TX limit	25.00	25.00	25.07	26.00	16.00	16.00	16.07	17.00
EDGE 2 TX limit	22.00	22.22	22.78	23.00	16.20	16.22	16.78	17.00
EDGE 3 TX limit	20.32	20.52	20.38	21.00	16.02	16.06	16.16	17.04
EDGE 4 TX limit	18.25	19.50	19.42	20.00	16.28	16.50	16.42	17.00

TX Channel	WCDMA 8_Av 8			Time-up Limit (min)	WCDMA 12_Av 8			Time-up Limit (min)	WCDMA 17_Av 8			Time-up Limit (min)	
	8862	8900	8938		1812	1818	1824		4134	4136	4220		
Frequency (MHz)	8862.0	8900.0	8938.0		1812.0	1818.0	1824.0		4134.0	4136.0	4220.0		
ISPP-Rail-0	ANR 12 20ms	17.01	17.33	16.91	16.00	16.80	17.13	17.17	16.00	23.04	23.11	23.01	24.00
ISPP-Rail-0	RNC 12 20ms	17.08	17.45	16.93	16.00	17.01	17.31	17.30	16.00	23.05	23.12	23.02	24.00
ISPP-Rail-0	HS-PA Subslot 1	16.10	16.36	16.01	17.00	16.04	16.27	16.30	17.00	21.06	22.01	21.06	23.00
ISPP-Rail-0	HS-PA Subslot 2	16.12	16.28	15.88	17.00	16.09	16.03	16.30	17.00	21.06	22.01	21.07	23.00
ISPP-Rail-0	HS-PA Subslot 3	15.95	15.91	15.91	16.00	15.95	15.98	15.79	16.00	21.30	21.56	21.40	22.00
ISPP-Rail-0	HS-PA Subslot 4	15.80	15.88	15.95	16.00	15.58	15.77	15.90	16.00	21.43	21.55	21.47	22.00
ISPP-Rail-0	DC-HSPA Subslot 1	16.30	16.30	16.10	17.00	16.00	16.00	16.25	17.00	21.06	21.09	21.06	23.00
ISPP-Rail-0	DC-HSPA Subslot 2	16.30	16.40	15.92	17.00	16.02	15.90	16.27	17.00	21.06	21.08	21.06	23.00
ISPP-Rail-0	DC-HSPA Subslot 3	16.78	15.94	15.93	16.00	15.51	15.74	15.84	16.00	21.30	21.55	21.44	22.00
ISPP-Rail-0	DC-HSPA Subslot 4	15.40	15.40	15.47	16.00	15.40	15.40	15.77	16.00	21.43	21.36	21.41	22.00
ISPP-Rail-0	HSPA Subslot 1	16.00	16.44	16.03	17.00	15.06	16.19	16.37	17.00	21.05	22.04	21.02	23.00
ISPP-Rail-0	HSPA Subslot 2	14.14	14.27	14.10	15.00	13.04	14.21	14.29	16.00	19.00	20.00	19.00	21.00
ISPP-Rail-0	HSPA Subslot 3	15.13	15.29	14.97	16.00	15.00	15.29	15.33	16.00	20.95	21.00	20.93	22.00
ISPP-Rail-0	HSPA Subslot 4	14.04	14.21	14.03	15.00	13.03	14.10	14.39	16.00	19.97	19.99	19.93	21.00
ISPP-Rail-0	HSPA Subslot 5	15.15	15.37	15.10	17.00	14.80	16.31	16.39	17.00	21.90	22.02	21.90	23.00



Band 2_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power (mW) Ch. 1 / Freq.	Power (mW) Ch. 2 / Freq.	Power (mW) Ch. 3 / Freq.	Turn-on time (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	16.37	16.62	16.36			
20	QPSK	1	4	16.29	16.57	16.36			
20	QPSK	1	8	16.36	16.62	16.36			
20	QPSK	1	12	16.29	16.57	16.36			
20	QPSK	1	16	16.36	16.62	16.36			
20	QPSK	1	20	16.29	16.57	16.36			
20	QPSK	50	50	16.33	16.33	16.17			
20	QPSK	100	0	16.37	16.62	16.27			
20	QPSK	100	50	16.38	16.57	16.24			
20	16QAM	1	48	16.42	16.57	16.21	18	0	
20	16QAM	50	50	16.38	16.50	16.49			
20	16QAM	50	50	16.29	16.57	16.36			
20	16QAM	50	24	16.42	16.50	16.26			
20	16QAM	50	50	16.40	16.50	16.51			
20	16QAM	100	0	16.39	16.50	16.37			
20	16QAM	1	0	16.39	16.50	16.26			
20	16QAM	1	48	16.47	16.54	16.36			
20	16QAM	1	50	16.31	16.57	16.39			
20	16QAM	50	0	16.27	16.50	16.39			
20	16QAM	50	24	16.38	16.71	16.51			
20	16QAM	50	50	16.42	16.50	16.29			
20	256QAM	1	48	16.58	16.53	16.15			
20	256QAM	1	50	16.27	16.34	16.23			
20	256QAM	1	52	16.42	16.62	16.26			
20	256QAM	50	24	16.27	16.34	16.24			
20	256QAM	50	50	16.28	16.29	16.08			
20	256QAM	100	0	16.31	16.50	16.23			
Channel									
Frequency (MHz)									
15	QPSK	1	0	16.40	16.62	16.41			
15	QPSK	1	24	16.05	16.64	16.30			
15	QPSK	1	74	16.34	16.64	16.33			
15	QPSK	36	0	16.30	16.71	16.30			
15	QPSK	36	16	16.26	16.49	16.32			
15	QPSK	36	36	16.28	16.28	16.14			
15	QPSK	75	0	16.39	16.62	16.21			
15	16QAM	1	48	16.28	16.50	16.26			
15	16QAM	1	37	16.34	16.43	16.14			
15	16QAM	36	74	16.17	16.43	16.27			
15	16QAM	36	20	16.33	16.26	16.11			
15	16QAM	75	0	16.30	16.50	16.21			
15	16QAM	1	0	16.34	16.50	16.13			
15	16QAM	1	36	16.28	16.50	16.16			
15	16QAM	1	74	16.10	16.43	16.25			
15	16QAM	36	0	16.12	16.37	16.23			
15	16QAM	36	16	16.12	16.49	16.14			
15	16QAM	36	36	16.27	16.40	16.17			
15	16QAM	75	0	16.18	16.45	16.12			
15	256QAM	1	37	16.03	16.27	16.05			
15	256QAM	1	74	16.22	16.27	16.12			
15	256QAM	36	16	16.05	16.21	16.06			
15	256QAM	36	20	16.19	16.29	16.14			
15	256QAM	36	36	16.15	16.13	16.05			
15	256QAM	75	0	16.15	16.25	16.10			
Channel									
Frequency (MHz)									
10	QPSK	1	0	16.40	16.62	16.41			
10	QPSK	1	24	16.14	16.62	16.35			
10	QPSK	1	48	16.36	16.48	16.40			
10	QPSK	1	72	16.03	16.63	16.34			
10	QPSK	24	12	16.28	16.50	16.32			
10	QPSK	24	25	16.31	16.31	16.17			
10	QPSK	32	16	16.26	16.49	16.26			
10	16QAM	1	0	16.29	16.50	16.21			
10	16QAM	1	24	16.37	16.48	16.13			
10	16QAM	24	16	16.23	16.50	16.26			
10	16QAM	24	25	16.21	16.43	16.27			
10	16QAM	25	12	16.37	16.33	16.17			
10	16QAM	25	16	16.03	16.50	16.37			
10	16QAM	50	0	16.24	16.50	16.32			
10	16QAM	1	0	16.25	16.36	16.12			
10	16QAM	1	32	16.11	16.49	16.32			
10	16QAM	1	48	16.18	16.49	16.27			
10	16QAM	25	0	16.12	16.40	16.33			
10	16QAM	25	16	16.43	16.25	16.46			
10	16QAM	25	25	16.28	16.44	16.18			
10	16QAM	50	0	16.19	16.43	16.17			
10	16QAM	50	16	16.10	16.37	16.23			
10	256QAM	1	24	16.03	16.24	16.02			
10	256QAM	1	48	16.13	16.24	16.12			
10	256QAM	1	72	16.03	16.27	16.13			
10	256QAM	12	16	16.27	16.48	16.25			
10	256QAM	25	0	16.27	16.58	16.28			
10	256QAM	1	0	16.30	16.36	16.20			
10	256QAM	1	32	16.12	16.48	16.25			
10	256QAM	1	24	16.20	16.44	16.23			
10	256QAM	12	0	16.22	16.45	16.22			
10	256QAM	12	16	16.49	16.35	16.45			
10	256QAM	12	18	16.33	16.49	16.17			
10	256QAM	25	0	16.22	16.51	16.12			
10	256QAM	25	16	16.08	16.47	16.29			
10	256QAM	1	12	16.03	16.17	16.09			
10	256QAM	1	24	16.22	16.22	16.17			
10	256QAM	12	12	16.04	16.35	16.19			
10	256QAM	12	7	16.12	16.27	16.13			
10	256QAM	12	18	16.19	16.16	16.05			
10	256QAM	12	19	16.19	16.16	16.05			
Channel									
Frequency (MHz)									
5	QPSK	1	0	16.40	16.62	16.41			
5	QPSK	1	12	16.12	16.50	16.44			
5	QPSK	1	24	16.34	16.46	16.37			
5	QPSK	12	12	16.37	16.47	16.36			
5	QPSK	12	18	16.30	16.48	16.37			
5	QPSK	12	18	16.29	16.37	16.14			
5	QPSK	12	18	16.33	16.54	16.32			
5	16QAM	1	0	16.24	16.44	16.26			
5	16QAM	1	12	16.34	16.44	16.07			
5	16QAM	1	12	16.33	16.57	16.36			
5	16QAM	12	0	16.24	16.38	16.23			
5	16QAM	12	7	16.38	16.36	16.10			
5	16QAM	12	18	16.27	16.48	16.25			
5	16QAM	25	0	16.27	16.58	16.28			
5	16QAM	1	0	16.30	16.36	16.20			
5	16QAM	1	12	16.12	16.48	16.25			
5	16QAM	1	24	16.20	16.44	16.23			
5	16QAM	12	0	16.22	16.45	16.22			
5	16QAM	12	16	16.49	16.35	16.45			
5	16QAM	12	18	16.33	16.49	16.17			
5	16QAM	25	0	16.22	16.51	16.12			
5	16QAM	25	16	16.08	16.47	16.29			
5	256QAM	1	12	16.03	16.17	16.09			
5	256QAM	1	24	16.22	16.22	16.17			
5	256QAM	12	12	16.04	16.35	16.19			
5	256QAM	12	7	16.12	16.27	16.13			
5	256QAM	12	18	16.19	16.16	16.05			
5	256QAM	12	19	16.19	16.16	16.05			
Channel									
Frequency (MHz)									
3	QPSK	1	0	16.36	16.70	16.39			
3	QPSK	1	8	16.15	16.57	16.45			
3	QPSK	1	14	16.30	16.46	16.36			
3	QPSK	1	22	16.37	16.46	16.39			
3	QPSK	8	4	16.25	16.47	16.33			
3	QPSK	8	7	16.31	16.30	16.20			
3	QPSK	8	7	16.38	16.15	16.24			
3	16QAM	1	0	16.25	16.50	16.26			
3	16QAM	1	8	16.27	16.43	16.10			
3	16QAM	8	4	16.30	16.49	16.35			
3	16QAM	8	4	16.22	16.37	16.39			
3	16QAM	8	4	16.30	16.20	16.15			
3	16QAM	1	0	16.32	16.50	16.20			
3	16QAM	1	14	16.42	16.50	16.25			
3	16QAM	1	14	16.23	16.48	16.25			
3	16QAM	8	7	16.11	16.49	16.24			
3	16QAM	8	7	16.50	16.42	16.37			
3	16QAM	8	7	16.28	16.40	16.20			
3	256QAM	1	8	16.28	16.40	16.20			
3	256QAM	1	0	16.13	16.37	16.39			
3	256QAM	8	4	16.34	16.55	16.25			
3	256QAM	1	0	16.32	16.50	16.20			
3	256QAM	1	14	16.42	16.50	16.25			
3	256QAM	1	14	16.23	16.48	16.25			
3	256QAM	8	7	16.11	16.49	16.24			
3	256QAM	8	7	16.50	16.42	16.37			
3	256QAM	8	7	16.28	16.40	16.20			
3	256QAM	15	0	16.05	16.22	16.08			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	16.37	16.64	16.38			
1.4	QPSK	1	8	16.14	16.56	16.49			
1.4	QPSK	1	5	16.39	16.44	16.33			
1.4	QPSK	3	0	16.31	16.72	16.39			
1.4	QPSK	3	3	16.33	16.27	16.19			
1.4	QPSK	6	0	16.38	16.54	16.32			
1.4	QPSK	3	3	16.33	16.27	16.19			
1.4	16QAM	1	3	16.35	16.43	16.15			
1.4	16QAM	1	5	16.22	16.62	16.39			
1.4	16QAM	3	1	16.31	16.30	16.18			
1.4	16QAM	3	1	16.31	16.30	16.18			
1.									



Band 5_Ant 0														
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Max Ch / Freq	Power Min Ch / Freq	Power Avg Ch / Freq	Turn-on rate (dB)	MFR (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.48	22.56	22.53	24	0						
15	QPSK	1	25	22.43	22.49	22.47								
15	QPSK	1	49	22.40	22.31	22.43								
15	QPSK	25	0	21.48	21.63	21.62	23	1						
15	QPSK	25	12	21.48	21.60	21.53								
15	QPSK	25	25	21.49	21.54	21.48								
15	QPSK	50	0	21.47	21.60	21.52	23	1						
15	QPSK	50	12	21.51	21.75	21.65								
15	QPSK	50	25	22.11	21.77	21.84								
15	16QAM	1	25	22.11	21.77	21.84	22	2						
15	16QAM	1	49	21.83	21.66	21.66								
15	16QAM	1	73	20.44	20.38	20.48								
15	16QAM	25	12	20.51	20.51	20.52	21	3						
15	16QAM	25	25	20.49	20.66	20.61								
15	16QAM	25	50	20.50	20.51	20.50								
15	64QAM	1	26	20.59	20.59	20.64	22	2						
15	64QAM	1	50	20.57	20.56	20.52								
15	64QAM	1	79	20.79	20.32	20.26								
15	64QAM	25	0	19.32	19.49	19.40	21	3						
15	64QAM	25	12	19.50	19.55	19.54								
15	64QAM	25	25	19.48	19.59	19.40								
15	64QAM	50	0	19.57	19.50	19.37	19	5						
15	64QAM	50	12	17.86	17.94	17.86								
15	64QAM	50	25	17.85	18.00	17.94								
15	256QAM	1	49	17.87	17.86	17.94	19	5						
15	256QAM	1	73	17.86	17.86	17.78								
15	256QAM	25	12	17.85	17.89	18.01								
15	256QAM	25	25	17.88	17.82	17.91	19	5						
15	256QAM	50	12	17.87	17.86	17.85								
15	256QAM	50	25	17.85	17.85	17.85								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.41	22.33	22.37	24	0						
15	QPSK	1	12	22.20	22.40	22.29								
15	QPSK	1	49	22.29	22.34	22.45								
15	QPSK	12	0	21.51	21.47	21.48	23	1						
15	QPSK	12	12	21.38	21.49	21.45								
15	QPSK	12	19	21.36	21.59	21.48								
15	QPSK	25	0	21.43	21.46	21.49	23	1						
15	QPSK	25	12	21.70	21.80	21.81								
15	QPSK	25	25	21.70	22.09	21.89								
15	16QAM	1	24	21.60	21.60	21.48	22	2						
15	16QAM	1	49	20.48	20.58	20.47								
15	16QAM	1	73	20.58	20.54	20.48								
15	16QAM	12	19	20.56	20.52	20.48	21	3						
15	16QAM	12	19	20.56	20.52	20.48								
15	16QAM	25	0	20.39	20.42	20.43								
15	64QAM	1	12	21.85	21.38	21.49	22	2						
15	64QAM	1	24	21.57	21.51	21.55								
15	64QAM	1	49	21.25	21.42	21.60								
15	64QAM	12	7	20.26	20.35	20.39	21	3						
15	64QAM	12	19	20.36	20.40	20.32								
15	64QAM	12	19	20.35	20.42	20.52								
15	64QAM	25	0	20.26	20.38	20.42	19	5						
15	64QAM	25	12	17.75	17.89	17.81								
15	256QAM	1	24	17.80	17.87	17.81								
15	256QAM	1	49	17.86	17.86	17.86	19	5						
15	256QAM	12	7	17.78	17.79	17.94								
15	256QAM	12	13	17.83	17.79	17.81								
15	256QAM	25	12	17.82	17.80	17.78	24	0						
15	256QAM	25	25	22.25	22.48	22.31								
15	256QAM	25	50	22.28	22.47	22.24								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.41	22.33	22.37	24	0						
15	QPSK	1	12	22.20	22.40	22.29								
15	QPSK	1	49	22.29	22.34	22.45								
15	QPSK	12	0	21.51	21.47	21.48	23	1						
15	QPSK	12	12	21.38	21.49	21.45								
15	QPSK	12	19	21.36	21.59	21.48								
15	QPSK	25	0	21.43	21.46	21.49	23	1						
15	QPSK	25	12	21.70	21.80	21.81								
15	QPSK	25	25	21.70	22.09	21.89								
15	16QAM	1	24	21.60	21.60	21.48	22	2						
15	16QAM	1	49	20.48	20.58	20.47								
15	16QAM	1	73	20.58	20.54	20.48								
15	16QAM	12	19	20.56	20.52	20.48	21	3						
15	16QAM	12	19	20.56	20.52	20.48								
15	16QAM	25	0	20.39	20.42	20.43								
15	64QAM	1	12	21.85	21.38	21.49	22	2						
15	64QAM	1	24	21.57	21.51	21.55								
15	64QAM	1	49	21.25	21.42	21.60								
15	64QAM	12	7	20.26	20.35	20.39	21	3						
15	64QAM	12	19	20.36	20.40	20.32								
15	64QAM	12	19	20.35	20.42	20.52								
15	64QAM	25	0	20.26	20.38	20.42	19	5						
15	64QAM	25	12	17.75	17.89	17.81								
15	256QAM	1	24	17.80	17.87	17.81								
15	256QAM	1	49	17.86	17.86	17.86	19	5						
15	256QAM	12	7	17.78	17.79	17.94								
15	256QAM	12	13	17.83	17.79	17.81								
15	256QAM	25	12	17.82	17.80	17.78	24	0						
15	256QAM	25	25	22.25	22.48	22.31								
15	256QAM	25	50	22.28	22.47	22.24								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.41	22.33	22.37	24	0						
15	QPSK	1	12	22.20	22.40	22.29								
15	QPSK	1	49	22.29	22.34	22.45								
15	QPSK	12	0	21.51	21.47	21.48	23	1						
15	QPSK	12	12	21.38	21.49	21.45								
15	QPSK	12	19	21.36	21.59	21.48								
15	QPSK	25	0	21.43	21.46	21.49	23	1						
15	QPSK	25	12	21.70	21.80	21.81								
15	QPSK	25	25	21.70	22.09	21.89								
15	16QAM	1	24	21.60	21.60	21.48	22	2						
15	16QAM	1	49	20.48	20.58	20.47								
15	16QAM	1	73	20.58	20.54	20.48								
15	16QAM	12	19	20.56	20.52	20.48	21	3						
15	16QAM	12	19	20.56	20.52	20.48								
15	16QAM	25	0	20.39	20.42	20.43								
15	64QAM	1	12	21.85	21.38	21.49	22	2						
15	64QAM	1	24	21.57	21.51	21.55								
15	64QAM	1	49	21.25	21.42	21.60								
15	64QAM	12	7	20.26	20.35	20.39	21	3						
15	64QAM	12	19	20.36	20.40	20.32								
15	64QAM	12	19	20.35	20.42	20.52								
15	64QAM	25	0	20.26	20.38	20.42	19	5						
15	64QAM	25	12	17.75	17.89	17.81								
15	256QAM	1	24	17.80	17.87	17.81								
15	256QAM	1	49	17.86	17.86	17.86	19	5						
15	256QAM	12	7	17.78	17.79	17.94								
15	256QAM	12	13	17.83	17.79	17.81								
15	256QAM	25	12	17.82	17.80	17.78	24	0						
15	256QAM	25	25	22.25	22.48	22.31								
15	256QAM	25	50	22.28	22.47	22.24								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.41	22.33	22.37	24	0						
15	QPSK	1	12	22.20	22.40	22.29								
15	QPSK	1	49	22.29	22.34	22.45								
15	QPSK	12	0	21.51	21.47	21.48	23	1						
15	QPSK	12	12	21.38	21.49	21.45								
15	QPSK	12	19	21.36	21.59	21.48								
15	QPSK	25	0	21.43	21.46	21.49	23	1						
15	QPSK	25	12	21.70	21.80	21.81								
15	QPSK	25	25	21.70	22.09	21.89								
15	16QAM	1	24	21.60	21.60	21.48	22	2						
15	16QAM	1	49	20.48	20.58	20.47								
15	16QAM	1	73	20.58	20.54	20.48								
15	16QAM	12	19	20.56	20.52	20.48	21	3						
15	16QAM	12	19	20.56	20.52	20.48								
15	16QAM	25	0	20.39	20.42	20.43								
15	64QAM	1	12	21.85	21.38	21.49	22	2						
15	64QAM	1	24	21.57	21.51	21.55								
15	64QAM	1	49	21.25	21.42	21.60								
15	64QAM	12	7	20.26	20.35	20.39	21	3						
15	64QAM	12	19	20.36	20.40	20.32								
15	64QAM	12	19	20.35	20.42	20.52								
15	64QAM	25	0	20.26	20.38	20.42	19	5						
15	64QAM	25	12	17.75	17.89	17.81								
15	256QAM	1	24	17.80	17.87	17.81								
15	256QAM	1	49	17.86	17.86	17.86	19	5						
15	256QAM	12	7	17.78	17.79	17.94								
15	256QAM	12	13	17.83	17.79	17.81								
15	256QAM	25	12	17.82	17.80	17.78	24	0						
15	256QAM	25	25	22.25	22.48	22.31								
15	256QAM	25	50	22.28	22.47	22.24								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.41	22.33	22.37	24	0						
15	QPSK	1	12	22.20	22.40	22.29								
15	QPSK	1	49	22.29	22.34	22.45								
15	QPSK	12	0	21.51	21.47	21.48	23	1						
15	QPSK	12	12	21.38	21.49	21.45								
15	QPSK	12	19	21.36	21.59	21.48								
15	QPSK	25	0	21.43	21.46	21.49	23	1						
15	QPSK	25	12	21.70	21.80	21.81								
15	QPSK	25	25	21.70	22.09	21.89								
15	16QAM	1	24	21.60	21.60	21.48	22	2						
15	16QAM	1	49	20.48	20.58	20.47								
15	16QAM	1	73	20.58	20.54	20.48								
15	16QAM	12	19	20.56</										



Band 13_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq.	Power Mod Ch / Freq.	Power High Ch / Freq.	Turn-on Int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.60	22.60		24	0	
10	QPSK	1	25	22.64	22.64				
10	QPSK	1	49	22.58	22.58				
10	QPSK	25	0	21.68	21.68		23	1	
10	QPSK	25	12	21.60	21.60				
10	QPSK	25	25	21.60	21.60				
10	QPSK	50	0	21.54	21.54				
10	HQAM	1	0	21.73	21.73		23	1	
10	HQAM	1	25	22.10	22.10				
10	HQAM	1	49	21.82	21.82				
10	HQAM	25	0	20.52	20.52		22	2	
10	HQAM	25	12	20.57	20.57				
10	HQAM	25	25	20.62	20.62				
10	HQAM	50	0	20.57	20.57				
10	HQAM	1	0	20.81	20.81		22	2	
10	HQAM	1	25	20.92	20.92				
10	HQAM	1	49	20.89	20.89				
10	HQAM	25	0	19.85	19.85		21	3	
10	HQAM	25	12	19.84	19.84				
10	HQAM	25	25	19.83	19.83				
10	HQAM	50	0	19.56	19.56				
10	HQAM	1	0	18.04	18.04		19	5	
10	HQAM	1	25	18.05	18.05				
10	HQAM	1	49	18.11	18.11				
10	HQAM	25	0	17.91	17.91		19	5	
10	HQAM	25	12	18.00	18.00				
10	HQAM	25	25	17.97	17.97				
10	HQAM	50	0	17.81	17.81				
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.62	22.63	22.65	24	0	
5	QPSK	1	12	22.62	22.60	22.63			
5	QPSK	1	24	22.63	22.48	22.60			
5	QPSK	12	0	21.64	21.59	21.63	23	1	
5	QPSK	12	7	21.72	21.64	21.60			
5	QPSK	12	13	21.63	21.52	21.60			
5	QPSK	25	0	21.65	21.60	21.61	23	1	
5	HQAM	1	0	22.05	21.91	21.88			
5	HQAM	1	12	21.90	21.83	22.13			
5	HQAM	1	24	21.88	21.90	22.00	22	1	
5	HQAM	12	0	20.54	20.54	20.60			
5	HQAM	12	7	20.70	20.41	20.59			
5	HQAM	12	13	20.63	20.58	20.70			
5	HQAM	25	0	20.73	20.62	20.48			
5	HQAM	1	0	20.88	20.81	20.50	22	2	
5	HQAM	1	12	21.20	20.60	20.60			
5	HQAM	1	24	21.27	20.90	20.54			
5	HQAM	12	7	19.66	19.72	19.87	21	3	
5	HQAM	12	13	19.80	19.72	19.83			
5	HQAM	25	0	19.46	19.65	19.55			
5	HQAM	1	0	17.90	17.92	17.98	19	5	
5	HQAM	1	12	17.89	17.88	18.02			
5	HQAM	12	7	17.85	17.84	17.99			
5	HQAM	12	13	17.89	17.82	17.92			
5	HQAM	25	0	17.45	17.44	17.77			

Band 17_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq.	Power Mod Ch / Freq.	Power High Ch / Freq.	Turn-on Int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.71	22.77	22.74	24	0	
10	QPSK	1	25	22.66	22.76	22.70			
10	QPSK	1	49	22.55	22.48	22.64			
10	QPSK	25	0	21.68	21.72	21.70	23	1	
10	QPSK	25	12	21.67	21.69	21.70			
10	QPSK	25	25	21.64	21.65	21.67			
10	QPSK	50	0	21.75	21.78	21.77			
10	HQAM	1	0	22.00	21.93	21.64	23	1	
10	HQAM	1	25	21.60	21.78	22.25			
10	HQAM	1	49	21.72	21.95	22.30			
10	HQAM	25	0	20.86	20.88	20.85	22	2	
10	HQAM	25	12	20.85	20.87	20.87			
10	HQAM	25	25	20.87	20.91	20.85			
10	HQAM	50	0	20.89	20.82	20.86			
10	HQAM	1	0	20.62	20.65	20.86	22	2	
10	HQAM	1	25	20.90	21.03	20.46			
10	HQAM	1	49	20.80	20.63	21.06			
10	HQAM	25	0	19.73	19.71	19.65	21	3	
10	HQAM	25	12	19.77	19.81	19.72			
10	HQAM	25	25	19.58	19.82	19.81			
10	HQAM	50	0	19.67	19.79	19.55			
10	HQAM	1	0	18.04	18.06	18.04	19	5	
10	HQAM	1	25	18.05	18.09	18.12			
10	HQAM	1	49	18.07	18.05	18.09			
10	HQAM	25	0	18.03	18.03	18.08	19	5	
10	HQAM	25	12	18.08	18.02	18.03			
10	HQAM	25	25	18.01	18.06	18.03			
10	HQAM	50	0	18.05	18.02	18.01			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.72	22.70	22.74	24	0	
5	QPSK	1	12	22.61	22.69	22.71			
5	QPSK	1	24	22.64	22.46	22.67			
5	QPSK	12	0	21.75	21.79	21.79	23	1	
5	QPSK	12	7	21.80	21.76	21.83			
5	QPSK	12	13	21.75	21.76	21.79			
5	QPSK	25	0	21.75	21.78	21.76	23	1	
5	HQAM	1	0	22.08	22.10	22.11			
5	HQAM	1	12	22.10	22.21	22.13			
5	HQAM	1	24	22.01	22.11	22.09	22	2	
5	HQAM	12	0	20.83	20.81	20.84			
5	HQAM	12	7	20.83	20.77	20.85			
5	HQAM	12	13	20.72	20.80	20.78			
5	HQAM	25	0	20.80	20.75	20.75			
5	HQAM	1	0	20.86	20.93	20.95	22	2	
5	HQAM	1	12	20.85	20.84	20.94			
5	HQAM	1	24	20.51	20.92	20.93			
5	HQAM	12	0	19.77	19.83	19.84	21	3	
5	HQAM	12	7	19.85	19.79	19.90			
5	HQAM	12	13	19.75	19.81	19.82			
5	HQAM	25	0	19.78	19.81	19.82			
5	HQAM	1	0	17.89	17.90	17.90	19	5	
5	HQAM	1	12	17.98	17.93	18.05			
5	HQAM	1	24	17.93	17.99	17.93			
5	HQAM	12	0	17.92	17.90	17.92			
5	HQAM	12	7	17.95	17.94	17.95			
5	HQAM	12	13	17.87	17.95	17.87			
5	HQAM	25	0	17.87	17.89	17.86			

Band 25_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq.	Power Mod Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	16.73	16.91	16.76	18	0	
20	QPSK	1	48	16.55	16.42	16.68			
20	QPSK	1	96	16.68	16.23	16.83			
20	QPSK	50	0	16.53	16.77	16.57	18	0	
20	QPSK	50	24	16.45	16.24	16.50			
20	QPSK	50	50	16.52	16.24	16.50			
20	QPSK	100	0	16.83	16.74	16.72			
20	HQAM	1	0	16.47	16.33	16.57	18	0	
20	HQAM	1	48	16.52	16.15	16.44			
20	HQAM	1	96	16.57	16.73	16.69			
20	HQAM	50	0	16.45	16.27	16.69	18	0	
20	HQAM	50	24	16.43	16.15	16.59			
20	HQAM	50	50	16.86	16.80	16.67			
20	HQAM	100	0	16.37	16.28	16.65			
20	HQAM	1	0	16.90	16.26	16.47	18	0	
20	HQAM	1	48	16.51	16.70	16.71			
20	HQAM	1	96	16.54	16.31	16.78			
20	HQAM	50	0	16.44	16.22	16.44	18	0	
20	HQAM	50	24	16.46	16.21	16.71			
20	HQAM	50	50	16.45	16.27	16.59			
20	HQAM	100	0	16.55	16.25	16.75	18	0	
20	HQAM	1	48	16.45	16.24	16.61			
20	HQAM	1	96	16.46	16.17	16.39			
20	HQAM	50	0	16.58	16.23	16.62	18	0	
20	HQAM	50	24	16.57	16.35	16.55			
20	HQAM	50	50	16.51	16.10	16.59			
20	HQAM	100	0	16.43	16.20	16.68			
Channel									
Frequency (MHz)									
15	QPSK	1	0	16.66	16.84	16.84	18	0	
15	QPSK	1	20	16.50	16.29	16.54			
15	QPSK	1	74	16.61	16.13	16.53			
15	QPSK	36	0	16.45	16.68	16.48	18	0	
15	QPSK	36	12	16.39	16.27	16.49			
15	QPSK	36	36	16.47	16.19	16.38			
15	QPSK	72	0	16.47	16	16.47	18	0	
15	HQAM	1	0	16.52	16.21	16.46			
15	HQAM	1	20	16.44	16.07	16.38			
15	HQAM	1	74	16.54	16.02	16.45			
15	HQAM	36	0	16.40	16.18	16.18	18	0	
15	HQAM	36	12	16.38	16.00	16.43			
15	HQAM	36	36	16.48	16.00	16.43			
15	HQAM	72	0	16.48	16.00	16.43	18	0	
15	HQAM	1	0	16.51	16.10	16.51			
15	HQAM	1	20	16.45	16.02	16.45			
15	HQAM	1	74	16.53	16.04	16.53			
15	HQAM	36	0	16.39	16.24	16.51	18	0	
15	HQAM	36	12	16.34	16.17	16.50			
15	HQAM	36	36	16.38	16.03	16.29			
15	HQAM	72	0	16.42	16.08	16.42	18	0	
15	HQAM	1	0	16.52	16.23	16.46			
15	HQAM	1	20	16.41	16.02	16.41			
15	HQAM	1	74	16.41	16.02	16.41			
15	HQAM	36	0	16.38	16.03	16.48	18	0	
15	HQAM	36	12	16.35	15.87	16.35			
15	HQAM	36	36	16.35	15.87	16.35			
15	HQAM	72	0	16.35	15.87	16.35	18	0	
15	HQAM	1	0	16.43	16.02	16.43			
15	HQAM	1	20	16.32	15.85	16.32			
15	HQAM	1	74	16.32	15.85	16.32			
15	HQAM	36	0	16.39	16.03	16.48	18	0	
15	HQAM	36	12	16.36	15.87	16.36			
15	HQAM	36	36	16.36	15.87	16.36			
15	HQAM	72	0	16.36	15.87	16.36	18	0	
15	HQAM	1	0	16.46	16.02	16.46			
15	HQAM	1	20	16.33	15.85	16.33			
15	HQAM	1	74	16.33	15.85	16.33			
15	HQAM	36	0	16.40	16.02	16.40	18	0	
15	HQAM	36	12	16.37	15.85	16.37			
15	HQAM	36	36	16.37	15.85	16.37			
15	HQAM	72	0	16.37	15.85	16.37	18	0	
15	HQAM	1	0	16.43	16.02	16.43			
15	HQAM	1	20	16.40	16.00	16.40			
15	HQAM	1	74	16.40	16.00	16.40			
15	HQAM	36	0	16.46	16.02	16.46	18	0	
15	HQAM	36	12	16.43	16.00	16.43			
15	HQAM	36	36	16.43	16.00	16.43			
15	HQAM	72	0	16.43	16.00	16.43	18	0	
15	HQAM	1	0	16.50	16.07	16.50			
15	HQAM	1	20	16.47	16.05	16.47			
15	HQAM	1	74	16.47	16.05	16.47			
15	HQAM	36	0	16.53	16.09	16.53	18	0	
15	HQAM	36	12	16.50	16.07	16.50			
15	HQAM	36	36	16.50	16.07	16.50			
15	HQAM	72	0	16.50	16.07	16.50	18	0	
15	HQAM	1	0	16.57	16.16	16.57			
15	HQAM	1	20	16.54	16.14	16.54			
15	HQAM	1	74	16.54	16.14	16.54			
15	HQAM	36	0	16.60	16.08	16.60	18	0	
15	HQAM	36	12	16.57	16.06	16.57			
15	HQAM	36	36	16.57	16.06	16.57			
15	HQAM	72	0	16.57	16.06	16.57	18	0	
15	HQAM	1	0	16.67	16.15	16.67			
15	HQAM	1	20	16.64	16.13	16.64			
15	HQAM	1	74	16.64	16.13	16.64			
15	HQAM	36	0	16.70	16.18	16.70	18	0	
15	HQAM	36	12	16.67	16.16	16.67			
15	HQAM	36	36	16.67	16.16	16.67			
15	HQAM	72	0	16.67	16.16	16.67	18	0	
15	HQAM	1	0	16.73	16.22	16.73			
15	HQAM	1	20	16.70	16.20	16.70			
15	HQAM	1	74	16.70	16.20	16.70			
15	HQAM	36	0	16.76	16.25	16.76	18	0	
15	HQAM	36	12	16.73	16.23	16.73			
15	HQAM	36	36	16.73	16.23	16.73			
15	HQAM	72	0	16.73	16.23	16.73	18	0	
15	HQAM	1	0	16.83	16.31	16.83			
15	HQAM	1	20	16.80	16.29	16.80			
15	HQAM	1	74	16.80	16.29	16.80			
15	HQAM	36	0	16.86	16.36	16.86	18	0	
15	HQAM	36	12	16.83	16.34	16.83			
15	HQAM	36	36	16.83	16.34	16.83			
15	HQAM	72	0	16.83	16.34	16.83	18	0	
15	HQAM	1	0	16.90	16.39	16.90			
15	HQAM	1	20	16.87	16.37	16.87			
15	HQAM	1	74	16.87	16.37	16.87			
15	HQAM	36	0	16.93	16.44	16.93	18	0	
15	HQAM	36	12	16.90	16.42	16.90			
15	HQAM	36	36	16.90	16.42	16.90			
15	HQAM	72	0	16.90	16.42	16.90	18	0	
15	HQAM	1	0	17.00	16.50	17.00			
15	HQAM	1	20	16.97	16.48	16.97			
15	HQAM	1	74	16.97	16.48	16.97			
15	HQAM	36	0	17.06	16.57	17.06	18	0	
15	HQAM	36	12	17.03	16.55	17.03			
15	HQAM	36	36	17.03	16.55	17.03			
15	HQAM	72	0	17.03	16.55	17.03	18	0	
15	HQAM	1	0	17.13	16.64	17.13			
15	HQAM	1	20	17.10	16.62	17.10			
15	HQAM	1	74	17.10	16.62	17.10			
15	HQAM	36	0	17.18	16.71	17.18	18	0	
15	HQAM	36	12	17.15	16.69	17.15			
15	HQAM	36	36	17.15	16.69	17.15			
15	HQAM	72	0	17.15	16.69	17.15	18	0	
15	HQAM	1	0	17.23	16.76	17.23			
15	HQAM	1	20	17.20	16.74	17.20			
15	HQAM	1	74	17.20	16.74	17.20			
15	HQAM	36	0	17.28	16.83	17.28	18	0	
15	HQAM	36	12	17.25	16.81	17.25			
15	HQAM	36	36	17.25	16.81	17.25			
15	HQAM	72	0	17.25	16.81	17.25	18	0	
15	HQAM	1	0	17.33	16.90	17.33			
15	HQAM	1	20	17.30	16.88	17.30			
15	HQAM	1	74	17.30	16.88	17.30			
15	HQAM	36	0	17.38	16.97	17.38	18	0	
15	HQAM	36	12	17.35	16.95	17.35			
15	HQAM	36	36	17.35	16.95	17.35			
15	HQAM	72	0	17.35	16.95	17.35	18	0	
15	HQAM	1	0	17.43	17.04	17.43			
15	HQAM	1	20	17.40	17.02	17.40			
15	HQAM	1	74	17.40	17.02	17.40			
15	HQAM	36	0	17.48	17.11	17.48	18	0	
15	HQAM	36	12	17.45	17.09	17.45			
15	HQAM	36	36	17.45	17.09	17.45			
15	HQAM	72	0	17.45	17.09	17.45	18	0	
15	HQAM	1	0	17.53	17.16	17.53			
15	HQAM	1	20	17.50	17.14	17.50			
15	HQAM	1	74	17.50	17.14	17.50			
15	HQAM	36	0	17.58	17.23	17.58	18	0	
15	HQAM	36	12	17.55	17.21	17.55			
15	HQAM	36	36	17.55	17.21	17.55			
15	HQAM	72	0	17.55	17.21	17.55	18	0	
15	HQAM	1	0	17.63	17.30	17.63			
15	HQAM	1	20	17.60	17.28	17.60			
15	HQAM	1	74	17.60	17.28	17.60			
15	HQAM	36	0	17.68					

Band 26_Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.56	22.56	22.53	24	0						
15	QPSK	1	31	22.56	22.55	22.53								
15	QPSK	1	74	22.53	22.53	22.46								
15	QPSK	36	0	21.80	21.81	21.79								
15	QPSK	36	20	21.72	21.88	21.71	23	1						
15	QPSK	36	39	21.57	21.78	21.66								
15	QPSK	75	0	21.71	21.76	21.67								
15	16QAM	15	0	21.76	22.23	22.70								
15	16QAM	1	37	22.14	22.21	21.83	23	1						
15	16QAM	1	74	21.80	21.82	22.09								
15	16QAM	36	0	20.68	20.90	20.95								
15	16QAM	36	20	20.74	20.93	20.94								
15	16QAM	75	0	20.77	20.94	20.92	22	2						
15	16QAM	1	0	20.99	21.05	20.94								
15	16QAM	1	37	20.94	20.96	20.81								
15	16QAM	36	0	19.72	19.77	19.77								
15	16QAM	36	20	19.75	19.80	19.75	21	3						
15	16QAM	36	39	19.83	19.94	19.80								
15	16QAM	75	0	19.87	19.86	19.82								
15	256QAM	1	37	17.75	17.81	17.81								
15	256QAM	1	74	17.84	17.82	17.80	19	5						
15	256QAM	36	20	17.79	17.87	17.82								
15	256QAM	36	39	17.89	17.72	17.72								
15	256QAM	36	75	17.78	17.78	17.77								
15	256QAM	75	0	17.72	17.80	17.80	19	5						
15	256QAM	75	37	17.80	17.80	17.80								
15	256QAM	75	75	17.80	17.80	17.80								
15	256QAM	75	75	17.80	17.80	17.80								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.51	22.45	22.47	24	0						
15	QPSK	1	28	22.50	22.49	22.52								
15	QPSK	1	49	22.50	22.51	22.46								
15	QPSK	26	0	21.63	21.55	21.58								
15	QPSK	26	1	21.60	21.56	21.59	23	1						
15	QPSK	26	28	21.58	21.62	21.63								
15	QPSK	50	0	21.62	21.58	21.58								
15	16QAM	15	0	21.58	21.70	21.68								
15	16QAM	1	28	21.82	21.83	21.89	23	1						
15	16QAM	1	49	21.80	21.87	21.86								
15	16QAM	25	0	20.66	20.65	20.61								
15	16QAM	25	12	20.65	20.62	20.60								
15	16QAM	25	24	20.65	20.62	20.62	22	2						
15	16QAM	50	0	20.62	20.57	20.58								
15	16QAM	1	9	20.83	20.75	20.75								
15	16QAM	1	24	20.80	20.76	20.76								
15	16QAM	1	49	20.98	20.72	20.71	21	3						
15	16QAM	25	0	19.87	19.82	19.82								
15	16QAM	25	12	19.87	19.86	19.86								
15	16QAM	25	25	19.82	19.87	19.85								
15	16QAM	50	0	19.82	19.87	19.85	19	5						
15	16QAM	75	0	19.85	19.88	19.86								
15	256QAM	1	25	17.62	17.67	17.65								
15	256QAM	1	49	17.76	17.87	17.82								
15	256QAM	36	20	17.82	17.80	17.80	19	5						
15	256QAM	36	39	17.84	17.80	17.80								
15	256QAM	50	0	17.84	17.80	17.80								
15	256QAM	50	25	17.86	17.81	17.86								
15	256QAM	75	0	17.86	17.81	17.80	19	5						
15	256QAM	75	37	17.86	17.81	17.80								
15	256QAM	75	75	17.86	17.81	17.80								
15	256QAM	75	75	17.86	17.81	17.80								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.41	22.41	22.41	24	0						
15	QPSK	1	12	22.50	22.50	22.47								
15	QPSK	1	24	22.51	22.51	22.45								
15	QPSK	12	0	21.57	21.57	21.57								
15	QPSK	12	7	21.59	21.59	21.56	23	1						
15	QPSK	12	13	21.64	21.59	21.52								
15	QPSK	36	0	21.58	21.58	21.58								
15	16QAM	7	0	21.94	21.80	21.82								
15	16QAM	1	12	21.80	21.88	21.75	23	1						
15	16QAM	1	12	21.80	21.88	21.75								
15	16QAM	12	0	20.99	20.54	20.81								
15	16QAM	12	7	20.61	20.58	20.60								
15	16QAM	12	7	20.65	20.58	20.57	22	2						
15	16QAM	25	0	20.60	20.49	20.59								
15	16QAM	1	0	20.73	20.71	20.63								
15	16QAM	1	12	20.67	20.63	20.63								
15	16QAM	1	24	20.72	20.73	20.69	21	3						
15	16QAM	12	0	19.83	19.86	19.70								
15	16QAM	12	7	19.84	19.86	19.83								
15	16QAM	12	13	19.59	19.59	19.59								
15	16QAM	25	0	19.80	19.80	19.81	19	5						
15	256QAM	0	17.68	17.66	17.65									
15	256QAM	1	12	17.59	17.76	17.74								
15	256QAM	1	24	17.76	17.86	17.85								
15	256QAM	12	0	17.56	17.66	17.66	19	5						
15	256QAM	12	7	17.53	17.60	17.67								
15	256QAM	12	13	17.68	17.62	17.66								
15	256QAM	25	0	17.64	17.59	17.59								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.41	22.41	22.41	24	0						
15	QPSK	1	14	22.48	22.52	22.44								
15	QPSK	8	0	22.50	22.44	22.37								
15	QPSK	8	4	21.57	21.61	21.59								
15	QPSK	10	0	21.68	21.47	21.35	23	1						
15	16QAM	1	0	21.93	21.88	21.79								
15	16QAM	1	8	21.93	21.86	21.87								
15	16QAM	3	0	21.79	21.75	21.82								
15	16QAM	8	0	20.63	20.50	20.58	22	2						
15	16QAM	8	4	20.69	20.65	20.66								
15	16QAM	15	0	20.60	20.52	20.60								
15	16QAM	1	0	20.73	20.66	20.78								
15	16QAM	1	8	20.82	20.75	20.79	21	3						
15	16QAM	1	14	20.79	20.70	20.70								
15	16QAM	8	0	19.85	19.86	19.82								
15	16QAM	8	4	19.85	19.89	19.83								
15	16QAM	8	7	19.82	19.87	19.84	19	5						
15	16QAM	15	0	19.87	19.93	19.84								
15	256QAM	1	0	17.70	17.74	17.68								
15	256QAM	1	8	17.65	17.67	17.65								
15	256QAM	1	14	17.71	17.83	17.77	19	5						
15	256QAM	8	0	17.61	17.72	17.69								
15	256QAM	8	4	17.62	17.67	17.67								
15	256QAM	8	7	17.63	17.81	17.80	19	5						
15	256QAM	8	7	17.62	17.80	17.80								
15	256QAM	8	7	17.62	17.80	17.80								
15	256QAM	8	7	17.62	17.80	17.80								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.41	22.35	22.35	24	0						
15	QPSK	1	1	22.47	22.41	22.41								
15	QPSK	1	5	22.38	22.38	22.38								
15	QPSK	3	0	21.64	21.57	21.57								
15	QPSK	3	1	21.60	21.54	21.54	23	1						
15	QPSK	3	2	21.55	21.52	21.52								
15	QPSK	3	3	21.54	21.47	21.47								
15	QPSK	3	4	21.52	21.40	21.40								
15	16QAM	1	0	21.77	21.79	21.79	23	1						
15	16QAM	1	3	21.81	21.83	21.79								
15	16QAM	1	6	21.77	21.86	21.86								
15	16QAM	3	0	21.55	21.54	21.43								
15	16QAM	1	1	21.53	21.47	21.47	22	2						
15	16QAM	1	2	21.53	21.43	21.43								
15	16QAM	6	0	20.87	20.52	20.53								
15	16QAM	6	2	20.70	20.64	20.65								
15	16QAM	6	3	20.74	20.62	20.62	22	2						
15	16QAM	6	4	20.72	20.73	20.62								
15	16QAM	6	5	20.66	20.53	20.51								
15	16QAM	6	6	20.67	20.53	20.53								
15	16QAM	6	7	20.66	20.63	20.58	19	5						
15	16QAM	6	8	19.49	19.42	19.42								
15	16QAM	6	9	19.46	19.46	19.46								
15	16QAM	6	10	19.45	19.45	19.45								
15	16QAM	6	11	19.45	19.45	19.45	19	5						
15	16QAM	6	12	19.45	19.45	19.45								
15	16QAM	6	13	19.45	19.45	19.45								
15	16QAM	6	14	19.45	19.45	19.45								
15	16QAM	6	15	19.45	19.45	19.45	19	5						
15	16QAM	6	16	19.45	19.45	19.45								
15	16QAM	6	17	19.45	19.45	19.45								
15	16QAM	6	18	19.45	19.45	19.45								
15	16QAM	6	19	19.45	19.45	19.45	19	5						
15	16QAM	6	20	19.45	19.45	19.45								
15	16QAM	6	21	19.45	19.45	19.45								
15	16QAM	6	22	19.45	19.45	19.45								
15	16QAM	6	23	19.45	19.45	19.45	19	5						
15	16QAM	6	24	19.45	19.45	19.45								
15	16QAM	6	25	19.45	19.45	19.45								
15	16QAM	6	26	19.45	19.45	19.45								
15	16QAM	6	27	19.45	19.45	19.45	19	5						
15	16QAM	6	28	19.45	19.45	19.45								
15	16QAM	6	29	19.45	19.45	19.45								
15	16QAM	6	30	19.45	19.45	19.45								
15	16QAM	6	31	19.45	19.45	19.45	19	5						
15	16QAM	6	32	19.45	19.45	19.45								
15	16QAM	6	33	19.45	19.45	19.45								
15	16QAM	6	34	19.45	19.45	19.45								
15	16QAM	6	35	19.45	19.45	19.45	19	5						
15	16QAM	6	36	19.45	19.45	19.45								
15	16QAM	6	37	19.45	19.45	19.45								
15	16QAM	6	38	19.45	19.45	19.45								
15	16QAM	6	39	19.45	19.45	19.45	19	5						
15	16QAM	6	40	19.45	19.45	19.45								
15	16QAM	6	41	19.45	19.45	19.45								
15	16QAM	6												

Band 38_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-on time (ms)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.02	17.12	16.91	17.9	0		
20	QPSK	1	49	16.92	16.95	16.74				
20	QPSK	1	99	16.94	16.95	16.72				
20	QPSK	50	0	16.94	16.66	16.76	17.9	0		
20	QPSK	50	24	16.95	16.73	16.66				
20	QPSK	50	50	16.71	16.71	16.70				
20	QPSK	100	0	16.95	16.66	16.67	17.9	0		
20	QPSK	100	50	16.91	16.72	16.67				
20	16QAM	1	49	16.80	16.80	16.62				
20	16QAM	1	0	16.80	16.80	16.62	17.9	0		
20	16QAM	50	0	16.80	16.77	16.59				
20	16QAM	50	24	16.74	16.76	16.65				
20	16QAM	100	0	16.70	16.77	16.78	17.9	0		
20	16QAM	100	0	16.70	16.91	16.58				
20	16QAM	1	99	16.74	16.77	16.76				
20	16QAM	50	0	16.70	16.61	16.56	17.9	0		
20	16QAM	50	24	16.72	16.75	16.56				
20	16QAM	50	50	16.82	16.82	16.68				
20	16QAM	100	0	16.85	16.87	16.77	17.9	0		
20	256QAM	1	49	16.70	16.82	16.67				
20	256QAM	1	99	16.80	16.79	16.58				
20	256QAM	50	0	16.74	16.73	16.65	17.9	0		
20	256QAM	50	24	16.73	16.71	16.49				
20	256QAM	50	50	16.68	16.68	16.56				
20	256QAM	100	0	16.66	16.65	16.56				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.89	17.03	16.84	17.9	0		
15	QPSK	1	49	16.87	16.86	16.67				
15	QPSK	1	74	16.83	16.80	16.58				
15	QPSK	36	0	16.69	16.77	16.67	17.9	0		
15	QPSK	36	36	16.65	16.63	16.52				
15	QPSK	36	39	16.60	16.56	16.61				
15	QPSK	75	0	16.47	16.44	16.50	17.9	0		
15	16QAM	1	0	16.58	16.57	16.51				
15	16QAM	1	37	16.70	16.66	16.56				
15	16QAM	36	0	16.59	16.60	16.58	17.9	0		
15	16QAM	36	0	16.70	16.64	16.54				
15	16QAM	36	20	16.64	16.70	16.53				
15	16QAM	75	0	16.63	16.60	16.51	17.9	0		
15	16QAM	75	0	16.65	16.60	16.51				
15	16QAM	1	0	16.70	16.67	16.49				
15	16QAM	1	74	16.60	16.72	16.58	17.9	0		
15	16QAM	1	74	16.60	16.65	16.70				
15	16QAM	36	0	16.64	16.75	16.56				
15	16QAM	36	20	16.70	16.69	16.59	17.9	0		
15	16QAM	36	39	16.70	16.73	16.58				
15	16QAM	75	0	16.72	16.73	16.59				
15	256QAM	1	0	16.74	16.77	16.71	17.9	0		
15	256QAM	1	37	16.70	16.69	16.54				
15	256QAM	1	74	16.60	16.70	16.54				
15	256QAM	36	0	16.65	16.59	16.57	17.9	0		
15	256QAM	36	20	16.64	16.61	16.47				
15	256QAM	36	20	16.54	16.54	16.46				
15	256QAM	75	0	16.52	16.50	16.46				
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.96	16.97	16.86	17.9	0		
10	QPSK	1	25	16.70	16.87	16.61				
10	QPSK	1	49	16.80	16.80	16.62				
10	QPSK	25	0	16.72	16.78	16.59	17.9	0		
10	QPSK	25	12	16.65	16.67	16.51				
10	QPSK	25	25	16.55	16.56	16.56				
10	QPSK	50	0	16.53	16.78	16.79	17.9	0		
10	QPSK	50	0	16.60	16.60	16.60				
10	16QAM	1	25	16.74	16.75	16.57				
10	16QAM	1	49	16.60	16.77	16.61	17.9	0		
10	16QAM	25	0	16.68	16.70	16.47				
10	16QAM	25	12	16.62	16.63	16.55				
10	16QAM	25	25	16.60	16.69	16.69	17.9	0		
10	16QAM	50	0	16.70	16.76	16.49				
10	16QAM	1	0	16.74	16.61	16.56				
10	16QAM	1	25	16.67	16.77	16.72	17.9	0		
10	16QAM	1	25	16.60	16.60	16.51				
10	16QAM	1	49	16.60	16.60	16.55				
10	16QAM	25	0	16.66	16.68	16.55	17.9	0		
10	16QAM	25	12	16.59	16.60	16.75				
10	16QAM	25	25	16.65	16.69	16.63				
10	16QAM	50	0	16.76	16.63	16.56	17.9	0		
10	256QAM	1	0	16.71	16.69	16.58				
10	256QAM	1	49	16.76	16.68	16.51				
10	256QAM	25	0	16.67	16.67	16.56	17.9	0		
10	256QAM	25	12	16.59	16.56	16.41				
10	256QAM	25	25	16.56	16.53	16.41				
10	256QAM	50	0	16.57	16.75	16.46				
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.95	17.06	16.77	17.9	0		
5	QPSK	1	12	16.70	16.87	16.61				
5	QPSK	1	24	16.86	16.86	16.54				
5	QPSK	12	0	16.76	16.81	16.63	17.9	0		
5	QPSK	12	7	16.71	16.69	16.53				
5	QPSK	12	13	16.66	16.59	16.63				
5	QPSK	25	0	16.53	16.81	16.61	17.9	0		
5	16QAM	1	0	16.84	16.60	16.51				
5	16QAM	1	12	16.75	16.68	16.48				
5	16QAM	1	24	16.60	16.76	16.58	17.9	0		
5	16QAM	12	0	16.65	16.63	16.55				
5	16QAM	12	7	16.63	16.61	16.57				
5	16QAM	25	0	16.67	16.70	16.47	17.9	0		
5	16QAM	25	0	16.80	16.65	16.56				
5	16QAM	1	12	16.64	16.67	16.69				
5	16QAM	1	24	16.62	16.68	16.60	17.9	0		
5	16QAM	12	0	16.71	16.71	16.60				
5	16QAM	12	7	16.66	16.64	16.76				
5	16QAM	12	13	16.76	16.76	16.61	17.9	0		
5	16QAM	25	0	16.75	16.62	16.53				
5	16QAM	1	0	16.71	16.72	16.67				
5	256QAM	1	0	16.76	16.69	16.56	17.9	0		
5	256QAM	1	49	16.76	16.68	16.51				
5	256QAM	12	0	16.66	16.66	16.56				
5	256QAM	12	7	16.68	16.68	16.51	17.9	0		
5	256QAM	12	13	16.78	16.78	16.63				
5	256QAM	25	0	16.54	16.80	16.40				



Band 38 HPUE_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freqs	Power Mid Ch / Freqs	Power High Ch / Freqs	Time-up limit (dBm)	MPE (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	18.22	18.30	18.36	20	0			
20	QPSK	1	48	18.24	18.27	18.17					
20	QPSK	1	96	18.32	18.09	18.15					
20	QPSK	50	0	18.05	18.26	18.13					
20	QPSK	50	50	18.31	18.06	18.13	20	0			
20	QPSK	100	0	18.04	18.24	18.15					
20	16QAM	1	0	18.15	18.09	18.16					
20	16QAM	1	48	18.15	18.17	18.13					
20	16QAM	1	96	18.06	18.25	18.22	20	0			
20	16QAM	50	0	18.04	18.07	18.12					
20	16QAM	50	24	18.12	18.11	18.07					
20	16QAM	100	0	18.13	18.16	18.07					
20	16QAM	1	0	18.25	18.02	18.07	20	0			
20	16QAM	1	48	18.08	18.25	18.18					
20	16QAM	1	96	18.26	18.16	18.03					
20	16QAM	50	24	18.11	18.00	18.13					
20	16QAM	50	50	18.20	18.25	18.18	20	0			
20	16QAM	100	0	18.27	18.12	18.01					
20	256QAM	1	0	18.29	18.38	18.24					
20	256QAM	1	48	18.36	18.38	18.35					
20	256QAM	1	96	18.17	18.21	18.01	20	0			
20	256QAM	50	0	18.12	18.24	18.03					
20	256QAM	50	24	18.17	18.26	18.18					
20	256QAM	100	0	18.13	18.30	18.14					
20	256QAM	100	0	18.00	18.18	18.09					
Channel											
Frequency (MHz)											
15	QPSK	1	0	18.23	18.32	18.30	20	0			
15	QPSK	1	48	18.24	18.34	18.16					
15	QPSK	1	74	18.30	18.10	18.18					
15	QPSK	36	0	18.04	18.38	18.25					
15	QPSK	36	36	18.03	18.23	18.15	20	0			
15	QPSK	36	36	18.34	18.05	18.18					
15	QPSK	75	0	18.05	18.18	18.11					
15	16QAM	1	0	18.14	18.10	18.20					
15	16QAM	1	37	18.19	18.22	18.18	20	0			
15	16QAM	1	74	18.22	18.07	18.17					
15	16QAM	36	0	18.08	18.06	18.06					
15	16QAM	36	36	18.11	18.13	18.08					
15	16QAM	75	0	18.08	18.04	18.06	20	0			
15	16QAM	75	0	18.17	18.12	18.12					
15	16QAM	1	0	18.27	18.01	18.03					
15	16QAM	1	37	18.24	18.26	18.13					
15	16QAM	1	74	18.24	18.26	18.13	20	0			
15	16QAM	1	74	18.24	18.26	18.13					
15	16QAM	36	0	18.15	18.01	18.03					
15	16QAM	36	36	18.20	18.20	18.09					
15	16QAM	75	0	18.20	18.14	18.04	20	0			
15	16QAM	75	0	18.20	18.14	18.04					
15	256QAM	1	0	18.31	18.37	18.22					
15	256QAM	1	37	18.30	18.38	18.31					
15	256QAM	1	74	18.12	18.26	18.12	20	0			
15	256QAM	36	0	18.11	18.25	18.20					
15	256QAM	36	36	18.20	18.31	18.20					
15	256QAM	75	0	18.02	18.20	18.08					
Channel											
Frequency (MHz)											
10	QPSK	1	0	18.18	18.21	18.33	20	0			
10	QPSK	1	25	18.26	18.22	18.22					
10	QPSK	1	48	18.27	18.05	18.20					
10	QPSK	25	0	18.06	18.35	18.25					
10	QPSK	25	12	18.00	18.12	18.09	20	0			
10	QPSK	25	25	18.30	18.09	18.15					
10	QPSK	50	0	18.05	18.21	18.04					
10	16QAM	1	0	18.10	18.07	18.17					
10	16QAM	1	25	18.16	18.14	18.12	20	0			
10	16QAM	1	48	18.08	18.20	18.26					
10	16QAM	25	0	18.02	18.10	18.01					
10	16QAM	25	12	18.10	18.10	18.01					
10	16QAM	25	25	18.09	18.02	18.13	20	0			
10	16QAM	50	0	18.15	18.20	18.09					
10	16QAM	1	0	18.22	18.00	18.06					
10	16QAM	1	48	18.02	18.30	18.18					
10	16QAM	1	25	18.21	18.17	18.06	20	0			
10	16QAM	25	0	18.06	18.04	18.07					
10	16QAM	25	12	18.11	18.23	18.26					
10	16QAM	25	25	18.22	18.09	18.18					
10	16QAM	50	0	18.28	18.11	18.03	20	0			
10	16QAM	50	0	18.28	18.11	18.03					
10	256QAM	1	0	18.34	18.24	18.25					
10	256QAM	1	25	18.39	18.34	18.34					
10	256QAM	1	48	18.15	18.13	18.06	20	0			
10	256QAM	25	0	18.14	18.23	18.06					
10	256QAM	25	12	18.21	18.22	18.16					
10	256QAM	25	25	18.22	18.22	18.13					
10	256QAM	50	0	18.03	18.16	18.11	20	0			
Channel											
Frequency (MHz)											
5	QPSK	1	0	18.27	18.21	18.32	20	0			
5	QPSK	1	12	18.24	18.26	18.11					
5	QPSK	1	24	18.30	18.00	18.10					
5	QPSK	12	0	18.04	18.20	18.16					
5	QPSK	12	7	18.05	18.23	18.15	20	0			
5	QPSK	12	13	18.27	18.01	18.17					
5	QPSK	25	0	18.02	18.22	18.15					
5	16QAM	1	0	18.16	18.13	18.21					
5	16QAM	1	12	18.16	18.21	18.18	20	0			
5	16QAM	1	24	18.10	18.29	18.21					
5	16QAM	12	0	18.07	18.01	18.07					
5	16QAM	12	7	18.07	18.13	18.01					
5	16QAM	12	13	18.13	18.00	18.09	20	0			
5	16QAM	25	0	18.15	18.10	18.10					
5	16QAM	1	0	18.22	18.05	18.01					
5	16QAM	1	12	18.10	18.26	18.23					
5	16QAM	1	24	18.21	18.12	18.11	20	0			
5	16QAM	12	0	18.15	18.01	18.01					
5	16QAM	12	7	18.02	18.18	18.23					
5	16QAM	12	13	18.22	18.00	18.14					
5	16QAM	25	0	18.24	18.09	18.04	20	0			
5	16QAM	25	0	18.24	18.09	18.04					
5	256QAM	1	0	18.37	18.37	18.27					
5	256QAM	1	12	18.21	18.35	18.25					
5	256QAM	1	24	18.33	18.23	18.19	20	0			
5	256QAM	12	0	18.08	18.24	18.02					
5	256QAM	12	7	18.11	18.27	18.20					
5	256QAM	12	13	18.22	18.32	18.08					
5	256QAM	25	0	17.04	18.23	18.08	20	0			
5	256QAM	25	0	18.04	18.23	18.08					



Band 41 HPUE_Ant 0																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mode Ch. / Freq.	Power Low Mode Ch. / Freq.	Power Power Mode Ch. / Freq.	Power High Mode Ch. / Freq.	Power High Mode Ch. / Freq.	Time-up limit (min)	MPR (dB)						
Channel																
Frequency (MHz)																
20	QPSK	1	0	18.87	18.71	18.77	18.76	18.72	19.5	0						
20	QPSK	1	48	18.89	18.70	18.82	18.81	18.79								
20	QPSK	1	96	18.96	18.83	18.84	18.74	18.67								
20	QPSK	1	144	18.96	18.70	18.71	18.96	18.99								
20	QPSK	50	24	18.95	18.84	18.85	18.95	18.95	19.5	0						
20	QPSK	50	50	18.42	18.58	18.47	18.55	18.57								
20	QPSK	100	0	18.91	18.85	18.76	18.89	18.91								
20	16QAM	1	0	18.48	18.82	18.81	18.57	18.84								
20	16QAM	1	48	18.46	18.81	18.48	18.61	18.81	19.5	0						
20	16QAM	1	96	18.82	18.93	18.95	18.81	18.85								
20	16QAM	50	0	18.99	18.81	18.99	18.48	18.81								
20	16QAM	50	24	18.92	18.84	18.49	18.58	18.47								
20	16QAM	100	0	18.82	18.80	18.87	18.59	18.99	19.5	0						
20	16QAM	100	0	18.46	18.83	18.45	18.49	18.81								
20	64QAM	1	0	18.94	18.93	18.94	18.94	18.95								
20	64QAM	1	96	18.48	18.86	18.87	18.41	18.87								
20	64QAM	50	0	18.92	18.95	18.41	18.92	18.46	19.5	0						
20	64QAM	50	24	18.92	18.82	18.70	18.92	18.92								
20	64QAM	50	50	18.49	18.87	18.44	18.31	18.88								
20	256QAM	1	0	18.91	18.43	18.95	18.83	18.93								
20	256QAM	1	48	18.92	18.82	18.98	18.81	18.94	19.5	0						
20	256QAM	1	96	18.51	18.88	18.99	18.31	18.98								
20	256QAM	1	144	18.46	18.47	18.81	18.84	18.92								
20	256QAM	50	0	18.84	18.84	18.88	18.87	18.80								
20	256QAM	50	24	18.92	18.87	18.81	18.34	18.84	19.5	0						
20	256QAM	80	0	18.98	18.99	18.97	18.97	18.99								
20	256QAM	100	0	18.49	18.71	18.61	18.49	18.49								
Channel																
Frequency (MHz)																
15	QPSK	1	0	18.99	18.99	18.88	18.81	18.88			19.80	0				
15	QPSK	1	36	18.47	18.84	18.90	18.48	18.88								
15	QPSK	1	74	18.48	18.95	18.97	18.61	18.95								
15	QPSK	36	0	18.46	18.95	18.99	18.91	18.90								
15	QPSK	36	36	18.39	18.98	18.41	18.33	18.92	19.5	0						
15	QPSK	36	36	18.38	18.45	18.42	18.43	18.47								
15	QPSK	75	0	18.91	18.90	18.83	18.94	18.92								
15	16QAM	1	0	18.38	18.93	18.91	18.92	18.89								
15	16QAM	1	37	18.39	18.46	18.95	18.45	18.44	19.5	0						
15	16QAM	1	74	18.95	18.44	18.95	18.95	18.95								
15	16QAM	36	0	18.44	18.91	18.45	18.38	18.47								
15	16QAM	36	36	18.41	18.43	18.38	18.44	18.35								
15	16QAM	75	0	18.92	18.94	18.93	18.99	18.46	19.5	0						
15	16QAM	75	0	18.40	18.93	18.92	18.25	18.95								
15	64QAM	1	0	18.49	18.37	18.45	18.93	18.43								
15	64QAM	1	37	18.45	18.45	18.92	18.49	18.92								
15	64QAM	1	74	18.38	18.92	18.43	18.28	18.92	19.5	0						
15	64QAM	36	0	18.46	18.46	18.92	18.46	18.37								
15	64QAM	36	36	18.92	18.97	18.94	18.92	18.98								
15	64QAM	36	36	18.39	18.47	18.29	18.38	18.98								
15	64QAM	75	0	18.97	18.96	18.94	18.99	18.42	19.5	0						
15	256QAM	1	0	18.94	18.94	18.90	18.94	18.93								
15	256QAM	1	37	18.41	18.81	18.94	18.99	18.92								
15	256QAM	1	74	18.95	18.95	18.95	18.95	18.95								
15	256QAM	36	0	18.92	18.99	18.99	18.91	18.47	19.5	0						
15	256QAM	36	36	18.42	18.87	18.39	18.29	18.92								
15	256QAM	36	36	18.42	18.47	18.41	18.49	18.46								
15	256QAM	75	0	18.44	18.98	18.45	18.39	18.43								
Channel																
Frequency (MHz)																
10	QPSK	1	0	18.60	18.99	18.85	18.71	18.61	19.80	0						
10	QPSK	1	25	18.48	18.84	18.87	18.30	18.97								
10	QPSK	1	48	18.41	18.49	18.97	18.89	18.97								
10	QPSK	25	0	18.49	18.85	18.89	18.91	18.91								
10	QPSK	25	25	18.97	18.90	18.46	18.97	18.46	19.5	0						
10	QPSK	25	25	18.33	18.43	18.91	18.39	18.46								
10	QPSK	50	0	18.48	18.49	18.83	18.88	18.92								
10	16QAM	1	0	18.48	18.90	18.95	18.95	18.95								
10	16QAM	1	25	18.34	18.97	18.33	18.49	18.45	19.5	0						
10	16QAM	1	48	18.97	18.46	18.98	18.46	18.92								
10	16QAM	25	0	18.44	18.92	18.91	18.92	18.49								
10	16QAM	25	12	18.39	18.40	18.35	18.45	18.97								
10	16QAM	25	25	18.40	18.46	18.90	18.94	18.90	19.5	0						
10	16QAM	50	0	18.39	18.98	18.31	18.91	18.94								
10	64QAM	1	0	18.38	18.43	18.44	18.99	18.90								
10	64QAM	1	25	18.45	18.47	18.92	18.46	18.99								
10	64QAM	25	0	18.97	18.47	18.93	18.46	18.43	19.5	0						
10	64QAM	25	12	18.43	18.46	18.94	18.92	18.41								
10	64QAM	25	25	18.39	18.48	18.29	18.24	18.98								
10	64QAM	50	0	18.38	18.93	18.45	18.49	18.46								
10	256QAM	1	0	18.94	18.93	18.99	18.91	18.97	19.5	0						
10	256QAM	1	25	18.43	18.99	18.46	18.98	18.43								
10	256QAM	1	48	18.46	18.97	18.94	18.95	18.45								
10	256QAM	25	0	18.93	18.95	18.99	18.47	18.93								
10	256QAM	25	12	18.45	18.81	18.46	18.21	18.91	19.5	0						
10	256QAM	25	25	18.43	18.90	18.44	18.46	18.94								
10	256QAM	50	0	18.40	18.84	18.93	18.38	18.43								
Channel																
Frequency (MHz)																
5	QPSK	1	0	18.99	18.98	18.93	18.97	18.97	19.80	0						
5	QPSK	1	12	18.43	18.81	18.99	18.98	18.84								
5	QPSK	1	24	18.90	18.92	18.96	18.89	18.96								
5	QPSK	12	0	18.43	18.95	18.82	18.48	18.91								
5	QPSK	12	7	18.95	18.49	18.49	18.22	18.45	19.5	0						
5	QPSK	12														



Reduced Power for DSI 6-Standalone

OSM1500_Ant 6 Tx Channel	Best Average Power (dBm)			Turn-up Limit (dBm)	Frame-Average Power (dBm)			Turn-up Limit (dBm)
	1500	1500	1501		1500	1500	1501	
Frequency (MHz)	32.12	32.12	32.12	32.00	32.12	32.12	32.12	32.00
OSM1 Tx Aant	32.05	32.02	32.05	32.00	32.05	32.02	32.05	32.00
OPRS1 Tx Aant	32.12	32.02	32.38	32.00	32.12	32.02	32.38	32.00
OPRS2 Tx Aant	32.31	32.05	32.38	31.00	32.31	32.05	32.38	30.00
OPRS3 Tx Aant	32.43	32.11	32.00	29.00	32.17	32.05	32.12	29.00
OPRS4 Tx Aant	29.01	29.04	29.75	29.00	29.01	29.04	29.75	29.00
EDGE1 Tx Aant	24.05	24.01	24.09	27.00	27.02	18.01	18.00	18.00
EDGE2 Tx Aant	24.01	24.22	24.79	26.00	18.01	18.72	18.79	26.00
EDGE3 Tx Aant	23.50	23.29	23.58	24.00	18.39	18.73	18.72	24.00
EDGE4 Tx Aant	21.00	21.01	21.00	23.00	18.60	18.01	18.00	23.00

OSM1500_Ant 5 Tx Channel	Best Average Power (dBm)			Turn-up Limit (dBm)	Frame-Average Power (dBm)			Turn-up Limit (dBm)
	1502	1501	1500		1502	1501	1500	
Frequency (MHz)	300.2	300.0	300.0	300.0	300.2	300.0	300.0	300.0
OSM1 Tx Aant	29.08	29.25	29.05	30.00	30.08	29.25	29.05	31.00
OPRS1 Tx Aant	29.08	29.22	29.51	30.00	29.08	29.22	29.51	31.00
OPRS2 Tx Aant	29.08	29.41	29.38	27.00	29.09	29.41	29.38	27.00
OPRS3 Tx Aant	29.05	24.05	24.32	25.00	19.09	20.05	20.08	21.00
OPRS4 Tx Aant	23.47	22.75	23.18	24.00	20.21	19.05	20.30	21.00
EDGE1 Tx Aant	22.53	22.60	22.51	27.00	18.53	18.00	18.51	18.00
EDGE2 Tx Aant	20.03	18.24	18.11	26.00	18.53	18.24	18.11	26.00
EDGE3 Tx Aant	20.03	20.08	20.01	24.00	18.77	18.02	18.02	18.74
EDGE4 Tx Aant	21.05	21.40	21.00	22.00	18.36	18.40	18.00	20.00

DSM Tx Channel	WCDMA_V_Ant 6			Turn-up Limit (dBm)	WCDMA_V_Ant 5			Turn-up Limit (dBm)	WCDMA_V_Ant 8			Turn-up Limit (dBm)
	5052	5050	5038		5012	5010	5013		4132	4130	4228	
Frequency (MHz)	8862.0	8860	8868	8862.0	1537.0	1536	1538	1537.0	4267	4266	4268	4267.0
ISPP-Rx Ant	20.13	20.49	21.11	22.00	20.11	20.33	20.30	21.00	23.04	23.11	23.01	24.00
ISPP-Rx Ant	21.17	21.08	21.12	22.00	20.13	20.40	20.35	21.00	23.05	23.12	23.02	24.00
ISPP-Rx 6	20.12	20.45	20.20	21.00	19.05	19.41	19.44	20.00	21.96	22.01	21.95	23.00
ISPP-Rx 6	19.18	19.08	19.18	21.00	19.10	19.24	19.43	20.00	21.98	22.01	21.97	23.00
ISPP-Rx 6	19.76	19.09	19.60	20.00	18.64	18.88	18.98	19.00	21.43	21.55	21.47	22.00
ISPP-Rx 6	22.43	20.92	20.31	21.00	19.09	19.20	19.39	20.00	21.96	21.99	21.98	22.00
ISPP-Rx 6	20.48	20.55	20.49	21.00	19.09	19.19	19.37	20.00	21.98	21.08	21.94	23.00
ISPP-Rx 6	19.89	20.03	19.94	20.00	18.60	18.88	18.77	19.00	21.99	21.55	21.44	22.00
ISPP-Rx 6	19.03	19.03	19.04	20.00	18.63	18.75	18.92	19.00	21.43	21.35	21.47	22.00
ISPP-Rx 6	20.15	20.47	20.16	21.00	19.12	19.36	19.49	20.00	21.95	22.04	21.90	23.00
ISPP-Rx 6	19.13	18.44	18.14	19.00	17.09	17.31	17.46	18.00	19.02	20.00	19.01	21.00
ISPP-Rx 6	19.15	18.38	18.08	20.00	18.11	18.36	18.53	19.00	20.95	21.00	20.93	22.00
ISPP-Rx 6	18.59	18.38	18.16	19.00	17.00	17.20	17.51	18.00	19.97	19.99	19.95	21.00
ISPP-Rx 6	20.22	20.45	20.10	21.00	19.08	19.32	19.44	20.00	21.92	22.02	21.90	23.00



Band 2_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Turn-on (sec)	MPR (dB)	
Channel	Frequency (MHz)	1800	1800	1800	1800	1800			
20	QPSK	1	0	21.20	21.20	21.34			
20	QPSK	1	48	21.20	21.42	21.77			
20	QPSK	1	96	21.09	21.29	21.34			22.6
20	QPSK	1	144	21.09	21.60	21.19			
20	QPSK	1	192	21.08	21.29	21.26			
20	QPSK	50	50	21.04	21.22	20.93			22.6
20	QPSK	100	0	21.11	21.32	21.16			
20	QPSK	150	0	21.11	21.29	21.13			
20	16QAM	1	48	20.93	21.23	20.94			22.6
20	16QAM	99	21	21.06	21.35	21.03			
20	16QAM	99	50	20.98	20.92	20.92			
20	16QAM	99	99	20.79	20.77	20.84			22
20	16QAM	50	24	20.74	20.75	20.78			21
20	16QAM	50	50	20.68	20.62	20.52			
20	16QAM	50	99	20.77	20.69	20.76			
20	16QAM	1	0	20.75	20.69	20.62			
20	16QAM	1	48	20.58	21.02	20.61			22
20	16QAM	1	96	20.79	20.77	20.84			
20	16QAM	50	0	19.92	19.91	19.94			
20	16QAM	50	24	19.59	19.91	19.70			21
20	16QAM	50	50	19.68	19.76	19.52			
20	16QAM	50	99	19.74	19.79	19.68			
20	256QAM	1	48	17.65	17.69	17.69			19
20	256QAM	1	96	17.62	17.69	17.78			
20	256QAM	1	144	17.75	17.62	17.82			
20	256QAM	50	24	17.79	17.69	17.84			19
20	256QAM	50	50	17.81	17.65	17.67			
20	256QAM	100	0	17.89	17.69	17.76			
Channel	Frequency (MHz)	1800	1800	1800	1800	1800	Turn-on (sec)	MPR (dB)	
15	QPSK	1	0	21.13	21.49	21.26			22.6
15	QPSK	1	24	20.99	21.30	21.06			
15	QPSK	1	74	21.04	21.24	20.99			
15	QPSK	36	36	20.94	21.37	21.07			22.6
15	QPSK	75	0	21.03	21.41	21.01			
15	QPSK	36	36	20.95	21.08	20.87			
15	16QAM	1	0	21.05	21.27	21.07			22.6
15	16QAM	1	48	21.05	21.25	21.01			
15	16QAM	36	36	20.93	20.94	20.73			
15	16QAM	36	20	20.64	20.66	20.71			22
15	16QAM	75	0	20.66	20.77	20.70			
15	16QAM	1	0	20.63	20.67	20.72			21
15	16QAM	1	48	20.63	20.67	20.64			
15	16QAM	1	74	20.72	20.77	20.50			
15	16QAM	36	0	19.56	19.75	19.50			
15	16QAM	36	36	19.55	19.75	19.42			21
15	16QAM	75	0	19.68	19.71	19.52			
15	256QAM	1	0	17.62	17.68	17.62			19
15	256QAM	1	24	17.62	17.68	17.58			
15	256QAM	1	74	17.87	17.74	17.67			
15	256QAM	36	36	17.86	17.78	17.82			19
15	256QAM	36	20	17.76	17.81	17.72			
15	256QAM	75	0	17.89	17.86	17.74			19
Channel	Frequency (MHz)	1800	1800	1800	1800	1800	Turn-on (sec)	MPR (dB)	
10	QPSK	1	0	21.05	21.45	21.05			22.6
10	QPSK	1	24	21.06	21.34	21.04			
10	QPSK	1	48	20.95	21.21	20.98			
10	QPSK	1	96	20.96	21.45	20.96			22.6
10	QPSK	25	10	20.99	21.21	20.99			
10	QPSK	25	25	20.97	21.10	20.86			
10	16QAM	1	0	20.95	21.17	20.97			22.6
10	16QAM	1	24	20.81	21.07	20.79			
10	16QAM	1	48	20.82	21.04	20.82			
10	16QAM	25	10	20.93	20.74	20.74			22
10	16QAM	25	12	20.67	20.75	20.65			
10	16QAM	25	12	20.62	20.72	20.62			21
10	16QAM	1	0	20.65	20.67	20.67			
10	16QAM	1	0	20.70	20.68	20.73			22
10	16QAM	1	48	20.64	20.68	20.62			
10	16QAM	1	48	20.68	20.68	20.51			
10	16QAM	25	10	19.53	19.75	19.51			21
10	16QAM	25	12	19.52	19.71	19.52			
10	16QAM	25	10	19.55	19.60	19.42			
10	16QAM	50	0	19.64	19.71	19.63			19
10	256QAM	1	0	17.66	17.68	17.62			
10	256QAM	1	24	17.52	17.62	17.57			19
10	256QAM	1	48	17.60	17.67	17.71			
10	256QAM	1	74	17.65	17.77	17.72			19
10	256QAM	25	12	17.68	17.68	17.68			
10	256QAM	25	25	17.71	17.62	17.55			19
Channel	Frequency (MHz)	1800	1800	1800	1800	1800	Turn-on (sec)	MPR (dB)	
5	QPSK	1	0	21.07	21.47	21.07			22.6
5	QPSK	1	12	21.01	21.34	21.01			
5	QPSK	1	24	21.02	21.21	20.98			
5	QPSK	1	36	21.04	21.37	21.04			22.6
5	QPSK	12	12	20.98	21.23	20.98			
5	QPSK	12	12	20.97	21.16	20.85			
5	QPSK	12	12	20.99	21.21	20.98			22.6
5	16QAM	1	0	21.02	21.18	20.97			
5	16QAM	1	12	20.82	21.10	20.82			22.6
5	16QAM	1	12	20.80	21.05	20.80			
5	16QAM	12	0	20.54	20.78	20.58			
5	16QAM	12	7	20.68	20.75	20.66			22
5	16QAM	12	6	20.55	20.66	20.56			
5	16QAM	25	0	20.61	20.70	20.61			
5	16QAM	1	0	20.70	20.69	20.71			22
5	16QAM	1	12	20.48	20.67	20.52			
5	16QAM	1	24	20.65	20.62	20.57			
5	16QAM	12	9	19.64	19.64	19.54			21
5	16QAM	12	9	19.45	19.66	19.39			
5	16QAM	12	18	19.63	19.71	19.63			
5	16QAM	25	0	19.61	19.71	19.59			19
5	256QAM	1	0	17.67	17.67	17.58			
5	256QAM	1	12	17.63	17.62	17.64			19
5	256QAM	1	24	17.79	17.66	17.71			
5	256QAM	12	12	17.65	17.68	17.77			19
5	256QAM	12	7	17.71	17.65	17.74			
5	256QAM	12	18	17.71	17.66	17.59			19
Channel	Frequency (MHz)	1800	1800	1800	1800	1800	Turn-on (sec)	MPR (dB)	
3	QPSK	1	0	21.14	21.46	21.27			22.6
3	QPSK	1	6	21.08	21.31	21.01			
3	QPSK	1	14	21.01	21.24	21.01			
3	QPSK	1	24	21.04	21.47	21.14			22.6
3	QPSK	8	4	21.00	21.14	20.94			
3	QPSK	8	7	20.91	21.10	20.83			22.6
3	QPSK	8	7	21.00	21.25	21.05			
3	16QAM	1	0	21.05	21.16	20.99			
3	16QAM	1	8	20.87	21.17	20.80			22.6
3	16QAM	1	8	20.99	21.25	20.87			
3	16QAM	8	0	20.48	20.75	20.64			22
3	16QAM	8	4	20.64	20.65	20.63			
3	16QAM	8	4	20.60	20.69	20.59			22
3	16QAM	16	0	20.72	20.62	20.61			
3	16QAM	1	0	20.61	20.68	20.76			22
3	16QAM	1	20	20.40	20.68	20.48			
3	16QAM	1	14	20.70	20.61	20.54			
3	16QAM	8	0	19.54	19.61	19.54			21
3	16QAM	8	7	19.45	19.70	19.35			
3	16QAM	8	7	19.56	19.64	19.41			
3	16QAM	1	0	17.74	17.64	17.64			19
3	16QAM	8	0	17.64	17.66	17.57			19
3	16QAM	8	7	17.65	17.73	17.67			
3	16QAM	8	7	17.73	17.77	17.74			19
3	256QAM	8	4	17.74	17.75	17.76			19
3	256QAM	8	7	17.67	17.73	17.63			
3	256QAM	16	0	17.71	17.68	17.69			19
Channel	Frequency (MHz)	1800	1800	1800	1800	1800	Turn-on (sec)	MPR (dB)	
1.4	QPSK	1	0	21.11	21.40	21.19			22.6
1.4	QPSK	1	3	21.06	21.20	21.02			
1.4	QPSK	1	5	21.02	21.10	20.98			
1.4	QPSK	1	24	21.00	21.42	21.00			24
1.4	QPSK	3	1	21.01	21.16	21.01			
1.4	QPSK	3	3	20.99	21.10	20.97			22.6
1.4	QPSK	3	3	20.99	21.10	20.95			
1.4	16QAM	1	0	21.02	21.21	21.06			
1.4	16QAM	1	3	20.90	21.27	20.94			22.6
1.4	16QAM	3	0	20.62	20.78	20.69			
1.4	16QAM	3	3	20.62	20.71	20.61			
1.4	16QAM	3	3	20.68	20.75	20.62			22
1.4	16QAM	3	3	20.67	20.76	20.63			
1.4	16QAM	1	0	20.49	20.69	20.48			
1.4	16QAM	1	3	20.72	20.67	20.53			22
1.4	16QAM	3	0	20.51	20.61	20.54			
1.4	16QAM	3	3	20.15	20.50	20.16			21
1.4	16QAM	3	3	20.13	20.56	20.13			
1.4	16QAM	3	3	19.81	19.79	19.86			21
1.4	256QAM	1	0	17.66	17.67	17.59			
1.4	256QAM	1	3	17.60	17.62	17.61			19
1.4	256QAM	1	3	17.65	17.68	17.68			



Band 5_Ant 0												
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Max Ch / Freq	Power Min Ch / Freq	Power Peak Ch / Freq	Turn-up time (sec)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.48	22.56	22.53	24	0				
10	QPSK	1	26	22.43	22.49	22.47						
10	QPSK	1	49	22.40	22.31	22.43						
10	QPSK	25	0	21.48	21.63	21.62	23	1				
10	QPSK	25	12	21.48	21.60	21.53						
10	QPSK	25	25	21.49	21.54	21.48						
10	QPSK	50	0	21.47	21.60	21.52	23	1				
10	16QAM	1	26	21.91	21.75	21.89						
10	16QAM	1	49	22.11	21.77	21.84						
10	16QAM	1	26	21.83	21.66	21.86	22	2				
10	16QAM	25	0	20.44	20.58	20.48						
10	16QAM	25	12	20.51	20.61	20.52						
10	16QAM	25	25	20.49	20.66	20.63	22	2				
10	16QAM	50	0	20.50	20.51	20.59						
10	16QAM	50	1	20.59	20.59	20.64						
10	64QAM	1	26	20.07	20.26	20.52	22	2				
10	64QAM	1	49	20.79	20.32	20.26						
10	64QAM	25	0	19.32	19.49	19.40						
10	64QAM	25	12	19.50	19.55	19.54	21	3				
10	64QAM	25	25	19.48	19.59	19.40						
10	64QAM	50	0	19.57	19.59	19.37						
10	256QAM	1	26	17.86	17.94	17.92	19	5				
10	256QAM	1	25	17.85	18.00	17.94						
10	256QAM	1	49	17.87	17.86	17.94						
10	256QAM	25	0	17.81	17.91	17.93	19	5				
10	256QAM	25	12	17.90	17.89	18.01						
10	256QAM	25	25	17.88	17.82	17.91						
10	256QAM	50	0	17.91	17.90	17.92	Turn-up time (sec)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.41	22.33	22.37	24	0				
10	QPSK	1	26	22.20	22.49	22.29						
10	QPSK	1	49	22.29	22.34	22.45						
10	QPSK	12	0	21.51	21.41	21.48	23	1				
10	QPSK	12	7	21.38	21.55	21.55						
10	QPSK	12	13	21.36	21.51	21.58						
10	QPSK	25	0	21.43	21.46	21.49	23	1				
10	16QAM	1	26	21.70	21.80	21.81						
10	16QAM	1	12	21.70	22.09	21.89						
10	16QAM	12	0	20.48	20.58	20.47	22	2				
10	16QAM	12	7	20.58	20.56	20.47						
10	16QAM	25	0	20.39	20.42	20.43						
10	64QAM	1	0	21.25	21.42	21.68	21	3				
10	64QAM	12	0	21.69	21.60	21.48						
10	64QAM	1	24	21.57	21.51	21.55						
10	64QAM	12	0	20.27	20.22	20.38	19	5				
10	64QAM	12	13	20.59	20.49	20.29						
10	64QAM	12	13	20.35	20.40	20.52						
10	64QAM	25	0	20.26	20.38	20.39	19	5				
10	256QAM	1	12	17.75	17.89	17.81						
10	256QAM	1	24	17.80	17.87	17.81	19	5				
10	256QAM	12	0	17.82	17.84	17.86						
10	256QAM	12	7	17.78	17.79	17.94	19	5				
10	256QAM	12	13	17.83	17.79	17.81						
10	256QAM	25	0	17.82	17.85	17.78	Turn-up time (sec)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.25	22.24	22.24	24	0				
10	QPSK	1	14	22.28	22.47	22.24						
10	QPSK	1	13	22.30	22.32	22.44						
10	QPSK	3	0	21.30	21.49	21.43	23	1				
10	QPSK	8	7	21.38	21.43	21.31						
10	QPSK	3	1	21.36	21.42	21.44						
10	16QAM	1	0	21.86	21.60	21.62	23	1				
10	16QAM	1	8	21.87	21.44	21.34						
10	16QAM	1	16	21.85	21.67	21.62						
10	16QAM	8	4	20.48	20.65	20.54	22	2				
10	16QAM	8	7	20.46	20.57	20.36						
10	16QAM	16	0	20.30	20.48	20.43						
10	64QAM	1	0	20.96	20.72	20.79	22	2				
10	64QAM	1	8	20.76	20.80	20.76						
10	64QAM	1	14	20.78	20.81	20.86						
10	64QAM	8	0	19.87	19.81	19.43	21	3				
10	64QAM	8	4	19.83	19.72	19.87						
10	64QAM	8	7	19.45	19.46	19.36						
10	64QAM	15	0	19.23	19.43	19.39	19	5				
10	256QAM	1	8	17.75	17.83	17.79						
10	256QAM	1	14	17.81	17.83	17.84						
10	256QAM	8	0	17.69	17.79	17.84	19	5				
10	256QAM	8	4	17.84	17.77	17.86						
10	256QAM	8	7	17.83	17.86	17.76						
10	256QAM	15	0	17.82	17.85	17.87	Turn-up time (sec)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.25	22.24	22.24	24	0				
10	QPSK	1	12	22.28	22.34	22.43						
10	QPSK	1	5	22.27	22.32	22.15						
10	QPSK	1	0	22.34	22.33	22.42	24	0				
10	QPSK	3	0	22.38	22.49	22.42						
10	QPSK	3	3	22.27	22.34	22.35						
10	QPSK	8	0	21.42	21.27	21.44	23	1				
10	16QAM	1	0	21.52	21.67	21.76						
10	16QAM	1	3	21.48	21.74	21.91						
10	16QAM	1	5	21.51	21.53	21.76	23	1				
10	16QAM	3	0	21.68	21.49	21.33						
10	16QAM	3	1	21.54	21.68	21.48						
10	16QAM	15	0	20.47	20.39	20.30	22	2				
10	16QAM	1	0	20.42	20.39	21.07						
10	16QAM	1	3	20.50	20.50	20.50						
10	64QAM	1	0	20.85	20.50	20.71	22	2				
10	64QAM	1	5	20.53	20.24	20.69						
10	64QAM	3	0	20.27	20.31	20.63						
10	64QAM	3	3	20.13	20.27	20.52	21	3				
10	64QAM	0	0	19.44	19.35	19.47						
10	256QAM	1	0	17.70	17.81	17.76						
10	256QAM	1	3	17.76	17.86	17.82	19	5				
10	256QAM	1	5	17.86	17.79	17.76						
10	256QAM	3	0	17.85	17.84	17.80						
10	256QAM	3	1	17.84	17.75	17.86	19	5				
10	256QAM	3	3	17.79	17.76	17.83						
10	256QAM	5	0	17.85	17.86	17.71						

Band 7_Ant 0									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Max Ch / Freq	Power Min Ch / Freq	Power Max Ch / Freq	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.81	20.86	20.92	21	0	
20	QPSK	1	49	20.79	20.87	20.85			
20	QPSK	1	99	20.79	20.87	20.85			
20	QPSK	50	24	20.56	20.73	20.63	21	0	
20	QPSK	50	0	20.58	20.75	20.61			
20	QPSK	50	50	20.55	20.78	20.67			
20	16QAM	100	0	20.56	20.78	20.61	21	0	
20	16QAM	100	1	20.71	20.84	20.86			
20	16QAM	1	49	20.77	20.90	20.94			
20	16QAM	1	99	20.66	20.86	20.85	21	0	
20	16QAM	50	0	20.71	20.72	20.71			
20	16QAM	50	24	20.77	20.83	20.75			
20	16QAM	50	50	20.74	20.84	20.87	21	0	
20	16QAM	100	0	20.75	20.88	20.79			
20	16QAM	100	1	20.71	20.88	20.85			
20	16QAM	1	49	20.68	20.71	20.71	19	2.9	
20	16QAM	1	99	20.71	20.75	20.75			
20	16QAM	50	24	20.37	20.31	20.42			
20	16QAM	50	0	20.27	20.40	20.45	21	0	
20	16QAM	50	50	20.30	20.43	20.45			
20	256QAM	1	0	18.10	18.21	18.15			
20	256QAM	1	49	18.10	18.01	18.26	19	2.9	
20	256QAM	1	99	18.15	18.04	18.15			
20	256QAM	50	24	18.12	18.10	18.20			
20	256QAM	50	0	18.11	18.14	18.14	19	2.9	
20	256QAM	50	50	18.12	18.17	18.22			
20	256QAM	100	0	20.62	21.00	21.05			
Channel									
Frequency (MHz)									
16	QPSK	1	0	20.71	20.87	20.90	21	0	
16	QPSK	1	49	20.79	20.83	20.88			
16	QPSK	1	99	20.78	20.86	20.87			
16	QPSK	36	0	20.61	20.73	20.61	21	0	
16	QPSK	36	26	20.59	20.64	20.67			
16	QPSK	36	56	20.56	20.62	20.65			
16	16QAM	72	0	20.53	20.68	20.58	21	0	
16	16QAM	1	0	20.64	20.73	20.81			
16	16QAM	1	49	20.72	20.75	20.75			
16	16QAM	1	74	20.59	20.85	20.75	21	0	
16	16QAM	36	0	20.62	20.62	20.79			
16	16QAM	36	26	20.63	20.63	20.63			
16	16QAM	36	56	20.76	20.78	20.86	21	0	
16	16QAM	75	0	20.75	20.88	20.68			
16	16QAM	75	26	20.62	20.75	20.65			
16	16QAM	1	0	20.67	20.72	20.65	21	0	
16	16QAM	1	74	20.64	20.78	20.63			
16	16QAM	36	26	20.54	20.54	20.58			
16	16QAM	36	56	20.34	20.24	20.36	21	0	
16	16QAM	36	99	20.18	20.38	20.46			
16	16QAM	75	0	20.27	20.38	20.38			
16	256QAM	1	0	18.00	18.17	18.13	19	2.0	
16	256QAM	1	49	17.98	17.99	18.26			
16	256QAM	1	99	18.01	18.02	18.17			
16	256QAM	36	0	18.15	18.00	18.11	19	2.9	
16	256QAM	36	26	18.04	17.98	18.15			
16	256QAM	36	56	18.09	18.13	18.12			
16	256QAM	75	0	18.19	18.13	18.12	20	0	
16	256QAM	75	26	20.60	21.00	21.04			
16	256QAM	100	0	20.87	21.01	21.06			
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.67	20.91	20.94	21	0	
10	QPSK	1	49	20.82	20.82	20.82			
10	QPSK	1	99	20.81	20.83	20.87			
10	QPSK	58	26	20.68	20.68	20.68	21	0	
10	QPSK	24	12	20.63	20.64	20.69			
10	QPSK	24	50	20.67	20.67	20.67			
10	16QAM	116	0	20.49	20.62	20.55	21	0	
10	16QAM	1	0	20.67	20.79	20.83			
10	16QAM	1	49	20.62	20.75	20.83			
10	16QAM	25	0	20.68	20.68	20.68	21	0	
10	16QAM	25	26	20.67	20.67	20.67			
10	16QAM	25	50	20.60	20.70	20.74			
10	16QAM	50	0	20.71	20.85	20.80	21	0	
10	16QAM	50	24	20.74	20.74	20.74			
10	16QAM	1	26	20.61	20.61	20.61			
10	16QAM	1	49	20.66	20.74	20.66	21	0	
10	16QAM	25	12	20.39	20.25	20.42			
10	16QAM	25	26	20.36	20.39	20.38			
10	16QAM	25	50	20.35	20.35	20.35	21	0	
10	256QAM	1	0	17.96	18.13	18.08			
10	256QAM	1	26	18.05	17.93	18.15			
10	256QAM	25	12	18.12	18.07	18.18	19	2.9	
10	256QAM	25	26	18.07	18.07	18.15			
10	256QAM	25	50	18.17	18.12	18.13			
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.74	20.93	21.00	21	0	
5	QPSK	1	12	20.84	20.86	20.88			
5	QPSK	1	24	20.84	20.87	20.85			
5	QPSK	1	36	20.84	20.77	20.77	21	0	
5	QPSK	12	0	20.63	20.71	20.70			
5	QPSK	12	19	20.56	20.68	20.62			
5	QPSK	1	0	20.74	20.81	20.79	21	0	
5	QPSK	1	0	20.63	20.84	20.87			
5	QPSK	1	12	20.72	20.79	20.80			
5	QPSK	1	36	20.70	20.78	20.78	21	0	
5	QPSK	12	0	20.66	20.66	20.72			
5	QPSK	12	7	20.67	20.74	20.74			
5	QPSK	1	0	20.75	20.82	20.83	21	0	
5	QPSK	25	0	20.64	20.67	20.72			
5	QPSK	1	0	20.63	20.85	20.86			
5	QPSK	1	0	20.69	20.79	20.79	21	0	
5	QPSK	1	24	20.58	20.64	20.65			
5	QPSK	12	0	20.29	20.25	20.31			
5	QPSK	1	0	20.21	20.33	20.33	19	0	
5	QPSK	12	18	20.17	20.30	20.30			
5	QPSK	25	0	20.21	20.40	20.26			
5	256QAM	1	0	18.03	18.14	18.14	19	2.9	
5	256QAM	1	12	18.07	17.90	18.21			
5	256QAM	1	24	18.09	18.08	18.23			
5	256QAM	1	36	18.12	18.07	18.18	19	2.9	
5	256QAM	12	0	18.02	18.08	18.19			
5	256QAM	12	15	18.03	18.09	18.16			



Band 13_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq.	Power Mod Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.60	22.60	22.60	24	0	
10	QPSK	1	25	22.64	22.64	22.64			
10	QPSK	1	49	22.58	22.58	22.58			
10	QPSK	25	0	21.68	21.68	21.68			
10	QPSK	25	12	21.65	21.65	21.65			
10	QPSK	25	25	21.60	21.60	21.60	23	1	
10	QPSK	50	0	21.54	21.54	21.54			
10	HQAM	1	0	21.73	21.73	21.73			
10	HQAM	1	25	22.10	22.10	22.10	23	1	
10	HQAM	1	49	21.82	21.82	21.82			
10	HQAM	25	0	20.52	20.52	20.52			
10	HQAM	25	12	20.57	20.57	20.57	22	2	
10	HQAM	25	25	20.62	20.62	20.62			
10	HQAM	50	0	20.57	20.57	20.57			
10	HQAM	1	0	20.81	20.81	20.81	22	2	
10	HQAM	1	25	20.92	20.92	20.92			
10	HQAM	1	49	20.89	20.89	20.89			
10	HQAM	25	0	19.85	19.85	19.85			
10	HQAM	25	12	19.84	19.84	19.84	21	3	
10	HQAM	25	25	19.83	19.83	19.83			
10	HQAM	50	0	19.56	19.56	19.56			
10	SSBQAM	1	0	18.04	18.04	18.04			
10	SSBQAM	1	25	18.05	18.05	18.05	19	5	
10	SSBQAM	1	49	18.11	18.11	18.11			
10	SSBQAM	25	0	17.91	17.91	17.91			
10	SSBQAM	25	12	18.00	18.00	18.00	19	5	
10	SSBQAM	25	25	17.87	17.87	17.87			
10	SSBQAM	50	0	17.81	17.81	17.81			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.64	22.63	22.65	24	0	
5	QPSK	1	24	22.63	22.48	22.50			
5	QPSK	12	0	21.64	21.59	21.63			
5	QPSK	12	7	21.73	21.64	21.60	23	1	
5	QPSK	12	13	21.63	21.52	21.60			
5	QPSK	25	0	21.65	21.59	21.61			
5	HQAM	1	0	22.05	21.91	21.88	23	1	
5	HQAM	1	12	21.90	21.83	22.13			
5	HQAM	1	24	21.89	21.89	22.00			
5	HQAM	12	0	20.54	20.54	20.60	22	2	
5	HQAM	12	7	20.70	20.41	20.59			
5	HQAM	12	13	20.53	20.58	20.70			
5	HQAM	25	0	20.73	20.62	20.48			
5	HQAM	1	0	20.88	20.81	20.50	22	2	
5	HQAM	1	12	21.20	20.69	20.69			
5	HQAM	1	24	21.27	20.90	20.54			
5	HQAM	12	0	19.72	19.71	19.74			
5	HQAM	12	7	19.66	19.72	19.87	21	3	
5	HQAM	12	13	19.80	19.75	19.83			
5	HQAM	25	0	19.46	19.65	19.55			
5	SSBQAM	1	0	17.90	17.92	17.98			
5	SSBQAM	1	12	17.97	17.94	17.91	19	5	
5	SSBQAM	1	24	18.04	17.88	18.02			
5	SSBQAM	12	0	17.80	17.84	17.76			
5	SSBQAM	12	7	17.85	17.84	17.82	19	5	
5	SSBQAM	12	13	17.89	17.82	17.82			
5	SSBQAM	25	0	17.85	17.84	17.77			

Band 17_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq.	Power Mod Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.71	22.77	22.74	24	0	
10	QPSK	1	25	22.66	22.76	22.70			
10	QPSK	1	49	22.55	22.48	22.64			
10	QPSK	25	0	21.68	21.72	21.70			
10	QPSK	25	12	21.67	21.68	21.70	23	1	
10	QPSK	25	25	21.64	21.65	21.67			
10	QPSK	50	0	21.75	21.78	21.77			
10	HQAM	1	0	22.00	21.93	21.64			
10	HQAM	1	25	21.60	21.78	22.25	23	1	
10	HQAM	1	49	21.72	21.95	22.30			
10	HQAM	25	0	20.86	20.85	20.83			
10	HQAM	25	12	20.85	20.87	20.87	22	2	
10	HQAM	25	25	20.84	20.91	20.85			
10	HQAM	50	0	20.89	20.82	20.86			
10	HQAM	1	0	20.62	20.65	20.86			
10	HQAM	1	25	20.90	21.03	20.46	22	2	
10	HQAM	1	49	20.80	20.63	21.05			
10	HQAM	25	0	19.73	19.71	19.65			
10	HQAM	25	12	19.72	19.81	19.72	21	3	
10	HQAM	25	25	19.55	19.82	19.81			
10	HQAM	50	0	19.67	19.79	19.55			
10	SSBQAM	1	0	18.04	18.06	18.04			
10	SSBQAM	1	25	18.05	18.09	18.12	19	5	
10	SSBQAM	1	49	18.07	18.05	18.09			
10	SSBQAM	25	0	18.03	18.03	18.08			
10	SSBQAM	25	12	18.08	18.02	18.03	19	5	
10	SSBQAM	25	25	18.01	18.06	18.03			
10	SSBQAM	50	0	18.05	18.02	18.01			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.72	22.70	22.74	24	0	
5	QPSK	1	24	22.64	22.46	22.67			
5	QPSK	12	0	21.75	21.79	21.79			
5	QPSK	12	7	21.80	21.76	21.83	23	1	
5	QPSK	12	13	21.75	21.76	21.79			
5	QPSK	25	0	21.75	21.78	21.76			
5	HQAM	1	0	22.00	22.10	22.11	23	1	
5	HQAM	1	12	22.10	22.21	22.13			
5	HQAM	1	24	22.01	22.11	22.09			
5	HQAM	12	0	20.83	20.81	20.84			
5	HQAM	12	7	20.83	20.77	20.85	22	2	
5	HQAM	12	13	20.72	20.80	20.78			
5	HQAM	25	0	20.85	20.84	20.84			
5	HQAM	1	0	20.86	20.93	20.95	22	2	
5	HQAM	1	12	20.85	20.84	20.84			
5	HQAM	1	24	20.81	20.92	20.93			
5	HQAM	12	0	19.77	19.83	19.84			
5	HQAM	12	7	19.85	19.75	19.90	21	3	
5	HQAM	12	13	19.75	19.81	19.82			
5	HQAM	25	0	19.78	19.81	19.82			
5	SSBQAM	1	0	17.89	17.93	18.05			
5	SSBQAM	1	12	17.93	17.99	17.93	19	5	
5	SSBQAM	1	24	17.92	17.90	17.92			
5	SSBQAM	12	0	17.95	17.94	17.95			
5	SSBQAM	12	13	17.87	17.85	17.87	19	5	
5	SSBQAM	25	0	17.87	17.85	17.86			

Band 25_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq.	Power Mod Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MFR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	21.52	21.54	21.52	22.6	0			
20	QPSK	1	48	21.36	21.53	21.42					
20	QPSK	1	96	21.36	21.54	21.33					
20	QPSK	50	0	21.22	21.40	21.28	22.6	0			
20	QPSK	50	24	21.20	21.29	21.21					
20	QPSK	50	50	21.17	21.35	21.15					
20	QPSK	100	0	21.15	21.31	21.18	22.6	0			
20	HQAM	1	0	21.39	21.56	21.42					
20	HQAM	1	48	21.36	21.55	21.31					
20	HQAM	1	96	21.33	21.47	21.28	22	0.6			
20	HQAM	50	0	20.95	21.11	20.94					
20	HQAM	50	24	20.92	21.10	20.92					
20	HQAM	50	50	20.86	21.09	20.83	21	1.6			
20	HQAM	100	0	20.95	21.04	20.80					
20	HQAM	1	0	21.04	21.17	21.03					
20	HQAM	1	48	21.04	21.21	20.83	22	0.6			
20	HQAM	1	96	20.94	21.04	20.83					
20	HQAM	50	0	19.96	20.06	19.91					
20	HQAM	50	24	19.94	20.16	19.83	19	3.6			
20	HQAM	50	50	19.93	20.05	19.75					
20	HQAM	100	0	19.94	19.98	19.99					
20	SSBQAM	1	0	18.00	18.00	18.00	19	3.6			
20	SSBQAM	1	48	18.02	18.00	18.00					
20	SSBQAM	1	96	18.05	18.05	18.01					
20	SSBQAM	50	0	17.82	18.05	17.92	19	3.6			
20	SSBQAM	50	24	17.93	18.01	17.87					
20	SSBQAM	50	50	17.97	18.01	17.83					
20	SSBQAM	100	0	17.91	17.97	17.82	19	3.6			
Channel											
Frequency (MHz)											
15	QPSK	1	0	21.35	21.57	21.45	22.6	0			
15	QPSK	1	37	21.28	21.57	21.34					
15	QPSK	1	74	21.38	21.49	21.29					
15	QPSK	36	0	21.07	21.30	21.18	22.6	0			
15	QPSK	36	36	21.06	21.27	21.08					
15	QPSK	36	74	21.13	21.30	21.09					
15	QPSK	144	0	21.14	21.30	21.16	22.6	0			
15	QPSK	144	72	21.12	21.29	21.13					
15	QPSK	144	144	21.20	21.29	21.18					
15	HQAM	1	0	21.30	21.54	21.21	22.6	0			
15	HQAM	1	37	21.28	21.51	21.25					
15	HQAM	1	74	21.27	21.44	21.22					
15	HQAM	36	0	20.90	21.00	20.89	22	0.6			
15	HQAM	36	36	20.87	21.14	20.87					
15	HQAM	36	72	20.99	21.02	20.89					
15	HQAM	50	0	20.84	20.98	20.85	22	0.6			
15	HQAM	50	24	20.86	21.11	20.86					
15	HQAM	50	48	20.88	21.16	20.88					
15	HQAM	100	0	20.85	20.95	20.78	21	1.6			
15	HQAM	100	50	20.88	20.98	20.85					
15	HQAM	1	0	19.92	20.08	19.95					
15	SSBQAM	1	0	18.00	18.00	18.00	19	3.6			
15	SSBQAM	1	37	18.02	18.00	18.00					
15	SSBQAM	1	74	18.05	18.05	18.01					
15	SSBQAM	36	0	17.82	18.05	17.92	19	3.6			
15	SSBQAM	36	36	17.93	18.01	17.87					
15	SSBQAM	36	72	17.97	18.01	17.83					
15	SSBQAM	144	0	17.91	17.97	17.82	19	3.6			
Channel											
Frequency (MHz)											
5	QPSK	1	0	21.38	21.58	21.48	22.6	0			
5	QPSK	1	18	21.36	21.57	21.34					
5	QPSK	1	36	21.38	21.52	21.36					
5	QPSK	12	0	21.12	21.32	21.13	22.6	0			
5	QPSK	12	36	21.17	21.30	21.08					
5	QPSK	12	72	21.23	21.33	21.13					
5	QPSK	24	0	21.10	21.20	21.10	22.6	0			
5	HQAM	1	0	21.27	21.50	21.35					
5	HQAM	1	18	21.42	21.50	21.35					
5	HQAM	1	36	21.32	21.45	21.23	22	0.6			
5	HQAM	12	0	20.94	21.03	20.92					
5	HQAM	12	36	20.95	21.04	20.92					
5	HQAM	12	72	20.96	21.04	20.97	22	0.6			
5	HQAM	24	0	20.90	20.94	20.87					
5	HQAM	24	36	20.95	21.00	20.89					
5	HQAM	1	0	19.90	20.08	19.95	22	0.6			
5	HQAM	1	18	19.92	20.12	19.98					
5	HQAM	1	36	20.00	20.14	20.02					
5	HQAM	12	0	19.88	20.02	19.86	21	1.6			
5	HQAM	12	36	19.88	20.08	19.79					
5	HQAM	12	72	19.98	20.08	19.94					
5	SSBQAM	1	0	18.00	18.00	18.00	19	3.6			
5	SSBQAM	1	18	18.02	18.00	18.00					
5	SSBQAM	1	36	18.05	18.05	18.01					
5	SSBQAM	12	0	17.82	18.05	17.92	19	3.6			
5	SSBQAM	12	36	17.93	18.01	17.87					
5	SSBQAM	12	72	17.97	18.01	17.83					
5	SSBQAM	24	0	17.91	17.97	17.82	19	3.6			
Channel											
Frequency (MHz)											
3	QPSK	1	0	21.41	21.59	21.59	22.6	0			
3	QPSK	1	6	21.38	21.52	21.34					
3	QPSK	1	12	21.39	21.45	21.21					
3	QPSK	8	0	21.09	21.29	21.14	22.6	0			
3	QPSK	8	6	21.20	21.27	21.14					
3	QPSK	8	12	21.19	21.30	21.09					
3	QPSK	16	0	21.08	21.20	21.12	22.6	0			
3	HQAM	1	0	21.57	21.60	21.57					
3	HQAM	1	6	21.26	21.51	21.21					
3	HQAM	1	12	21.26	21.51	21.21	22	0.6			
3	HQAM	8	0	21.26	21.37	21.23					
3	HQAM	8	6	21.05	21.05	20.93					
3	HQAM	8	12	20.97	20.99	20.79	22	0.6			
3	HQAM	16	0	20.98	21.04	20.94					
3	HQAM	16	6	20.95	21.14	20.95					
3	HQAM	8	0	20.93	21.14	20.86	21	1.6			
3	HQAM	8	6	20.97	21.03	20.90					
3	HQAM	8	12	20.91	21.08	20.94					
3	HQAM	16	0	19.91	20.01	19.87	19	3.6			
3	HQAM	16	6	19.88	20.08	19.84					
3	SSBQAM	1	0	18.00	18.00	18.00					
3	SSBQAM	1	6	18.02	18.00	18.00	19	3.6			
3	SSBQAM	1	12	18.04	18.04	18.00					
3	SSBQAM	8	0	17.82	18.05	17.92					
3	SSBQAM	8	6	17.93	18.01	17.87	19	3.6			
3	SSBQAM	8	12	17.97	18.01	17.83					
3	SSBQAM	16	0	17.91	17.97	17.82					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	21.36	21.58	21.48	22.6	0			
1.4	QPSK	1	6	21.38	21.52	21.34					
1.4	QPSK	1	12	21.45	21.29	21.21					
1.4	QPSK	1	0	21.23	21.43	21.21	22.6	0			
1.4	QPSK	3	0	21.14	21.26	21.14					
1.4	QPSK	3	6	21.12	21.26	21.11					
1.4	QPSK	3	12	21.15	21.21	21.04	22.6	0			
1.4	HQAM	1	0	21.55	21.58	21.55					
1.4	HQAM	1	6	21.34	21.51	21.28					
1.4	HQAM	1	12	21.27	21.38	21.22	22	0.6			
1.4	HQAM	3	0	21.08	21.08	20.95					
1.4	HQAM	3	6	20.84	21.09	20.89					
1.4	HQAM	3	12	20.97	21.05	20.97	22	0.6			
1.4	HQAM	6	0	20.98	21.08	20.97					
1.4	HQAM	6	6	21.01	21.11	20.98					
1.4	HQAM	6	12	21.15	20.96	20.98	21	1.6			
1.4	HQAM	12	0	20.94	21.00	20.75					
1.4	HQAM	12	6	19.85	20.93	20.95					
1.4	SSBQAM	1	0	18.00	18.00	18.00	19	3.6			
1.4	SSBQAM	1	6	18.02	18.00	18.00					
1.4	SSBQAM	1	12	18.05	18.05	18.01					
1.4	SSBQAM	3	0	17.83	18.01	17.87	19	3.6			
1.4	SSBQAM	3	6	17.93	18.01	17.83					
1.4	SSBQAM	3	12	17.97	18.01	17.83					

Band 26_Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.56	22.56	22.53	24	0						
15	QPSK	1	31	22.56	22.55	22.51								
15	QPSK	1	74	22.53	22.53	22.48								
15	QPSK	36	0	21.80	21.81	21.79								
15	QPSK	36	20	21.72	21.88	21.73	23	1						
15	QPSK	36	39	21.57	21.78	21.67								
15	QPSK	75	0	21.71	21.76	21.67								
15	16QAM	75	9	21.76	22.23	22.10								
15	16QAM	1	37	22.14	22.21	21.83	23	1						
15	16QAM	1	74	21.80	21.82	22.09								
15	16QAM	36	0	20.68	20.90	20.95								
15	16QAM	36	20	20.74	20.93	20.94								
15	16QAM	36	39	20.74	20.93	20.94	22	2						
15	16QAM	75	9	20.77	20.94	20.92								
15	16QAM	1	0	20.99	21.05	20.94								
15	16QAM	1	37	20.94	20.96	20.81								
15	16QAM	1	74	20.99	21.08	20.81	21	3						
15	16QAM	36	0	19.72	19.77	19.77								
15	16QAM	36	20	19.75	19.80	19.75								
15	16QAM	36	39	19.83	19.84	19.80								
15	16QAM	75	9	19.87	19.86	19.82	19	5						
15	256QAM	1	0	17.83	17.81	17.84								
15	256QAM	1	37	17.75	17.83	17.81								
15	256QAM	1	74	17.84	17.82	17.80								
15	256QAM	36	0	17.84	17.82	17.80	19	5						
15	256QAM	36	20	17.89	17.72	17.72								
15	256QAM	36	39	17.73	17.78	17.77								
15	256QAM	75	9	17.71	17.75	17.80								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.51	22.45	22.47	24	0						
15	QPSK	1	26	22.50	22.49	22.52								
15	QPSK	1	49	22.50	22.51	22.48								
15	QPSK	25	0	21.63	21.55	21.58								
15	QPSK	25	12	21.60	21.56	21.59	23	1						
15	QPSK	25	20	21.58	21.62	21.63								
15	QPSK	50	0	21.62	21.58	21.58								
15	16QAM	50	1	21.58	21.70	21.68								
15	16QAM	1	29	21.82	21.83	21.89	23	1						
15	16QAM	1	49	21.89	21.87	21.88								
15	16QAM	25	0	20.66	20.65	20.61								
15	16QAM	25	12	20.65	20.62	20.60								
15	16QAM	25	20	20.62	20.57	20.57	22	2						
15	16QAM	50	0	20.62	20.57	20.58								
15	16QAM	1	0	20.83	20.75	20.75								
15	16QAM	1	25	20.90	20.72	20.69								
15	16QAM	1	49	20.98	20.72	20.71	21	3						
15	16QAM	25	0	19.87	19.82	19.82								
15	16QAM	25	12	19.87	19.82	19.82								
15	16QAM	25	20	19.82	19.87	19.85								
15	16QAM	50	0	19.85	19.88	19.89	19	5						
15	256QAM	1	0	17.72	17.71	17.77								
15	256QAM	1	25	17.82	17.67	17.68								
15	256QAM	1	49	17.67	17.67	17.65								
15	256QAM	25	12	17.84	17.80	17.80	19	5						
15	256QAM	25	20	17.86	17.81	17.86								
15	256QAM	50	0	17.86	17.81	17.86								
15	256QAM	50	9	17.86	17.81	17.86								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.51	22.51	22.52	24	0						
5	QPSK	1	12	22.50	22.50	22.47								
5	QPSK	1	24	22.51	22.51	22.45								
5	QPSK	12	0	21.57	21.57	21.57								
5	QPSK	12	7	21.59	21.59	21.56	23	1						
5	QPSK	12	13	21.64	21.59	21.52								
5	QPSK	12	19	21.58	21.60	21.61								
5	16QAM	7	0	21.94	21.80	21.82								
5	16QAM	1	12	21.80	21.88	21.75	23	1						
5	16QAM	1	49	21.88	21.85	21.88								
5	16QAM	12	0	20.59	20.54	20.51								
5	16QAM	12	7	20.61	20.58	20.60								
5	16QAM	12	13	20.65	20.58	20.57	22	2						
5	16QAM	25	0	20.60	20.49	20.59								
5	16QAM	1	0	20.73	20.71	20.63								
5	16QAM	1	49	20.67	20.73	20.69								
5	16QAM	1	24	20.72	20.73	20.69	21	3						
5	16QAM	12	0	19.83	19.86	19.75								
5	16QAM	12	7	19.84	19.82	19.83								
5	16QAM	12	13	19.59	19.59	19.59								
5	16QAM	25	0	19.80	19.80	19.81	19	5						
5	256QAM	1	0	17.88	17.86	17.87								
5	256QAM	1	12	17.59	17.76	17.74								
5	256QAM	1	24	17.59	17.76	17.85								
5	256QAM	12	0	17.53	17.60	17.67	19	5						
5	256QAM	12	7	17.56	17.62	17.66								
5	256QAM	12	13	17.58	17.62	17.66								
5	256QAM	25	0	17.64	17.59	17.59								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.41	22.45	22.48	24	0						
3	QPSK	1	8	22.52	22.45	22.50								
3	QPSK	1	14	22.48	22.52	22.44								
3	QPSK	8	0	21.45	21.47	21.45								
3	QPSK	8	4	21.57	21.61	21.56	23	1						
3	QPSK	8	7	21.59	21.56	21.47								
3	QPSK	16	0	21.48	21.47	21.35								
3	16QAM	1	0	21.93	21.85	21.79								
3	16QAM	1	8	21.93	21.86	21.87	23	1						
3	16QAM	1	8	21.79	21.75	21.82								
3	16QAM	8	0	20.63	20.50	20.58								
3	16QAM	8	4	20.69	20.65	20.66								
3	16QAM	8	7	20.69	20.65	20.68	22	2						
3	16QAM	16	0	20.60	20.52	20.60								
3	16QAM	1	0	20.73	20.66	20.78								
3	16QAM	1	8	20.82	20.75	20.79								
3	16QAM	1	14	20.79	20.78	20.70	21	3						
3	16QAM	8	0	19.85	19.86	19.82								
3	16QAM	8	4	19.85	19.89	19.83								
3	16QAM	8	7	19.82	19.87	19.84								
3	16QAM	16	0	19.87	19.83	19.84	19	5						
3	256QAM	1	0	17.70	17.74	17.74	19	5						
3	256QAM	1	8	17.65	17.87	17.77								
3	256QAM	1	14	17.71	17.83	17.72								
3	256QAM	1	14	17.70	17.74	17.74								
3	256QAM	8	0	17.58	17.57	17.57								
3	256QAM	8	4	17.58	17.61	17.60								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.47	22.45	22.48	24	0						
3	QPSK	1	8	22.48	22.45	22.50								
3	QPSK	1	14	22.47	22.49	22.44								
3	QPSK	8	0	21.47	21.47	21.47								
3	QPSK	8	4	21.49	21.56	21.47	23	1						
3	QPSK	8	7	21.58	21.56	21.45								
3	QPSK	16	0	21.48	21.47	21.35								
3	16QAM	1	0	21.93	21.85	21.79								
3	16QAM	1	8	21.93	21.86	21.87	23	1						
3	16QAM	1	8	21.79	21.75	21.82								
3	16QAM	8	0	20.63	20.50	20.58								
3	16QAM	8	4	20.69	20.65	20.68								
3	16QAM	8	7	20.69	20.65	20.68	22	2						
3	16QAM	16	0	20.60	20.52	20.60								
3	16QAM	1	0	20.73	20.66	20.78								
3	16QAM	1	8	20.82	20.75	20.79								
3	16QAM	1	14	20.79	20.78	20.70	21	3						
3	16QAM	8	0	19.85	19.86	19.82								
3	16QAM	8	4	19.85	19.89	19.83								
3	16QAM	8	7	19.82	19.87	19.84								
3	16QAM	16	0	19.87	19.83	19.84	21	3						
3	256QAM	1	0	17.70	17.74	17.74	19	5						
3	256QAM	1	8	17.65	17.87	17.77								
3	256QAM	1	14	17.71	17.83	17.72								
3	256QAM	1	14	17.70	17.74	17.74								
3	256QAM	8	0	17.58	17.57	17.57								
3	256QAM	8	4	17.58	17.61	17.60								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.47	22.45	22.48	24	0						
3	QPSK	1	8	22.48	22.45	22.50								
3	QPSK	1	14	22.47	22.49	22.44								
3	QPSK	8	0	21.47	21.47	21.47								
3	QPSK	8	4	21.49	21.56	21.47	23	1						
3	QPSK	8	7	21.58	21.56	21.45								
3	QPSK	16	0	21.48	21.47	21.35								
3	16QAM	1	0	21.93	21.85	21.79								
3	16QAM	1	8	21.93	21.86	21.87	23	1						
3	16QAM	1	8	21.79	21.75	21.82								
3	16QAM	8	0	20.63	20.50	20.58								
3	16QAM	8	4	20.69	20.65	20.68								
3	16QAM	8	7	20.69	20.65	20.68	22	2						
3	16QAM	16	0	20.60	20.52	20.60								
3	16QAM	1	0	20.73	20.66	20.78								
3	16QAM	1	8	20.82	20.75	20.79								
3	16QAM	1	14	20.79	20.78	20.70	21	3						
3	16QAM	8	0	19.85	19.86	19.82								
3	16QAM	8	4	19.85	19.89	19.83								
3	16QAM	8	7	19.82	19.87	19.84								
3	16QAM	16	0	19.87	19.83	19.84	21	3						
3	256QAM	1	0	17.70	17.74	17.74	19	5						
3	256QAM	1	8	17.65	17.87	17.77								
3	256QAM	1	14	17.71	17.83	17.72								
3	256QAM	1	14	17.70	17.74	17.74								
3	256QAM	8	0	17.58	17.57									

Band 38_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Time-up limit (min)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.76	22.30	22.85	23.5	0		
20	QPSK	1	48	22.85	22.82	22.71				
20	QPSK	1	96	22.87	22.89	22.70				
20	QPSK	10	0	22.22	22.23	22.18				
20	QPSK	10	24	22.13	22.18	22.13	23	0.5		
20	QPSK	50	50	22.17	22.21	22.12				
20	QPSK	100	0	22.04	22.05	22.02				
20	16QAM	1	0	22.20	22.20	22.17				
20	16QAM	1	48	22.29	22.28	22.17	23	0.5		
20	16QAM	1	96	22.33	22.34	22.24				
20	16QAM	50	0	20.85	20.92	20.89				
20	16QAM	50	24	20.86	21.05	21.05				
20	16QAM	50	50	21.09	21.03	20.96	22	1.5		
20	16QAM	100	0	21.07	20.88	20.97				
20	64QAM	1	0	20.80	20.81	20.83				
20	64QAM	1	48	20.71	20.69	20.73				
20	64QAM	1	96	20.92	20.67	20.73	22	1.5		
20	64QAM	50	0	19.92	19.97	19.88				
20	64QAM	50	24	20.10	20.00	20.02				
20	64QAM	50	50	20.52	20.18	20.01				
20	64QAM	100	0	20.01	20.01	19.94	21	2.5		
20	256QAM	1	0	17.87	17.89	17.84				
20	256QAM	1	48	17.89	18.04	17.90				
20	256QAM	1	96	18.05	18.13	18.05				
20	256QAM	50	0	18.05	18.19	18.12	19	4.5		
20	256QAM	50	24	18.08	18.19	18.12				
20	256QAM	50	50	18.18	18.20	18.06				
20	256QAM	100	0	17.98	18.12	17.97				
Channel				31773	30055	31871	Time-up limit (min)	MPR (dB)		
Frequency (MHz)										
15	QPSK	1	0	22.55	22.61	22.61	23.5	0		
15	QPSK	1	48	22.57	22.62	22.71				
15	QPSK	1	96	22.59	22.60	22.59				
15	QPSK	1	74	22.74	22.84	22.50				
15	QPSK	36	0	21.86	22.00	21.98	23	0.5		
15	QPSK	36	24	22.13	22.08	21.98				
15	QPSK	36	36	21.94	22.09	22.02				
15	QPSK	75	0	22.03	22.04	21.97				
15	16QAM	1	0	22.03	22.12	22.13	23	0.5		
15	16QAM	1	37	22.02	22.13	22.14				
15	16QAM	36	0	20.88	20.97	20.94				
15	16QAM	36	24	21.06	21.00	21.07				
15	16QAM	36	36	21.10	22.06	21.07	22	1.5		
15	16QAM	75	0	21.03	21.10	20.90				
15	64QAM	1	0	20.48	20.64	20.48				
15	64QAM	1	48	20.53	20.63	20.53				
15	64QAM	1	74	20.78	20.86	20.74	21	2.5		
15	64QAM	36	0	19.81	19.83	19.79				
15	64QAM	36	24	20.00	19.98	20.00				
15	64QAM	36	36	19.95	20.05	19.91				
15	256QAM	1	0	19.96	20.01	19.99	19	4.5		
15	256QAM	1	48	17.76	17.90	17.85				
15	256QAM	1	37	17.78	17.83	17.82				
15	256QAM	36	0	17.97	18.06	18.00				
15	256QAM	36	24	17.85	18.05	18.05	19	4.5		
15	256QAM	36	36	17.95	18.09	18.05				
15	256QAM	75	0	17.82	18.05	17.82				
Channel				37860	36055	38000	Time-up limit (min)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	0	22.70	22.82	22.58	23.5	0		
10	QPSK	1	24	22.96	22.81	22.81				
10	QPSK	1	48	22.96	22.89	22.80				
10	QPSK	25	0	21.96	21.07	21.86				
10	QPSK	25	12	21.96	21.04	21.88	23	0.5		
10	QPSK	25	25	21.91	22.04	21.88				
10	QPSK	50	0	22.07	22.09	21.91				
10	16QAM	1	0	22.07	22.22	22.16				
10	16QAM	1	24	21.68	22.11	21.73	23	0.5		
10	16QAM	1	48	22.06	22.18	21.98				
10	16QAM	25	0	21.02	21.08	20.88				
10	16QAM	25	12	21.13	21.07	21.11				
10	16QAM	25	25	21.10	21.06	21.01	22	1.5		
10	16QAM	50	0	21.05	21.11	20.94				
10	64QAM	1	0	20.46	20.68	20.48				
10	64QAM	1	24	20.67	20.80	20.61				
10	64QAM	1	48	20.74	20.90	20.77	22	1.5		
10	64QAM	25	0	19.75	19.92	19.74				
10	64QAM	25	12	19.88	20.04	19.86				
10	64QAM	25	25	19.92	20.08	19.90				
10	64QAM	50	0	20.00	20.02	20.01	21	2.5		
10	256QAM	1	0	17.60	17.64	17.74				
10	256QAM	1	24	17.76	17.99	17.76				
10	256QAM	1	48	17.85	17.95	17.77				
10	256QAM	25	0	17.90	18.08	17.99	19	4.5		
10	256QAM	25	12	18.00	18.03	17.99				
10	256QAM	25	25	17.99	18.04	18.01				
10	256QAM	50	0	17.90	18.00	17.83				
Channel				37773	36055	38223	Time-up limit (min)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	0	22.45	22.07	22.61	23.5	0		
5	QPSK	1	12	22.53	22.79	22.76				
5	QPSK	1	24	22.40	22.81	22.84				
5	QPSK	12	0	21.96	22.01	21.84				
5	QPSK	12	7	21.98	22.02	22.03	23	0.5		
5	QPSK	12	15	22.04	22.15	21.90				
5	QPSK	25	0	21.96	22.00	22.00				
5	16QAM	1	0	21.97	22.17	22.00				
5	16QAM	1	12	21.84	22.10	22.09	23	0.5		
5	16QAM	1	24	22.11	22.19	22.15				
5	16QAM	12	0	20.97	20.85	21.00				
5	16QAM	12	7	21.02	21.10	20.92				
5	16QAM	12	15	20.98	21.12	21.00	22	1.5		
5	16QAM	25	0	20.96	21.13	21.06				
5	64QAM	1	0	20.41	20.64	20.45				
5	64QAM	1	12	20.63	20.80	20.63				
5	64QAM	1	24	20.74	20.76	20.66	21	1.5		
5	64QAM	12	0	19.79	19.92	19.79				
5	64QAM	12	7	19.87	19.98	19.81				
5	64QAM	12	15	19.88	20.00	19.83				
5	64QAM	25	0	19.92	19.99	19.93	19	2.5		
5	256QAM	1	0	17.72	17.85	17.79				
5	256QAM	1	12	17.73	18.04	17.81				
5	256QAM	1	24	17.83	17.84	17.79				
5	256QAM	12	7	17.97	18.08	17.94	19	4.5		
5	256QAM	12	7	17.93	18.08	18.02	19	4.5		
5	256QAM	12	15	18.01	18.11	17.91				
5	256QAM	12	15	18.07	18.07	17.91				



Band 38 HPUE_Ant 1													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPE (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	23.84	23.79	23.70	25.5	0					
20	QPSK	1	40	23.72	23.70	23.68							
20	QPSK	1	80	23.79	23.81	23.82							
20	QPSK	50	0	22.77	22.88	22.89	24.5	1					
20	QPSK	50	24	22.81	22.86	22.86							
20	QPSK	50	50	22.88	22.83	22.84							
20	QPSK	100	0	22.90	22.87	22.84	24.5	1					
20	16QAM	1	0	23.18	23.02	23.13							
20	16QAM	1	40	23.16	23.15	23.04							
20	16QAM	1	80	23.12	23.07	23.01	23.5	2					
20	16QAM	50	0	21.82	21.85	21.84							
20	16QAM	50	24	21.97	21.92	22.00							
20	16QAM	50	50	21.90	21.99	21.90	23.5	2					
20	16QAM	100	0	21.92	21.80	21.90							
20	64QAM	1	0	21.79	21.72	21.69							
20	64QAM	1	40	21.85	21.90	21.75	22.5	3					
20	64QAM	1	80	21.99	21.96	21.81							
20	64QAM	50	24	20.95	20.89	20.95							
20	64QAM	50	50	20.90	20.83	20.97	20.5	5					
20	64QAM	100	0	20.90	20.80	20.96							
20	256QAM	1	0	18.60	18.68	18.52							
20	256QAM	1	40	18.65	18.75	18.67	20.5	5					
20	256QAM	1	80	18.74	18.81	18.68							
20	256QAM	50	0	18.60	18.73	18.67							
20	256QAM	50	24	18.67	18.78	18.63	20.5	5					
20	256QAM	50	50	18.70	18.81	18.68							
20	256QAM	100	0	18.54	18.69	18.58							
Channel													
Frequency (MHz)													
15	QPSK	1	0	23.53	23.67	23.61	25.5	0					
15	QPSK	1	40	23.63	23.63	23.61							
15	QPSK	1	74	23.62	23.58	23.52							
15	QPSK	36	0	22.71	22.85	22.74	24.5	1					
15	QPSK	36	20	22.75	22.75	22.77							
15	QPSK	36	36	22.83	22.78	22.71							
15	QPSK	75	0	22.70	22.71	22.78	24.5	1					
15	16QAM	1	0	23.08	22.80	23.05							
15	16QAM	1	37	23.02	23.10	22.99							
15	16QAM	1	74	21.68	21.77	21.69	23.5	2					
15	16QAM	36	0	21.68	21.77	21.69							
15	16QAM	36	20	21.82	21.81	21.93							
15	16QAM	75	0	21.86	21.86	21.84	22.5	3					
15	16QAM	75	0	21.83	21.85	21.77							
15	64QAM	1	0	21.70	21.81	21.82							
15	64QAM	1	37	21.82	21.82	21.80	22.5	3					
15	64QAM	1	74	21.87	21.83	21.71							
15	64QAM	36	0	20.78	20.77	20.82							
15	64QAM	36	20	20.80	20.77	20.90	20.5	5					
15	64QAM	36	36	20.78	20.77	20.82							
15	64QAM	75	0	20.79	20.72	20.74							
15	256QAM	1	0	18.51	18.52	18.52	20.5	5					
15	256QAM	1	37	18.50	18.55	18.52							
15	256QAM	1	74	18.52	18.53	18.52							
15	256QAM	36	0	18.53	18.51	18.55	20.5	5					
15	256QAM	36	20	18.51	18.63	18.52							
15	256QAM	36	20	18.54	18.66	18.56							
15	256QAM	75	0	18.54	18.51	18.53	20.5	5					
Channel													
Frequency (MHz)													
10	QPSK	1	0	23.58	23.69	23.55			25.5	0			
10	QPSK	1	25	23.59	23.59	23.60							
10	QPSK	1	40	23.62	23.52	23.53							
10	QPSK	25	0	22.64	22.89	22.83	24.5	1					
10	QPSK	25	10	22.61	22.75	22.75							
10	QPSK	25	25	22.77	22.77	22.74							
10	QPSK	50	0	22.78	22.79	22.78	24.5	1					
10	16QAM	1	0	23.15	23.00	23.00							
10	16QAM	1	25	23.01	23.05	23.02							
10	16QAM	1	40	22.99	22.97	22.86	24.5	1					
10	16QAM	25	0	21.73	21.74	21.69							
10	16QAM	25	12	21.88	21.85	21.82							
10	16QAM	25	25	21.89	21.92	21.82	23.5	2					
10	16QAM	50	0	21.81	21.69	21.82							
10	64QAM	1	0	21.68	21.66	21.84							
10	64QAM	1	25	21.75	21.82	21.66	23.5	2					
10	64QAM	1	40	21.80	21.87	21.06							
10	64QAM	25	0	20.67	20.74	20.83							
10	64QAM	25	12	20.61	20.82	20.86	22.5	3					
10	64QAM	25	25	20.85	20.83	20.81							
10	64QAM	50	0	20.85	20.75	20.80							
10	256QAM	1	0	18.50	18.55	18.52	20.5	5					
10	256QAM	1	25	18.51	18.67	18.61							
10	256QAM	1	40	18.61	18.62	18.52							
10	256QAM	25	0	18.53	18.64	18.50	20.5	5					
10	256QAM	25	12	18.57	18.63	18.61							
10	256QAM	25	25	18.62	18.74	18.61							
10	256QAM	50	0	18.55	18.62	18.53	20.5	5					
10	256QAM	1	25	18.52	18.69	18.53							
10	256QAM	1	40	18.55	18.67	18.56							
10	256QAM	25	0	18.56	18.64	18.52	20.5	5					
10	256QAM	25	12	18.52	18.67	18.54							
10	256QAM	25	12	18.54	18.73	18.58							
10	256QAM	25	0	18.51	18.54	18.52	20.5	5					
10	256QAM	50	0	18.51	18.54	18.52							
10	256QAM	50	0	18.51	18.54	18.52							

Band 41_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPE (dB)
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.87	22.73	22.81	22.79	22.87	22.87	23.5	0
20	QPSK	1	40	22.86	22.79	22.83	22.83	22.81	22.81		
20	QPSK	1	80	22.81	22.88	22.88	22.75	22.88	22.88		
20	QPSK	50	0	22.26	22.26	22.91	22.17	22.28	22.31	23	0.5
20	QPSK	50	40	22.24	22.27	22.27	22.23	22.31	22.31		
20	QPSK	50	80	22.27	22.29	22.27	22.23	22.25	22.25		
20	QPSK	100	0	22.29	22.28	22.90	22.16	22.20	22.20	23	0.5
20	QPSK	100	40	22.31	22.30	22.91	22.15	22.28	22.28		
20	QPSK	100	80	22.32	22.27	22.28	22.19	22.26	22.26		
20	QPSK	50	120	22.30	22.32	22.30	22.27	22.30	22.30	22	1.5
20	QPSK	50	160	21.28	21.32	21.33	21.28	21.34	21.34		
20	QPSK	50	200	21.28	21.30	21.35	21.24	21.36	21.36		
20	QPSK	100	0	20.96	20.83	20.91	20.90	20.25	20.91	21	1.5
20	QPSK	100	40	20.99	20.89	20.91	20.90	20.91	20.91		
20	QPSK	100	80	21.06	20.96	21.04	20.90	21.09	21.09		
20	QPSK	50	120	20.36	20.28	20.35	20.29	20.36	20.36	21	2.5
20	QPSK	50	160	20.39	20.30	20.38	20.28	20.38	20.38		
20	QPSK	50	200	20.36	20.31	20.39	20.25	20.33	20.33		
20	QPSK	100	0	20.37	20.37	20.37	20.27	20.37	20.37	19	4.5
20	QPSK	100	40	17.90	17.82	17.79	18.05	18.15	18.15		
20	QPSK	100	80	17.83	17.66	17.86	17.87	18.06	18.06		
20	QPSK	50	120	17.87	17.77	17.85	18.00	18.05	18.05	19	4.5
20	QPSK	50	160	18.09	17.98	18.02	18.24	18.27	18.27		
20	QPSK	50	200	18.10	17.97	18.14	18.27	18.29	18.29		
20	QPSK	100	0	18.09	17.90	18.00	18.25	18.31	18.31	20	1.5
20	QPSK	100	40	18.02	17.91	18.07	18.22	18.24	18.24		
20	QPSK	100	80	18.02	18.13	18.02	18.15	18.15	18.15		
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.81	22.82	22.86	22.79	22.77	22.77	23.5	0
15	QPSK	1	40	22.81	22.81	22.86	22.79	22.77	22.77		
15	QPSK	1	80	22.87	22.83	22.89	22.74	22.76	22.76		
15	QPSK	50	0	22.29	22.22	22.25	22.13	22.27	22.27	23	0.5
15	QPSK	50	40	22.29	22.22	22.25	22.13	22.23	22.23		
15	QPSK	50	80	22.37	22.24	22.24	22.10	22.24	22.24		
15	QPSK	75	0	22.39	22.24	22.40	22.22	22.28	22.28	23	0.5
15	QPSK	75	40	22.40	22.25	22.40	22.22	22.28	22.28		
15	QPSK	75	80	22.39	22.22	22.37	22.09	22.28	22.28		
15	QPSK	150	0	22.31	22.24	22.28	22.22	22.27	22.27	23	0.5
15	QPSK	150	40	22.31	22.24	22.28	22.22	22.27	22.27		
15	QPSK	150	80	21.30	21.17	21.34	21.08	21.14	21.14		
15	QPSK	300	0	21.39	21.19	21.39	21.19	21.22	21.22	22	1.5
15	QPSK	300	40	21.39	21.19	21.34	21.23	21.32	21.32		
15	QPSK	300	80	21.14	20.99	21.01	21.06	21.11	21.11		
15	QPSK	150	120	21.13	20.95	21.05	20.90	21.00	21.00	22	1.5
15	QPSK	150	160	20.83	20.84	21.00	20.97	21.03	21.03		
15	QPSK	150	200	20.30	20.28	20.34	20.30	20.33	20.33		
15	QPSK	300	0	20.41	20.31	20.34	20.29	20.23	20.23	21	2.5
15	QPSK	300	40	20.32	20.25	20.42	20.25	20.27	20.27		
15	QPSK	300	80	20.37	20.25	20.42	20.22	20.44	20.44		
15	QPSK	150	120	17.75	17.69	17.65	17.62	17.65	17.65	19	4.5
15	QPSK	150	160	17.72	17.69	17.61	17.81	17.83	17.83		
15	QPSK	150	200	17.76	17.68	17.65	17.83	17.84	17.84		
15	QPSK	300	0	17.95	17.85	17.99	18.17	18.17	18.17	19	4.5
15	QPSK	300	40	17.94	17.89	18.00	18.20	18.15	18.15		
15	QPSK	300	80	18.00	17.74	18.00	18.20	18.20	18.20		
15	QPSK	75	0	17.89	17.84	17.97	18.13	18.16	18.16	20	1.5
15	QPSK	75	40	21.11	20.85	21.08	21.03	21.02	21.02		
15	QPSK	75	80	20.90	21.02	21.09	20.90	20.95	20.95		
15	QPSK	150	0	20.27	20.18	20.19	19.96	19.92	19.92	21	2.5
15	QPSK	150	40	20.27	20.18	20.19	19.96	19.98	19.98		
15	QPSK	150	80	20.27	20.21	20.26	20.05	20.10	20.10		
15	QPSK	300	0	20.48	20.18	20.28	20.08	20.18	20.18	19	4.5
15	QPSK	300	40	17.81	17.68	17.73	17.80	17.99	17.99		
15	QPSK	300	80	17.74	17.56	17.60	17.87	17.90	17.90		
15	QPSK	150	120	17.68	17.57	17.75	17.85	18.00	18.00	19	4.5
15	QPSK	150	160	17.74	17.56	17.60	17.87	17.90	17.90		
15	QPSK	150	200	17.63	17.84	17.61	18.12	18.20	18.20		
15	QPSK	300	0	17.67	17.62	17.69	18.17	18.18	18.18	19	4.5
15	QPSK	300	40	17.66	17.61	17.68	18.20	18.21	18.21		
15	QPSK	300	80	17.68	17.77	18.01	18.12	18.15	18.15		
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.73	22.52	22.64	22.67	22.69	22.69	23.5	0
5	QPSK	1	40	22.69	22.68	22.66	22.67	22.66	22.66		
5	QPSK	1	80	22.72	22.66	22.76	22.71	22.73	22.73		
5	QPSK	25	0	22.29	22.10	22.15	22.01	22.06	22.06	23	0.5
5	QPSK	25	40	22.23	22.08	22.08	22.01	22.06	22.06		
5	QPSK	25	80	22.22	22.18	22.31	22.16	22.02	22.02		
5	QPSK	50	0	22.19	22.14	22.28	22.14	22.21	22.21	23	0.5
5	QPSK	50	40	22.28	22.14	22.28	22.14	22.10	22.10		
5	QPSK	50	80	22.10	22.26	22.18	22.08	22.43	22.43		
5	QPSK	125	0	22.34	22.32	22.30	22.28	22.31	22.31	22	1.5
5	QPSK	125	40	21.17	21.15	21.15	21.12	21.17	21.17		
5	QPSK	125	80	21.30	21.05	21.17	21.22	21.09	21.09		
5	QPSK	250	0	21.25	21.20	21.21	21.11	21.23	21.23	22	1.5
5	QPSK	250	40	20.96	21.02	20.95	20.98	21.02	21.02		
5	QPSK	250	80	21.23	21.10	21.11	21.05	21.05	21.05		
5	QPSK	500	0	21.03	20.97	21.09	21.11	21.05	21.05	21	2.5
5	QPSK	500	40	20.24	20.13	20.35	20.13	20.10	20.10		
5	QPSK	500	80	20.29	20.06	20.28	20.23	20.14	20.14		
5	QPSK	25	0	20.27	20.13	20.16	20.14	20.07	20.07	19	4.5
5	QPSK	25	40	17.83	17.72	17.78	17.85	17.85	17.85		
5	QPSK	25	80	17.74	17.60	17.61	17.87	17.90	17.90		
5	QPSK	50	0	17.72	17.57	17.59	17.87	17.90	17.90	19	4.5
5	QPSK	50	40	17.66	17.91	17.90	18.13	18.21	18.21		
5	QPSK	50	80	17.68	17.81	18.05	18.22	18.20	18.20		
5	QPSK	250	0	17.66	17.78	18.02	18.26	18.15	18.15	19	4.5
5	QPSK	250	40	17.62	17.82	18.02	18.26	18.26	18.26		



Band 41 HPUE_Ant 0																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mode Ch. / Freq.	Power Low Mode Ch. / Freq.	Power Low Mode Ch. / Freq.	Power Low Mode Ch. / Freq.	Power Low Mode Ch. / Freq.	Time-up limit (min)	MPR (dB)						
Channel																
Frequency (MHz)																
20	QPSK	1	0	24.38	24.40	24.45	24.52	24.42	25.1	0						
20	QPSK	1	48	24.38	24.34	24.37	24.29	24.39								
20	QPSK	1	96	24.28	24.30	24.27	24.31	24.41								
20	QPSK	10	0	24.27	24.26	24.37	24.29	24.32								
20	QPSK	50	24	24.12	24.22	24.24	24.17	24.24	25.1	0						
20	QPSK	50	50	24.25	24.18	24.24	24.28	24.31								
20	QPSK	100	0	24.29	24.21	24.37	24.23	24.35								
20	16QAM	1	0	24.10	24.29	24.23	24.14	24.36								
20	16QAM	1	48	24.28	24.19	24.17	24.25	24.28	25.1	0						
20	16QAM	1	96	24.20	24.20	24.20	24.27	24.28								
20	16QAM	50	0	23.74	23.76	23.89	23.84	23.84								
20	16QAM	50	24	23.73	23.82	23.77	23.76	23.71								
20	16QAM	100	0	23.66	23.78	23.74	23.69	23.62	25	0.1						
20	16QAM	100	0	23.76	23.74	23.73	23.72	23.72								
20	16QAM	1	0	23.46	23.61	23.63	23.66	23.71								
20	16QAM	1	48	23.60	23.71	23.65	23.62	23.75								
20	16QAM	1	96	23.70	23.64	23.71	23.69	23.78	25	0.1						
20	16QAM	50	0	22.47	22.74	22.62	22.67	22.80								
20	16QAM	50	24	22.85	22.80	22.75	22.75	22.80								
20	16QAM	50	50	22.64	22.71	22.70	22.66	22.83								
20	16QAM	100	0	22.78	22.85	22.77	22.75	22.78	24	1.1						
20	256QAM	1	0	20.28	20.28	20.40	20.50	20.65								
20	256QAM	1	48	20.17	20.08	20.36	20.58	20.62								
20	256QAM	1	96	20.23	20.11	20.35	20.49	20.60								
20	256QAM	50	0	20.41	20.32	20.38	20.57	20.64	22	3.1						
20	256QAM	50	24	20.43	20.27	20.36	20.64	20.71								
20	256QAM	50	50	20.41	20.29	20.46	20.53	20.64								
20	256QAM	100	0	20.33	20.21	20.39	20.58	20.65								
Channel																
Frequency (MHz)																
15	QPSK	1	0	24.24	24.23	24.36	24.27	24.24	25.10	0						
15	QPSK	1	36	24.13	24.12	24.31	24.23	24.24								
15	QPSK	1	74	24.14	24.24	24.11	24.26	24.32								
15	QPSK	36	0	24.13	24.14	24.31	24.23	24.11								
15	QPSK	36	36	23.96	24.07	24.09	23.92	24.12	25.1	0						
15	QPSK	36	74	24.16	24.09	24.14	24.21	24.16								
15	QPSK	75	0	24.23	24.14	24.27	24.10	24.01								
15	16QAM	1	0	24.11	24.24	24.13	24.09	24.20								
15	16QAM	1	37	24.13	24.09	24.12	24.18	24.12	25.1	0						
15	16QAM	1	74	24.08	24.12	24.16	24.12	24.16								
15	16QAM	36	0	23.64	23.68	23.67	23.65	23.61								
15	16QAM	36	20	23.63	23.68	23.67	23.65	23.61								
15	16QAM	75	0	23.60	23.71	23.64	23.69	23.76	25	0.1						
15	16QAM	75	0	23.60	23.58	23.60	23.64	23.57								
15	16QAM	1	0	23.31	23.55	23.63	23.58	23.58								
15	16QAM	1	37	23.40	23.62	23.50	23.55	23.67								
15	16QAM	1	74	23.59	23.51	23.62	23.46	23.71	25	0.1						
15	16QAM	36	0	22.38	22.61	22.51	22.57	22.67								
15	16QAM	36	20	22.60	22.70	22.69	22.69	22.69								
15	16QAM	36	36	22.57	22.62	22.62	22.51	22.75								
15	16QAM	75	0	22.69	22.72	22.66	22.62	22.64	24	1.1						
15	256QAM	1	0	20.10	20.23	20.25	20.54	20.63								
15	256QAM	1	37	20.09	19.98	20.22	20.50	20.48								
15	256QAM	1	74	20.07	20.07	20.16	20.16	20.16								
15	256QAM	36	0	20.25	20.10	20.31	20.43	20.57	22	3.1						
15	256QAM	36	20	20.28	20.20	20.45	20.59	20.55								
15	256QAM	36	36	20.33	20.19	20.12	20.46	20.54								
15	256QAM	75	0	20.25	20.11	20.33	20.44	20.45								
Channel																
Frequency (MHz)																
10	QPSK	1	0	24.23	24.27	24.36	24.28	24.24	25.10	0						
10	QPSK	1	25	24.10	24.23	24.24	24.11	24.23								
10	QPSK	1	48	24.21	24.18	24.12	24.20	24.30								
10	QPSK	25	0	24.20	24.21	24.31	24.12	24.05								
10	QPSK	25	12	24.04												

		Frequency (MHz)	1657.16500 / 1652.5			MPR (dB)		
16	GPSK	1	0	21.13	21.49	21.25	22.6	0
16	GPSK	1	37	20.99	21.36	21.00		
16	GPSK	16	24	21.04	21.41	21.08		
16	GPSK	16	36	20.94	21.37	21.07		
16	GPSK	36	25	21.03	21.14	21.01	22.6	0
16	GPSK	25	12	20.95	21.28	21.09		
16	GPSK	12	7	21.06	21.27	21.05		
16	GPSK	7	0	21.05	21.21	21.03		
16	16QAM	1	0	21.05	21.15	21.01	22.6	0
16	16QAM	1	37	20.82	21.15	20.87		
16	16QAM	16	24	20.92	21.32	20.94		
16	16QAM	16	36	20.83	21.24	20.73		
16	16QAM	36	25	20.84	20.98	20.79	22	0.6
16	16QAM	25	12	20.82	20.98	20.72		
16	16QAM	12	7	20.96	20.87	20.76		
16	16QAM	7	0	20.95	20.87	20.75		
16	64QAM	1	74	20.72	20.71	20.50	22	0.6
16	64QAM	1	37	20.56	20.71	20.52		
16	64QAM	16	24	20.49	20.67	20.45		
16	64QAM	16	36	20.53	20.62	20.33		
16	64QAM	36	25	20.53	20.52	20.30	21	1.6
16	64QAM	25	12	20.55	20.52	20.31		
16	64QAM	12	7	20.68	20.49	20.51		
16	64QAM	7	0	20.69	20.48	20.48		
16	256QAM	1	0	17.89	17.89	17.88	19	3.6
16	256QAM	1	37	17.81	17.86	17.58		
16	256QAM	16	24	17.86	17.87	17.71		
16	256QAM	16	36	17.88	17.87	17.67		
16	256QAM	36	25	17.70	17.83	17.72	19	3.6
16	256QAM	25	12	17.86	17.78	17.74		
16	256QAM	12	7	17.75	17.87	17.74		
16	256QAM	7	0	17.75	17.87	17.74		
Channel			16520	16500	16510	Frequency (MHz)	MPR (dB)	
16	GPSK	1	0	21.05	21.46	21.20	22.6	0
16	GPSK	1	25	21.08	21.34	21.12		
16	GPSK	16	24	21.05	21.23	21.03		
16	GPSK	16	35	20.96	21.41	21.09		
16	GPSK	25	12	20.99	21.21	20.99	22.6	0
16	GPSK	12	7	21.07	21.19	21.07		
16	GPSK	7	0	21.05	21.20	21.11		
16	16QAM	1	0	20.95	21.17	20.97		
16	16QAM	1	37	20.81	21.15	20.83	22.6	0
16	16QAM	16	24	20.92	21.19	20.93		
16	16QAM	16	35	20.83	20.74	20.64		
16	16QAM	35	25	20.87	20.72	20.64		
16	16QAM	25	12	20.82	20.72	20.64	22	0.6
16	16QAM	12	7	20.95	20.63	20.51		
16	16QAM	7	0	20.95	20.63	20.51		
16	64QAM	1	26	20.44	20.89	20.50		
16	64QAM	1	69	20.49	20.66	20.51	22	0.6
16	64QAM	16	24	20.53	20.71	20.51		
16	64QAM	16	35	20.48	20.79	20.48		
16	64QAM	35	25	20.52	20.75	20.46		
16	64QAM	25	12	20.52	20.75	20.46	21	1.6
16	64QAM	12	7	20.65	20.60	20.55		
16	64QAM	7	0	20.65	20.60	20.55		
16	256QAM	1	0	17.86	17.94	17.93		
16	256QAM	1	25	17.55	17.82	17.57	19	3.6
16	256QAM	16	24	17.80	17.87	17.71		
16	256QAM	16	36	17.88	17.87	17.67		
16	256QAM	36	25	17.70	17.83	17.72		
16	256QAM	25	12	17.86	17.78	17.74	19	3.6
16	256QAM	12	7	17.75	17.87	17.74		
16	256QAM	7	0	17.75	17.87	17.74		
16	256QAM	0	0	17.75	17.86	17.69		
Channel			16520	16500	16510	Frequency (MHz)	MPR (dB)	
3	GPSK	1	0	21.11	21.49	21.27	22.6	0
3	GPSK	1	12	21.01	21.34	21.12		
3	GPSK	12	25	21.02	21.35	21.13		
3	GPSK	12	34	20.94	21.37	21.14		
3	GPSK	34	12	20.98	21.23	21.08	22.6	0
3	GPSK	12	7	20.88	21.21	21.06		
3	GPSK	7	0	20.87	21.19	21.05		
3	GPSK	0	0	20.88	21.25	21.08		
3	16QAM	1	0	21.02	21.15	20.97	22.6	0
3	16QAM	1	37	20.83	21.15	20.85		
3	16QAM	16	24	21.00	21.30	20.98		
3	16QAM	16	35	20.84	21.27	20.86		
3	16QAM	35	12	20.84	20.75	20.66	22	0.6
3	16QAM	12	0	20.84	20.75	20.66		
3	16QAM	0	0	20.85	20.76	20.67		
3	64QAM	1	14	20.55	20.68	20.48		
3	64QAM	1	24	20.63	20.62	20.57	22	0.6
3	64QAM	16	24	20.64	20.64	20.54		
3	64QAM	16	34	20.54	20.58	20.46		
3	64QAM	34	7	20.54	20.58	20.46		
3	64QAM	7	0	20.54	20.58	20.46	21	1.6
3	64QAM	0	0	20.54	20.58	20.46		
3	256QAM	1	12	17.68	17.81	17.63		
3	256QAM	1	13	17.63	17.81	17.63		
3	256QAM	1	0	17.67	17.88	17.68	19	3.6
3	256QAM	1	12	17.63	17.82	17.64		
3	256QAM	16	24	17.78	17.78	17.71		
3	256QAM	16	34	17.78	17.78	17.71		
3	256QAM	34	12	17.65	17.83	17.77	19	3.6
3	256QAM	12	0	17.65	17.83	17.77		
3	256QAM	0	0	17.71	17.85	17.74		
3	256QAM	0	7	17.71	17.78	17.56		
3	256QAM	7	0	17.71	17.78	17.56	19	3.6
3	256QAM	0	12	17.71	17.78	17.56		
3	256QAM	12	0	17.75	17.82	17.66		
3	256QAM	0	0	17.75	17.82	17.66		
Channel			16515	16500	16516	Frequency (MHz)	MPR (dB)	
3	GPSK	1	0	21.14	21.49	21.27	22.6	0
3	GPSK	1	8	21.08	21.31	21.10		
3	GPSK	8	21	21.01	21.34	21.10		
3	GPSK	8	30	20.94	21.34	21.10		
3	GPSK	8	4	21.00	21.14	20.94	22.6	0
3	GPSK	4	21	20.91	21.16	20.94		
3	GPSK	21	0	21.00	21.23	21.05		
3	GPSK	15	0	21.00	21.23	21.05		
3	16QAM	1	0	21.05	21.16	20.99	22.6	0
3	16QAM	1	37	20.87	21.16	20.89		
3	16QAM	16	24	20.99	21.21	20.97		
3	16QAM	16	37	20.90	21.21	20.90		
3	16QAM	37	14	20.98	20.75	20.64	22	0.6
3	16QAM	14	0	20.98	20.75	20.64		
3	16QAM	0	0	20.94	20.74	20.63		
3	16QAM	0	8	20.80	20.69	20.58		
3	16QAM	8	0	20.72	20.62	20.61	22	0.6
3	16QAM	0	8	20.81	20.68	20.76		
3	16QAM	8	0	20.40	20.59	20.48		
3	16QAM	0	14	20.70	20.61	20.54		
3	64QAM	1	14	20.54	20.54	20.44	21	1.6
3	64QAM	8	4	20.45	20.57	20.45		
3	64QAM	8	4	19.45	19.79	19.55		
3	64QAM	8	7	19.56	19.64	19.41		
3	64QAM	7	0	19.65	19.72	19.59	19	3.6
3	64QAM	0	8	17.74	17.94	17.81		
3	256QAM	1	8	17.64	17.86	17.57		
3	256QAM	1	8	17.65	17.77	17.57		
3	256QAM	8	4	17.73	17.77	17.74	19	3.6
3	256QAM	8	4	17.74	17.75	17.70		
3	256QAM	8	4	17.74	17.75	17.70		
3	256QAM	15	0	17.71	17.86	17.69		
Channel			16507	16500	16510	Frequency (MHz)	MPR (dB)	
1.4	GPSK	1	0	21.11	21.49	21.19	22.6	0
1.4	GPSK	1	3	21.10	21.29	21.02		
1.4	GPSK	1	20	21.02	21.35	21.06		
1.4	GPSK	3	0	21.05	21.42	21.05		
1.4	GPSK	3	1	21.01	21.16	21.01	22.6	0
1.4	GPSK	1	20	20.99	21.25	21.00		
1.4	GPSK	20	0	20.99	21.15	21.00		
1.4	16QAM	1	0	21.02	21.23	21.04		
1.4	16QAM	1	0	20.98	21.20	21.04	22.6	0
1.4	16QAM	1	0	20.99	21.27	21.04		
1.4	16QAM	1	0	21.02	21.23	21.04		
1.4	16QAM	3	0	20.82	20.78	20.69		
1.4	16QAM	3	0	20.83	20.67	20.68	22	0.6
1.4	16QAM	3	0	20.82	20.71	20.61		
1.4	16QAM	0	0	20.88	20.75	20.62		
1.4	16QAM	0	0	20.87	20.68	20.78		
1.4	64QAM	1	0	20.49	20.50	20.48	22	0.6
1.4	64QAM	1	0	20.72	20.67	20.53		
1.4	64QAM	1	0	20.51	20.57	20.43		
1.4	64QAM	3	0	20.15	20.20	20.08		
1.4	64QAM	3	0	20.13	20.26	20.13	21	1.6
1.4	64QAM	3	0	19.81	19.77	19.65		
1.4	256QAM	1	0	17.66	17.72	17.61		
1.4	256QAM	1	0	17.86	17.82	17.61		
1.4	256QAM	3	0	17.63	17.78	17.72	19	3.6
1.4	256QAM	3	1	17.73	17.75	17.73		
1.4	256QAM	3	1	17.68	17.74	17.62		
1.4	256QAM	6	0	17.73	17.69	17.72		

Band 2_Ant 1												
SPF (MHz)	Modulation	RB Size	RB Offset	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Turn-on time (dB)	MPE (dB)	
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.80	23.05	23.04						0
20	QPSK	1	8	22.82	23.07	23.06				24		
20	QPSK	1	99	22.82	22.99	23.78						
20	QPSK	56	0	22.08	22.19	22.12						
20	QPSK	56	8	22.08	22.19	22.12						
20	QPSK	56	99	22.02	22.07	22.05				23		1
20	QPSK	100	0	22.02	22.08	22.09						
20	QPSK	100	8	22.02	22.08	22.09						
20	QPSK	1	49	22.10	22.24	22.26				23		1
20	QPSK	1	99	22.13	22.27	22.29						
20	QPSK	50	0	21.02	22.02	21.02						
20	QPSK	50	24	21.02	21.21	21.02						
20	QPSK	50	50	20.92	20.98	21.10						
20	QPSK	50	75	21.07	21.14	21.26						
20	QPSK	1	0	21.21	21.01	21.05						
20	QPSK	1	49	21.28	21.48	21.21				22		2
20	QPSK	1	99	21.28	21.48	21.21						
20	QPSK	50	0	20.99	20.99	20.99						
20	QPSK	50	0	19.99	20.17	19.12						
20	QPSK	50	24	20.99	20.21	20.12				21		3
20	QPSK	50	50	19.99	20.05	20.12						
20	QPSK	100	0	20.12	20.16	20.12						
20	QPSK	100	8	20.12	20.16	20.12						
20	QPSK	1	49	17.88	18.04	18.02				19		5
20	QPSK	1	99	18.03	18.03	17.88						
20	QPSK	1	99	17.73	17.88	17.88						
20	QPSK	50	24	17.84	18.02	17.94				19		
20	QPSK	50	50	17.88	17.99	17.84						
20	QPSK	100	0	17.78	17.88	17.88						
20	QPSK	100	8	18.03	18.03	17.88						
Channel												
Frequency (MHz)												
15	QPSK	1	0	18.03	18.03	17.88				Turn-on time (dB)	MPE (dB)	
15	QPSK	1	8	22.81	23.01	22.83						
15	QPSK	1	24	22.81	23.01	22.83				24		0
15	QPSK	1	74	22.81	22.95	22.97						
15	QPSK	1	99	22.81	22.95	22.97						
15	QPSK	56	0	21.98	22.08	22.01				23		1
15	QPSK	56	8	21.98	22.08	22.01						
15	QPSK	56	99	21.93	22.08	21.87						
15	QPSK	100	0	21.97	22.08	22.01						
15	QPSK	100	8	22.23	22.29	22.25						
15	QPSK	1	49	22.23	22.29	22.25				23		1
15	QPSK	1	99	22.18	22.32	22.19						
15	QPSK	1	99	22.18	22.32	22.19						
15	QPSK	50	0	20.84	21.11	21.06						
15	QPSK	50	24	21.02	21.09	21.04						
15	QPSK	50	50	20.98	20.98	21.02				22		2
15	QPSK	50	75	21.07	21.14	21.26						
15	QPSK	1	0	21.07	21.15	21.12						
15	QPSK	1	49	21.07	21.28	21.08						
15	QPSK	1	99	21.02	21.02	21.02						
15	QPSK	1	74	21.02	21.06	21.02				22		2
15	QPSK	56	0	19.97	20.12	19.12						
15	QPSK	56	8	20.99	20.12	19.12						
15	QPSK	56	99	19.99	20.05	20.01				21		3
15	QPSK	75	0	17.75	17.82	17.82						
15	QPSK	1	49	17.78	17.94	17.84				19		5
15	QPSK	1	99	17.88	17.94	17.88						
15	QPSK	50	24	17.84	18.02	17.94						
15	QPSK	50	50	17.88	17.88	17.88				19		5
15	QPSK	100	0	17.78	17.88	17.88						
15	QPSK	100	8	17.71	17.85	17.89						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.80	23.01	23.03				Turn-on time (dB)	MPE (dB)	
10	QPSK	1	26	22.85	22.98	22.93				24		0
10	QPSK	1	49	22.75	22.98	22.92						
10	QPSK	1	99	22.86	22.94	22.94						
10	QPSK	28	12	21.95	22.09	22.01				23		1
10	QPSK	28	26	21.91	22.02	21.87						
10	QPSK	28	99	21.96	22.09	21.91						
10	QPSK	56	0	22.02	22.04	22.02						
10	QPSK	56	8	22.23	22.26	22.24				23		1
10	QPSK	56	99	22.18	22.24	22.24						
10	QPSK	1	49	22.15	22.24	22.18				23		1
10	QPSK	1	99	21.01	21.13	21.09						
10	QPSK	50	0	20.92	21.02	20.94						
10	QPSK	50	26	20.95	21.04	20.96				22		2
10	QPSK	50	50	20.92	21.12	21.04						
10	QPSK	50	75	21.11	21.18	21.25						
10	QPSK	1	0	20.98	21.08	21.17				22		2
10	QPSK	1	49	21.04	21.19	21.14						
10	QPSK	1	99	21.04	21.19	21.14						
10	QPSK	28	12	20.01	20.17	20.06				21		3
10	QPSK	28	26	19.95	20.09	20.03						
10	QPSK	28	99	19.95	20.13	20.01						
10	QPSK	56	0	17.70	17.82	17.84						
10	QPSK	56	8	17.82	17.85	17.83				19		
10	QPSK	56	99	17.82	17.85	17.83						
10	QPSK	28	12	17.72	17.88	17.88				19		5
10	QPSK	28	26	17.78	17.84	17.84						
10	QPSK	56	0	17.67	17.81	17.81						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.00	23.01	23.04				Turn-on time (dB)	MPE (dB)	
5	QPSK	1	12	23.01	23.02	23.04				24		0
5	QPSK	1	23	22.95	23.04	23.04						
5	QPSK	12	0	22.11	22.17	22.13						
5	QPSK	12	7	22.08	22.08	22.10				23		1
5	QPSK	12	13	21.96	22.09	21.92						
5	QPSK	28	0	22.09	22.10	22.09						
5	QPSK	28	13	22.27	22.24	22.24				23		1
5	QPSK	28	23	22.24	22.40	22.40						
5	QPSK	56	0	22.28	22.40	22.40						
5	QPSK	56	13	22.28	22.40	22.28				23		1
5	QPSK	1	49	21.14	21.21	21.17						
5	QPSK	12	7	21.08	21.14	21.17				22		2
5	QPSK	12	13	21.00	21.12	21.05						
5	QPSK	1	0	21.09	21.16	21.14				22		2
5	QPSK	1	49	21.18	21.28	21.25						
5	QPSK	1	12	21.13	21.26	21.19				22		2
5	QPSK	1	23	21.14	21.25	21.14						
5	QPSK	12	0	20.13	20.19	20.17						
5	QPSK	12	7	20.04	20.15	20.18				21		3
5	QPSK	12	13	20.00	20.17	20.06						
5	QPSK	56	0	17.71	17.86	17.87				19		5
5	QPSK	56	8	17.81	17.89	17.89						
5	QPSK	1	24	17.94	17.83	17.72						
5	QPSK	12	0	17.84	17.79	17.83						
5	QPSK	12	7	17.71	17.89	17.83				19		
5	QPSK	12	13	17.79	17.83	17.76						
5	QPSK	28	0	17.74	17.81	17.86						
Channel												
Frequency (MHz)												
3	QPSK	1	0	18.03	18.05	18.03				Turn-on time (dB)	MPE (dB)	
3	QPSK	1	12	23.01	23.05	23.03				24		0
3	QPSK	1	23	23.02	23.02	23.04						
3	QPSK	1	14	22.90	22.91	22.88				23		1
3	QPSK	8	0	20.12	20.27	20.22						
3	QPSK	8	14	20.08	20.21	20.14						
3	QPSK	15	0	21.99	21.98	21.91						
3	QPSK	15	0	21.96	21.98	21.93						
3	QPSK	15	14	22.28	22.24	22.24				23		1
3	QPSK	1	49	22.25	22.34	22.25						
3	QPSK	1	99	22.14	22.17	22.17						
3	QPSK	8	0	21.11	21.19	21.18				22		2
3	QPSK	8	14	20.98	21.16	21.07						
3	QPSK	15	0	21.99	21.98	21.91						
3	QPSK	15	0	21.96	21.98	21.93						
3	QPSK	1	49	21.28	21.38	21.34				22		2
3	QPSK	1	99	21.28	21.38	21.34						
3	QPSK	1	14	21.12	21.21	21.15				22		2
3	QPSK	1	49	20.04	20.15	20.21						
3	QPSK	8	0	20.18	20.18	20.18				21		3
3	QPSK	8	7	20.09	20.19	20.13						
3	QPSK											

Band 4_Ant 0												
HW ID	Modulation	HS Size	HS Offset	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)
Channel	Frequency (MHz)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)
20	QPSK	1	0	20.48	20.48	20.48	20.48	20.48	20.48	20.48	20.48	20.48
20	QPSK	1	99	20.32	20.32	20.32	20.32	20.32	20.32	20.32	20.32	20.32
20	QPSK	1	99	20.32	20.32	20.32	20.32	20.32	20.32	20.32	20.32	20.32
20	QPSK	50	0	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30
20	QPSK	50	0	20.32	20.32	20.32	20.32	20.32	20.32	20.32	20.32	20.32
20	QPSK	50	50	20.16	20.16	20.16	20.16	20.16	20.16	20.16	20.16	20.16
20	QPSK	150	0	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30
20	QPSK	150	0	20.38	20.38	20.38	20.38	20.38	20.38	20.38	20.38	20.38
20	16QAM	1	99	20.41	20.41	20.41	20.41	20.41	20.41	20.41	20.41	20.41
20	16QAM	1	99	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30
20	16QAM	1	99	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34
20	16QAM	50	24	20.24	20.24	20.24	20.24	20.24	20.24	20.24	20.24	20.24
20	16QAM	50	50	20.16	20.16	20.16	20.16	20.16	20.16	20.16	20.16	20.16
20	16QAM	1	99	20.31	20.31	20.31	20.31	20.31	20.31	20.31	20.31	20.31
20	16QAM	1	99	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35
20	16QAM	50	0	20.28	20.28	20.28	20.28	20.28	20.28	20.28	20.28	20.28
20	16QAM	50	0	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86
20	16QAM	50	24	19.79	19.80	19.80	19.80	19.80	19.80	19.80	19.80	19.80
20	16QAM	50	24	19.78	19.80	19.80	19.80	19.80	19.80	19.80	19.80	19.80
20	16QAM	100	0	19.17	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
20	16QAM	1	99	19.08	18.02	18.02	18.02	18.02	18.02	18.02	18.02	18.02
20	16QAM	1	99	18.01	18.12	18.12	18.03	18.03	18.03	18.03	18.03	18.03
20	16QAM	50	24	18.08	18.08	18.08	18.08	18.08	18.08	18.08	18.08	18.08
20	16QAM	50	24	18.00	17.94	17.94	17.95	17.95	17.95	17.95	17.95	17.95
20	16QAM	50	50	17.99	18.07	18.07	17.98	17.98	17.98	17.98	17.98	17.98
20	16QAM	100	0	17.97	18.06	18.06	17.97	17.97	17.97	17.97	17.97	17.97
Channel	Frequency (MHz)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)
18	QPSK	1	99	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13
18	QPSK	1	99	20.44	20.44	20.44	20.44	20.44	20.44	20.44	20.44	20.44
18	QPSK	1	99	20.17	20.17	20.17	20.17	20.17	20.17	20.17	20.17	20.17
18	QPSK	1	74	20.16	20.16	20.16	20.16	20.16	20.16	20.16	20.16	20.16
18	QPSK	25	0	20.27	20.27	20.27	20.27	20.27	20.27	20.27	20.27	20.27
18	QPSK	36	25	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20
18	QPSK	36	25	20.13	20.25	20.25	20.25	20.25	20.25	20.25	20.25	20.25
18	QPSK	36	25	20.17	20.25	20.25	20.25	20.25	20.25	20.25	20.25	20.25
18	16QAM	1	99	20.37	20.28	20.28	20.33	20.33	20.33	20.33	20.33	20.33
18	16QAM	1	99	20.33	20.41	20.41	20.37	20.37	20.37	20.37	20.37	20.37
18	16QAM	36	25	20.24	20.31	20.31	20.27	20.27	20.27	20.27	20.27	20.27
18	16QAM	36	25	20.13	20.25	20.25	20.25	20.25	20.25	20.25	20.25	20.25
18	16QAM	75	0	20.12	20.18	20.18	20.25	20.25	20.25	20.25	20.25	20.25
18	16QAM	1	99	20.32	20.30	20.30	20.34	20.34	20.34	20.34	20.34	20.34
18	16QAM	1	99	20.27	20.34	20.34	20.27	20.27	20.27	20.27	20.27	20.27
18	16QAM	1	74	20.19	20.21	20.21	20.28	20.28	20.28	20.28	20.28	20.28
18	16QAM	36	25	19.84	19.81	19.81	19.83	19.83	19.83	19.83	19.83	19.83
18	16QAM	36	25	19.78	19.80	19.80	19.81	19.81	19.81	19.81	19.81	19.81
18	16QAM	36	25	19.67	19.69	19.69	19.74	19.74	19.74	19.74	19.74	19.74
18	16QAM	36	25	19.66	19.68	19.68	19.66	19.66	19.66	19.66	19.66	19.66
18	16QAM	36	25	18.84	18.02	18.02	18.00	18.00	18.00	18.00	18.00	18.00
18	16QAM	1	74	18.11	18.11	18.11	17.97	17.97	17.97	17.97	17.97	17.97
18	16QAM	1	74	18.00	18.02	18.02	18.01	18.01	18.01	18.01	18.01	18.01
18	16QAM	1	37	17.94	17.94	17.94	17.87	17.87	17.87	17.87	17.87	17.87
18	16QAM	36	20	17.81	17.81	17.81	17.87	17.87	17.87	17.87	17.87	17.87
18	16QAM	36	20	17.87	18.01	18.01	17.87	17.87	17.87	17.87	17.87	17.87
18	16QAM	75	0	17.87	18.03	18.03	17.98	17.98	17.98	17.98	17.98	17.98
Channel	Frequency (MHz)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)
10	QPSK	1	99	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13	17.13
10	QPSK	1	25	20.44	20.44	20.44	20.44	20.44	20.44	20.44	20.44	20.44
10	QPSK	1	49	20.19	20.25	20.25	20.16	20.16	20.16	20.16	20.16	20.16
10	QPSK	25	0	20.27	20.27	20.27	20.27	20.27	20.27	20.27	20.27	20.27
10	QPSK	25	0	20.15	20.27	20.27	20.31	20.31	20.31	20.31	20.31	20.31
10	QPSK	25	25	20.08	20.26	20.26	20.21	20.21	20.21	20.21	20.21	20.21
10	QPSK	25	25	20.11	20.25	20.25	20.27	20.27	20.27	20.27	20.27	20.27
10	16QAM	1	99	20.29	20.31	20.31	20.33	20.33	20.33	20.33	20.33	20.33
10	16QAM	1	99	20.29	20.38	20.38	20.33	20.33	20.33	20.33	20.33	20.33
10	16QAM	1	99	20.28	20.31	20.31	20.25	20.25	20.25	20.25	20.25	20.25
10	16QAM	25	0	20.31	20.28	20.28	20.33	20.33	20.33	20.33	20.33	20.33
10	16QAM	25	0	20.13	20.25	20.25	20.25	20.25	20.25	20.25	20.25	20.25
10	16QAM	25	25	20.10	20.19	20.19	20.28	20.28	20.28	20.28	20.28	20.28
10	16QAM	50	0	20.08	20.26	20.26	20.23	20.23	20.23	20.23	20.23	20.23
10	16QAM	50	0	20.20	20.34	20.34	20.20	20.20	20.20	20.20	20.20	20.20
10	16QAM	1	99	20.27	20.44	20.44	20.27	20.27	20.27	20.27	20.27	20.27
10	16QAM	1	49	20.23	20.31	20.31	20.34	20.34	20.34	20.34	20.34	20.34
10	16QAM	1	49	20.24	20.33	20.33	20.24	20.24	20.24	20.24	20.24	20.24
10	16QAM	25	12	19.73	19.83	19.83	19.78	19.78	19.78	19.78	19.78	19.78
10	16QAM	25	12	19.72	19.75	19.75	19.82	19.82	19.82	19.82	19.82	19.82
10	16QAM	25	12	19.68	19.68	19.68	19.67	19.67	19.67	19.67	19.67	19.67
10	16QAM	25	0	18.02	17.87	17.87	17.96	17.96	17.96	17.96	17.96	17.96
10	16QAM	1	25	17.82	18.03	18.03	17.90	17.90	17.90	17.90	17.90	17.90
10	16QAM	1	25	17.80	18.00	18.00	17.88	17.88	17.88	17.88	17.88	17.88
10	16QAM	25	0	18.03	18.02	18.02	17.93	17.93	17.93	17.93	17.93	17.93
10	16QAM	25	12	17.97	17.87	17.87	17.94	17.94	17.94	17.94	17.94	17.94
10	16QAM	25	12	17.96	18.07	18.07	17.94	17.94	17.94	17.94	17.94	17.94
10	16QAM	50	0	17.89	18.02	18.02	17.93	17.93	17.93	17.93	17.93	17.93
Channel	Frequency (MHz)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)
5	QPSK	1	0	20.41	20.41	20.41	20.41	20.41	20.41	20.41	20.41	20.41
5	QPSK	1	12	20.26	20.27	20.27	20.32	20.32	20.32	20.32	20.32	20.32
5	QPSK	1	12	20.20	20.27	20.27	20.34	20.34	20.34	20.34	20.34	20.34
5	QPSK	12	0	20.30	20.29	20.29	20.34	20.34	20.34	20.34	20.34	20.34
5	QPSK	12	7	20.14	20.26	20.26	20.22	20.22	20.22	20.22	20.22	20.22
5	QPSK	12	14	20.17	20.25	20.25	20.24	20.24	20.24	20.24	20.24	20.24
5	QPSK	25	0	20.15	20.24	20.24	20.34	20.34	20.34	20.34	20.34	20.34
5	16QAM	1	99	20.31	20.35	20.35	20.34	20.34	20.34	20.34	20.34	20.34
5	16QAM	1	99	20.41	20.41	20.41	20.41	20.41	20.41	20.41	20.41	20.41
5	16QAM	1	24	20.31	20.32	20.32	20.30	20.30	20.30	20.30	20.30	20.30
5	16QAM	1	24	20.33	20.32	20.32	20.30	20.30	20.30	20.30	20.30	20.30
5	16QAM	12	7	20.17	20.25	20.25	20.24	20.24	20.24	20.24	20.24	20.24
5	16QAM	12	14	20.16	20.18	20.18	20.27	20.27	20.27	20.27	20.27	20.27
5	16QAM	12	14	20.31	20.30	20.30	20.34	20.34	20.34	20.34	20.34	20.34
5	16QAM	12	0	20.30	20.33	20.33	20.28	20.28	20.28	20.28	20.28	

[illegible]



Band 5_Ant 0														
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Max Ch./F.Freq.	Power Min Ch./F.Freq.	Power Max Ch./F.Freq.	Turn-up Time (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.48	22.56	22.53	24	0						
15	QPSK	1	25	22.43	22.49	22.47								
15	QPSK	1	49	22.40	22.31	22.43								
15	QPSK	25	0	21.48	21.63	21.62								
15	QPSK	25	12	21.48	21.60	21.53	23	1						
15	QPSK	25	25	21.49	21.54	21.48								
15	QPSK	50	0	21.47	21.60	21.52								
15	16QAM	1	25	21.91	21.75	21.85								
15	16QAM	1	25	22.11	21.77	21.84	23	1						
15	16QAM	1	49	21.83	21.56	21.86								
15	16QAM	25	0	20.44	20.38	20.48								
15	16QAM	25	12	20.51	20.51	20.55								
15	16QAM	25	25	20.49	20.66	20.61	21	3						
15	16QAM	50	0	20.50	20.53	20.59								
15	16QAM	50	12	20.59	20.59	20.64								
15	16QAM	1	25	20.57	20.56	20.52								
15	64QAM	1	49	20.79	20.32	20.26	22	2						
15	64QAM	1	25	19.32	19.49	19.40								
15	64QAM	25	12	19.50	19.55	19.54								
15	64QAM	25	25	19.48	19.59	19.40								
15	64QAM	50	0	19.57	19.59	19.57	21	3						
15	64QAM	50	12	19.50	19.50	19.54								
15	256QAM	1	25	17.85	18.00	17.94								
15	256QAM	1	49	17.87	17.86	17.94								
15	256QAM	25	0	17.81	17.81	17.83	19	5						
15	256QAM	25	12	17.90	17.89	18.01								
15	256QAM	50	0	17.88	17.82	17.91								
15	256QAM	50	12	17.89	17.85	17.92								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.41	22.33	22.37	24	0						
5	QPSK	1	12	22.20	22.40	22.29								
5	QPSK	1	24	22.29	22.34	22.45								
5	QPSK	12	0	21.51	21.47	21.48								
5	QPSK	12	7	21.38	21.38	21.45	23	1						
5	QPSK	12	13	21.36	21.51	21.58								
5	QPSK	25	0	21.43	21.45	21.49								
5	16QAM	1	25	21.70	21.80	21.81								
5	16QAM	1	12	21.70	22.09	21.89	23	1						
5	16QAM	1	25	21.69	21.69	21.48								
5	16QAM	12	0	20.48	20.58	20.47								
5	16QAM	12	7	20.58	20.54	20.48								
5	16QAM	12	13	20.56	20.52	20.55	22	2						
5	16QAM	25	0	20.39	20.42	20.43								
5	64QAM	1	0	21.25	21.42	21.50								
5	64QAM	1	25	21.02	21.02	21.08								
5	64QAM	1	24	21.07	21.07	21.05	21	3						
5	64QAM	12	0	20.27	20.25	20.38								
5	64QAM	12	13	20.35	20.35	20.38								
5	64QAM	12	13	20.35	20.40	20.52								
5	64QAM	25	0	20.26	20.38	20.42	19	5						
5	256QAM	1	12	17.75	17.89	17.81								
5	256QAM	1	24	17.80	17.87	17.81								
5	256QAM	12	0	17.82	17.85	17.86								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.25	22.28	22.30	24	0						
3	QPSK	1	14	22.28	22.47	22.24								
3	QPSK	12	0	21.30	21.49	21.43								
3	QPSK	8	7	21.38	21.43	21.31								
3	QPSK	8	4	21.30	21.49	21.43	23	1						
3	16QAM	1	0	21.86	21.60	21.62								
3	16QAM	1	8	21.87	21.44	21.34								
3	16QAM	8	4	20.48	20.65	20.54								
3	16QAM	8	7	20.48	20.57	20.36	22	2						
3	16QAM	8	20	20.47	20.41	20.51								
3	64QAM	1	0	20.30	20.40	20.43								
3	64QAM	1	0	20.96	20.72	20.79								
3	64QAM	1	8	20.76	20.30	20.76	22	2						
3	64QAM	1	14	20.78	20.81	20.86								
3	64QAM	8	0	19.87	19.81	19.43								
3	64QAM	8	4	19.83	19.72	19.87								
3	64QAM	8	7	19.45	19.46	19.36	21	3						
3	64QAM	15	0	19.23	19.43	19.39								
3	256QAM	1	8	17.75	17.85	17.78								
3	256QAM	1	14	17.81	17.83	17.79								
3	256QAM	8	0	17.69	17.79	17.79	19	5						
3	256QAM	8	4	17.84	17.77	17.86								
3	256QAM	8	7	17.83	17.86	17.76								
3	256QAM	15	0	17.82	17.85	17.87								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.25	22.33	22.30	24	0						
1.4	QPSK	1	1	22.28	22.34	22.43								
1.4	QPSK	1	5	22.27	22.32	22.15								
1.4	QPSK	1	3	22.34	22.33	22.42								
1.4	QPSK	3	0	22.38	22.49	22.42	23	1						
1.4	QPSK	3	3	22.27	22.34	22.35								
1.4	QPSK	8	0	21.42	21.27	21.44								
1.4	16QAM	1	0	21.52	21.67	21.76								
1.4	16QAM	1	3	21.48	21.74	21.91	23	1						
1.4	16QAM	1	8	21.51	21.53	21.70								
1.4	16QAM	3	0	21.68	21.49	21.33								
1.4	16QAM	3	1	21.54	21.68	21.48								
1.4	16QAM	3	3	21.29	21.47	21.49	22	2						
1.4	16QAM	8	0	20.47	20.39	20.30								
1.4	16QAM	1	0	20.42	20.30	21.07								
1.4	16QAM	1	3	20.50	20.50	20.50								
1.4	64QAM	1	0	20.85	20.50	20.71	22	2						
1.4	64QAM	1	5	20.53	20.24	20.69								
1.4	64QAM	1	3	20.27	20.31	20.63								
1.4	64QAM	3	0	20.13	20.27	20.52								
1.4	64QAM	3	3	19.44	19.35	19.47	21	3						
1.4	256QAM	1	0	17.70	17.81	17.76								
1.4	256QAM	1	3	17.76	17.86	17.82								
1.4	256QAM	1	5	17.86	17.79	17.76								
1.4	256QAM	3	0	17.85	17.84	17.80	19	5						
1.4	256QAM	3	1	17.84	17.75	17.86								
1.4	256QAM	3	3	17.79	17.76	17.83								
1.4	256QAM	6	0	17.85	17.85	17.71								

Band 7_Ant 0										
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Max Ch./F.Freq.	Power Min Ch./F.Freq.	Power Peak Ch./F.Freq.	Turn-up Time (sec)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.81	20.55	20.82				
20	QPSK	1	40	20.79	20.87	20.81	21.9	0		
20	QPSK	1	80	20.79	20.87	20.81				
20	QPSK	1	120	20.66	20.79	20.67				
20	QPSK	25	20	20.55	20.73	20.63	21.9	0		
20	QPSK	25	60	20.55	20.73	20.63				
20	QPSK	100	0	20.56	20.78	20.57				
20	QPSK	100	40	20.71	20.84	20.69	21.9	0		
20	QPSK	100	80	20.77	20.93	20.77				
20	QPSK	100	120	20.66	20.86	20.65				
20	QPSK	50	0	20.71	20.72	20.77				
20	QPSK	50	40	20.75	20.83	20.79	21.9	0		
20	QPSK	50	80	20.74	20.84	20.77				
20	QPSK	50	120	20.67	20.79	20.67				
20	QPSK	1	40	20.68	20.71	20.71	21.9	0		
20	QPSK	1	80	20.71	20.79	20.79				
20	QPSK	1	120	20.62	20.69	20.67				
20	QPSK	50	20	20.37	20.31	20.42	21.9	0		
20	QPSK	50	60	20.27	20.40	20.40				
20	QPSK	50	100	20.30	20.43	20.30				
20	QPSK	50	140	19.10	18.21	18.15				
20	QPSK	1	60	18.10	18.01	18.26	19	2.9		
20	QPSK	1	100	18.15	18.05	18.27				
20	QPSK	50	0	19.15	18.04	18.15				
20	QPSK	50	40	18.15	18.11	18.20	19	2.9		
20	QPSK	50	80	18.15	18.11	18.20				
20	QPSK	50	120	19.22	18.17	18.22				
Channel										
Frequency (MHz)										
16	QPSK	1	0	20.71	20.87	20.80				
16	QPSK	1	30	20.77	20.93	20.86	21.9	0		
16	QPSK	1	60	20.76	20.91	20.87				
16	QPSK	36	0	20.61	20.73	20.61				
16	QPSK	36	20	20.59	20.64	20.67	21.9	0		
16	QPSK	36	40	20.62	20.62	20.64				
16	QPSK	36	60	20.53	20.68	20.58				
16	QPSK	1	0	20.64	20.73	20.61				
16	QPSK	1	30	20.74	20.85	20.81	21.9	0		
16	QPSK	1	60	20.73	20.83	20.77				
16	QPSK	1	70	20.59	20.63	20.75				
16	QPSK	36	0	20.62	20.62	20.75				
16	QPSK	36	20	20.62	20.63	20.68	21.9	0		
16	QPSK	36	40	20.76	20.78	20.88				
16	QPSK	36	60	20.75	20.80	20.89				
16	QPSK	1	0	20.61	20.62	20.62				
16	QPSK	1	30	20.87	20.72	20.65	21.9	0		
16	QPSK	1	70	20.64	20.78	20.63				
16	QPSK	36	20	20.36	20.27	20.36	21.9	0		
16	QPSK	36	20	20.34	20.24	20.38				
16	QPSK	36	30	20.18	20.38	20.46				
16	QPSK	36	30	20.19	20.34	20.37				
16	QPSK	1	0	18.09	18.17	18.13				
16	QPSK	1	30	17.98	17.99	18.26	19	2.1		
16	QPSK	1	60	18.04	18.04	18.27				
16	QPSK	36	0	18.15	18.08	18.17				
16	QPSK	36	20	18.04	17.98	18.15	19	2.9		
16	QPSK	36	30	18.04	18.04	18.15				
16	QPSK	75	0	18.19	18.13	18.15				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.87	20.91	20.94				
5	QPSK	1	20	20.81	20.82	20.92	21.9	0		
5	QPSK	1	40	20.83	20.93	20.87				
5	QPSK	25	0	20.58	20.68	20.62				
5	QPSK	25	10	20.63	20.64	20.69	21.9	0		
5	QPSK	12	0	20.67	20.67	20.64				
5	QPSK	50	0	20.49	20.62	20.55				
5	QPSK	1	0	20.67	20.79	20.83	21.9	0		
5	QPSK	1	40	20.62	20.75	20.83				
5	QPSK	25	0	20.68	20.68	20.68				
5	QPSK	25	10	20.80	20.80	20.75	21.9	0		
5	QPSK	25	20	20.60	20.78	20.74				
5	QPSK	50	0	20.71	20.85	20.69				
5	QPSK	12	0	20.74	20.74	20.78				
5	QPSK	1	20	20.61	20.82	20.64	21.9	0		
5	QPSK	1	40	20.66	20.74	20.66				
5	QPSK	25	10	20.39	20.25	20.42	21.9	0		
5	QPSK	25	20	20.26	20.39	20.38				
5	QPSK	12	0	20.35	20.35	20.37				
5	QPSK	1	0	17.96	18.13	18.10				
5	QPSK	1	20	18.05	17.93	18.18	19	2.9		
5	QPSK	1	40	18.01	18.01	18.15				
5	QPSK	25	70	18.13	17.99	18.13				
5	QPSK	25	12	18.02	18.07	18.18	19	2.9		
5	QPSK	12	0	18.06	18.06	18.12				
5	QPSK	50	0	18.17	18.12	18.13				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.74	20.93	20.81				
5	QPSK	1	10	20.84	20.86	20.88	21.9	0		
5	QPSK	12	0	20.67	20.87	20.83				
5	QPSK	12	10	20.64	20.75	20.77				
5	QPSK	12	7	20.63	20.71	20.70	21.9	0		
5	QPSK	12	15	20.58	20.68	20.62				
5	QPSK	12	15	20.61	20.70	20.69				
5	QPSK	1	0	20.63	20.84	20.84	21.9	0		
5	QPSK	1	15	20.72	20.79	20.99				
5	QPSK	1	30	20.61	20.78	20.84				
5	QPSK	12	0	20.66	20.66	20.72				
5	QPSK	12	0	20.74	20.74	20.74	21.9	0		
5	QPSK	12	10	20.75	20.82	20.84				
5	QPSK	25	0	20.64	20.67	20.82				
5	QPSK	1	10	20.66	20.66	20.66	21.9	0		
5	QPSK	1	10	20.60	20.70	20.65				
5	QPSK	1	30	20.58	20.64	20.65				
5	QPSK	12	7	20.25	20.21	20.23	21.9	0		
5	QPSK	12	7	20.37	20.21	20.23				
5	QPSK	12	10	20.17	20.39	20.35				
5	QPSK	12	10	20.40	20.39	20.40	21.9	0		
5	QPSK	12	10	18.03	18.14	18.05				
5	QPSK	1	10	18.07	17.80	18.21	19	2.9		
5	QPSK	12	10	18.06	18.06	18.23				
5	QPSK	12	10	18.12	18.04	18.08	19	2.9		
5	QPSK	12	7	18.02	18.03	18.18				
5	QPSK	12	7	18.09	18.09	18.18				
5	QPSK	12	7	18.19	18.15	18.13				



Band 13_Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turnup time (sec)	APRS (dB)						
Channel														
Frequency (MHz)														
16	QPSK	1	0	22.64	22.63	22.65	24	0						
16	QPSK	1	25	22.64	22.63	22.65								
16	QPSK	1	49	22.64	22.63	22.65								
16	QPSK	25	0	21.64	21.63	21.65	23	1						
16	QPSK	25	12	21.65	21.63	21.65								
16	QPSK	25	25	21.65	21.63	21.65								
16	QPSK	50	0	21.54	21.54	21.54	23	1						
16	16QAM	1	0	21.73	21.73	21.73								
16	16QAM	1	25	21.73	21.73	21.73								
16	16QAM	1	49	21.82	21.82	21.82	23	1						
16	16QAM	25	0	20.52	20.52	20.52								
16	16QAM	25	12	20.67	20.67	20.67								
16	16QAM	25	25	20.62	20.62	20.62	22	2						
16	16QAM	50	0	20.57	20.57	20.57								
16	16QAM	50	9	20.81	20.81	20.81								
16	16QAM	1	25	20.92	20.92	20.92	22	2						
16	16QAM	1	49	20.92	20.92	20.92								
16	16QAM	25	0	19.85	19.85	19.85								
16	16QAM	25	12	19.84	19.84	19.84	21	3						
16	16QAM	25	25	19.83	19.83	19.83								
16	16QAM	50	0	19.56	19.56	19.56								
16	256QAM	1	0	18.04	18.04	18.04	19	5						
16	256QAM	1	25	18.03	18.03	18.03								
16	256QAM	1	49	18.11	18.11	18.11								
16	256QAM	25	0	17.91	17.91	17.91	19	5						
16	256QAM	25	12	18.00	18.00	18.00								
16	256QAM	25	25	17.97	17.97	17.97								
16	256QAM	50	0	17.91	17.91	17.91	19	5						
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.64	22.63	22.65					24	0		
5	QPSK	1	12	22.62	22.60	22.63								
5	QPSK	1	24	22.63	22.61	22.62								
5	QPSK	12	0	21.64	21.59	21.59	23	1						
5	QPSK	12	7	21.72	21.64	21.65								
5	QPSK	12	13	21.63	21.62	21.65								
5	QPSK	25	0	21.65	21.59	21.61	23	1						
5	16QAM	1	0	22.05	21.91	21.88								
5	16QAM	1	24	21.83	21.80	22.13								
5	16QAM	1	24	21.88	21.90	22.30	23	1						
5	16QAM	12	0	20.54	20.54	20.80								
5	16QAM	12	7	20.70	20.41	20.59								
5	16QAM	12	13	20.53	20.58	20.70	22	2						
5	16QAM	25	0	20.73	20.62	20.48								
5	16QAM	25	9	20.68	20.81	20.50								
5	16QAM	1	12	21.30	20.93	20.90	22	2						
5	16QAM	1	24	21.27	20.99	20.94								
5	16QAM	12	0	19.72	19.71	19.74								
5	16QAM	12	7	19.86	19.73	19.87	21	3						
5	16QAM	12	13	19.86	19.75	19.83								
5	16QAM	25	0	19.46	19.65	19.55								
5	256QAM	1	0	17.90	17.92	17.92	19	5						
5	256QAM	1	12	17.97	17.94	17.91								
5	256QAM	1	24	18.04	17.98	18.02								
5	256QAM	12	0	17.80	17.84	17.76	19	5						
5	256QAM	12	7	17.85	17.84	17.89								
5	256QAM	12	13	17.89	17.82	17.92								
5	256QAM	25	0	17.45	17.44	17.77								

Band 17_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	APRS (dB)		
Channel										
Frequency (MHz)										
16	QPSK	1	0	22.71	22.77	22.74	24	0		
16	QPSK	1	25	22.66	22.76	22.70				
16	QPSK	1	49	22.65	22.68	22.64				
16	QPSK	25	0	21.68	21.72	21.70	23	1		
16	QPSK	25	12	21.67	21.69	21.70				
16	QPSK	25	25	21.64	21.65	21.67				
16	QPSK	50	0	21.75	21.78	21.77	23	1		
16	16QAM	1	0	22.00	21.93	21.84				
16	16QAM	1	25	21.90	21.78	22.25				
16	16QAM	1	49	21.72	21.95	22.20	22	2		
16	16QAM	25	0	20.66	20.88	20.80				
16	16QAM	25	12	20.85	20.87	20.87				
16	16QAM	25	25	20.84	20.91	20.85	22	2		
16	16QAM	50	0	20.59	20.82	20.86				
16	16QAM	50	9	20.62	20.65	20.86				
16	16QAM	1	0	20.80	20.83	20.86	22	2		
16	16QAM	1	25	20.80	20.83	21.06				
16	16QAM	1	49	20.80	20.83	19.86				
16	16QAM	25	0	19.77	19.81	19.72	21	3		
16	16QAM	25	12	19.54	19.82	19.81				
16	16QAM	25	25	19.67	19.79	19.56				
16	256QAM	1	0	18.04	18.06	18.04	19	5		
16	256QAM	1	25	18.05	18.09	18.12				
16	256QAM	1	49	18.07	18.05	18.09				
16	256QAM	25	0	18.03	18.03	18.08	19	5		
16	256QAM	25	12	18.08	18.02	18.03				
16	256QAM	25	25	18.01	18.08	18.03				
16	256QAM	50	0	18.05	18.02	18.03				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.72	22.70	22.74	24	0		
5	QPSK	1	12	22.81	22.69	22.71				
5	QPSK	1	24	22.84	22.66	22.67				
5	QPSK	12	0	21.75	21.79	21.79	23	1		
5	QPSK	12	7	21.80	21.76	21.83				
5	QPSK	12	13	21.75	21.76	21.78				
5	QPSK	25	0	21.76	21.79	21.76	23	1		
5	QPSK	25	9	22.08	22.10	22.11				
5	16QAM	1	0	22.10	22.21	22.13				
5	16QAM	1	12	22.10	22.21	22.13	22	2		
5	16QAM	12	0	20.83	20.81	20.86				
5	16QAM	12	7	20.83	20.77	20.88				
5	16QAM	12	13	20.72	20.69	20.73	22	2		
5	16QAM	25	0	20.80	20.75	20.75				
5	16QAM	25	9	20.86	20.83	20.85				
5	16QAM	1	0	20.85	20.84	20.84	22	2		
5	16QAM	1	12	20.85	20.84	20.84				
5	16QAM	1	24	20.81	20.92	20.93				
5	16QAM	12	0	19.77	19.83	19.84	21	3		
5	16QAM	12	7	19.85	19.79	19.85				
5	16QAM	12	13	19.75	19.81	19.80	19	5		
5	16QAM	12	25	19.81	19.82	19.83				
5	256QAM	1	0	17.89	17.90	17.87				
5	256QAM	1	12	17.98	17.93	18.05				
5	256QAM	1	24	17.97	17.96	17.93				
5	256QAM	12	0	17.92	17.90	17.92				
5	256QAM	12	7	17.95	17.94	17.88				
5	256QAM	12	13	17.87	17.96	17.91				
5	256QAM	25	0	17.97	17.89	17.89				

Band 26_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-on (sec)	MFR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.58	22.58	22.53	24	0		
15	QPSK	1	37	22.56	22.55	22.51				
15	QPSK	1	74	22.53	22.53	22.49				
15	QPSK	36	0	21.80	21.81	21.79				
15	QPSK	36	20	21.72	21.86	21.71	23	1		
15	QPSK	36	39	21.57	21.78	21.66				
15	QPSK	75	0	21.71	21.76	21.67				
15	QPSK	75	0	21.76	22.23	22.10				
15	16QAM	1	37	22.14	22.21	21.83	23	1		
15	16QAM	1	74	21.90	21.82	22.09				
15	16QAM	36	0	20.98	20.99	20.85				
15	16QAM	36	20	20.74	20.93	20.88				
15	16QAM	36	39	20.74	20.94	20.84	22	2		
15	16QAM	75	0	20.77	20.84	20.82				
15	16QAM	1	0	20.99	21.06	20.94				
15	16QAM	1	37	20.94	20.96	20.81				
15	16QAM	36	20	19.72	19.77	19.77	21	3		
15	16QAM	36	39	19.75	19.86	19.75				
15	16QAM	36	39	19.83	20.04	19.80				
15	16QAM	75	0	19.87	19.86	19.82				
15	256QAM	1	37	17.75	17.83	17.81	19	5		
15	256QAM	1	74	17.84	17.82	17.90				
15	256QAM	36	0	17.80	17.81	17.86				
15	256QAM	36	20	17.79	17.72	17.72				
15	256QAM	36	39	17.73	17.76	17.77	19	5		
15	256QAM	75	0	17.71	17.70	17.68				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.51	22.46	22.47	24	0		
15	QPSK	1	26	22.50	22.49	22.52				
15	QPSK	26	0	21.83	21.86	21.58				
15	QPSK	26	0	21.80	21.86	21.59				
15	QPSK	26	26	21.58	21.62	21.63	23	1		
15	QPSK	50	0	21.62	21.66	21.68				
15	16QAM	1	0	21.98	21.79	21.88				
15	16QAM	1	26	21.82	21.83	21.89				
15	16QAM	26	0	20.98	20.99	20.82	22	2		
15	16QAM	26	0	20.98	20.99	20.81				
15	16QAM	25	12	20.65	20.62	20.60				
15	16QAM	50	0	20.62	20.57	20.58				
15	16QAM	1	0	20.83	20.75	20.75	22	2		
15	16QAM	26	0	20.87	20.82	20.82				
15	16QAM	1	49	20.95	20.72	20.71				
15	16QAM	25	12	19.67	19.68	19.62				
15	16QAM	25	26	19.67	19.68	19.62	21	3		
15	16QAM	25	26	19.67	19.68	19.62				
15	16QAM	25	26	19.67	19.68	19.62				
15	16QAM	25	26	19.67	19.68	19.62				
15	256QAM	1	26	17.62	17.67	17.65	19	5		
15	256QAM	1	49	17.76	17.67	17.62				
15	256QAM	26	0	17.64	17.60	17.65				
15	256QAM	25	12	17.64	17.60	17.65				
15	256QAM	25	26	17.66	17.61	17.66	19	5		
15	256QAM	50	0	17.66	17.62	17.66				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.51	22.46	22.47	24	0		
5	QPSK	1	12	22.50	22.50	22.47				
5	QPSK	1	24	22.51	22.51	22.45				
5	QPSK	12	7	21.57	21.61	21.56				
5	QPSK	12	13	21.54	21.59	21.52	23	1		
5	QPSK	26	0	21.58	21.61	21.62				
5	16QAM	1	0	21.94	21.80	21.82				
5	16QAM	1	12	21.80	21.88	21.75				
5	16QAM	1	21	21.80	21.86	21.80	23	1		
5	16QAM	12	0	20.99	20.54	20.61				
5	16QAM	12	7	20.61	20.58	20.60				
5	16QAM	12	13	20.58	20.58	20.61				
5	16QAM	26	0	20.60	20.49	20.58	22	2		
5	16QAM	1	0	20.73	20.71	20.63				
5	16QAM	1	21	20.67	20.73	20.68				
5	16QAM	1	24	20.72	20.73	20.68				
5	16QAM	12	0	19.63	19.66	19.70	21	3		
5	16QAM	12	0	19.64	19.67	19.68				
5	16QAM	12	13	19.59	19.59	19.59				
5	16QAM	25	0	19.60	19.50	19.51				
5	256QAM	1	1	17.68	17.72	17.68	19	5		
5	256QAM	1	12	17.59	17.76	17.74				
5	256QAM	1	24	17.62	17.66	17.66				
5	256QAM	12	0	17.63	17.60	17.67				
5	256QAM	12	13	17.66	17.62	17.66	19	5		
5	256QAM	25	0	17.64	17.59	17.59				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.41	22.41	22.49	24	0		
3	QPSK	1	8	22.52	22.49	22.50				
3	QPSK	1	14	22.48	22.52	22.44				
3	QPSK	8	7	21.67	21.63	21.63				
3	QPSK	8	7	21.57	21.61	21.58	23	1		
3	QPSK	8	7	21.59	21.56	21.47				
3	16QAM	1	0	21.93	21.88	21.78				
3	16QAM	1	8	21.93	21.86	21.87				
3	16QAM	8	0	20.99	20.60	20.58	22	2		
3	16QAM	8	4	20.69	20.65	20.66				
3	16QAM	16	0	20.60	20.52	20.60				
3	16QAM	1	0	20.73	20.66	20.78				
3	16QAM	1	0	20.62	20.75	20.79	22	2		
3	16QAM	1	14	20.79	20.78	20.70				
3	16QAM	8	0	19.65	19.58	19.62				
3	16QAM	8	7	19.65	19.69	19.63				
3	16QAM	15	0	19.67	19.63	19.64	21	3		
3	16QAM	15	0	19.67	19.69	19.63				
3	256QAM	1	8	17.62	17.67	17.64				
3	256QAM	1	8	17.65	17.67	17.65				
3	256QAM	1	14	17.71	17.63	17.71	19	5		
3	256QAM	8	0	17.61	17.72	17.68				
3	256QAM	8	4	17.58	17.57	17.67				
3	256QAM	8	7	17.63	17.61	17.68				
3	256QAM	15	0	17.62	17.66	17.60	19	5		
3	256QAM	15	0	17.62	17.66	17.60				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.38	22.35	22.29	24	0		
1.4	QPSK	1	8	22.47	22.41	22.41				
1.4	QPSK	1	15	22.36	22.38	22.28				
1.4	QPSK	8	7	22.34	22.37	22.32				
1.4	QPSK	3	0	22.40	22.42	22.45	23	1		
1.4	QPSK	3	0	22.45	22.47	22.47				
1.4	16QAM	1	0	21.77	21.79	21.71				
1.4	16QAM	1	3	21.81	21.83	21.79				
1.4	16QAM	1	6	21.86	21.77	21.68	23	1		
1.4	16QAM	1	9	21.90	21.82	21.78				
1.4	16QAM	3	0	21.55	21.45	21.41				
1.4	16QAM	3	1	21.53	21.47	21.47				
1.4	16QAM	6	0	20.97	20.92	20.93	22	2		
1.4	16QAM	6	0	20.97	20.94	20.86				
1.4	16QAM	6	0	20.97	20.94	20.86				
1.4	16QAM	6	0	20.97	20.94	20.86				
1.4	16QAM	3	0	20.72	20.73	20.63	22	2		
1.4	16QAM	3	0	20.66	20.63	20.51				
1.4	16QAM	3	0	20.66	20.63	20.51				
1.4	16QAM	3	0	20.66	20.63	20.51				
1.4	256QAM	1	0	19.49	19.42	19.42	21	3		
1.4	256QAM	1	0	19.49	19.42	19.42				
1.4	256QAM	1	0	19.49	19.42	19.42				
1.4	256QAM	1	0	19.49	19.42	19.42				
1.4	256QAM	1	3	17.74	17.84	17.83	19	5		
1.4	256QAM	1	6	17.83	17.85	17.85				
1.4	256QAM	1	9	17.84	17.82	17.83				
1.4	256QAM	3	0	17.84	17.69	17.62				
1.4	256QAM	3	0	17.56	17.68	17.62	19	5		
1.4	256QAM	3	0	17.56	17.68	17.62				



Band 38_Ant 0																
BW [MHz]	Modulation	RIS Size	RIS Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (min)	MFR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	22.76	22.80	22.85	23.5	0								
20	QPSK	1	49	22.85	22.89	22.91										
20	QPSK	1	99	22.87	22.89	22.70										
20	QPSK	50	0	22.22	22.23	22.18	23	0.5								
20	QPSK	50	24	22.13	22.18	22.16										
20	QPSK	50	50	22.17	22.21	22.12										
20	QPSK	100	0	22.24	22.25	22.22	22	1.5								
20	16QAM	1	0	22.20	22.20	22.17										
20	16QAM	1	49	22.29	22.28	22.17										
20	16QAM	50	0	20.88	20.92	20.89	22	1.5								
20	16QAM	50	24	20.86	21.05	21.05										
20	16QAM	100	0	21.07	20.98	20.97										
20	84QAM	1	0	20.92	20.91	20.83	21	2.5								
20	84QAM	1	49	20.74	20.69	20.73										
20	84QAM	1	99	20.92	20.87	20.78										
20	84QAM	50	0	19.92	19.97	19.88	21	2.5								
20	84QAM	50	24	20.00	20.07	20.01										
20	84QAM	50	50	20.02	20.18	20.01										
20	256QAM	100	0	17.97	17.99	17.97	19	4.5								
20	256QAM	1	0	17.87	17.89	17.86										
20	256QAM	50	0	18.05	18.13	18.05										
20	256QAM	50	24	18.08	18.19	18.12	19	4.5								
20	256QAM	50	50	18.12	18.20	18.06										
20	256QAM	100	0	17.98	18.12	17.97										
Channel																
Frequency (MHz)																
15	QPSK	1	0	22.85	22.81	22.81	23.5	0								
15	QPSK	1	49	22.73	22.83	22.81										
15	QPSK	1	74	22.74	22.84	22.80										
15	QPSK	36	0	21.86	22.00	21.86	23	0.5								
15	QPSK	36	36	21.81	22.09	22.02										
15	QPSK	75	0	22.03	22.04	21.97										
15	16QAM	1	0	22.06	22.12	22.13	23	0.5								
15	16QAM	1	37	22.02	22.13	22.14										
15	16QAM	1	74	22.10	22.26	22.12										
15	16QAM	36	0	20.89	20.97	20.94	22	1.5								
15	16QAM	36	20	21.06	21.09	21.07										
15	16QAM	36	39	21.03	21.16	21.01										
15	16QAM	75	0	21.13	21.15	21.04	22	1.5								
15	84QAM	1	0	20.48	20.64	20.48										
15	84QAM	1	20	20.47	20.63	20.47										
15	84QAM	1	74	20.79	20.86	20.74	21	2.5								
15	84QAM	36	0	19.81	19.93	19.79										
15	84QAM	36	39	19.85	20.00	19.86										
15	84QAM	36	39	19.86	20.05	19.81	19	4.5								
15	84QAM	75	0	18.98	20.01	19.96										
15	256QAM	1	0	17.76	17.80	17.85										
15	256QAM	1	37	17.78	17.93	17.82	19	4.5								
15	256QAM	1	74	17.80	17.93	17.82										
15	256QAM	36	0	17.97	18.05	18.00										
15	256QAM	36	20	17.87	18.05	18.05	19	4.5								
15	256QAM	36	39	18.00	18.06	18.00										
15	256QAM	75	0	17.82	18.05	17.82										
Channel																
Frequency (MHz)																
10	QPSK	1	0	22.70	22.82	22.96	23.5	0								
10	QPSK	1	25	22.89	22.81	22.81										
10	QPSK	1	20	22.75	22.89	22.76										
10	QPSK	25	0	21.96	21.97	21.86	23	0.5								
10	QPSK	25	12	22.83	22.81	22.84										
10	QPSK	25	25	21.91	22.04	21.88										
10	QPSK	50	0	22.07	22.09	21.91	23	0.5								
10	16QAM	1	0	22.03	22.03	21.95										
10	16QAM	1	25	21.68	22.11	21.73										
10	16QAM	1	49	22.06	22.18	21.98	22	1.5								
10	16QAM	25	0	21.02	21.08	20.80										
10	16QAM	25	12	21.13	21.07	21.11										
10	16QAM	25	25	21.10	21.09	21.01	22	1.5								
10	16QAM	50	0	20.95	21.11	20.94										
10	84QAM	1	0	20.46	20.68	20.48										
10	84QAM	1	27	20.67	20.80	20.67	22	1.5								
10	84QAM	1	49	20.74	20.90	20.77										
10	84QAM	25	0	19.75	19.92	19.74										
10	84QAM	25	12	19.90	20.04	19.88	21	2.5								
10	84QAM	25	25	19.92	20.09	19.80										
10	84QAM	50	0	20.00	20.02	20.01										
10	256QAM	1	0	17.80	17.84	17.74	19	4.5								
10	256QAM	1	25	17.78	17.89	17.76										
10	256QAM	1	49	17.85	17.85	17.77										
10	256QAM	25	0	17.80	18.08	17.86	19	4.5								
10	256QAM	25	12	18.00	18.03	17.99										
10	256QAM	25	25	17.99	18.04	18.01										
10	256QAM	50	0	17.82	18.05	17.85	19	4.5								
10	256QAM	50	25	17.87	18.08	18.02										
10	256QAM	12	13	18.01	18.11	17.91										
10	256QAM	25	0	17.88	18.00	17.81	19	4.5								
10	256QAM	25	12	17.88	18.00	17.81										
10	256QAM	25	25	17.88	18.00	17.81										
Channel																
Frequency (MHz)																
5	QPSK	1	0	22.46	22.87	22.81	23.5	0								
5	QPSK	1	12	22.83	22.79	22.76										
5	QPSK	1	24	22.83	22.81	22.84										
5	QPSK	12	0	21.96	22.01	21.94	23	0.5								
5	QPSK	12	7	21.98	22.02	22.03										
5	QPSK	12	13	22.04	22.15	21.90										
5	QPSK	12	13	22.04	22.15	21.90	23	0.5								
5	16QAM	1	0	21.97	22.17	22.00										
5	16QAM	1	13	21.84	22.10	22.06										
5	16QAM	1	24	22.11	22.19	22.05	22	1.5								
5	16QAM	12	0	20.98	21.03	20.90										
5	16QAM	12	7	21.02	21.10	21.02										
5	16QAM	12	13	20.98	21.12	21.10	22	1.5								
5	16QAM	12	25	21.13	21.06	21.06										
5	84QAM	1	0	20.41	20.64	20.45										
5	84QAM	1	12	20.63	20.82	20.63	22	1.5								
5	84QAM	1	24	20.70	20.87	20.70										
5	84QAM	12	0	19.79	19.97	19.76										
5	84QAM	12	7	19.83	19.98	19.81	21	2.5								
5	84QAM	12	13	19.88	20.00	19.83										
5	84QAM	25	0	19.92	20.09	19.83										
5	256QAM	1	0	17.82	17.87	17.79	19	4.5								
5	256QAM	1	12	17.73	17.84	17.79										
5	256QAM	1	24	17.83	17.84	17.79										
5	256QAM	12	0	17.80	18.08	17.82	19	4.5								
5	256QAM	12	7	17.83	18.00	17.82										
5	256QAM	12	13	18.01	18.11	17.91										



Band 38 HPUE_Ant 1																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPE (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	22.80	22.02	22.85	24.6	0								
20	QPSK	1	48	22.89	22.89	22.89										
20	QPSK	1	96	22.95	22.79	22.77										
20	QPSK	1	144	22.99	22.81	22.79										
20	QPSK	50	24	22.80	22.87	22.79	24.5	0.1								
20	QPSK	50	50	22.86	22.72	22.68										
20	QPSK	100	0	22.79	22.80	22.87										
20	16QAM	1	0	22.80	22.79	22.77										
20	16QAM	1	48	22.84	22.80	22.67	24.5	0.1								
20	16QAM	1	96	22.75	22.80	22.77										
20	16QAM	50	0	21.72	21.70	21.75										
20	16QAM	50	24	21.87	21.81	21.91										
20	16QAM	100	0	21.84	21.84	21.76	23.5	1.1								
20	16QAM	100	0	21.87	21.69	21.76										
20	16QAM	1	0	21.87	21.68	21.74										
20	16QAM	1	48	21.79	21.80	21.87										
20	16QAM	1	96	21.87	21.83	21.74	23.5	1.1								
20	16QAM	1	144	21.79	21.80	21.87										
20	16QAM	50	24	20.76	20.70	20.90										
20	16QAM	50	50	20.84	20.82	20.90										
20	16QAM	100	0	20.78	20.73	20.73	22.5	2.1								
20	16QAM	100	0	18.85	18.72	18.58										
20	256QAM	1	0	18.76	18.84	18.78										
20	256QAM	1	48	18.76	18.84	18.78										
20	256QAM	1	96	18.85	18.85	18.82	20.5	4.1								
20	256QAM	50	0	18.74	18.83	18.88										
20	256QAM	50	24	18.71	18.85	18.72										
20	256QAM	50	50	18.79	18.86	18.77										
20	256QAM	100	0	18.83	18.79	18.69	20.5	4.1								
20	256QAM	100	0	18.83	18.79	18.69										
Channel																
Frequency (MHz)																
15	QPSK	1	0	22.73	22.88	22.73	24.6	0								
15	QPSK	1	48	22.83	22.83	22.83										
15	QPSK	1	96	22.82	22.87	22.88										
15	QPSK	1	144	22.80	22.76	22.68										
15	QPSK	36	0	22.80	22.75	22.68	24.5	0.1								
15	QPSK	36	36	22.79	22.80	22.83										
15	QPSK	75	0	22.86	22.82	22.74										
15	16QAM	1	0	22.83	22.83	22.81										
15	16QAM	1	37	22.70	22.71	22.62	24.5	0.1								
15	16QAM	1	74	22.76	22.67	22.67										
15	16QAM	36	0	21.67	21.67	21.60										
15	16QAM	36	36	21.77	21.65	21.76										
15	16QAM	36	72	21.77	21.72	21.84	23.5	1.1								
15	16QAM	75	0	21.72	21.60	21.71										
15	16QAM	1	0	21.62	21.66	21.64										
15	16QAM	1	37	21.68	21.73	21.68										
15	16QAM	1	74	21.78	21.69	21.87	23.5	1.1								
15	16QAM	36	0	20.86	20.58	20.74										
15	16QAM	36	36	20.74	20.67	20.66										
15	16QAM	36	72	20.78	20.74	20.81										
15	16QAM	75	0	18.73	18.68	18.67	22.5	2.1								
15	16QAM	75	0	18.73	18.68	18.67										
15	256QAM	1	0	18.68	18.67	18.53										
15	256QAM	1	37	18.71	18.71	18.57										
15	256QAM	1	74	18.70	18.60	18.50	20.5	4.1								
15	256QAM	36	0	18.52	18.70	18.53										
15	256QAM	36	36	18.59	18.72	18.64										
15	256QAM	36	72	18.71	18.71	18.66										
15	256QAM	75	0	18.52	18.70	18.58	20.5	4.1								
15	256QAM	75	0	18.52	18.70	18.58										
Channel																
Frequency (MHz)																
10	QPSK	1	0	22.67	22.90	22.78	24.6	0								
10	QPSK	1	25	22.76	22.82	22.80										
10	QPSK	1	48	22.78	22.83	22.88										
10	QPSK	25	0	22.55	22.76	22.64										
10	QPSK	25	25	22.74	22.76	22.72	24.5	0.1								
10	QPSK	25	50	22.74	22.65	22.60										
10	QPSK	50	0	22.68	22.80	22.72										
10	QPSK	50	25	22.68	22.80	22.84										
10	16QAM	1	0	22.72	22.67	22.52	24.5	0.1								
10	16QAM	1	25	22.72	22.67	22.52										
10	16QAM	1	48	22.62	22.71	22.64										
10	16QAM	25	0	21.68	21.65	21.68										
10	16QAM	25	12	21.76	21.66	21.79	23.5	1.1								
10	16QAM	25	25	21.85	21.68	21.67										
10	16QAM	50	0	21.72	21.62	21.61										
10	16QAM	1	0	21.56	21.54	21.72										
10	16QAM	1	25	21.71	21.76	21.66	23.5	1.1								
10	16QAM	1	48	21.62	21.72	21.67										
10	16QAM	25	0	20.64	20.59	20.73										
10	16QAM	25	12	20.73	20.69	20.73										
10	16QAM	25	25	20.73	20.77	20.80	22.5	2.1								
10	16QAM	50	0	20.73	20.62	20.57										
10	16QAM	1	0	18.68	18.67	18.55										
10	256QAM	1	0	18.68	18.69	18.71										
10	256QAM	1	48	18.71	18.79	18.53	20.5	4.1								
10	256QAM	25	0	18.68	18.68	18.60										
10	256QAM	25	12	18.65	18.75	18.60										
10	256QAM	25	25	18.71	18.74	18.64										
10	256QAM	50	0	18.58	18.67	18.56	20.5	4.1								
10	256QAM	50	0	18.58	18.67	18.56										
Channel																
Frequency (MHz)																
5	QPSK	1	0	22.65	22.94	22.75	24.6	0								
5	QPSK	1	12	22.74	22.81	22.80										
5	QPSK	1	24	22.86	22.72	22.62										
5	QPSK	12	0	22.62	22.81	22.87										
5	QPSK	12	7	22.79	22.81	22.72	24.5	0.1								
5	QPSK	12	13	22.74	22.63	22.55										
5	QPSK	25	0	22.62	22.76	22.77										
5	16QAM	1	0	22.79	22.69	22.69										
5	16QAM	1	12	22.71	22.65	22.51	24.5	0.1								
5	16QAM	1	24	22.70	22.64	22.71										
5	16QAM	12	0	22.68	22.72	22.77										
5	16QAM	12	7	21.76	21.76	21.77										
5	16QAM	12	13	21.76	21.76	21.77	23.5	1.1								
5	16QAM	25	0	21.71	21.64	21.65										
5	16QAM	1	0	21.55	21.60	21.73										
5	16QAM	1	12	21.71	21.71	21.68										
5	16QAM	1	24	21.77	21.73	21.67	23.5	1.1								
5	16QAM	12	0	20.68	20.65	20.71										
5	16QAM	12	7	20.65	20.60	20.65										
5	16QAM	12	13	20.73	20.77	20.78										
5	16QAM	25	0	20.66	20.61	20.68	22.5	2.1								
5	16QAM	25	7	20.68	20.63	20.68										
5	16QAM	25	13	20.70	20.74	20.75										
5	256QAM	1	0	18.66	18.71	18.73										
5	256QAM	1	12	18.70	18.79	18.50	20.5	4.1								
5	256QAM	12	0	18.63	18.70	18.72										
5	256QAM	12	7	18.64	18.69	18.64										
5	256QAM	12	13	18.66	18.72	18.71										
5	256QAM	25	0	18.56	18.66	18.61	20.5	4.1								
5	256QAM	25	0	18.56	18.66	18.61										
Channel																
Frequency (MHz)																



Band 41 HPUE_Ant 0																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)						
Channel																
Frequency (MHz)																
20	QPSK	1	0	24.38	24.40	24.43	24.32	24.42	25.1	0						
20	QPSK	1	80	24.28	24.30	24.37	24.24	24.29								
20	QPSK	1	160	24.28	24.30	24.27	24.31	24.41								
20	QPSK	50	0	24.27	24.30	24.37	24.29	24.32								
20	QPSK	50	24	24.12	24.22	24.23	24.17	24.24	25.1	0						
20	QPSK	50	50	24.25	24.18	24.24	24.28	24.31								
20	QPSK	100	0	24.29	24.27	24.37	24.26	24.30								
20	HQAM	1	0	24.19	24.20	24.23	24.14	24.36								
20	HQAM	1	40	24.28	24.19	24.17	24.26	24.28	25.1	0						
20	HQAM	1	80	24.20	24.20	24.20	24.27	24.28								
20	HQAM	50	0	23.74	23.76	23.80	23.84	23.84								
20	HQAM	50	24	23.73	23.82	23.77	23.76	23.71								
20	HQAM	50	50	23.86	23.75	23.74	23.86	23.82	25	0.1						
20	HQAM	100	0	23.76	23.74	23.73	23.72	23.72								
20	HQAM	1	0	23.46	23.47	23.53	23.58	23.71								
20	HQAM	1	80	23.82	23.71	23.65	23.62	23.75								
20	SQAM	1	160	23.70	23.64	23.71	23.58	23.78	25	0.1						
20	HQAM	50	0	22.47	22.70	22.62	22.67	22.83								
20	HQAM	50	24	22.05	22.02	22.72	22.70	22.50								
20	SQAM	50	50	22.64	22.71	22.70	22.66	22.86								
20	HQAM	100	0	22.78	22.65	22.77	22.75	22.78	24	1.1						
20	HQAM	1	0	20.28	20.38	20.40	20.50	20.65								
20	SQAM	1	40	20.17	20.08	20.38	20.58	20.62								
20	SQAM	1	80	20.23	20.11	20.35	20.48	20.60								
20	SQAM	50	0	20.41	20.32	20.38	20.57	20.64	22	3.1						
20	SQAM	50	24	20.43	20.27	20.58	20.64	20.71								
20	SQAM	50	50	20.41	20.20	20.48	20.53	20.64								
20	SQAM	100	0	20.33	20.21	20.39	20.58	20.59								
Channel																
Frequency (MHz)																
15	QPSK	1	0	24.24	24.29	24.36	24.27	24.24	25.10	0						
15	QPSK	1	80	24.13	24.14	24.31	24.12	24.28								
15	QPSK	1	160	24.14	24.24	24.11	24.26	24.32								
15	QPSK	36	0	24.13	24.14	24.31	24.23	24.11								
15	QPSK	36	36	23.96	24.03	24.02	23.92	24.12	25.1	0						
15	QPSK	36	72	24.18	24.09	24.14	24.21	24.18								
15	QPSK	75	0	24.23	24.14	24.27	24.10	24.01								
15	HQAM	1	0	24.11	24.24	24.13	24.09	24.20								
15	HQAM	1	37	24.13	24.09	24.12	24.18	24.12	25.1	0						
15	HQAM	1	74	24.08	24.07	24.11	24.08	24.11								
15	HQAM	36	0	23.64	23.68	23.62	23.52	23.69								
15	HQAM	36	36	23.63	23.68	23.67	23.65	23.61								
15	HQAM	36	72	23.60	23.58	23.60	23.54	23.75	25	0.1						
15	HQAM	75	0	23.60	23.58	23.60	23.64	23.57								
15	HQAM	1	0	23.31	23.55	23.53	23.58	23.68								
15	HQAM	1	74	23.59	23.51	23.52	23.46	23.67								
15	HQAM	36	0	22.59	22.61	22.51	22.57	22.67	24	1.1						
15	HQAM	36	36	22.59	22.59	22.59	22.60	22.66								
15	HQAM	36	72	22.57	22.62	22.62	22.51	22.75								
15	HQAM	75	0	22.60	22.72	22.69	22.52	22.64								
15	SQAM	1	0	20.12	20.32	20.25	20.34	20.53	22	3.1						
15	SQAM	1	37	20.09	20.09	20.22	20.30	20.48								
15	SQAM	1	74	20.07	20.12	20.12	20.15	20.25								
15	SQAM	36	0	20.25	20.19	20.31	20.43	20.57								
15	SQAM	36	36	20.28	20.20	20.45	20.59	20.55	22	3.1						
15	SQAM	36	72	20.33	20.10	20.32	20.46	20.54								
15	SQAM	75	0	20.25	20.11	20.33	20.44	20.45								
Channel																
Frequency (MHz)																
10	QPSK	1	0	24.23	24.30	24.38	24.24	24.30	25.10	0						
10	QPSK	1	24	24.19	24.22	24.21	24.11	24.27								
10	QPSK	1	48	24.21	24.14	24.12	24.20	24.30								
10	QPSK	25	0	24.20	24.21	24.31	24.12	24.05								
10	QPSK	25	12	24.04	24.14	24.10	24.04	24.16	25.1	0						
10	QPSK	25	25	24.15	24.02	24.15	24.12	24.25								
10	QPSK	50	0	24.24	24.05	24.28	24.14	24.06								
10	HQAM	1	0	24.14	24.14	24.13	24.05	24.31								
10	HQAM	1	24	24.22	24.10	24.10	24.20	24.20	25.1	0						
10	HQAM	1	48	24.06	24.18	24.11	24.12	24.15								
10	HQAM	25	0	23.69	23.62	23.64	23.59	23.74								
10	HQAM	25	12	23.68	23.73	23.71	23.75	23.58								
10	HQAM	25	25	23.66	23.66	23.61	23.63	23.76	25	0.1						
10	HQAM	50	0	23.62	23.67	23.63	23.63	23.67								
10	HQAM	1	0	23.35	23.55	23.47	23.56	23.65								
10	HQAM	1	24	23.61	23.59	23.48	23.48	23.61								
10	HQAM	1	48	23.54	23.59	23.50	23.42	23.56	24	1.1						
10	HQAM	25	0	22.42	22.64	22.52	22.54	22.73								
10	HQAM	25	12	22.39	22.72	22.68	22.64	22.64								
10	HQAM	25	25	22.59	22.55	22.65	22.51	22.70								
10	HQAM	50	0	22.65	22.75	22.68	22.59	22.64	22	3.1						
10	SQAM	1	0	20.17	20.20	20.35	20.47	20.51								
10	SQAM	1	24	20.12	20.02	20.26	20.44	20.48								
10	SQAM	1	48	20.17	20.03	20.20	20.35	20.51								
10	SQAM	25	0	20.29	20.16	20.22	20.48	20.52	22	3.1						
10	SQAM	25	12	20.28	20.12	20.46	20.58	20.63								
10	SQAM	25	25	20.29	20.24	20.39	20.41	20.63								
10	SQAM	50	0	20.26	20.07	20.28	20.45	20.42								
Channel																
Frequency (MHz)																
5	QPSK	1	0	24.24	24.29	24.34	24.20	24.26	25.10	0						
5	QPSK	1	12	24.18	24.23	24.21	24.11	24.27								
5	QPSK	1	24	24.13	24.15	24.10	24.17	24.31								
5	QPSK	12	0	24.16	24.14	24.32	24.17	24.11								
5	QPSK	12	7	24.03	24.09	24.13	24.12	24.12	25.1	0						
5	QPSK	12	15	24.14	24.05	24.11	24.12	24.15								
5	QPSK	25	0	24.24	24.10	24.24	24.17	24.24	25.1	0						
5	HQAM	1	0	24.13	24.17	24.21	24.08	24.11								
5	HQAM	1	12	24.17	24.04	24.08	24.19	24.15								
5	HQAM	1	24	24.07	24.21	24.05	24.15	24.14								
5	HQAM	12	0	23.68	23.63	23.65	23.51	24.04	25	0.1						
5	HQAM	12	7	23.69	23.74	23.64	23.61	23.57								
5	HQAM	15	0	23.67	23.68	23.64	23.58	23.61								
5	HQAM	1	0	23.38	23.48	23.48	23.53	23.68								
5	HQAM	1	12	23.50	23.44	23.44	23.53	23.68	25	0.1						
5	HQAM	1	24	23.64	23.51	23.54	23.49	23.65								
5	HQAM	12	0	22.26	22.70	22.62	22.59	22.71								
5	HQAM	12	15	22.48	22.63	22.60	22.51	22.84								
5	HQAM	25	0	22.60	22.79	22.66	22.59	22.68	24	1.1						
5	SQAM	1	0	20.13	20.13	20.19	20.34	20.52								
5	SQAM	1	12	20.10	20.01	20.20	20.51	20.47								
5	SQAM	1	24	20.13	20.04	20.17	20.48	20.51								
5	SQAM	12	0	20.33	20.21	20.28	20.51	20.56	22	3.1						
5	SQAM	12	7	20.38	20.15	20.44	20.56	20.63								
5	SQAM	12	15	20.35	20.26	20.32	20.47	20.62								
5	SQAM	25	0	20.21	20.07	20.26	20.44	20.39								



Reduced Power for DSI 4

GSM1500_Ant 6	Base Average Power (dBm)			Tx Power Limit (dBm)	Frame Average Power (dBm)			Tx Power Limit (dBm)
	1500	1700	2000		1500	1700	2000	
Frequency (MHz)	174.2	174.2	181.2	(dBm)	174.2	174.2	181.2	(dBm)
OPNS 1 Tx Limit	32.32	31.92	32.38	33.00	32.32	32.92	32.38	34.00
OPNS 2 Tx Limit	30.33	29.93	30.38	31.00	30.33	31.05	30.38	30.00
OPNS 3 Tx Limit	28.43	28.11	28.90	29.00	28.43	28.75	28.90	29.34
OPNS 4 Tx Limit	28.01	28.04	28.75	29.00	27.81	27.84	27.75	28.00
EDGE 1 Tx Limit	24.05	24.01	24.09	27.00	17.02	18.01	18.00	18.00
EDGE 2 Tx Limit	24.01	24.22	24.79	26.00	18.01	18.72	18.79	26.00
EDGE 3 Tx Limit	23.50	23.29	23.58	24.00	18.39	18.73	18.72	26.34
EDGE 4 Tx Limit	21.00	21.01	21.00	23.00	18.60	18.01	18.00	20.00

GSM1500_Ant 5	Base Average Power (dBm)			Tx Power Limit (dBm)	Frame Average Power (dBm)			Tx Power Limit (dBm)
	1500	1600	1800		1500	1600	1800	
Frequency (MHz)	1602.2	1600	1600.8	(dBm)	1602.2	1600	1600.8	(dBm)
OPNS 1 Tx Limit	28.88	29.41	29.83	30.00	30.88	30.41	30.83	31.00
OPNS 2 Tx Limit	27.00	27.47	27.85	28.00	27.00	27.47	27.85	27.00
OPNS 3 Tx Limit	26.10	25.82	26.74	27.00	21.03	21.81	21.48	22.74
OPNS 4 Tx Limit	24.42	24.75	24.93	26.00	21.52	21.58	21.53	23.00
EDGE 1 Tx Limit	20.15	20.00	20.12	27.00	17.10	18.00	17.12	18.00
EDGE 2 Tx Limit	20.71	19.22	19.02	26.00	18.11	18.02	18.00	26.30
EDGE 3 Tx Limit	20.08	20.74	20.01	24.00	18.80	18.48	18.75	26.34
EDGE 4 Tx Limit	20.12	21.00	21.04	23.00	18.12	18.01	18.00	20.00

DSRC	WCCMA_V_Ant 6			Tx Power Limit (dBm)	WCCMA_V_Ant 5			Tx Power Limit (dBm)	WCCMA_V_Ant 4			Tx Power Limit (dBm)	
	5050	4900	5038		5112	4833	5113		4130	4800	4828		
Frequency (MHz)	4902.4	4900	4901.6	(dBm)	4834.4	4729.6	4834.4	(dBm)	4802.4	4800	4800.8	(dBm)	
ISPP-Rule0	ANSI_V2_0000	23.28	23.49	23.30	24.00	23.17	23.40	23.30	24.00	23.04	23.11	23.01	24.00
ISPP-Rule1	FMSC_V2_0000	23.29	23.00	23.22	24.00	23.19	23.02	23.41	24.00	23.05	23.12	23.02	24.00
ISPP-Rule2	HSRPA-Subnet-0	22.25	22.18	22.25	23.00	22.22	22.46	22.28	23.00	21.99	22.01	21.95	23.00
ISPP-Rule3	HSRPA-Subnet-1	22.27	22.07	22.24	23.00	22.23	22.09	22.07	23.00	21.98	22.01	21.87	23.00
ISPP-Rule4	HSRPA-Subnet-2	21.80	22.05	21.71	22.00	21.72	22.00	22.00	22.00	21.90	21.94	21.48	22.00
ISPP-Rule5	HSRPA-Subnet-3	21.83	22.01	21.74	22.00	21.72	21.95	22.08	22.00	21.43	21.55	21.41	22.00
ISPP-Rule6	DC-HSRPA-Subnet-0	22.51	22.80	22.41	23.00	22.23	22.30	22.51	23.00	21.99	21.99	21.99	23.00
ISPP-Rule7	DC-HSRPA-Subnet-1	22.08	22.05	22.08	23.00	22.23	22.23	22.05	23.00	21.98	21.08	21.99	23.00
ISPP-Rule8	DC-HSRPA-Subnet-2	22.03	22.15	22.07	22.00	21.72	22.00	21.91	22.00	21.90	21.55	21.44	22.00
ISPP-Rule9	DC-HSRPA-Subnet-3	22.08	22.10	22.00	22.00	21.72	21.80	22.01	22.00	21.43	21.31	21.41	22.00
ISPP-Rule0	HSRPA-Subnet-0	22.27	22.03	22.26	23.00	22.17	22.44	22.06	23.00	21.95	22.04	21.90	23.00
ISPP-Rule1	HSRPA-Subnet-1	22.30	22.01	22.27	21.00	22.10	22.44	22.00	21.00	18.02	20.00	18.01	21.00
ISPP-Rule2	HSRPA-Subnet-2	21.30	21.52	21.21	22.00	21.23	21.43	21.80	22.00	20.90	21.00	20.83	22.00
ISPP-Rule3	HSRPA-Subnet-3	20.28	20.48	20.34	21.00	20.10	20.41	20.90	21.00	18.91	18.99	18.90	21.00
ISPP-Rule4	HSRPA-Subnet-4	20.35	20.01	20.25	20.00	20.15	20.40	20.00	20.00	17.90	22.02	21.90	20.00



Band 2_Ant 0									
BW (MHz)	Modulation	RB Sds	RB Offset	Power Ch./F.Freq.	Power Ch./F.Freq.	Power Ch./F.Freq.	Turnup Time (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.72	22.62	22.79			
20	QPSK	1	0	22.72	22.72	22.79	24	0	
20	QPSK	1	99	22.65	22.65	22.79			
20	QPSK	1	99	22.65	22.65	22.79	23	1	
20	QPSK	50	0	21.77	21.67	21.86			
20	QPSK	50	0	21.85	21.67	21.86	23	1	
20	QPSK	50	50	21.76	21.61	21.86			
20	QPSK	100	0	21.80	21.64	21.80			
20	QPSK	100	0	22.12	22.12	22.08	23	1	
20	16QAM	1	49	21.94	22.25	21.94	23	1	
20	16QAM	50	50	22.03	22.10	21.86			
20	16QAM	50	50	20.74	20.99	20.95	22	2	
20	16QAM	50	24	20.83	20.95	20.83			
20	16QAM	50	50	20.79	20.89	20.86			
20	16QAM	1	0	20.93	21.06	20.91			
20	16QAM	1	0	20.90	21.14	20.97	22	2	
20	16QAM	1	49	20.84	21.14	20.99			
20	16QAM	1	99	20.94	20.89	20.71			
20	16QAM	50	0	19.80	20.04	19.73			
20	16QAM	50	24	19.70	19.92	19.77	21	3	
20	16QAM	50	50	19.77	19.92	19.87			
20	16QAM	1	49	17.85	18.17	17.81	19	5	
20	16QAM	1	99	17.88	18.02	17.93			
20	16QAM	50	24	17.81	18.02	17.87			
20	16QAM	50	24	17.93	18.09	17.93	19	5	
20	16QAM	50	50	17.85	17.97	17.81			
20	16QAM	100	0	17.85	18.02	17.85			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.60	22.54	22.74			
15	QPSK	1	0	22.60	22.62	22.69	24	0	
15	QPSK	1	74	22.64	22.78	22.49			
15	QPSK	36	0	21.79	21.62	21.72			
15	QPSK	36	0	21.69	21.69	21.73	23	1	
15	QPSK	36	39	21.79	21.91	21.67			
15	QPSK	75	0	21.69	21.60	21.63			
15	QPSK	75	0	21.92	22.12	21.89	23	1	
15	16QAM	1	37	21.78	22.18	21.82			
15	16QAM	1	37	21.78	22.18	21.82	23	1	
15	16QAM	36	0	21.78	22.18	21.82			
15	16QAM	36	20	20.67	20.97	20.81	22	2	
15	16QAM	36	20	20.67	20.93	20.84			
15	16QAM	75	0	20.77	20.88	20.72			
15	16QAM	1	0	20.75	21.09	20.99	22	2	
15	16QAM	1	0	20.75	21.09	20.99			
15	16QAM	1	74	20.75	20.92	20.57			
15	16QAM	36	0	19.82	19.84	19.54			
15	16QAM	36	20	19.72	19.82	19.54	21	3	
15	16QAM	36	20	19.72	19.95	19.52			
15	16QAM	75	0	19.79	19.91	19.66			
15	16QAM	1	37	17.84	18.04	17.87	19	5	
15	16QAM	1	74	17.83	17.82	17.87			
15	16QAM	36	20	17.82	17.86	17.87			
15	16QAM	36	20	17.88	17.89	17.87	19	5	
15	16QAM	75	0	17.88	17.86	17.72			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.72	22.62	22.79			
10	QPSK	1	25	22.65	22.65	22.72	24	0	
10	QPSK	1	49	22.53	22.78	22.40			
10	QPSK	1	66	22.53	22.78	22.40			
10	QPSK	25	12	21.70	21.67	21.69	23	1	
10	QPSK	25	25	21.79	21.60	21.66			
10	QPSK	25	25	21.85	21.60	21.62			
10	16QAM	1	0	21.96	22.03	22.10			
10	16QAM	1	25	21.75	22.23	21.89	23	1	
10	16QAM	25	13	20.84	20.94	20.86	22	2	
10	16QAM	25	13	20.84	20.91	20.86			
10	16QAM	25	12	20.81	20.97	20.81			
10	16QAM	70	0	20.84	20.94	20.84			
10	16QAM	1	0	20.79	20.94	20.88			
10	16QAM	1	0	20.82	20.96	20.88	22	2	
10	16QAM	1	0	20.83	20.98	20.88			
10	16QAM	25	0	19.81	19.93	19.78	21	3	
10	16QAM	25	0	19.85	19.99	19.71			
10	16QAM	25	25	19.67	19.77	19.60			
10	16QAM	50	0	19.78	19.83	19.60			
10	16QAM	1	25	17.82	18.03	17.79	19	5	
10	16QAM	1	25	17.83	17.86	17.86			
10	16QAM	25	12	17.81	17.86	17.86			
10	16QAM	25	25	17.80	17.82	17.71	19	5	
10	16QAM	50	0	17.82	17.83	17.83			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.72	22.62	22.79			
5	QPSK	1	12	22.77	22.50	22.72	24	0	
5	QPSK	1	14	22.65	22.65	22.67			
5	QPSK	1	14	22.65	22.65	22.67			
5	QPSK	12	1	21.85	21.98	21.77	23	1	
5	QPSK	12	13	21.73	21.89	21.70			
5	QPSK	180	0	21.80	21.65	21.75			
5	16QAM	1	0	22.11	22.33	22.05	23	1	
5	16QAM	1	12	22.13	22.36	22.03			
5	16QAM	1	18	22.03	22.33	22.03			
5	16QAM	12	0	20.91	21.08	20.85	22	2	
5	16QAM	12	7	20.88	21.07	20.89			
5	16QAM	12	13	20.75	20.92	20.71			
5	16QAM	25	0	20.82	20.99	20.78			
5	16QAM	25	0	20.86	21.05	20.81	22	2	
5	16QAM	1	24	20.91	21.00	20.80			
5	16QAM	12	0	19.80	20.05	19.86	21	3	
5	16QAM	12	7	19.85	20.05	19.86			
5	16QAM	12	13	19.76	19.92	19.73			
5	16QAM	25	0	19.84	20.01	19.79			
5	16QAM	25	0	17.81	18.05	17.86	19	5	
5	16QAM	1	12	17.72	18.04	17.74			
5	16QAM	1	24	17.89	17.84	17.80			
5	16QAM	12	13	17.80	17.81	17.75	19	5	
5	16QAM	12	13	17.80	17.81	17.75			
5	16QAM	180	0	17.80	17.81	17.75			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.63	22.60	22.73			
3	QPSK	1	0	22.63	22.63	22.66	24	0	
3	QPSK	1	14	22.65	22.61	22.58			
3	QPSK	1	14	22.65	22.61	22.58			
3	QPSK	8	4	21.62	22.03	21.76	23	1	
3	QPSK	8	7	21.74	21.63	21.60			
3	QPSK	8	7	21.77	21.86	21.72			
3	16QAM	1	0	22.14	22.36	22.06			
3	16QAM	1	0	22.23	22.36	22.11	23	1	
3	16QAM	8	4	20.92	21.06	20.80			
3	16QAM	8	4	20.88	21.06	20.82	22	2	
3	16QAM	8	4	20.78	20.98	20.72			
3	16QAM	16	0	20.83	21.00	20.75			
3	16QAM	1	0	21.03	21.24	20.97	22	2	
3	16QAM	1	0	20.98	21.28	20.93			
3	16QAM	1	14	20.93	21.09	20.81			
3	16QAM	8	0	19.82	20.13	19.87	21	3	
3	16QAM	8	0	19.81	20.08	19.82			
3	16QAM	8	7	19.78	19.98	19.75			
3	16QAM	1	0	17.85	18.02	17.81			
3	16QAM	1	0	17.72	17.87	17.80	19	5	
3	16QAM	1	0	17.77	18.02	17.86			
3	16QAM	8	4	17.84	17.84	17.84			
3	16QAM	8	4	17.80	17.81	17.81	19	5	
3	16QAM	16	0	17.83	17.89	17.83			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.65	22.65	22.52			
1.4	QPSK	1	3	22.76	22.50	22.46	24	0	
1.4	QPSK	1	5	22.57	22.72	22.49			
1.4	QPSK	1	22	22.74	22.62	22.64			
1.4	QPSK	3	1	22.76	22.94	22.66			
1.4	QPSK	3	2	22.70	22.89	22.58	23	1	
1.4	QPSK	3	2	21.74	21.89	21.72			
1.4	16QAM	1	0	22.04	22.31	21.99			
1.4	16QAM	1	0	22.02	22.19	21.96	23	1	
1.4	16QAM	3	0	20.89	21.04	20.80			
1.4	16QAM	3	4	20.88	21.06	20.82	22	2	
1.4	16QAM	3	4	20.78	20.98	20.72			
1.4	16QAM	16	0	20.83	21.00	20.75			
1.4	16QAM	1	0	21.03	21.24	20.97	22	2	
1.4	16QAM	1	0	20.98	21.27	20.91			
1.4	16QAM	1	14	20.91	21.13	20.86			
1.4	16QAM	1	5	20.92	21.10	20.77	22	2	
1.4	16QAM	8	0	20.85	21.07	20.78			
1.4	16QAM	8	0	20.89	21.16	20.78			
1.4	16QAM	3	3	20.94	21.09	20.75	21	3	
1.4	16QAM	3	3	20.77	20.91	20.68			
1.4	16QAM	1	0	17.82	17.98	17.80			
1.4	25QAM	1	3	17.66	17.96	17.78			
1.4	25QAM	1	3	17.69	17.85	17.79	19	5	
1.4	25QAM	3	0	17.68	17.68	17.78			
1.4	25QAM	3	1	17.62	18.00	17.63	17.84		
1.4	25QAM	3	1	17.60	17.83	17.60			
1.4	25QAM	8	0	17.87	17.91	17.78	19	5	



Band 5_Ant 0											
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Max Ch./F.Freq.	Power Min Ch./F.Freq.	Power Max Ch./F.Freq.	Turn-on Time (sec)	MFR (dB)			
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.48	22.66	22.53	24	0			
15	QPSK	1	25	22.43	22.61	22.43					
15	QPSK	1	49	22.40	22.31	22.43					
15	QPSK	25	0	21.48	21.63	21.62	23	1			
15	QPSK	25	12	21.48	21.60	21.53					
15	QPSK	25	25	21.49	21.54	21.48					
15	QPSK	50	0	21.47	21.60	21.52	23	1			
15	QPSK	50	12	21.51	21.70	21.65					
15	QPSK	50	25	22.11	21.77	21.84					
15	16QAM	1	25	21.83	21.66	21.66	22	2			
15	16QAM	1	49	21.83	21.66	21.66					
15	16QAM	25	12	20.44	20.48	20.48					
15	16QAM	25	25	20.51	20.51	20.52	21	3			
15	16QAM	50	0	20.49	20.46	20.60					
15	16QAM	50	12	20.50	20.53	20.59					
15	64QAM	1	26	20.07	20.08	20.02	22	2			
15	64QAM	1	26	20.07	20.08	20.02					
15	64QAM	25	12	20.79	20.32	20.26					
15	64QAM	25	25	19.32	19.48	19.40	21	3			
15	64QAM	25	12	19.30	19.35	19.34					
15	64QAM	25	25	19.48	19.39	19.40					
15	64QAM	50	0	19.37	19.39	19.37	19	5			
15	64QAM	50	12	17.86	17.86	17.86					
15	64QAM	50	25	17.85	18.00	17.94					
15	256QAM	1	49	17.87	17.86	17.94	19	5			
15	256QAM	1	25	17.87	17.86	17.86					
15	256QAM	25	12	17.85	17.89	18.01					
15	256QAM	25	25	17.88	17.82	17.91	19	5			
15	256QAM	50	0	17.81	17.91	17.82					
15	256QAM	50	12	17.81	17.91	17.82					
15	256QAM	50	25	17.81	17.91	17.82					
15	256QAM	50	25	17.81	17.91	17.82					
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.41	22.33	22.37	24	0			
15	QPSK	1	12	22.20	22.49	22.29					
15	QPSK	1	49	22.29	22.34	22.45					
15	QPSK	12	0	21.51	21.41	21.48	23	1			
15	QPSK	12	12	21.38	21.46	21.45					
15	QPSK	12	18	21.36	21.45	21.45					
15	QPSK	25	0	21.43	21.46	21.49	23	1			
15	QPSK	25	12	21.70	21.80	21.81					
15	QPSK	25	18	21.70	21.80	21.81					
15	16QAM	1	24	21.80	21.62	21.64	22	2			
15	16QAM	1	24	21.80	21.62	21.64					
15	16QAM	12	5	20.48	20.58	20.47					
15	16QAM	12	7	20.58	20.54	20.48	21	3			
15	16QAM	12	12	20.56	20.49	20.52					
15	16QAM	12	18	20.56	20.42	20.43					
15	64QAM	1	0	21.25	21.42	21.60	22	2			
15	64QAM	1	25	21.25	21.42	21.60					
15	64QAM	1	49	21.25	21.42	21.60					
15	64QAM	12	0	20.27	20.22	20.38	21	3			
15	64QAM	12	12	20.26	20.20	20.32					
15	64QAM	12	18	20.35	20.42	20.52					
15	64QAM	25	0	20.26	20.38	20.42	19	5			
15	64QAM	25	12	17.75	17.89	17.81					
15	64QAM	25	18	17.75	17.89	17.81					
15	256QAM	1	24	17.80	17.87	17.81	19	5			
15	256QAM	1	12	17.82	17.86	17.86					
15	256QAM	12	7	17.78	17.79	17.94					
15	256QAM	12	12	17.83	17.79	17.81	19	5			
15	256QAM	12	18	17.83	17.79	17.81					
15	256QAM	12	19	17.83	17.79	17.81					
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.41	22.33	22.37	24	0			
15	QPSK	1	25	22.25	22.48	22.31					
15	QPSK	1	49	22.28	22.47	22.24					
15	QPSK	12	0	21.30	21.49	21.43	23	1			
15	QPSK	12	12	21.38	21.43	21.31					
15	QPSK	12	18	21.30	21.49	21.43					
15	QPSK	25	0	21.86	21.60	21.62	23	1			
15	QPSK	25	12	21.87	21.44	21.34					
15	QPSK	25	18	21.86	21.60	21.62					
15	16QAM	1	8	21.87	21.44	21.34	22	2			
15	16QAM	1	16	21.86	21.47	21.32					
15	16QAM	1	24	20.47	20.41	20.51					
15	16QAM	8	0	20.48	20.65	20.54	21	3			
15	16QAM	8	4	19.43	19.72	19.67					
15	16QAM	8	7	19.45	19.46	19.36					
15	16QAM	15	0	20.30	20.40	20.43	22	2			
15	16QAM	15	0	20.36	20.72	20.79					
15	16QAM	15	0	20.76	20.30	20.76					
15	64QAM	1	14	20.78	19.91	20.86	21	3			
15	64QAM	1	8	19.87	19.61	19.43					
15	64QAM	8	4	19.83	19.72	19.67					
15	64QAM	8	7	19.45	19.46	19.36	19	5			
15	64QAM	15	0	19.23	19.43	19.39					
15	64QAM	15	0	17.75	17.83	17.79					
15	256QAM	1	8	17.77	17.80	17.79	19	5			
15	256QAM	1	14	17.81	17.83	17.84					
15	256QAM	1	20	17.80	17.79	17.84					
15	256QAM	8	4	17.84	17.77	17.76	19	5			
15	256QAM	8	7	17.83	17.86	17.86					
15	256QAM	15	0	17.82	17.85	17.87					
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.25	22.34	22.30	24	0			
15	QPSK	1	12	22.02	22.09	22.03					
15	QPSK	1	24	23.05	22.87	22.89					
15	QPSK	12	0	22.36	22.36	22.18	23	1			
15	QPSK	12	7	22.34	22.35	22.26					
15	QPSK	12	13	22.37	22.38	22.32					
15	QPSK	25	0	22.54	22.48	22.45	23	1			
15	QPSK	25	12	22.57	22.57	22.61					
15	QPSK	25	18	21.38	21.38	21.37					
15	16QAM	1	25	21.37	21.37	21.31	22	2			
15	16QAM	1	49	21.38	21.38	21.24					
15	16QAM	25	12	21.38	21.38	21.37					
15	16QAM	25	12	21.37	21.38	21.37	22	2			
15	16QAM	25	18	21.37	21.38	21.31					
15	16QAM	50	0	21.37	21.38	21.21					
15	64QAM	1	24	21.47	21.44	21.44	21	3			
15	64QAM	1	49	21.57	21.54	21.52					
15	64QAM	25	0	20.40	20.32	20.25					
15	64QAM	25	12	20.40	20.41	20.35	19	5			
15	64QAM	25	25	20.39	20.38	20.32					
15	64QAM	50	0	20.39	20.36	20.26					
15	256QAM	1	25	18.05	18.07	18.16	19	5			
15	256QAM	1	49	18.21	18.09	18.17					
15	256QAM	1	74	18.02	18.02	18.15					
15	256QAM	25	12	18.16	18.07	18.16	19	5			
15	256QAM	25	25	18.12	18.07	18.15					
15	256QAM	50	0	18.20	18.15	18.15					
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.48	22.50	22.49	24	0			
15	QPSK	1	12	22.02	22.09	22.03					
15	QPSK	1	24	23.05	22.87	22.89					
15	QPSK	12	0	22.36	22.36	22.18	23	1			
15	QPSK	12	7	22.34	22.35	22.26					
15	QPSK	12	13	22.37	22.38	22.32					
15	QPSK	25	0	22.54	22.48	22.45	23	1			
15	QPSK	25	12	22.57	22.57	22.61					
15	QPSK	25	18	21.38	21.38	21.37					
15	16QAM	1	25	21.37	21.37	21.31	22	2			
15	16QAM	1	49	21.38	21.38	21.24					
15	16QAM	25	12	21.38	21.38	21.37					
15	16QAM	25	12	21.37	21.38	21.37	22	2			
15	16QAM	25	18	21.37	21.38	21.31					
15	16QAM	50	0	21.37	21.38	21.21					
15	64QAM	1	24	21.47	21.44	21.44	21	3			
15	64QAM	1	49	21.57	21.54	21.52					
15	64QAM	25	0	20.40	20.32	20.25					
15	64QAM	25	12	20.40	20.41	20.35	19	5			
15	64QAM	25	25	20.39	20.38	20.32					
15	64QAM	50	0	20.39	20.36	20.26					
15	256QAM	1	25	18.05	18.07	18.16	19	5			
15	256QAM	1	49	18.21	18.09	18.17					
15	256QAM	1	74	18.02	18.02	18.15					
15	256QAM	25	12	18.16	18.07	18.16	19	5			
15	256QAM	25	25	18.12	18.07	18.15					
15	256QAM	50	0	18.20	18.15	18.15					
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.48	22.50	22.49	24	0			
15	QPSK	1	12	22.02	22.09	22.03					
15	QPSK	1	24	23.05	22.87	22.89					
15	QPSK	12	0	22.36	22.36	22.18	23	1			
15	QPSK	12	7	22.34	22.35	22.26					
15	QPSK	12	13	22.37	22.38	22.32					
15	QPSK	25	0	22.54	22.48	22.45	23	1			
15	QPSK	25	12	22.57	22.57	22.61					
15	QPSK	25	18	21.38	21.38	21.37					
15	16QAM	1	25	21.37	21.37	21.31	22	2			
15	16QAM	1	49	21.38	21.38	21.24					
15	16QAM	25	12	21.38	21.38	21.37					
15	16QAM	25	12	21.37	21.38	21.37	22	2			
15	16QAM	25	18	21.37	21.38	21.31					
15	16QAM	50	0	21.37	21.38	21.21					
15	64QAM	1	24	21.47	21.44	21.44	21	3			
15	64QAM	1	49	21.57	21.54	21.52					
15	64QAM	25	0	20.40	20.32	20.25					
15	64QAM	25	12	20.							



Band 13_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq	Power Mod Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.62	22.62	22.62	24	0	
10	QPSK	1	24	22.64	22.64	22.64			
10	QPSK	1	48	22.58	22.58	22.58			
10	QPSK	25	0	21.68	21.68	21.68	23	1	
10	QPSK	25	12	21.62	21.62	21.62			
10	QPSK	25	25	21.60	21.60	21.60			
10	QPSK	50	0	21.73	21.73	21.73	23	1	
10	HQAM	1	25	22.10	22.10	22.10			
10	HQAM	1	49	21.82	21.82	21.82			
10	HQAM	25	0	20.52	20.52	20.52	22	2	
10	HQAM	25	12	20.57	20.57	20.57			
10	HQAM	25	25	20.62	20.62	20.62			
10	HQAM	50	0	20.57	20.57	20.57	22	2	
10	HQAM	1	0	20.81	20.81	20.81			
10	HQAM	1	25	20.92	20.92	20.92			
10	HQAM	1	49	20.89	20.89	20.89	21	3	
10	HQAM	25	0	19.85	19.85	19.85			
10	HQAM	25	12	19.84	19.84	19.84			
10	HQAM	25	25	19.56	19.56	19.56	19	5	
10	HQAM	1	0	18.04	18.04	18.04			
10	HQAM	1	25	18.05	18.05	18.05			
10	HQAM	1	49	18.11	18.11	18.11	19	5	
10	HQAM	25	0	17.91	17.91	17.91			
10	HQAM	25	12	18.00	18.00	18.00			
10	HQAM	25	25	17.97	17.97	17.97	19	5	
10	HQAM	50	0	17.81	17.81	17.81			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.64	22.63	22.63	24	0	
5	QPSK	1	12	22.62	22.59	22.63			
5	QPSK	1	24	22.63	22.48	22.59			
5	QPSK	12	0	21.64	21.59	21.53	23	1	
5	QPSK	12	7	21.72	21.64	21.60			
5	QPSK	12	13	21.63	21.52	21.60			
5	QPSK	25	0	21.65	21.59	21.61	23	1	
5	HQAM	1	0	22.05	21.91	21.88			
5	HQAM	1	13	21.99	21.83	22.13			
5	HQAM	1	24	21.88	21.99	22.07	22	2	
5	HQAM	12	0	20.54	20.54	20.59			
5	HQAM	12	7	20.70	20.41	20.59			
5	HQAM	13	0	19.46	19.52	19.87	21	3	
5	HQAM	13	7	19.06	19.72	19.87			
5	HQAM	13	13	19.20	19.72	19.53			
5	HQAM	25	0	19.46	19.65	19.55	19	5	
5	HQAM	1	0	17.90	17.92	17.93			
5	HQAM	1	12	17.97	17.94	17.91			
5	HQAM	1	24	18.04	17.98	18.02	19	5	
5	HQAM	12	0	17.80	17.84	17.76			
5	HQAM	12	7	17.85	17.84	17.82			
5	HQAM	25	0	17.82	17.82	17.78	19	5	
5	HQAM	25	12	17.85	17.84	17.77			
5	HQAM	25	25	17.85	17.84	17.77			

Band 17_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq	Power Mod Ch / Freq	Power High Ch / Freq	Turn-on Int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.71	22.77	22.74	24	0	
10	QPSK	1	25	22.66	22.76	22.70			
10	QPSK	1	49	22.55	22.68	22.64	23	1	
10	QPSK	25	0	21.68	21.72	21.70			
10	QPSK	25	12	21.67	21.69	21.70	23	1	
10	QPSK	25	25	21.64	21.65	21.67			
10	QPSK	50	0	21.75	21.78	21.77	23	1	
10	HQAM	1	0	22.00	21.93	21.64	23	1	
10	HQAM	1	25	21.60	21.78	22.25			
10	HQAM	1	49	21.72	21.95	22.30			
10	HQAM	25	0	20.86	20.86	20.85	22	2	
10	HQAM	25	12	20.85	20.87	20.87			
10	HQAM	25	25	20.84	20.91	20.85			
10	HQAM	50	0	20.89	20.82	20.86	22	2	
10	HQAM	1	0	20.62	20.65	20.86			
10	HQAM	1	25	20.90	21.03	20.46			
10	HQAM	1	49	20.80	20.63	21.05	21	3	
10	HQAM	25	0	19.73	19.71	19.55			
10	HQAM	25	12	19.72	19.81	19.72	21	3	
10	HQAM	25	25	19.55	19.82	19.81	19	5	
10	HQAM	50	0	19.67	19.79	19.55			
10	HQAM	1	0	18.04	18.06	18.04	19	5	
10	HQAM	1	25	18.05	18.09	18.12			
10	HQAM	1	49	18.07	18.05	18.09			
10	HQAM	25	0	18.03	18.03	18.09	19	5	
10	HQAM	25	12	18.08	18.02	18.03			
10	HQAM	25	25	18.01	18.06	18.03			
10	HQAM	50	0	18.05	18.02	18.01			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.72	22.70	22.74	24	0	
5	QPSK	1	12	22.61	22.69	22.71			
5	QPSK	1	24	22.64	22.66	22.67	23	1	
5	QPSK	12	0	21.75	21.79	21.79			
5	QPSK	12	7	21.80	21.76	21.83	23	1	
5	QPSK	12	13	21.75	21.76	21.79			
5	QPSK	25	0	21.76	21.78	21.76	23	1	
5	HQAM	1	0	22.02	22.10	22.11			
5	HQAM	1	12	22.10	22.21	22.13	22	2	
5	HQAM	1	24	22.01	22.11	22.09			
5	HQAM	12	0	20.83	20.81	20.84			
5	HQAM	12	7	20.83	20.77	20.85	21	3	
5	HQAM	13	0	20.72	20.86	20.78			
5	HQAM	13	7	20.85	20.84	20.94			
5	HQAM	25	0	20.85	20.75	20.75			
5	HQAM	1	0	20.86	20.93	20.95	22	2	
5	HQAM	1	12	20.85	20.84	20.94			
5	HQAM	1	24	20.51	20.92	20.93			
5	HQAM	12	0	19.77	19.83	19.84			
5	HQAM	12	7	19.85	19.79	19.95	21	3	
5	HQAM	13	0	19.75	19.81	19.82			
5	HQAM	13	7	19.75	19.81	19.82			
5	HQAM	25	0	19.78	19.81	19.82	19	5	
5	HQAM	1	0	17.89	17.93	17.95			
5	HQAM	1	12	17.98	17.99	17.93			
5	HQAM	1	24	17.92	17.90	17.95			
5	HQAM	12	0	17.85	17.94	17.95	19	5	
5	HQAM	12	7	17.87	17.85	17.97			
5	HQAM	25	0	17.87	17.85	17.86			

Band 25_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq	Power Mod Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.83	22.83	22.89	24	0	
20	QPSK	1	48	22.85	22.99	22.79			
20	QPSK	1	96	22.78	22.83	22.68	23	1	
20	QPSK	50	0	21.94	22.15	22.01			
20	QPSK	50	24	21.93	22.14	21.97	22	2	
20	QPSK	50	50	21.97	22.12	21.84			
20	QPSK	100	0	21.95	22.09	21.98	23	1	
20	QPSK	100	48	21.78	22.46	22.22			
20	HQAM	1	48	22.16	22.35	22.11	23	1	
20	HQAM	1	96	22.13	22.27	22.08			
20	HQAM	50	0	20.96	21.11	21.02	22	2	
20	HQAM	50	24	21.01	21.19	20.99			
20	HQAM	50	50	20.98	21.13	20.87	21	3	
20	HQAM	100	0	21.07	21.08	20.99			
20	HQAM	1	0	21.09	21.25	21.06	22	2	
20	HQAM	1	48	21.06	21.26	20.99			
20	HQAM	1	96	20.93	21.15	20.88			
20	HQAM	50	0	19.95	20.15	20.00	21	3	
20	HQAM	50	24	20.04	20.30	19.99			
20	HQAM	50	50	20.00	20.16	19.88	19	5	
20	HQAM	100	0	20.02	20.09	20.00			
20	HQAM	1	0	18.06	18.15	18.17	19	5	
20	HQAM	1	48	18.09	18.07	18.02			
20	HQAM	1	96	18.12	18.11	18.08			
20	HQAM	50	0	17.87	18.07	18.05	19	5	
20	HQAM	50	24	17.88	18.09	17.95			
20	HQAM	50	50	18.00	18.07	17.88			
20	HQAM	100	0	17.84	18.05	17.92			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.83	22.73	22.80	24	0	
15	QPSK	1	37	22.86	22.71	22.98			
15	QPSK	1	74	22.55	22.68	22.42	23	1	
15	QPSK	36	0	21.71	21.88	21.79			
15	QPSK	36	18	21.79	21.93	21.73	23	1	
15	QPSK	36	36	21.77	21.88	21.61			
15	QPSK	72	0	21.78	21.80	21.73	23	1	
15	HQAM	1	0	22.01	22.14	22.07			
15	HQAM	1	37	21.90	22.07	21.96	23	1	
15	HQAM	1	74	21.57	21.67	21.52	22	2	
15	HQAM	36	0	20.73	20.83	20.70			
15	HQAM	36	18	20.81	20.94	20.77	22	2	
15	HQAM	36	36	20.79	20.92	20.69			
15	HQAM	72	0	20.78	20.90	20.76			
15	HQAM	1	0	20.82	20.97	20.81	21	3	
15	HQAM	1	37	20.73	20.88	20.73			
15	HQAM	1	74	20.50	20.62	20.43	20	2	
15	HQAM	36	0	19.79	19.92	19.76	21	3	
15	HQAM	36	18	19.87	20.01	19.78			
15	HQAM	36	36	19.81	19.91	19.67	19	5	
15	HQAM	72	0	19.80	19.92	19.76			
15	HQAM	72	18	19.82	19.95	19.78			
15	HQAM	1	0	18.00	17.91	17.96	19	5	
15	HQAM	1	37	18.01	18.06	17.91			
15	HQAM	1	74	18.01	18.06	17.91			
15	HQAM	36	0	17.82	17.92	17.81	19	5	
15	HQAM	36	18	17.84	17.95	17.83			
15	HQAM	36	36	17.84	17.95	17.81			
15	HQAM	72	0	17.88	18.00	17.85			
15	HQAM	72	18	17.88	18.00	17.85			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.72	22.87	22.71	24	0	
10	QPSK	1	24	22.72	22.85	22.68			
10	QPSK	1	48	22.66	22.81	22.64	23	1	
10	QPSK	1	72	22.78	22.91	22.62			
10	QPSK	36	0	21.87	22.00	21.82	23	1	
10	QPSK	36	24	21.79	21.96	21.75			
10	QPSK	36	48	21.82	21.99	21.79	23	1	
10	QPSK	72	0	22.10	22.26	22.09			
10	HQAM	1	0	22.03	22.11	21.96			
10	HQAM	1	24	22.06	22.15	21.94	23	1	
10	HQAM	36	0	20.78	20.92	20.69			
10	HQAM	36	24	20.85	20.98	20.80	22	2	
10	HQAM	36	48	20.88	21.03	20.82			
10	HQAM	72	0	20.83	20.96	20.80			
10	HQAM	1	0	20.87	21.04	20.83	22	2	
10	HQAM	1	48	20.89	21.04	20.82			
10	HQAM	1	72	20.82	21.03	20.81	21	3	
10	HQAM	36	0	19.91	20.07	19.86			
10	HQAM	36	24	19.97	20.02	19.82	21	3	
10	HQAM	36	48	19.92	20.05	19.80			
10	HQAM	72	0	17.96	18.01	17.83	19	5	
10	HQAM	1	0	17.93	17.94	17.91			
10	HQAM	1	24	17.93	17.95	17.86			
10	HQAM	36	0	17.88	17.98	17.86	19	5	
10	HQAM	36	24	17.87	17.97	17.85			
10	HQAM	36	48	17.89	17.95	17.86			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.77	22.95	22.66	24	0	
5	QPSK	1	12	22.74	22.92	22.68			
5	QPSK	1	24	22.72	22.87	22.62	23	1	
5	QPSK	1	36	22.70	22.85	22.60			
5	QPSK	12	0	21.70	21.90	21.74	23	1	
5	QPSK	12	12	21.79	21.98	21.74			
5	QPSK	12	24	21.78	21.96	21.74	23	1	
5	QPSK	36	0	21.81	21.95	21.73			
5	HQAM	1	0	22.08	22.27	22.02	23	1	
5	HQAM	1	12	22.05	22.30	22.05			
5	HQAM	1	24	22.08	22.32	22.06	22	2	
5	HQAM	12	0	20.75	21.00	20.74			
5	HQAM	12	12	20.82	21.06	20.77	21	3	
5	HQAM	12	24	20.81	21.08	20.77			
5	HQAM	36	0	19.93	20.18	19.87	20	2	
5	HQAM	1	0	19.87	21.02	20.78			
5	HQAM	1	12	19.87	21.02	20.78			
5	HQAM	12	0	18.11	18.37	18.05	19	5	
5	HQAM	12	12	18.77	20.01	19.80			
5	HQAM	12	24	19.86	20.02	19.80			
5	HQAM	36	0	17.99	18.26	17.88	19	5	
5	HQAM	1	0	19.81	20.02	19.79			
5	HQAM	1	12	19.83	20.03	19.80			
5	HQAM	1	24	17.93	18.03	17.83	19	5	
5	HQAM	1	36	17.94	18.04	17.83			
5	HQAM	12	0	17.83	17.93	17.83	19	5	
5	HQAM	12	12	17.83	17.93	17.83			
5	HQAM	12	24	17.85	17.90	17.81			
5	HQAM	36	0	17.89	17.89	17.87			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.70	22.89	22.74	24	0	
3	QPSK	1	6	22.73	22.92	22.71			
3	QPSK	1	12	22.72	22.91	22.71	23	1	
3	QPSK	1	18	22.71	22.90	22.71			
3	QPSK	6	0	21.79	21.95	21.74	23	1	
3	QPSK	6	6	21.84	21.94	21.73			
3	QPSK	6	12	21.75	21.94	21.65	23	1	
3	QPSK	18	0	21.73	21.95	21.73			
3	HQAM	1	0	22.20	22.39	22.19	23	1	
3	HQAM	1	6	22.17	22.35	22.14			
3	HQAM	1	12	22.05	22.27	22.05	22	2	
3	HQAM	6	0	20.87	21.02	20.85			
3	HQAM	6	6	20.79	20.99	20.75	21	3	
3	HQAM	6	12	20.82	21.06	20.77			
3	HQAM	18	0	20.87	21.02	20.86			
3	HQAM	1	0	20.96	21.16	20.91	22	2	
3	HQAM	1	6	20.93	21.13	20.91			
3	HQAM	1	12	20.84	21.01	20.81	21	3	
3	HQAM	6	0	19.89	20.04	19.81			
3	HQAM	6	6	19.89	20.04	19.81			
3	HQAM	6	12	19.87	19.97	19.86	19	5	
3	HQAM	18	0	17.96	18.02	17.91			
3	HQAM	1	0	18.00	18.08	17.91	19	5	
3	HQAM	1	6	18.01	18.07	17.92			
3	HQAM	1	12	18.01	18.07	17.92			
3	HQAM	6	0	17.83	17.97	17.83	19	5	
3	HQAM	6	6	17.82	17.88	17.72			
3	HQAM	6	12	17.83	17.88	17.72			
Channel									
Frequency (MHz)									
14	QPSK	1	0	22.66	22.75	22.68	24	0	
14	QPSK	1	3	22.66	22.88	22.63			
14	QPSK	1	6	22.65	22.73	22.59	23	1	
14	QPSK	1	9	22.64	22.76	22.59			
14	QPSK	3	0	22.66	22.90	22.62	23	1	
14	QPSK	3	3	22.61	22.89	22.59			
14	HQAM	1	0	21.99	22.17	21.91	23	1	
14	HQAM	1	3	21.98	22.27	21.96			
14	HQAM	1	6	21.96	22.18	21.88	22	2	
14	HQAM	3	0	21.72	21.87	21.68			
14	HQAM	3	3	21.68	21.80	21.63	21	3	
14	HQAM	6	0	20.74	20.90	20.68	22	2	
14	HQAM	6	3	20.90	21.05	20.84			
14	HQAM	6	6	20.97	21.09	20.87			
14	HQAM	1	0	20.88	21.07	20.82	22	2	
14	HQAM	3	0	20.82	21.02	20.75			
14	HQAM	3	3	20.87	21.04	20.77			
14	HQAM	6	0	19.81	20.01	19.77	21	3	
14	HQAM	6	3	19.72	19.91	19.62	21	3	
14	HQAM	6	6	19.78	19.92	19.68			
14	H								

Band 26_Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.56	22.56	22.53	24	0						
15	QPSK	1	31	22.56	22.55	22.53								
15	QPSK	1	74	22.53	22.53	22.49								
15	QPSK	36	0	21.80	21.81	21.79								
15	QPSK	36	20	21.72	21.88	21.71	23	1						
15	QPSK	36	39	21.57	21.78	21.68								
15	QPSK	75	0	21.71	21.76	21.67								
15	16QAM	75	9	21.76	22.23	21.60								
15	16QAM	1	37	22.14	22.21	21.83	23	1						
15	16QAM	1	74	21.80	21.82	22.09								
15	16QAM	36	0	20.68	20.69	20.65								
15	16QAM	36	20	20.74	20.93	20.94								
15	16QAM	75	9	20.77	20.84	20.82	22	2						
15	64QAM	1	0	20.99	21.05	20.94								
15	64QAM	1	37	20.94	20.96	20.81								
15	64QAM	36	0	19.72	19.77	19.77								
15	64QAM	36	20	19.75	19.80	19.75	21	3						
15	64QAM	36	39	19.83	20.04	19.80								
15	64QAM	75	9	19.87	19.89	19.82								
15	256QAM	1	0	17.83	17.81	17.84								
15	256QAM	1	37	17.75	17.83	17.81	19	5						
15	256QAM	1	74	17.84	17.82	17.80								
15	256QAM	36	0	17.86	17.77	17.69								
15	256QAM	36	20	17.89	17.72	17.72								
15	256QAM	36	39	17.73	17.78	17.77								
15	256QAM	75	9	17.71	17.70	17.68								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.51	22.45	22.47	24	0						
15	QPSK	1	29	22.50	22.49	22.52								
15	QPSK	1	49	22.50	22.51	22.48								
15	QPSK	26	0	21.63	21.65	21.58								
15	QPSK	26	13	21.60	21.66	21.59	23	1						
15	QPSK	26	26	21.58	21.62	21.63								
15	QPSK	50	0	21.62	21.59	21.58								
15	16QAM	50	9	21.58	21.70	21.58								
15	16QAM	1	29	21.82	21.83	21.89	23	1						
15	16QAM	1	49	21.89	21.87	21.84								
15	16QAM	25	0	20.66	20.65	20.61								
15	16QAM	25	12	20.65	20.62	20.60								
15	16QAM	25	26	20.62	20.57	20.57	22	2						
15	64QAM	1	0	20.83	20.75	20.75								
15	64QAM	1	26	20.80	20.69	20.68								
15	64QAM	1	49	20.98	20.72	20.71								
15	64QAM	25	0	19.87	19.82	19.82	19	5						
15	64QAM	25	12	19.87	19.86	19.84								
15	64QAM	25	26	19.82	19.87	19.87								
15	64QAM	50	0	19.65	19.68	19.69								
15	256QAM	1	0	17.72	17.71	17.77								
15	256QAM	1	26	17.82	17.87	17.85								
15	256QAM	1	49	17.76	17.87	17.82								
15	256QAM	36	0	17.84	17.85	17.85	19	5						
15	256QAM	36	20	17.88	17.81	17.86								
15	256QAM	36	39	17.73	17.78	17.77								
15	256QAM	50	0	17.86	17.86	17.86								
15	256QAM	50	9	17.86	17.86	17.86								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.51	22.45	22.47	24	0						
15	QPSK	1	19	22.50	22.50	22.52								
15	QPSK	1	29	22.51	22.51	22.45								
15	QPSK	12	7	21.57	21.61	21.56								
15	QPSK	12	13	21.64	21.59	21.52	23	1						
15	QPSK	12	26	21.66	21.62	21.63								
15	16QAM	1	0	21.94	21.80	21.82								
15	16QAM	1	12	21.80	21.88	21.75								
15	16QAM	1	49	21.88	21.91	21.88	22	2						
15	16QAM	12	6	20.99	20.94	20.81								
15	16QAM	12	7	20.81	20.58	20.80								
15	16QAM	12	13	21.05	21.08	20.87								
15	16QAM	25	0	20.60	20.49	20.59	22	2						
15	64QAM	1	0	20.73	20.71	20.63								
15	64QAM	1	26	20.87	20.72	20.72								
15	64QAM	1	49	20.98	20.72	20.69								
15	64QAM	12	9	19.83	19.56	19.70	21	3						
15	64QAM	12	7	19.84	19.59	19.59								
15	64QAM	12	13	19.59	19.59	19.59								
15	64QAM	25	0	19.80	19.50	19.61								
15	256QAM	1	0	17.68	17.68	17.77	19	5						
15	256QAM	1	12	17.59	17.76	17.74								
15	256QAM	1	24	17.76	17.86	17.85								
15	256QAM	12	9	17.56	17.66	17.64								
15	256QAM	12	7	17.83	17.86	17.87	19	5						
15	256QAM	12	13	17.88	17.82	17.86								
15	256QAM	25	0	17.80	17.50	17.59								
15	256QAM	25	9	17.84	17.59	17.59								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.47	22.45	22.48	24	0						
15	QPSK	1	8	22.52	22.45	22.50								
15	QPSK	1	14	22.48	22.52	22.44								
15	QPSK	8	0	21.57	21.62	21.55								
15	QPSK	8	4	21.57	21.61	21.59	23	1						
15	QPSK	8	7	21.59	21.56	21.47								
15	QPSK	10	0	21.18	21.47	21.35								
15	16QAM	1	0	21.93	21.88	21.79								
15	16QAM	1	8	21.93	21.86	21.87	23	1						
15	16QAM	1	8	21.79	21.75	21.82								
15	16QAM	8	0	20.63	20.50	20.58								
15	16QAM	8	4	20.69	20.65	20.66								
15	16QAM	8	7	20.69	20.65	20.66	22	2						
15	16QAM	16	0	20.60	20.52	20.60								
15	64QAM	1	0	20.73	20.66	20.78								
15	64QAM	1	8	20.82	20.75	20.79								
15	64QAM	1	14	20.79	20.78	20.70	21	3						
15	64QAM	8	0	19.85	19.58	19.62								
15	64QAM	8	4	19.85	19.69	19.63								
15	64QAM	8	7	19.82	19.67	19.64								
15	64QAM	16	0	19.67	19.53	19.64	19	5						
15	256QAM	1	0	17.70	17.74	17.88								
15	256QAM	1	8	17.65	17.67	17.65								
15	256QAM	1	14	17.71	17.83	17.77	19	5						
15	256QAM	1	29	17.61	17.72	17.68								
15	256QAM	8	0	17.72	17.87	17.87								
15	256QAM	8	4	17.68	17.67	17.67								
15	256QAM	8	7	17.63	17.61	17.68								
15	256QAM	16	0	17.52	17.64	17.60								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.47	22.45	22.48	24	0						
15	QPSK	1	8	22.47	22.45	22.48								
15	QPSK	1	14	22.48	22.52	22.44								
15	QPSK	8	0	21.57	21.62	21.55								
15	QPSK	8	4	21.57	21.61	21.59	23	1						
15	QPSK	8	7	21.59	21.56	21.47								
15	QPSK	10	0	21.18	21.47	21.35								
15	16QAM	1	0	21.93	21.88	21.79								
15	16QAM	1	8	21.93	21.86	21.87	23	1						
15	16QAM	1	8	21.79	21.75	21.82								
15	16QAM	8	0	20.63	20.50	20.58								
15	16QAM	8	4	20.69	20.65	20.66								
15	16QAM	8	7	20.69	20.65	20.66	22	2						
15	16QAM	16	0	20.60	20.52	20.60								
15	64QAM	1	0	20.73	20.66	20.78								
15	64QAM	1	8	20.82	20.75	20.79								
15	64QAM	1	14	20.79	20.78	20.70	21	3						
15	64QAM	8	0	19.85	19.58	19.62								
15	64QAM	8	4	19.85	19.69	19.63								
15	64QAM	8	7	19.82	19.67	19.64								
15	64QAM	16	0	19.67	19.53	19.64	19	5						
15	256QAM	1	0	17.70	17.74	17.88								
15	256QAM	1	8	17.65	17.67	17.65								
15	256QAM	1	14	17.71	17.83	17.77	19	5						
15	256QAM	1	29	17.61	17.72	17.68								
15	256QAM	8	0	17.72	17.87	17.87								
15	256QAM	8	4	17.68	17.67	17.67								
15	256QAM	8	7	17.63	17.61	17.68								
15	256QAM	16	0	17.52	17.64	17.60								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.47	22.45	22.48	24	0						
15	QPSK	1	8	22.47	22.45	22.48								
15	QPSK	1	14	22.48	22.52	22.44								
15	QPSK	8	0	21.57	21.62	21.55								
15	QPSK	8	4	21.57	21.61	21.59	23	1						
15	QPSK	8	7	21.59	21.56	21.47								
15	QPSK	10	0	21.18	21.47	21.35								
15	16QAM	1	0	21.93	21.88	21.79								
15	16QAM	1	8	21.93	21.86	21.87	23	1						
15	16QAM	1	8	21.79	21.75	21.82								
15	16QAM	8	0	20.63	20.50	20.58								
15	16QAM	8	4	20.69	20.65	20.66								
15	16QAM	8	7	20.69	20.65	20.66	22	2						
15	16QAM	16	0	20.60	20.52	20.60								
15	64QAM	1	0	20.73	20.66	20.78								
15	64QAM	1	8	20.82	20.75	20.79								
15	64QAM	1	14	20.79	20.78	20.70	21	3						
15	64QAM	8	0	19.85	19.58	19.62								
15	64QAM	8	4	19.85	19.69	19.63								
15	64QAM	8	7	19.82	19.67	19.64								
15	64QAM	16	0	19.67	19.53	19.64	19	5						
15	256QAM	1	0	17.70	17.74	17.88								
15	256QAM	1	8	17.65	17.67	1								

Band 38_Ant 0																
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mod Ch / Freq.	Power High Ch / Freq.	Take-up time (ms)	MPE (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	23.06	23.03	23.15	24	0								
20	QPSK	1	49	23.15	23.12	23.07										
20	QPSK	1	99	23.17	23.19	23.09										
20	QPSK	50	0	22.22	22.23	22.18										
20	QPSK	50	24	22.13	22.18	22.09	23	1								
20	QPSK	50	50	22.17	22.21	22.12										
20	QPSK	100	0	22.24	22.25	22.22										
20	16QAM	1	0	22.23	22.23	22.17										
20	16QAM	1	49	22.29	22.28	22.17	23	1								
20	16QAM	1	99	22.30	22.33	22.24										
20	16QAM	50	0	20.88	20.92	20.89										
20	16QAM	50	24	20.86	21.05	21.05										
20	16QAM	100	0	21.08	21.03	20.95	22	2								
20	16QAM	100	0	21.07	20.98	20.97										
20	64QAM	1	0	20.92	20.91	20.93										
20	64QAM	1	49	20.74	20.99	20.75										
20	64QAM	1	99	20.92	20.87	20.73	22	2								
20	64QAM	50	0	19.82	19.97	19.88										
20	64QAM	50	24	20.10	20.00	20.02										
20	64QAM	50	50	20.12	20.18	20.01										
20	64QAM	100	0	20.01	20.01	19.98	21	3								
20	256QAM	1	0	17.87	17.89	17.87										
20	256QAM	1	49	17.89	18.04	17.86										
20	256QAM	1	99	18.00	18.05	17.90										
20	256QAM	50	0	18.05	18.13	18.12	19	5								
20	256QAM	50	24	18.08	18.19	18.12										
20	256QAM	50	50	18.12	18.20	18.06										
20	256QAM	100	0	17.98	18.12	17.97										
Channel																
Frequency (MHz)																
15	QPSK	1	0	22.85	22.81	22.91	24	0								
15	QPSK	1	49	23.03	23.03	22.95										
15	QPSK	1	74	23.04	23.14	22.80										
15	QPSK	36	0	21.86	22.00	21.86										
15	QPSK	36	36	21.81	22.13	22.08	23	1								
15	QPSK	36	36	21.84	22.09	22.02										
15	QPSK	75	0	22.03	22.04	21.97										
15	16QAM	1	0	22.06	22.12	22.13										
15	16QAM	1	37	22.02	22.13	22.14	23	1								
15	16QAM	1	74	22.04	22.26	22.12										
15	16QAM	36	0	20.88	20.97	20.94										
15	16QAM	36	36	21.00	21.00	21.07										
15	16QAM	75	0	21.03	21.16	20.90	22	2								
15	16QAM	75	0	21.03	21.16	20.90										
15	64QAM	1	0	20.48	20.64	20.48										
15	64QAM	1	20	20.47	20.63	20.43										
15	64QAM	1	74	20.61	20.79	20.61	22	2								
15	64QAM	1	74	20.79	20.86	20.74										
15	64QAM	36	0	18.81	19.83	19.76										
15	64QAM	36	36	19.85	20.00	19.86										
15	64QAM	36	36	19.86	20.05	19.81	21	3								
15	64QAM	75	0	18.98	20.01	19.96										
15	256QAM	1	0	17.76	17.80	17.85										
15	256QAM	1	37	17.78	17.93	17.82										
15	256QAM	1	74	17.82	17.98	17.80	19	5								
15	256QAM	36	0	17.97	18.05	18.00										
15	256QAM	36	36	17.85	18.05	18.05										
15	256QAM	75	0	17.92	18.20	18.00										
15	256QAM	75	0	17.82	18.05	17.82	19	5								
15	256QAM	75	0	17.82	18.05	17.82										
Channel																
Frequency (MHz)																
10	QPSK	1	0	23.00	23.12	22.86	24	0								
10	QPSK	1	25	22.89	23.11	23.11										
10	QPSK	1	25	23.05	23.15	22.80										
10	QPSK	25	0	21.96	21.97	21.86										
10	QPSK	25	12	22.06	22.16	21.86	23	1								
10	QPSK	25	25	21.91	22.04	21.88										
10	QPSK	50	0	22.07	22.09	21.91										
10	16QAM	1	0	22.23	22.23	22.15										
10	16QAM	1	25	21.68	22.11	21.73	23	1								
10	16QAM	1	49	22.06	22.18	21.88										
10	16QAM	25	0	21.02	21.08	20.80										
10	16QAM	25	12	21.13	21.07	21.11										
10	16QAM	25	25	21.10	21.09	21.01	22	2								
10	16QAM	50	0	21.05	21.11	20.94										
10	64QAM	1	0	20.46	20.68	20.48										
10	64QAM	1	25	20.67	20.80	20.61										
10	64QAM	1	49	20.74	20.90	20.77	22	2								
10	64QAM	25	0	19.75	19.92	19.74										
10	64QAM	25	12	19.80	20.04	19.88										
10	64QAM	25	25	19.92	20.09	19.90										
10	64QAM	50	0	20.00	20.02	20.01	21	3								
10	256QAM	1	0	17.80	17.84	17.74										
10	256QAM	1	25	17.78	17.99	17.78										
10	256QAM	1	49	17.80	17.85	17.77										
10	256QAM	25	0	17.80	18.08	17.86	19	5								
10	256QAM	25	12	18.00	18.03	17.99										
10	256QAM	25	25	17.99	18.04	18.01										
10	256QAM	50	0	17.82	18.00	17.85										
Channel																
Frequency (MHz)																
5	QPSK	1	0	22.75	22.97	22.91	24	0								
5	QPSK	1	12	22.83	23.09	23.06										
5	QPSK	1	24	22.75	23.13	23.14										
5	QPSK	12	0	21.96	22.01	21.94										
5	QPSK	12	7	21.98	22.02	22.03	23	1								
5	QPSK	12	13	22.04	22.15	21.90										
5	QPSK	25	0	21.96	22.05	22.00										
5	16QAM	1	0	21.97	22.17	22.00										
5	16QAM	1	13	21.84	22.10	22.06	23	1								
5	16QAM	1	24	22.11	22.19	22.15										
5	16QAM	12	0	20.80	21.13	21.08										
5	16QAM	12	7	21.02	21.10	20.92										
5	16QAM	12	13	20.98	21.12	21.00	22	2								
5	16QAM	25	0	20.80	21.05	20.95										
5	64QAM	1	0	20.41	20.64	20.40										
5	64QAM	1	12	20.63	20.80	20.63										
5	64QAM	1	24	20.71	20.87	20.74	22	2								
5	64QAM	12	0	19.79	19.92	19.76										
5	64QAM	12	7	19.80	20.04	19.84										
5	64QAM	12	13	19.88	20.09	19.83										
5	64QAM	25	0	19.92	19.99	19.83	21	3								
5	64QAM	25	12	17.72	17.72	17.78										
5	64QAM	25	24	17.73	17.94	17.81										
5	256QAM	1	0	17.80	17.84	17.79										
5	256QAM	1	12	17.80	17.84	17.74	19	5								
5	256QAM	1	24	17.83	17.88	18.02										
5	256QAM	12	0	18.01	18.11	17.81										
5	256QAM	12	7	17.80	18.00	17.80										

Band 38 HPUE_Ant 1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (min)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.64	23.70	23.70	25.5	0	24	0				
20	QPSK	1	49	23.72	23.70	23.68								
20	QPSK	1	99	23.78	23.61	23.62								
20	QPSK	50	0	22.77	22.98	22.98	24.5	1	23	1				
20	QPSK	50	24	22.91	22.85	22.85								
20	QPSK	50	50	22.88	22.83	22.84								
20	QPSK	100	0	22.82	22.87	22.87	24.5	1	23	1				
20	16QAM	1	0	23.18	23.02	23.13								
20	16QAM	1	49	23.18	23.15	23.04								
20	16QAM	100	0	23.12	23.07	23.01	23.5	2	22	2				
20	16QAM	50	0	21.82	21.85	21.84								
20	16QAM	50	24	21.97	21.82	21.80								
20	16QAM	100	0	21.95	21.90	21.90	23.5	2	22	2				
20	64QAM	1	0	21.79	21.72	21.86								
20	64QAM	1	49	21.85	21.90	21.75								
20	64QAM	100	0	21.99	21.98	21.81	22.5	3	21	3				
20	64QAM	50	0	20.83	20.83	20.91								
20	64QAM	50	24	20.95	20.88	20.96								
20	64QAM	50	50	20.93	20.93	20.97	20.5	5	19	5				
20	256QAM	1	0	18.50	18.68	18.52								
20	256QAM	1	49	18.65	18.75	18.67								
20	256QAM	1	99	18.69	18.74	18.68	20.5	5	19	5				
20	256QAM	50	0	18.60	18.73	18.57								
20	256QAM	50	24	18.67	18.78	18.63								
20	256QAM	50	50	18.70	18.81	18.68	20.5	5	19	5				
20	256QAM	100	0	18.54	18.69	18.58								
20	256QAM	100	0	18.54	18.69	18.58								
Channel														
Frequency (MHz)														
15	QPSK	1	0	23.53	23.67	23.61	25.5	0	24	0				
15	QPSK	1	49	23.62	23.63	23.68								
15	QPSK	1	74	23.62	23.58	23.52								
15	QPSK	36	0	22.71	22.85	22.74	24.5	1	23	1				
15	QPSK	36	36	22.75	22.75	22.77								
15	QPSK	36	36	22.83	22.78	22.71								
15	QPSK	75	0	22.70	22.71	22.75	24.5	1	23	1				
15	QPSK	75	0	22.65	22.60	22.65								
15	16QAM	1	37	23.02	23.10	22.99								
15	16QAM	1	74	23.02	23.08	22.96	23.5	2	22	2				
15	16QAM	36	0	21.68	21.77	21.69								
15	16QAM	36	36	21.82	21.81	21.80								
15	16QAM	75	0	21.83	21.88	21.82	23.5	2	22	2				
15	16QAM	75	0	21.83	21.60	21.77								
15	64QAM	1	0	21.70	21.61	21.62								
15	64QAM	1	37	21.85	21.82	21.82	22.5	3	21	3				
15	64QAM	1	74	21.87	21.83	21.71								
15	64QAM	36	0	20.76	20.69	20.86								
15	64QAM	36	36	20.80	20.77	20.82	20.5	5	19	5				
15	64QAM	75	0	20.79	20.72	20.74								
15	256QAM	1	0	18.51	18.52	18.52								
15	256QAM	1	37	18.50	18.55	18.52	20.5	5	19	5				
15	256QAM	1	74	18.51	18.58	18.50								
15	256QAM	36	0	18.53	18.51	18.55								
15	256QAM	36	36	18.51	18.63	18.52	20.5	5	19	5				
15	256QAM	36	75	18.54	18.65	18.53								
15	256QAM	75	0	18.54	18.51	18.53								
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.58	23.69	23.56	25.5	0	24	0				
10	QPSK	1	25	23.59	23.55	23.60								
10	QPSK	1	49	23.68	23.62	23.62								
10	QPSK	25	0	22.84	22.89	22.83	24.5	1	23	1				
10	QPSK	25	12	22.84	22.78	22.77								
10	QPSK	25	25	22.77	22.77	22.74								
10	QPSK	50	0	22.78	22.79	22.70	24.5	1	23	1				
10	16QAM	1	0	23.10	23.05	23.05								
10	16QAM	1	25	23.01	23.05	22.92								
10	16QAM	1	49	22.99	22.97	22.88	23.5	2	22	2				
10	16QAM	25	0	21.73	21.74	21.60								
10	16QAM	25	12	21.88	21.85	21.92								
10	16QAM	25	25	21.85	21.82	21.82	23.5	2	22	2				
10	16QAM	50	0	21.81	21.69	21.82								
10	64QAM	1	0	21.68	21.68	21.64								
10	64QAM	1	25	21.78	21.68	21.68	22.5	3	21	3				
10	64QAM	25	0	20.67	20.74	20.83								
10	64QAM	25	12	20.81	20.82	20.80								
10	64QAM	25	25	20.88	20.83	20.91	20.5	5	19	5				
10	64QAM	50	0	20.85	20.75	20.80								
10	256QAM	1	0	18.55	18.55	18.52								
10	256QAM	1	25	18.51	18.67	18.61	20.5	5	19	5				
10	256QAM	1	49	18.61	18.62	18.52								
10	256QAM	25	0	18.53	18.64	18.50								
10	256QAM	25	12	18.57	18.63	18.51	20.5	5	19	5				
10	256QAM	25	25	18.62	18.74	18.61								
10	256QAM	50	0	18.55	18.62	18.53								
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.57	23.71	23.62	25.5	0	24	0				
5	QPSK	1	12	23.65	23.62	23.62								
5	QPSK	1	24	23.72	23.51	23.57								
5	QPSK	12	0	22.67	22.82	22.74	24.5	1	23	1				
5	QPSK	12	7	22.81	22.78	22.75								
5	QPSK	12	13	22.73	22.77	22.72								
5	16QAM	1	0	23.13	22.96	22.97	24.5	1	23	1				
5	16QAM	1	13	23.02	23.07	22.95								
5	16QAM	1	24	23.02	23.02	22.87								
5	16QAM	12	0	21.77	21.73	21.72	23.5	2	22	2				
5	16QAM	12	7	21.90	21.85	21.88								
5	16QAM	12	13	21.90	21.84	21.84								
5	16QAM	25	0	21.76	21.75	21.75	23.5	2	22	2				
5	64QAM	1	0	21.65	21.64	21.62								
5	64QAM	1	12	21.88	21.83	21.99								
5	64QAM	1	24	21.81	21.84	21.71	22.5	3	21	3				
5	64QAM	12	0	20.75	20.78	20.79								
5	64QAM	12	7	20.79	20.86	20.84								
5	64QAM	25	0	20.84	20.67	20.67	20.5	5	19	5				
5	256QAM	1	0	18.52	18.59	18.52								
5	256QAM	1	12	18.60	18.61	18.63								
5	256QAM	1	24	18.55	18.67	18.55	20.5	5	19	5				
5	256QAM	12	0	18.51	18.64	18.52								
5	256QAM	12	7	18.52	18.67	18.58								
5	256QAM	12	13	18.54	18.73	18.54	20.5	5	19	5				
5	256QAM	25	0	18.51	18.64	18.52								
5	256QAM	25	7	18.52	18.73	18.54								



Band 41 HPUE_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Mode Ch. / Freq.	Power Power Mode Ch. / Freq.	Power High Mode Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (min)	APRS (dB)		
Channel												
Frequency (MHz)												
20	QPSK	1	0	25.56	25.55	25.60	25.55	25.52	27	0		
20	QPSK	1	48	25.61	25.67	25.58	25.45	25.56				
20	QPSK	1	96	25.54	25.53	25.53	25.59	25.58				
20	QPSK	10	0	24.70	24.65	24.81	24.77	24.71				
20	QPSK	50	24	24.71	24.63	24.80	24.80	24.71	26	1		
20	QPSK	50	50	24.72	24.60	24.79	24.78	24.68				
20	QPSK	100	0	24.77	24.58	24.79	24.78	24.68				
20	16QAM	1	0	24.94	24.96	24.94	25.03	25.05				
20	16QAM	1	48	24.91	24.93	24.90	24.89	24.89	26	1		
20	16QAM	1	96	24.90	25.00	25.02	24.93	25.00				
20	16QAM	50	0	23.81	23.89	23.74	23.79	23.80				
20	16QAM	50	24	23.84	23.91	23.84	23.85	23.86				
20	16QAM	100	0	23.82	23.87	23.84	23.89	23.90	25	2		
20	64QAM	1	0	23.75	23.76	23.89	23.78	23.87				
20	64QAM	1	96	23.76	23.78	23.80	23.74	23.89				
20	64QAM	50	0	22.87	22.87	22.75	22.79	22.88				
20	64QAM	50	24	22.84	22.91	22.85	22.84	22.85	24			
20	64QAM	50	50	22.80	22.85	22.84	22.85	22.80				
20	256QAM	1	0	20.38	20.19	20.47	20.27	20.69				
20	256QAM	1	48	20.33	20.22	20.46	20.63	20.67				
20	256QAM	1	96	20.38	20.19	20.47	20.27	20.69	22	5		
20	256QAM	50	0	20.54	20.42	20.54	20.68	20.79				
20	256QAM	50	24	20.58	20.43	20.61	20.73	20.77				
20	256QAM	50	50	20.53	20.34	20.59	20.66	20.60				
20	256QAM	100	0	20.48	20.37	20.53	20.72	20.69				
Channel				26975	40173	40500	40519	41015				
Frequency (MHz)				26975	26975	26975	26975	26975	Time-up limit (min)	APRS (dB)		
15	QPSK	1	0	25.52	25.47	25.50	25.43	25.41	27.00	0		
15	QPSK	1	48	25.54	25.40	25.53	25.33	25.46				
15	QPSK	1	74	25.53	25.58	25.52	25.59	25.52				
15	QPSK	36	0	24.71	24.76	24.73	24.69	24.62				
15	QPSK	36	36	24.70	24.68	24.75	24.72	24.64	26	1		
15	QPSK	36	36	24.76	24.73	24.70	24.57	24.58				
15	QPSK	75	0	24.73	24.69	24.76	24.62	24.68				
15	16QAM	1	0	24.80	24.83	24.87	24.80	24.87				
15	16QAM	1	37	24.80	24.91	24.86	24.65	24.68	26	1		
15	16QAM	1	74	24.84	24.84	24.78	24.81	24.74				
15	16QAM	36	0	23.71	23.76	23.59	23.58	23.61				
15	16QAM	36	20	23.62	23.69	23.75	23.61	23.65				
15	16QAM	75	0	23.68	23.66	23.62	23.65	23.64	25	2		
15	16QAM	75	0	23.80	23.74	23.67	23.65	23.74				
15	64QAM	1	0	23.21	23.65	23.65	23.55	23.41				
15	64QAM	1	37	23.27	23.71	23.65	23.55	23.60				
15	64QAM	1	74	23.68	23.68	23.76	23.58	23.56	24	3		
15	64QAM	36	0	22.19	22.81	22.73	22.65	22.57				
15	64QAM	36	20	22.20	22.72	22.76	22.70	22.76				
15	64QAM	36	36	22.45	22.79	22.71	22.64	22.61				
15	64QAM	75	0	22.26	22.74	22.67	22.70	22.59	22	5		
15	256QAM	1	0	20.27	20.23	20.36	20.58	20.64				
15	256QAM	1	37	20.17	20.14	20.41	20.49	20.52				
15	256QAM	1	74	20.17	20.17	20.28	20.28	20.27				
15	256QAM	36	0	20.45	20.26	20.40	20.55	20.67	22	5		
15	256QAM	36	20	20.40	20.30	20.51	20.62	20.67				
15	256QAM	75	0	20.36	20.20	20.46	20.60	20.68				
15	256QAM	75	0	20.34	20.25	20.38	20.60	20.61				
Channel				30705	40168	40500	41000	41505				
Frequency (MHz)				30705	30705	30705	30705	30705	Time-up limit (min)	APRS (dB)		
5	QPSK	1	0	25.54	25.50	25.50	25.43	25.40	27.00	0		
5	QPSK	1	12	25.50	25.56	25.51	25.55	25.43				
5	QPSK	1	24	25.48	25.53	25.50	25.46	25.46				
5	QPSK	12	0	24.88	24.84	24.79	24.71	24.63				
5	QPSK	12	7	24.85	24.93	24.90	24.62	24.77	26	1		
5	QPSK	12	13	24.82	24.83	24.83	24.75	24.73				
5	QPSK	25	0	24.82	24.70	24.79	24.70	24.75				
5	16QAM	1	0	24.95	24.83	24.87	24.86	24.87				
5	16QAM	1	12	24.90	24.88	25.00	24.89	24.84	26	1		
5	16QAM	1	24	25.02	24.93	24.95	25.16	24.81				
5	16QAM	12	0	23.96	23.86	23.90	23.86	23.77				
5	16QAM	12	7	23.96	23.85	23.93	23.68	23.83				
5	16QAM	12	13	24.04	23.96	23.97	23.79	23.87	25	2		
5	64QAM	1	0	23.86	23.87	23.84	23.59	23.74				
5	64QAM	1	12	23.86	23.87	23.84	23.59	23.74				
5	64QAM	1	24	23.31	23.84	23.97	23.92	23.92				
5	64QAM	12	0	22.26	22.92	22.93	22.83	22.84	24	3		
5	64QAM	12	7	22.32	22.80	22.81	22.66	22.83				
5	64QAM	12	13	23.31	22.89	22.88	22.86	22.86				
5	64QAM	25	0	22.37	22.92	22.97	22.86	22.82				
5	256QAM	1	0	20.27	20.22	20.37	20.59	20.65	22	5		
5	256QAM	1	12	20.27	20.16	20.39	20.49	20.60				
5	256QAM	1	24	20.29	20.12	20.35	20.44	20.61				
5	256QAM	12	0	20.38	20.26	20.42	20.57	20.63				
5	256QAM	12	7	20.42	20.37	20.54	20.63	20.63	22	5		
5	256QAM	12	13	20.38	20.27	20.50	20.60	20.74				
5	256QAM	25	0	20.36	20.23	20.38	20.59	20.54				



CA_7C Ant 0											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	1	0	Default Power	23.57	24.00
21100	21298	QPSK	1	99	1	0	1	0	Default Power	23.61	24.00
21350	21152	QPSK	1	0	1	99	1	0	Default Power	23.03	24.00
20850	21048	QPSK	1	99	1	0	1	0	DSI 2(Standalone)	23.57	24.00
21100	21298	QPSK	1	99	1	0	1	0	DSI 2(Standalone)	23.61	24.00
21350	21152	QPSK	1	0	1	99	1	0	DSI 2(Standalone)	23.03	24.00
20850	21048	QPSK	1	99	1	0	1	0	DSI 2(Simultaneous)	23.57	24.00
21100	21298	QPSK	1	99	1	0	1	0	DSI 2(Simultaneous)	23.61	24.00
21350	21152	QPSK	1	0	1	99	1	0	DSI 2(Simultaneous)	23.03	24.00
20850	21048	QPSK	1	99	1	0	1	0	DSI 3(Standalone)	17.88	19.20
21100	21298	QPSK	1	99	1	0	1	0	DSI 3(Standalone)	17.85	19.20
21350	21152	QPSK	1	0	1	99	1	0	DSI 3(Standalone)	17.78	19.20
20850	21048	QPSK	1	99	1	0	1	0	DSI 3(Simultaneous)	14.66	16.00
21100	21298	QPSK	1	99	1	0	1	0	DSI 3(Simultaneous)	14.70	16.00
21350	21152	QPSK	1	0	1	99	1	0	DSI 3(Simultaneous)	14.68	16.00
20850	21048	QPSK	1	99	1	0	1	0	DSI 6(Standalone)	20.59	21.90
21100	21298	QPSK	1	99	1	0	1	0	DSI 6(Standalone)	20.42	21.90
21350	21152	QPSK	1	0	1	99	1	0	DSI 6(Standalone)	20.58	21.90
20850	21048	QPSK	1	99	1	0	1	0	DSI 6(Simultaneous)	20.59	21.90
21100	21298	QPSK	1	99	1	0	1	0	DSI 6(Simultaneous)	20.42	21.90
21350	21152	QPSK	1	0	1	99	1	0	DSI 6(Simultaneous)	20.58	21.90

CA_7C Ant 1											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	1	0	Default Power	21.69	23.00
21100	21298	QPSK	1	99	1	0	1	0	Default Power	21.72	23.00
21350	21152	QPSK	1	0	1	99	1	0	Default Power	21.11	23.00
20850	21048	QPSK	1	99	1	0	1	0	DSI 2(Standalone)	17.01	18.60
21100	21298	QPSK	1	99	1	0	1	0	DSI 2(Standalone)	16.95	18.60
21350	21152	QPSK	1	0	1	99	1	0	DSI 2(Standalone)	17.04	18.60
20850	21048	QPSK	1	99	1	0	1	0	DSI 2(Simultaneous)	14.43	16.00
21100	21298	QPSK	1	99	1	0	1	0	DSI 2(Simultaneous)	14.38	16.00
21350	21152	QPSK	1	0	1	99	1	0	DSI 2(Simultaneous)	14.45	16.00
20850	21048	QPSK	1	99	1	0	1	0	DSI 3(Standalone)	17.80	19.40
21100	21298	QPSK	1	99	1	0	1	0	DSI 3(Standalone)	17.84	19.40
21350	21152	QPSK	1	0	1	99	1	0	DSI 3(Standalone)	17.73	19.40
20850	21048	QPSK	1	99	1	0	1	0	DSI 3(Simultaneous)	14.49	16.00
21100	21298	QPSK	1	99	1	0	1	0	DSI 3(Simultaneous)	14.53	16.00
21350	21152	QPSK	1	0	1	99	1	0	DSI 3(Simultaneous)	14.45	16.00
20850	21048	QPSK	1	99	1	0	1	0	DSI 6(Standalone)	19.14	20.60
21100	21298	QPSK	1	99	1	0	1	0	DSI 6(Standalone)	18.95	20.60
21350	21152	QPSK	1	0	1	99	1	0	DSI 6(Standalone)	19.16	20.60
20850	21048	QPSK	1	99	1	0	1	0	DSI 6(Simultaneous)	18.53	20.00
21100	21298	QPSK	1	99	1	0	1	0	DSI 6(Simultaneous)	18.35	20.00
21350	21152	QPSK	1	0	1	99	1	0	DSI 6(Simultaneous)	18.58	20.00



CA_38C Ant 0											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	1	0	Default Power	23.61	24.00
37901	38099	QPSK	1	99	1	0	1	0	Default Power	23.63	24.00
38150	37952	QPSK	1	0	1	99	1	0	Default Power	23.01	24.00
37850	38048	QPSK	1	99	1	0	1	0	DSI 2(Standalone)	23.61	24.00
37901	38099	QPSK	1	99	1	0	1	0	DSI 2(Standalone)	23.63	24.00
38150	37952	QPSK	1	0	1	99	1	0	DSI 2(Standalone)	23.01	24.00
37850	38048	QPSK	1	99	1	0	1	0	DSI 2(Simultaneous)	23.61	24.00
37901	38099	QPSK	1	99	1	0	1	0	DSI 2(Simultaneous)	23.63	24.00
38150	37952	QPSK	1	0	1	99	1	0	DSI 2(Simultaneous)	23.01	24.00
37850	38048	QPSK	1	99	1	0	1	0	DSI 3(Standalone)	20.19	21.40
37901	38099	QPSK	1	99	1	0	1	0	DSI 3(Standalone)	20.13	21.40
38150	37952	QPSK	1	0	1	99	1	0	DSI 3(Standalone)	20.29	21.40
37850	38048	QPSK	1	99	1	0	1	0	DSI 3(Simultaneous)	16.71	17.90
37901	38099	QPSK	1	99	1	0	1	0	DSI 3(Simultaneous)	16.76	17.90
38150	37952	QPSK	1	0	1	99	1	0	DSI 3(Simultaneous)	16.83	17.90
37850	38048	QPSK	1	99	1	0	1	0	DSI 6(Standalone)	22.17	23.50
37901	38099	QPSK	1	99	1	0	1	0	DSI 6(Standalone)	22.30	23.50
38150	37952	QPSK	1	0	1	99	1	0	DSI 6(Standalone)	22.35	23.50
37850	38048	QPSK	1	99	1	0	1	0	DSI 6(Simultaneous)	22.17	23.50
37901	38099	QPSK	1	99	1	0	1	0	DSI 6(Simultaneous)	22.30	23.50
38150	37952	QPSK	1	0	1	99	1	0	DSI 6(Simultaneous)	22.35	23.50

CA_38C Ant 1											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	1	0	Default Power	21.65	23.00
37901	38099	QPSK	1	99	1	0	1	0	Default Power	21.53	23.00
38150	37952	QPSK	1	0	1	99	1	0	Default Power	20.98	23.00
37850	38048	QPSK	1	99	1	0	1	0	DSI 2(Standalone)	18.80	20.50
37901	38099	QPSK	1	99	1	0	1	0	DSI 2(Standalone)	18.90	20.50
38150	37952	QPSK	1	0	1	99	1	0	DSI 2(Standalone)	18.85	20.50
37850	38048	QPSK	1	99	1	0	1	0	DSI 2(Simultaneous)	16.48	18.10
37901	38099	QPSK	1	99	1	0	1	0	DSI 2(Simultaneous)	16.52	18.10
38150	37952	QPSK	1	0	1	99	1	0	DSI 2(Simultaneous)	16.50	18.10
37850	38048	QPSK	1	99	1	0	1	0	DSI 3(Standalone)	19.00	20.60
37901	38099	QPSK	1	99	1	0	1	0	DSI 3(Standalone)	19.04	20.60
38150	37952	QPSK	1	0	1	99	1	0	DSI 3(Standalone)	19.01	20.60
37850	38048	QPSK	1	99	1	0	1	0	DSI 3(Simultaneous)	16.75	18.40
37901	38099	QPSK	1	99	1	0	1	0	DSI 3(Simultaneous)	16.83	18.40
38150	37952	QPSK	1	0	1	99	1	0	DSI 3(Simultaneous)	16.80	18.40
37850	38048	QPSK	1	99	1	0	1	0	DSI 6(Standalone)	22.13	23.00
37901	38099	QPSK	1	99	1	0	1	0	DSI 6(Standalone)	22.16	23.00
38150	37952	QPSK	1	0	1	99	1	0	DSI 6(Standalone)	22.15	23.00
37850	38048	QPSK	1	99	1	0	1	0	DSI 6(Simultaneous)	22.13	23.00
37901	38099	QPSK	1	99	1	0	1	0	DSI 6(Simultaneous)	22.16	23.00
38150	37952	QPSK	1	0	1	99	1	0	DSI 6(Simultaneous)	22.15	23.00

CA_41C Ant 0											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	99	1	0	1	0	Default Power	23.52	24.00
40185	40383	QPSK	1	99	1	0	1	0	Default Power	23.39	24.00
40620	40818	QPSK	1	99	1	0	1	0	Default Power	23.49	24.00
41055	41253	QPSK	1	99	1	0	1	0	Default Power	23.66	24.00
41490	41292	QPSK	1	0	1	99	1	0	Default Power	23.07	24.00
39750	39948	QPSK	1	99	1	0	1	0	DSI 2(Standalone)	23.35	24.00
40185	40383	QPSK	1	99	1	0	1	0	DSI 2(Standalone)	23.39	24.00
40620	40818	QPSK	1	99	1	0	1	0	DSI 2(Standalone)	23.49	24.00
41055	41253	QPSK	1	99	1	0	1	0	DSI 2(Standalone)	23.42	24.00
41490	41292	QPSK	1	0	1	99	1	0	DSI 2(Standalone)	23.07	24.00
39750	39948	QPSK	1	99	1	0	1	0	DSI 2(Simultaneous)	23.35	24.00
40185	40383	QPSK	1	99	1	0	1	0	DSI 2(Simultaneous)	23.39	24.00
40620	40818	QPSK	1	99	1	0	1	0	DSI 2(Simultaneous)	23.49	24.00
41055	41253	QPSK	1	99	1	0	1	0	DSI 2(Simultaneous)	23.42	24.00
41490	41292	QPSK	1	0	1	99	1	0	DSI 2(Simultaneous)	23.07	24.00
39750	39948	QPSK	1	99	1	0	1	0	DSI 3(Standalone)	20.05	21.40
40185	40383	QPSK	1	99	1	0	1	0	DSI 3(Standalone)	19.89	21.40
40620	40818	QPSK	1	99	1	0	1	0	DSI 3(Standalone)	20.52	21.40
41055	41253	QPSK	1	99	1	0	1	0	DSI 3(Standalone)	20.21	21.40
41490	41292	QPSK	1	0	1	99	1	0	DSI 3(Standalone)	20.20	21.40
39750	39948	QPSK	1	99	1	0	1	0	DSI 3(Simultaneous)	16.56	17.90
40185	40383	QPSK	1	99	1	0	1	0	DSI 3(Simultaneous)	16.38	17.90
40620	40818	QPSK	1	99	1	0	1	0	DSI 3(Simultaneous)	16.85	17.90
41055	41253	QPSK	1	99	1	0	1	0	DSI 3(Simultaneous)	16.70	17.90
41490	41292	QPSK	1	0	1	99	1	0	DSI 3(Simultaneous)	16.68	17.90
39750	39948	QPSK	1	99	1	0	1	0	DSI 6(Standalone)	22.40	23.50
40185	40383	QPSK	1	99	1	0	1	0	DSI 6(Standalone)	22.02	23.50
40620	40818	QPSK	1	99	1	0	1	0	DSI 6(Standalone)	22.28	23.50
41055	41253	QPSK	1	99	1	0	1	0	DSI 6(Standalone)	22.34	23.50
41490	41292	QPSK	1	0	1	99	1	0	DSI 6(Standalone)	22.33	23.50
39750	39948	QPSK	1	99	1	0	1	0	DSI 6(Simultaneous)	22.40	23.50
40185	40383	QPSK	1	99	1	0	1	0	DSI 6(Simultaneous)	22.02	23.50
40620	40818	QPSK	1	99	1	0	1	0	DSI 6(Simultaneous)	22.28	23.50
41055	41253	QPSK	1	99	1	0	1	0	DSI 6(Simultaneous)	22.34	23.50
41490	41292	QPSK	1	0	1	99	1	0	DSI 6(Simultaneous)	22.33	23.50



Full Power																
2CC																
Configure		CA Configuration (BCS)	PCC						SCC				Power			
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	
Inter-Band		CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	22.98	23.05	
		CA_5A-41A	Band 5	10M	836.5	20525	QPSK	1	0	Band 41	20M	2593	40620	22.36	22.56	
		CA_7A-26A	Band 7	20M	2535	21100	QPSK	1	0	Band 26	15M	876.5	8865	22.75	23.06	
		CA_26A-41A	Band 26	15M	831.5	26865	QPSK	1	0	Band 41	20M	2593	40620	22.32	22.58	
		CA_26A-66A	Band 26	15M	831.5	26865	QPSK	1	0	Band 66	20M	2155	66886	22.34	22.58	
		CA_38A-66A	Band 38	20M	2595	38000	QPSK	1	0	Band 66	20M	2155	66886	22.95	23.20	
		CA_7A-42A	Band 7	20M	2535	21100	QPSK	1	0	Band 42	20M	3500	42590	22.83	23.06	
		CA_41A-42A	Band 41	20M	2593	40620	QPSK	1	0	Band 42	20M	3500	42590	23.02	23.21	
		CA_42C	Band 42	20M	3500	42590	QPSK	1	0	Band 42	20M	3519.8	42788	23.00	23.18	
Intra-Band	Contiguous	CA_2C	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.80	1098	22.83	23.02	
		CA_7B	Band 7	15M	2535	21100	QPSK	1	0	Band 7	5M	2664.30	3193	22.92	23.06	
		CA_38C	Band 38	15M	2595	38000	QPSK	1	0	Band 38	15M	2580.00	38150	23.18	23.20	

3CC																			
Configure		CA Configuration (BCS)	PCC							SCC1				SCC2				Power	
			LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	With CA TxPower (dBm)	W/O CA TxPower (dBm)
Inter-Band		CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	22.83	23.02
		CA_2A-4A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	22.86	23.02
		CA_2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	22.82	23.02
		CA_2A-7C	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	22.91	23.02
		CA_2A-7A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	22.82	23.02
		CA_2A-7A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 66	20M	2145	66786	22.85	23.02
		CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	22.76	23.02
		CA_4A-7C	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	22.78	23.05
		CA_5A-7C	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	22.41	22.56
		CA_5A-7A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 66	20M	2155	66886	22.53	22.56
		CA_5A-66A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	22.44	22.56
		CA_7A-66A-66A	Band 7	20M	2535	21100	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	22.83	23.06
Intra-Band	Non-Contiguous	CA_41A-41A-41A	Band 41	20M	2593	40620	QPSK	1	0	Band 41	5M	2502.5	39715	Band 41	20M	2680	41490	22.92	23.21

4CC																								
Configure		CA Configuration (BCS)	PCC								SCC1				SCC2				SCC3				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx-Power (dBm)	W/O CA Tx-Power (dBm)	
Intra-Band	Non-Contiguous	CA_41C-41C	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 41	20M	2660.2	41292	Band 41	20M	2680	41490	22.93	23.21	
		CA_41A-41D	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2634.4	41034	Band 41	20M	2660.2	41292	Band 41	20M	2680	41490	22.95	23.21	
		CA_41A-41A-41C	Band 41	20M	2593	40620	QPSK	1	0	Band 41	5M	2687.5	41565	Band 41	20M	2655.1	41241	Band 41	20M	2674.9	41439	23.01	23.21	
	Contiguous	CA_41E	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 41	20M	2638.6	41076	Band 41	20M	2658.4	41274	23.06	23.21	

Full power&Default power

n2_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	24.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.08	23.29	23.12	24.0	0.0
20	PI/2 BPSK	1	53	23.06	23.17	23.03		
20	PI/2 BPSK	1	104	23.05	23.13	22.93		
20	PI/2 BPSK	50	0	22.81	22.68	22.54	23.5	0.5
20	PI/2 BPSK	50	28	23.09	23.16	23.02	24.0	0.0
20	PI/2 BPSK	50	56	22.59	22.66	22.49	23.5	0.5
20	PI/2 BPSK	100	0	22.63	22.66	22.53		
20	QPSK	1	1	23.09	23.16	23.02		
20	QPSK	1	53	23.07	23.20	22.87	24.0	0.0
20	QPSK	1	104	23.11	23.13	22.88		
20	QPSK	50	0	22.12	22.17	22.04		
20	QPSK	50	28	23.07	23.17	23.05	24.0	0.0
20	QPSK	50	56	22.03	22.13	21.89	23.0	1.0
20	QPSK	100	0	22.11	22.20	22.05		
20	16QAM	1	1	22.02	22.07	22.05	23.0	1.0
20	64QAM	1	1	20.57	20.55	20.13	21.5	2.5
20	256QAM	1	1	18.84	18.89	18.70	19.5	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5	24.0	0.0
15	PI/2 BPSK	1	1	23.25	23.28	23.02	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905	24.0	0.0
10	PI/2 BPSK	1	1	23.12	23.23	22.94	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5	24.0	0.0
5	PI/2 BPSK	1	1	23.16	23.26	23.01	24.0	0.0

n5_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166000	167500	168000	24.0	0.0
Frequency (MHz)				831	836.5	839		
20	PI/2 BPSK	1	1	23.11	23.19	23.02	24.0	0.0
20	PI/2 BPSK	1	53	22.97	22.87	22.91		
20	PI/2 BPSK	1	104	22.87	22.76	22.81		
20	PI/2 BPSK	50	0	22.52	22.48	22.45	23.5	0.5
20	PI/2 BPSK	50	28	22.93	22.94	22.91	24.0	0.0
20	PI/2 BPSK	50	56	22.36	22.35	22.32	23.5	0.5
20	PI/2 BPSK	100	0	22.47	22.46	22.46		
20	QPSK	1	1	22.89	23.03	22.91		
20	QPSK	1	53	22.77	22.92	22.77	24.0	0.0
20	QPSK	1	104	22.66	22.77	22.62		
20	QPSK	50	0	21.79	21.95	21.84		
20	QPSK	50	28	22.76	22.88	22.76	24.0	0.0
20	QPSK	50	56	21.68	21.84	21.78	23.0	1.0
20	QPSK	100	0	21.89	21.97	21.82		
20	16QAM	1	1	22.05	22.21	22.05	23.0	1.0
20	64QAM	1	1	20.18	20.23	20.17	21.5	2.5
20	256QAM	1	1	18.66	18.76	18.65	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0
15	PI/2 BPSK	1	1	23.07	23.18	23.01	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	24.0	0.0
10	PI/2 BPSK	1	1	23.04	22.89	22.96	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0
5	PI/2 BPSK	1	1	23.11	23.02	22.96	24.0	0.0

n7_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	23.43	23.49	23.24	24.0	0.0	
40	PI/2 BPSK	1	108	23.44	23.33	23.23			
40	PI/2 BPSK	1	214	23.35	23.29	23.12			
40	PI/2 BPSK	108	0	23.01	22.82	22.84	23.5	0.5	
40	PI/2 BPSK	108	54	23.12	23.13	23.11	24.0	0.0	
40	PI/2 BPSK	108	108	22.84	22.93	22.83	23.5	0.5	
40	PI/2 BPSK	216	0	22.85	22.89	22.88			
40	QPSK	1	1	23.39	23.46	23.37			
40	QPSK	1	108	23.05	23.14	22.98	24.0	0.0	
40	QPSK	1	214	23.21	23.31	23.19			
40	QPSK	108	0	22.30	22.36	22.22	23.0	1.0	
40	QPSK	108	54	23.00	23.07	22.97	24.0	0.0	
40	QPSK	108	108	22.25	22.41	22.32	23.0	1.0	
40	QPSK	216	0	22.22	22.38	22.22			
40	16QAM	1	1	22.28	22.39	22.31	23.0	1.0	
40	64QAM	1	1	20.57	20.66	20.61	21.5	2.5	
40	256QAM	1	1	19.25	19.38	19.32	19.5	4.5	
Channel				503000	507000	511000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2515	2535	2555			
30	PI/2 BPSK	1	1	23.48	23.38	23.25	24.0	0.0	
Channel				502500	507000	511500	Adjustment (IEM/AEAE)	MPR (db)	
Frequency (MHz)				2512.5	2535	2557.5			
25	PI/2 BPSK	1	1	23.36	23.26	23.28	24.0	0.0	
Channel				502000	507000	512000	Adjustment (IEM/AEAE)	MPR (db)	
Frequency (MHz)				2510	2535	2560	(IEM/AEAE)		
20	PI/2 BPSK	1	1	23.22	23.06	23.05	24.0	0.0	
Channel				501500	507000	512500	Tuneup (IEM/AEAE)	MPR (db)	
Frequency (MHz)				2507.5	2535	2562.5	(IEM/AEAE)		
15	PI/2 BPSK	1	1	23.16	23.12	22.97	24.0	0.0	
Channel				501000	507000	513000	Adjustment (IEM/AEAE)	MPR (db)	
Frequency (MHz)				2505	2535	2565	(IEM/AEAE)		
10	PI/2 BPSK	1	1	23.33	23.22	23.19	24.0	0.0	
Channel				500500	507000	513500	Tuneup (IEM/AEAE)	MPR (db)	
Frequency (MHz)				2502.5	2535	2567.5	(IEM/AEAE)		
5	PI/2 BPSK	1	1	23.37	23.14	23.07	24.0	0.0	

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	22.93	22.94	22.79	24.0	0.0	0.0
40	PI/2 BPSK	1	108	22.90	22.75	22.81			
40	PI/2 BPSK	1	214	22.89	22.81	22.73			
40	PI/2 BPSK	108	0	22.78	22.73	22.75	23.5	0.5	0.0
40	PI/2 BPSK	108	54	22.75	22.83	22.74	24.0	0.0	0.0
40	PI/2 BPSK	108	108	22.81	22.81	22.65	23.5	0.5	0.5
40	PI/2 BPSK	216	0	22.83	22.94	22.79			
40	QPSK	1	1	22.45	22.59	22.54			
40	QPSK	1	108	22.85	22.91	22.84	24.0	0.0	0.0
40	QPSK	1	214	22.84	22.91	22.76			
40	QPSK	108	0	21.51	21.63	21.57	23.0	1.0	1.0
40	QPSK	108	54	22.67	22.75	22.65	24.0	0.0	0.0
40	QPSK	108	108	22.26	22.40	22.30	23.0	1.0	1.0
40	QPSK	216	0	22.20	22.34	22.18			
40	16QAM	1	1	21.15	21.29	21.17	23.0	1.0	1.0
40	64QAM	1	1	20.02	20.12	20.03	21.5	2.5	2.5
40	256QAM	1	1	18.88	19.02	18.96	19.5	4.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2515	2535	2555			
30	PI/2 BPSK	1	1	22.92	22.80	22.88	24.0	0.0	0.0
Channel				502500	507000	511500	AP-tune-up (APM/APAP (dBm))		MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5			
25	PI/2 BPSK	1	1	22.92	22.87	22.85	24.0	0.0	0.0
Channel				502000	507000	512000	AP-tune-up (APM/APAP (dBm))		MPR (dB)
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	22.78	22.66	22.69	24.0	0.0	0.0
Channel				501500	507000	512500	AP-tune-up (APM/APAP (dBm))		MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	22.73	22.62	22.65	24.0	0.0	0.0
Channel				501000	507000	513000	AP-tune-up (APM/APAP (dBm))		MPR (dB)
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	22.86	22.81	22.69	24.0	0.0	0.0
Channel				500500	507000	513500	AP-tune-up (APM/APAP (dBm))		MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	22.84	22.83	22.75	24.0	0.0	0.0

n66_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	24.0	0.0
Frequency (MHz)				1720	1745	1760		
40	PI/2 BPSK	1	1	23.40	23.45	23.28		
40	PI/2 BPSK	1	108	23.31	23.39	23.24		
40	PI/2 BPSK	1	214	23.34	23.27	23.11	23.5	0.5
40	PI/2 BPSK	108	0	22.76	22.74	22.74		
40	PI/2 BPSK	108	54	23.22	23.23	23.19		
40	PI/2 BPSK	108	108	22.88	22.78	22.68		
40	PI/2 BPSK	216	0	22.77	22.81	22.70	24.0	0.0
40	QPSK	1	1	23.17	23.26	23.17		
40	QPSK	1	108	23.14	23.29	23.23		
40	QPSK	1	214	23.13	23.24	23.10		
40	QPSK	108	0	22.12	22.26	22.16	23.0	1.0
40	QPSK	108	54	23.11	23.21	23.15	24.0	0.0
40	QPSK	108	108	22.16	22.29	22.16	23.0	1.0
40	QPSK	216	0	22.17	22.25	22.17	23.0	1.0
40	16QAM	1	1	22.15	22.23	22.09	23.0	1.0
40	64QAM	1	1	20.44	20.49	20.36	21.5	2.5
40	256QAM	1	1	18.53	18.69	18.58	19.5	4.5
Channel				346000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	23.37	23.33	23.34	24.0	0.0
Channel				346000	349000	353000	Tune-up (APMAPI) (dB)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	23.45	23.29	23.16	24.0	0.0
Channel				343900	349000	354500	Tune-up (APMAPI) (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	23.38	23.36	23.19	24.0	0.0
Channel				343000	349000	355000	Tune-up (APMAPI) (dB)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	23.31	23.32	23.09	24.0	0.0
Channel				342500	349000	355500	Tune-up (APMAPI) (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	23.22	23.41	23.09	24.0	0.0

n38_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	24.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.17	23.29	23.17		
40	PI/2 BPSK	1	53	23.20	23.19	23.26		
40	PI/2 BPSK	1	104	23.21	23.15	23.19	23.5	0.5
40	PI/2 BPSK	50	0	22.66	22.66	22.71		
40	PI/2 BPSK	50	28	23.22	23.28	23.27		
40	PI/2 BPSK	50	56	22.76	22.78	22.75		
40	PI/2 BPSK	100	0	22.74	22.76	22.67	24.0	0.0
40	QPSK	1	1	23.01	23.11	22.98		
40	QPSK	1	53	23.06	23.17	23.04		
40	QPSK	1	104	23.26	23.12	23.16		
40	QPSK	50	0	22.04	22.17	22.03	24.0	0.0
40	QPSK	50	28	23.08	23.16	23.07		
40	QPSK	50	56	22.17	22.25	22.09		
40	QPSK	100	0	22.05	22.17	22.02		
40	16QAM	1	1	22.22	22.29	22.15	23.0	1.0
40	64QAM	1	1	20.13	20.23	20.17	21.5	2.5
40	256QAM	1	1	18.90	19.01	18.89	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI/2 BPSK	1	1	23.18	23.13	23.18	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	23.16	23.16	23.03	24.0	0.0

n78(Part 27Q)_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000		633332	24.0	0.0
Frequency (MHz)				3495		3499.98		
100	PI/2 BPSK	1	1	23.12				
100	PI/2 BPSK	1	137	23.31				
100	PI/2 BPSK	1	271	23.23			23.5	0.5
100	PI/2 BPSK	135	0	23.21				
100	PI/2 BPSK	135	69	23.25				
100	PI/2 BPSK	135	138	23.17				
100	PI/2 BPSK	270	0	23.27			24.0	0.0
100	QPSK	1	1	23.35				
100	QPSK	1	137	23.35				
100	QPSK	1	271	23.33				
100	QPSK	135	0	23.27			24.0	0.0
100	QPSK	135	69	23.28				
100	QPSK	135	138	23.11				
100	QPSK	270	0	21.75				
100	16QAM	1	1	21.91			23.0	1.0
100	64QAM	1	1	21.19			21.5	2.5
100	256QAM	1	1	19.34			19.5	4.5
Channel				633000		633332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495		3504.99		
90	PI/2 BPSK	1	1	23.28	23.30	23.34	24.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3499.98	3510		
80	PI/2 BPSK	1	1	23.35	23.31	23.26	24.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	23.36	23.36	23.28	24.0	0.0
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	23.27	23.27	23.29	24.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	23.33	23.28	23.32	24.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	23.30	23.36	23.28	24.0	0.0
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	23.27	23.28	23.33	24.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	23.27	23.28	23.26	24.0	0.0

n78(Part 27Q) HPUE_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	25.17				
100	PI/2 BPSK	1	137	26.11			27.0	0.0
100	PI/2 BPSK	1	271	26.02				
100	PI/2 BPSK	135	0	25.05			26.5	0.5
100	PI/2 BPSK	135	69	26.03			27.0	0.0
100	PI/2 BPSK	135	138	24.94			26.5	0.5
100	PI/2 BPSK	270	0	25.07				
100	QPSK	1	1	25.52				
100	QPSK	1	137	26.10			27.0	0.0
100	QPSK	1	271	26.08				
100	QPSK	135	0	25.21				
100	QPSK	135	69	26.06			27.0	0.0
100	QPSK	135	138	25.23				
100	QPSK	270	0	24.51			26.0	1.0
100	16QAM	1	1	24.57			26.0	1.0
100	64QAM	1	1	22.93			24.5	2.5
100	256QAM	1	1	21.17			22.5	4.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	26.04	26.04	26.08	27.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	26.09	26.07	26.09	27.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	26.11	26.11	26.02	27.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	26.05	26.03	26.09	27.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	26.11	26.08	26.10	27.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	26.07	26.03	26.06	27.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	26.05	26.04	26.10	27.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	26.04	26.03	26.01	27.0	0.0

n78(Part 27Q)_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332			
Frequency (MHz)				3495	3499.98			
100	PI/2 BPSK	1	1	23.10				
100	PI/2 BPSK	1	137	22.99			24.0	0.0
100	PI/2 BPSK	1	271	23.02				
100	PI/2 BPSK	135	0	23.05			23.5	0.5
100	PI/2 BPSK	135	69	23.06			24.0	0.0
100	PI/2 BPSK	135	138	23.01			23.5	0.5
100	PI/2 BPSK	270	0	23.05				
100	QPSK	1	1	22.93				
100	QPSK	1	137	23.03			24.0	0.0
100	QPSK	1	271	23.01				
100	QPSK	135	0	22.97				
100	QPSK	135	69	22.96			24.0	0.0
100	QPSK	135	138	22.95				
100	QPSK	270	0	22.99			23.0	1.0
100	16QAM	1	1	22.59			23.0	1.0
100	64QAM	1	1	21.48			21.5	2.5
100	256QAM	1	1	19.41			19.5	4.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	22.91	23.04	22.97	24.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	22.96	22.98	22.96	24.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	23.03	22.95	22.92	24.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	23.01	23.03	22.91	24.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	23.00	22.90	22.95	24.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	23.07	23.00	22.94	24.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	23.01	22.97	22.89	24.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	23.00	22.92	22.92	24.0	0.0

n78(Part 27Q) HPUE_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1		26.05		27.0	0.0
100	PI/2 BPSK	1	137		25.90			
100	PI/2 BPSK	1	271		26.98			
100	PI/2 BPSK	135	0		24.90		26.5	0.5
100	PI/2 BPSK	135	69		26.01		27.0	0.0
100	PI/2 BPSK	135	138		24.88		26.5	0.5
100	PI/2 BPSK	270	0		24.90			
100	QPSK	1	1		25.86		27.0	0.0
100	QPSK	1	137		25.94			
100	QPSK	1	271		26.90		27.0	0.0
100	QPSK	135	0		25.21			
100	QPSK	135	69		25.95			
100	QPSK	135	138		25.23		26.0	1.0
100	QPSK	270	0		24.40			
100	16QAM	1	1		24.03		26.0	1.0
100	64QAM	1	1		22.70		24.5	2.5
100	256QAM	1	1		20.88		22.5	4.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	26.03	25.89	25.90	27.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	25.97	25.91	25.89	27.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	25.95	25.93	25.87	27.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	26.02	25.84	25.90	27.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	25.98	25.88	25.94	27.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	26.00	25.90	25.87	27.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	26.01	25.87	25.93	27.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	26.00	25.91	25.84	27.0	0.0

n78(Part 27Q)_Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1		23.08		24.0	0.0
100	PI/2 BPSK	1	137		23.03			
100	PI/2 BPSK	1	271		23.00			
100	PI/2 BPSK	135	0		22.99		23.5	0.5
100	PI/2 BPSK	135	69		23.03		24.0	0.0
100	PI/2 BPSK	135	138		23.02		23.5	0.5
100	PI/2 BPSK	270	0		22.96			
100	QPSK	1	1		22.98		24.0	0.0
100	QPSK	1	137		22.98			
100	QPSK	1	271		22.62		24.0	0.0
100	QPSK	135	0		22.57			
100	QPSK	135	69		22.56			
100	QPSK	135	138		22.58		23.0	1.0
100	QPSK	270	0		22.60			
100	16QAM	1	1		22.18		23.0	1.0
100	64QAM	1	1		21.35		21.5	2.5
100	256QAM	1	1		19.94		19.5	4.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	22.60	23.01	22.68	24.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	22.60	22.94	22.60	24.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	22.55	22.99	22.61	24.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	22.55	22.98	22.61	24.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	22.49	22.97	22.63	24.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	22.61	23.02	22.62	24.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	22.57	22.91	22.67	24.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	22.57	22.93	22.65	24.0	0.0

n78(Part 27Q) HPUE_Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			27.0	0.0
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	25.81				
100	PI/2 BPSK	1	137	25.78				
100	PI/2 BPSK	1	271	25.71				
100	PI/2 BPSK	135	0	24.84			26.5	0.5
100	PI/2 BPSK	135	69	25.74			27.0	0.0
100	PI/2 BPSK	135	138	24.80			26.5	0.5
100	PI/2 BPSK	270	0	24.83				
100	QPSK	1	1	25.54			27.0	0.0
100	QPSK	1	137	25.38				
100	QPSK	1	271	25.50				
100	QPSK	135	0	25.21				
100	QPSK	135	69	25.42			27.0	0.0
100	QPSK	135	138	25.32				
100	QPSK	270	0	24.27			26.0	1.0
100	16QAM	1	1	24.01			26.0	1.0
100	64QAM	1	1	22.52			24.5	2.5
100	256QAM	1	1	20.59			22.5	4.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	25.21	25.67	25.34	27.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3492.02	3499.98	3510		
80	PI/2 BPSK	1	1	25.26	25.63	25.35	27.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	25.27	25.61	25.33	27.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	25.29	25.60	25.31	27.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	25.30	25.62	25.34	27.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	25.28	25.67	25.40	27.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	25.27	25.62	25.37	27.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	25.27	25.73	25.30	27.0	0.0

n78(Part 27Q)_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332		24.0	0.0
Frequency (MHz)				3495	3499.98			
100	PI/2 BPSK	1	1	22.65				
100	PI/2 BPSK	1	137	22.40				
100	PI/2 BPSK	1	271	22.32				
100	PI/2 BPSK	135	0	22.18			23.5	0.5
100	PI/2 BPSK	135	69	22.37			24.0	0.0
100	PI/2 BPSK	135	138	22.06			23.5	0.5
100	PI/2 BPSK	270	0	21.98				
100	QPSK	1	1	22.02			24.0	0.0
100	QPSK	1	137	22.05				
100	QPSK	1	271	22.06				
100	QPSK	135	0	22.03				
100	QPSK	135	69	22.08			24.0	0.0
100	QPSK	135	138	22.06				
100	QPSK	270	0	21.15			23.0	1.0
100	16QAM	1	1	21.12			23.0	1.0
100	64QAM	1	1	19.98			21.5	2.5
100	256QAM	1	1	18.38			19.5	4.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	22.58	22.62	22.53	24.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	22.50	22.55	22.46	24.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	22.49	22.50	22.47	24.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	22.45	22.53	22.43	24.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	22.46	22.52	22.40	24.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	22.52	22.54	22.39	24.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	22.51	22.50	22.40	24.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	22.46	22.54	22.42	24.0	0.0



n78(Part 27Q) HPUE_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			25.0	0.0
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	23.32				
100	PI/2 BPSK	1	137	23.31				
100	PI/2 BPSK	1	271	23.21			24.5	0.5
100	PI/2 BPSK	135	0	22.91				
100	PI/2 BPSK	135	69	23.28				
100	PI/2 BPSK	135	138	22.96				
100	PI/2 BPSK	270	0	22.88			25.0	0.5
100	QPSK	1	1	23.01				
100	QPSK	1	137	23.05				
100	QPSK	1	271	23.08				
100	QPSK	135	0	23.08			25.0	0.0
100	QPSK	135	69	23.06				
100	QPSK	135	138	23.05				
100	QPSK	270	0	22.12				
100	16QAM	1	1	22.01			24.0	1.0
100	64QAM	1	1	20.98			22.5	2.5
100	256QAM	1	1	20.16			20.5	4.5
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	23.23	23.28	23.21	25.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3499.98	3510		
80	PI/2 BPSK	1	1	23.10	23.23	23.11	25.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	23.14	23.18	23.16	25.0	0.0
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	23.14	23.17	23.05	25.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	23.09	23.22	23.10	25.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	23.11	23.23	23.05	25.0	0.0
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	23.17	23.12	23.09	25.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	23.11	23.16	23.07	25.0	0.0



Reduced Power DSI2-Standalone

n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	24.0	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	23.08	23.29	23.12			
20	PI/2 BPSK	1	53	23.06	23.17	23.03			
20	PI/2 BPSK	1	104	23.05	23.13	22.93	23.5	0.5	
20	PI/2 BPSK	50	0	22.61	22.68	22.54			
20	PI/2 BPSK	50	28	23.09	23.16	23.02			
20	PI/2 BPSK	50	56	22.59	22.66	22.49			
20	PI/2 BPSK	100	0	22.63	22.68	22.53	23.5	0.5	
20	QPSK	1	1	23.09	23.16	23.02			
20	QPSK	1	53	23.07	23.20	22.87			
20	QPSK	1	104	23.11	23.13	22.88			
20	QPSK	50	0	22.12	22.17	22.04	24.0	0.0	
20	QPSK	50	28	23.07	23.17	23.05			
20	QPSK	50	56	22.03	22.13	21.89			
20	QPSK	100	0	22.11	22.20	22.05			
20	16QAM	1	1	22.02	22.07	22.05	23.0	1.0	
20	64QAM	1	1	20.57	20.55	20.13			
20	256QAM	1	1	18.84	18.89	18.70			
Channel				371500	376000	380500			
Frequency (MHz)				1867.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)	
15	PI/2 BPSK	1	1	23.25	23.28	23.02	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	24.0	0.0	
10	PI/2 BPSK	1	1	23.12	23.23	22.94			
Channel				372500	376000	381500			
Frequency (MHz)				1862.5	1880	1907.5			
5	PI/2 BPSK	1	1	23.16	23.26	23.01	24.0	0.0	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.11	23.19	23.02			
20	PI/2 BPSK	1	53	22.97	22.87	22.91			
20	PI/2 BPSK	1	104	22.87	22.76	22.81	23.5	0.5	
20	PI/2 BPSK	50	0	22.52	22.48	22.45			
20	PI/2 BPSK	50	28	22.93	22.94	22.91			
20	PI/2 BPSK	50	56	22.36	22.35	22.32			
20	PI/2 BPSK	100	0	22.47	22.48	22.46	23.5	0.5	
20	QPSK	1	1	22.89	23.03	22.91			
20	QPSK	1	53	22.77	22.92	22.77			
20	QPSK	1	104	22.66	22.77	22.62			
20	QPSK	50	0	21.79	21.95	21.84	24.0	1.0	
20	QPSK	50	28	22.76	22.88	22.76			
20	QPSK	50	56	21.68	21.84	21.78			
20	QPSK	100	0	21.89	21.97	21.82			
20	16QAM	1	1	22.05	22.21	22.05	23.0	1.0	
20	64QAM	1	1	20.18	20.23	20.17			
20	256QAM	1	1	18.66	18.76	18.65			
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5	Tune-up limit (dBm)	MPR (dB)	
15	PI/2 BPSK	1	1	23.07	23.18	23.01	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.0	0.0	
10	PI/2 BPSK	1	1	23.04	22.89	22.96			
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	PI/2 BPSK	1	1	23.11	23.02	22.96	24.0	0.0	

n7_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	23.43	23.49	23.24	24.0	0.0	
40	PI/2 BPSK	1	108	23.44	23.33	23.23			
40	PI/2 BPSK	1	214	23.35	23.29	23.12			
40	PI/2 BPSK	108	0	23.01	22.82	22.84	23.5	0.5	
40	PI/2 BPSK	108	54	23.12	23.13	23.11	24.0	0.0	
40	PI/2 BPSK	108	108	22.84	22.93	22.83	23.5	0.5	
40	PI/2 BPSK	216	0	22.85	22.89	22.88			
40	QPSK	1	1	23.39	23.46	23.37			
40	QPSK	1	108	23.05	23.14	22.98	24.0	0.0	
40	QPSK	1	214	23.21	23.31	23.19			
40	QPSK	108	0	22.30	22.36	22.22			
40	QPSK	108	54	23.00	23.07	22.97	24.0	0.0	
40	QPSK	108	108	22.25	22.41	22.32	23.0	1.0	
40	QPSK	216	0	22.22	22.38	22.22			
40	16QAM	1	1	22.28	22.39	22.31			
40	64QAM	1	1	20.57	20.66	20.61	21.5	2.5	
40	256QAM	1	1	19.25	19.38	19.32	19.5	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	PI/2 BPSK	1	1	23.48	23.38	23.25	24.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	PI/2 BPSK	1	1	23.36	23.26	23.28	24.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.22	23.06	23.05	24.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	23.16	23.12	22.97	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2555			
10	PI/2 BPSK	1	1	23.33	23.22	23.19	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	23.37	23.14	23.07	24.0	0.0	

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	18.26	18.31	18.15	19.5	0.0	
40	PI/2 BPSK	1	108	18.20	18.25	18.22			
40	PI/2 BPSK	1	214	18.15	18.19	18.26			
40	PI/2 BPSK	108	0	17.88	18.10	18.08	19.5	0.0	
40	PI/2 BPSK	108	54	18.23	18.30	18.14	19.5	0.0	
40	PI/2 BPSK	108	108	17.80	18.06	18.05	19.5	0.0	
40	PI/2 BPSK	216	0	18.20	18.28	18.12	19.5	0.0	
40	QPSK	1	1	17.88	18.13	17.89			
40	QPSK	1	108	17.84	18.12	18.12			
40	QPSK	1	214	18.09	18.14	17.91	19.5	1.0	
40	QPSK	108	0	17.82	18.09	18.15			
40	QPSK	108	54	18.06	18.06	18.00			
40	QPSK	108	108	18.21	18.13	18.11	18.5	1.0	
40	QPSK	216	0	17.93	18.07	18.03	19.5	0.0	
40	16QAM	1	1	18.11	18.29	18.28			
40	64QAM	1	1	18.06	18.06	17.82			
40	256QAM	1	1	18.30	18.28	18.03	19.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	PI/2 BPSK	1	1	18.24	18.21	17.93	19.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	PI/2 BPSK	1	1	18.10	18.23	18.03	19.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	18.22	18.15	18.14	19.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	18.14	18.06	18.03	19.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2555			
10	PI/2 BPSK	1	1	18.03	18.28	18.23	19.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	18.29	18.11	18.18	19.5	0.0	



n66_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.40	23.48	23.28	24.0	0.0
40	PI/2 BPSK	1	108	23.31	23.39	23.24		
40	PI/2 BPSK	1	214	23.34	23.27	23.11		
40	PI/2 BPSK	108	0	22.76	22.74	22.74	23.5	0.5
40	PI/2 BPSK	108	54	23.22	23.23	23.19	24.0	0.0
40	PI/2 BPSK	108	108	22.88	22.78	22.89	23.5	0.5
40	PI/2 BPSK	216	0	22.77	22.81	22.70		
40	QPSK	1	1	23.17	23.26	23.17		
40	QPSK	1	108	23.14	23.29	23.23	24.0	0.0
40	QPSK	1	214	23.13	23.24	23.10	23.0	1.0
40	QPSK	108	0	22.12	22.26	22.16		
40	QPSK	108	54	23.11	23.21	23.15		
40	QPSK	108	108	22.16	22.29	22.16	23.0	1.0
40	QPSK	216	0	22.17	22.25	22.17		
40	16QAM	1	1	22.15	22.23	22.09	23.0	1.0
40	64QAM	1	1	20.44	20.49	20.36	21.5	2.5
40	256QAM	1	1	18.53	18.69	18.58	19.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	23.37	23.33	23.34	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	23.45	23.29	23.16	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	23.38	23.36	23.19	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	23.31	23.32	23.09	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	23.22	23.41	23.09	24.0	0.0

n38_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	24.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.17	23.29	23.17			
40	PI/2 BPSK	1	53	23.20	23.19	23.26	23.5	0.5	
40	PI/2 BPSK	1	104	23.21	23.15	23.19			
40	PI/2 BPSK	50	0	22.66	22.66	22.71			
40	PI/2 BPSK	50	28	23.22	23.28	23.27	23.5	0.5	
40	PI/2 BPSK	50	56	22.76	22.78	22.75			
40	PI/2 BPSK	100	0	22.74	22.76	22.67			
40	QPSK	1	1	23.01	23.11	22.98	24.0	0.0	
40	QPSK	1	53	23.06	23.17	23.04			
40	QPSK	1	104	23.26	23.12	23.16			
40	QPSK	50	0	22.04	22.17	22.03	24.0	0.0	
40	QPSK	50	28	23.08	23.16	23.07			
40	QPSK	50	56	22.17	22.25	22.09			
40	QPSK	100	0	22.05	22.17	22.02	23.0	1.0	
40	16QAM	1	1	22.22	22.29	22.15			
40	64QAM	1	1	20.13	20.23	20.17		2.5	
40	256QAM	1	1	18.90	19.01	18.89	19.5	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99			
30	PI/2 BPSK	1	1	23.18	23.13	23.18	24.0	0.0	
Channel				516000	519000	522000	24.0	0.0	
Frequency (MHz)				2580	2595	2610			
20	PI/2 BPSK	1	1	23.16	23.16	23.03			

n78(Part 27Q)_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			19.5	0.0	
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1	18.72	18.65	18.69			
100	PI/2 BPSK	1	137	18.65	18.65	18.69	19.5	0.0	
100	PI/2 BPSK	1	271	18.65	18.65	18.69			
100	PI/2 BPSK	135	0	18.66	18.66	18.69			
100	PI/2 BPSK	135	69	18.70	18.70	18.69	19.5	0.0	
100	PI/2 BPSK	135	138	18.65	18.65	18.69			
100	PI/2 BPSK	270	0	18.69	18.69	18.69			
100	QPSK	1	1	18.57	18.57	18.57	19.5	0.0	
100	QPSK	1	137	18.70	18.70	18.59			
100	QPSK	1	271	18.59	18.59	18.66			
100	QPSK	135	0	18.66	18.66	18.70	19.5	0.0	
100	QPSK	135	69	18.70	18.70	18.66			
100	QPSK	135	138	18.66	18.66	18.62			
100	QPSK	270	0	18.62	18.62	18.64	19.5	0.0	
100	16QAM	1	1	18.64	18.64	18.54			
100	64QAM	1	1	18.54	18.54	18.71		19.5	
100	256QAM	1	1	18.71	18.71	3495			
Channel				633000	633332	633666	19.5	0.0	
Frequency (MHz)				3495	3499.98	3504.99			
90	PI/2 BPSK	1	1	18.70	18.66	18.62		19.5	
Channel				632668	633332	634000	19.5	0.0	
Frequency (MHz)				3490.02	3499.98	3510			
80	PI/2 BPSK	1	1	18.51	18.69	18.65		19.5	
Channel				632334	633332	634332	19.5	0.0	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	PI/2 BPSK	1	1	18.60	18.58	18.48		19.5	
Channel				632000	633332	634666	19.5	0.0	
Frequency (MHz)				3480	3499.98	3519.99			
60	PI/2 BPSK	1	1	18.45	18.63	18.60		19.5	
Channel				631668	633332	635000	19.5	0.0	
Frequency (MHz)				3475.02	3499.98	3525			
50	PI/2 BPSK	1	1	18.65	18.71	18.56		19.5	
Channel				631334	633332	635332	19.5	0.0	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	PI/2 BPSK	1	1	18.63	18.66	18.58		19.5	
Channel				631000	633332	635666	19.5	0.0	
Frequency (MHz)				3465	3499.98	3534.99			
30	PI/2 BPSK	1	1	18.50	18.60	18.64		19.5	
Channel				630668	633332	636000	19.5	0.0	
Frequency (MHz)				3460.02	3499.98	3540			
20	PI/2 BPSK	1	1	18.53	18.63	18.57		19.5	
Channel				630334	633332	636332	19.5	0.0	
Frequency (MHz)				3455	3499.98	3539.98			

n78(Part 27Q) HPUE_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	18.72				
100	PI/2 BPSK	1	137	18.65			19.5	0.0
100	PI/2 BPSK	1	271	18.69				
100	PI/2 BPSK	135	0	18.66			19.5	0.0
100	PI/2 BPSK	135	69	18.70			19.5	0.0
100	PI/2 BPSK	135	138	18.65			19.5	0.0
100	PI/2 BPSK	270	0	18.69				
100	QPSK	1	1	18.57				
100	QPSK	1	137	18.70			19.5	0.0
100	QPSK	1	271	18.59				
100	QPSK	135	0	18.66				
100	QPSK	135	69	18.70			19.5	0.0
100	QPSK	135	138	18.66				
100	QPSK	270	0	18.62			19.5	0.0
100	16QAM	1	1	18.64			19.5	0.0
100	64QAM	1	1	18.54			19.5	0.0
100	256QAM	1	1	18.71			19.5	0.0
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	PI/2 BPSK	1	1	18.70	18.66	18.62	19.5	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	PI/2 BPSK	1	1	18.51	18.69	18.65	19.5	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	PI/2 BPSK	1	1	18.60	18.58	18.48	19.5	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3518.99	(dBm)	(dB)
60	PI/2 BPSK	1	1	18.45	18.63	18.60	19.5	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	PI/2 BPSK	1	1	18.65	18.71	18.56	19.5	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	PI/2 BPSK	1	1	18.63	18.66	18.58	19.5	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	PI/2 BPSK	1	1	18.50	18.60	18.64	19.5	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	PI/2 BPSK	1	1	18.53	18.63	18.57	19.5	0.0

n78(Part 27Q)_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	18.62				
100	PI/2 BPSK	1	137	18.56			19.5	0.0
100	PI/2 BPSK	1	271	18.60				
100	PI/2 BPSK	135	0	18.49			19.5	0.0
100	PI/2 BPSK	135	69	18.59			19.5	0.0
100	PI/2 BPSK	135	138	18.56			19.5	0.0
100	PI/2 BPSK	270	0	18.57				
100	QPSK	1	1	18.56				
100	QPSK	1	137	18.59			19.5	0.0
100	QPSK	1	271	18.58				
100	QPSK	135	0	18.46				
100	QPSK	135	69	18.41			19.5	0.0
100	QPSK	135	138	18.47				
100	QPSK	270	0	18.59			19.5	0.0
100	16QAM	1	1	18.55			19.5	0.0
100	64QAM	1	1	18.45			19.5	0.0
100	256QAM	1	1	18.58			19.5	0.0
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	PI/2 BPSK	1	1	18.31	18.37	18.53	19.5	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3480.02	3499.98	3510	(dBm)	(dB)
80	PI/2 BPSK	1	1	18.09	18.61	18.30	19.5	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	PI/2 BPSK	1	1	18.17	18.49	18.47	19.5	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3518.99	(dBm)	(dB)
60	PI/2 BPSK	1	1	18.07	18.41	18.43	19.5	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	PI/2 BPSK	1	1	18.09	18.40	18.38	19.5	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	PI/2 BPSK	1	1	18.14	18.37	18.57	19.5	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	PI/2 BPSK	1	1	18.37	18.47	18.32	19.5	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	PI/2 BPSK	1	1	18.19	18.59	18.43	19.5	0.0

n78(Part 27Q) HPUE_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			19.5	0.0
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	18.62			19.5	0.0
100	PI/2 BPSK	1	137	18.56				
100	PI/2 BPSK	1	271	18.60			19.5	0.0
100	PI/2 BPSK	135	0	18.49				
100	PI/2 BPSK	135	69	18.59			19.5	0.0
100	PI/2 BPSK	135	138	18.56				
100	PI/2 BPSK	270	0	18.57			19.5	0.0
100	QPSK	1	1	18.56				
100	QPSK	1	137	18.59			19.5	0.0
100	QPSK	1	271	18.58				
100	QPSK	135	0	18.46			19.5	0.0
100	QPSK	135	69	18.41				
100	QPSK	135	138	18.47			19.5	0.0
100	QPSK	270	0	18.50				
100	16QAM	1	1	18.55			19.5	0.0
100	64QAM	1	1	18.45				
100	256QAM	1	1	18.58			19.5	0.0
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	PI/2 BPSK	1	1	18.31	18.37	18.53	19.5	0.0
Channel				632666	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	PI/2 BPSK	1	1	18.09	18.61	18.30	19.5	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	PI/2 BPSK	1	1	18.17	18.49	18.47	19.5	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3518.99	(dBm)	(dB)
60	PI/2 BPSK	1	1	18.07	18.41	18.43	19.5	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	PI/2 BPSK	1	1	18.09	18.40	18.38	19.5	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	PI/2 BPSK	1	1	18.14	18.37	18.37	19.5	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	PI/2 BPSK	1	1	18.37	18.47	18.32	19.5	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	PI/2 BPSK	1	1	18.19	18.59	18.43	19.5	0.0

n78(Part 27Q)_Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332		19.0	0.0
Frequency (MHz)				3495	3499.98			
100	PI/2 BPSK	1	1	18.15			19.0	0.0
100	PI/2 BPSK	1	137	18.09				
100	PI/2 BPSK	1	271	18.13			19.0	0.0
100	PI/2 BPSK	135	0	18.12				
100	PI/2 BPSK	135	69	18.13			19.0	0.0
100	PI/2 BPSK	135	138	18.01				
100	PI/2 BPSK	270	0	18.12			19.0	0.0
100	QPSK	1	1	18.02				
100	QPSK	1	137	18.10			19.0	0.0
100	QPSK	1	271	18.08				
100	QPSK	135	0	17.99			19.0	0.0
100	QPSK	135	69	18.00				
100	QPSK	135	138	17.98			19.0	0.0
100	QPSK	270	0	17.94				
100	16QAM	1	1	17.97			19.0	0.0
100	64QAM	1	1	17.91			19.0	0.0
100	256QAM	1	1	18.08			19.0	0.0
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	PI/2 BPSK	1	1	17.68	17.97	17.78	19.0	0.0
Channel				632666	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	PI/2 BPSK	1	1	17.86	18.13	18.11	19.0	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	PI/2 BPSK	1	1	17.56	18.02	18.06	19.0	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3518.99	(dBm)	(dB)
60	PI/2 BPSK	1	1	17.89	17.89	17.88	19.0	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	PI/2 BPSK	1	1	17.66	18.00	17.86	19.0	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	PI/2 BPSK	1	1	17.87	17.83	17.89	19.0	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	PI/2 BPSK	1	1	17.80	18.10	17.78	19.0	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	PI/2 BPSK	1	1	17.85	17.99	18.00	19.0	0.0

n78(Part 27Q) HPUE_Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633332			19.0	0.0
Frequency (MHz)				3499.98	18.15			
100	PI/2 BPSK	1	1		18.09		19.0	0.0
100	PI/2 BPSK	1	137		18.13			
100	PI/2 BPSK	1	271		18.12		19.0	0.0
100	PI/2 BPSK	135	0		18.13			
100	PI/2 BPSK	135	69		18.01		19.0	0.0
100	PI/2 BPSK	135	138		18.12			
100	QPSK	1	1		18.02		19.0	0.0
100	QPSK	1	137		18.10			
100	QPSK	1	271		18.08		19.0	0.0
100	QPSK	135	0		17.99			
100	QPSK	135	69		18.00		19.0	0.0
100	QPSK	135	138		17.98			
100	QPSK	270	0		17.94		19.0	0.0
100	16QAM	1	1		17.97		19.0	0.0
100	64QAM	1	1		17.91		19.0	0.0
100	256QAM	1	1		18.08		19.0	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	17.68	17.97	17.78	19.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	17.98	18.13	18.11	19.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	17.56	18.02	18.06	19.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	17.68	17.86	17.88	19.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	17.66	18.00	17.86	19.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	17.87	17.83	17.89	19.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.98		
30	PI/2 BPSK	1	1	17.80	18.10	17.78	19.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	17.85	17.99	18.00	19.0	0.0

n78(Part 27Q)_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel					633332		24.0	0.0
Frequency (MHz)					3499.98	22.55		
100	PI/2 BPSK	1	1		22.40		24.0	0.0
100	PI/2 BPSK	1	137		22.32			
100	PI/2 BPSK	1	271		22.18		24.0	0.0
100	PI/2 BPSK	135	0		22.37			
100	PI/2 BPSK	135	69		22.06		24.0	0.5
100	PI/2 BPSK	135	138		21.98			
100	QPSK	1	1		22.02		24.0	0.0
100	QPSK	1	137		22.05			
100	QPSK	1	271		22.06		24.0	0.0
100	QPSK	135	0		22.03			
100	QPSK	135	69		22.08		24.0	0.0
100	QPSK	135	138		22.06			
100	QPSK	270	0		21.15		23.0	1.0
100	16QAM	1	1		21.12		23.0	1.0
100	64QAM	1	1		19.98		21.5	2.5
100	256QAM	1	1		18.38		19.5	4.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	22.58	22.62	22.53	24.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	22.50	22.55	22.46	24.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	22.49	22.50	22.47	24.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	22.45	22.53	22.43	24.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	22.46	22.52	22.40	24.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	22.52	22.54	22.39	24.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.98		
30	PI/2 BPSK	1	1	22.51	22.50	22.40	24.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	22.46	22.54	22.42	24.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			25.0	0.0
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	23.32				
100	PI/2 BPSK	1	137	23.31				
100	PI/2 BPSK	1	271	23.21			24.5	0.5
100	PI/2 BPSK	135	0	22.91				
100	PI/2 BPSK	135	69	23.28				
100	PI/2 BPSK	135	138	22.96				
100	PI/2 BPSK	270	0	22.88			25.0	0.5
100	QPSK	1	1	23.01				
100	QPSK	1	137	23.05				
100	QPSK	1	271	23.08				
100	QPSK	135	0	23.08			25.0	0.0
100	QPSK	135	69	23.06				
100	QPSK	135	138	23.05				
100	QPSK	270	0	22.12				
100	16QAM	1	1	22.01			24.0	1.0
100	64QAM	1	1	20.98			22.5	2.5
100	256QAM	1	1	20.16			20.5	4.5
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	PI/2 BPSK	1	1	23.23	23.28	23.21	25.0	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3480.02	3499.98	3510	(dBm)	(dB)
80	PI/2 BPSK	1	1	23.10	23.23	23.11	25.0	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	PI/2 BPSK	1	1	23.14	23.18	23.16	25.0	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	PI/2 BPSK	1	1	23.14	23.17	23.05	25.0	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	PI/2 BPSK	1	1	23.09	23.22	23.10	25.0	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	PI/2 BPSK	1	1	23.11	23.23	23.05	25.0	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	PI/2 BPSK	1	1	23.17	23.12	23.09	25.0	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	PI/2 BPSK	1	1	23.11	23.16	23.07	25.0	0.0

Reduced Power DS12-Simultaneous

n2_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	MPR (dB)
Frequency (MHz)				1850	1850	1900	
20	PI/2 BPSK	1	1	23.08	23.29	23.12	24.0
20	PI/2 BPSK	1	53	23.06	23.17	23.03	
20	PI/2 BPSK	1	104	23.05	23.13	22.93	0.5
20	PI/2 BPSK	50	0	22.61	22.68	22.54	
20	PI/2 BPSK	50	28	23.09	23.16	23.02	24.0
20	PI/2 BPSK	50	56	22.96	22.66	22.49	
20	PI/2 BPSK	100	0	22.63	22.68	22.53	23.5
20	QPSK	1	1	23.09	23.16	23.02	
20	QPSK	1	53	23.07	23.20	22.87	24.0
20	QPSK	1	104	23.11	23.13	22.88	
20	QPSK	50	0	22.12	22.17	22.04	23.0
20	QPSK	50	28	23.07	23.17	23.05	
20	QPSK	50	56	22.03	22.13	21.89	23.0
20	QPSK	100	0	22.11	22.20	22.05	
20	16QAM	1	1	22.02	22.07	22.05	23.0
20	64QAM	1	1	20.57	20.55	20.13	
20	256QAM	1	1	18.84	18.89	18.70	19.5
Channel				371900	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1850	1902.5	MPR (dB)
15	PI/2 BPSK	1	1	23.25	23.26	23.02	24.0
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	MPR (dB)
10	PI/2 BPSK	1	1	23.12	23.23	22.94	24.0
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	MPR (dB)
5	PI/2 BPSK	1	1	23.16	23.26	23.01	24.0

n5_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				165500	167300	167600	MPR (dB)
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.11	23.19	23.02	24.0
20	PI/2 BPSK	1	53	22.97	22.87	22.91	
20	PI/2 BPSK	1	104	22.87	22.76	22.81	23.5
20	PI/2 BPSK	50	0	22.52	22.48	22.45	
20	PI/2 BPSK	50	28	22.93	22.94	22.91	24.0
20	PI/2 BPSK	50	56	22.36	22.35	22.32	
20	PI/2 BPSK	100	0	22.47	22.48	22.46	23.5
20	QPSK	1	1	22.89	23.03	22.91	
20	QPSK	1	53	22.77	22.82	22.77	24.0
20	QPSK	1	104	22.66	22.77	22.62	
20	QPSK	50	0	21.79	21.95	21.84	23.0
20	QPSK	50	28	22.76	22.88	22.76	
20	QPSK	50	56	21.68	21.84	21.78	23.0
20	QPSK	100	0	21.89	21.97	21.82	
20	16QAM	1	1	22.05	22.21	22.05	23.0
20	64QAM	1	1	20.18	20.23	20.17	
20	256QAM	1	1	18.66	18.76	18.65	19.5
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	MPR (dB)
15	PI/2 BPSK	1	1	23.07	23.18	23.01	24.0
Channel				165900	167300	168900	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	MPR (dB)
10	PI/2 BPSK	1	1	23.04	22.89	22.96	24.0
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	MPR (dB)
5	PI/2 BPSK	1	1	23.11	23.02	22.96	24.0

n7_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	23.43	23.49	23.24	24.0	0.0
40	PI/2 BPSK	1	108	23.44	23.33	23.23		
40	PI/2 BPSK	1	214	23.35	23.29	23.12		
40	PI/2 BPSK	108	0	23.01	22.82	22.84	23.5	0.5
40	PI/2 BPSK	108	54	23.12	23.13	23.11	24.0	0.0
40	PI/2 BPSK	108	108	22.84	22.93	22.83	23.5	0.5
40	PI/2 BPSK	216	0	22.85	22.89	22.88		
40	QPSK	1	1	23.39	23.46	23.37	24.0	0.0
40	QPSK	1	108	23.05	23.14	22.98		
40	QPSK	1	214	23.21	23.31	23.19		
40	QPSK	108	0	22.30	22.36	22.22	23.0	1.0
40	QPSK	108	54	23.00	23.07	22.97	24.0	0.0
40	QPSK	108	108	22.25	22.41	22.32	23.0	1.0
40	QPSK	216	0	22.22	22.38	22.22		
40	16QAM	1	1	22.28	22.39	22.31	23.0	1.0
40	64QAM	1	1	20.57	20.66	20.61	21.5	2.5
40	256QAM	1	1	19.25	19.38	19.32	19.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2565		
30	PI/2 BPSK	1	1	23.48	23.38	23.25	24.0	0.0
Channel				502000	507000	511500	AC tune-up IAEm/AEAE (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	PI/2 BPSK	1	1	23.36	23.26	23.28	24.0	0.0
Channel				502000	507000	512000	AC tune-up IAEm/AEAE (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.22	23.06	23.05	24.0	0.0
Channel				501500	507000	512500	AC tune-up IAEm/AE1 (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	PI/2 BPSK	1	1	23.16	23.12	22.97	24.0	0.0
Channel				501000	507000	513000	tune-up IAEm/AE1 (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	PI/2 BPSK	1	1	23.33	23.22	23.19	24.0	0.0
Channel				500500	507000	513500	tune-up IAEm/AE1 (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	PI/2 BPSK	1	1	23.37	23.14	23.07	24.0	0.0

n7_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	15.94	16.10	15.90	17.0	0.0
40	PI/2 BPSK	1	108	15.90	15.92	15.85		
40	PI/2 BPSK	1	214	15.59	15.87	15.84		
40	PI/2 BPSK	108	0	15.84	15.84	15.87	17.0	0.0
40	PI/2 BPSK	108	54	15.91	15.95	15.88	17.0	0.0
40	PI/2 BPSK	108	108	15.60	15.88	15.94	17.0	0.0
40	PI/2 BPSK	216	0	15.90	15.93	15.85		
40	QPSK	1	1	15.73	15.90	15.75	17.0	0.0
40	QPSK	1	108	15.94	15.87	15.63		
40	QPSK	1	214	15.68	15.84	15.70		
40	QPSK	108	0	15.83	15.85	15.86	16.0	1.0
40	QPSK	108	54	15.61	15.86	15.64	17.0	0.0
40	QPSK	108	108	15.83	15.84	15.94	16.0	1.0
40	QPSK	216	0	15.94	15.91	15.91		
40	16QAM	1	1	15.72	15.90	15.72	17.0	0.0
40	64QAM	1	1	15.55	15.69	15.87	17.0	0.0
40	256QAM	1	1	15.92	15.95	15.49	17.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2565		
30	PI/2 BPSK	1	1	15.75	15.80	15.81	17.0	0.0
Channel				502500	507000	511500	AC tune-up IAEm/APAP (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	PI/2 BPSK	1	1	15.78	15.94	15.70	17.0	0.0
Channel				502000	507000	512000	AC tune-up IAEm/APAP (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	15.77	15.83	15.72	17.0	0.0
Channel				501500	507000	512500	tune-up IAEm/AP1 (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	PI/2 BPSK	1	1	15.91	15.69	15.70	17.0	0.0
Channel				501000	507000	513000	tune-up IAEm/AP1 (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	PI/2 BPSK	1	1	15.71	15.77	15.71	17.0	0.0
Channel				500500	507000	513500	tune-up IAEm/AP1 (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	PI/2 BPSK	1	1	15.88	15.84	15.81	17.0	0.0



n66_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.40	23.48	23.28		
40	PI/2 BPSK	1	108	23.31	23.39	23.24	24.0	0.0
40	PI/2 BPSK	1	214	23.34	23.27	23.11	23.5	0.5
40	PI/2 BPSK	108	0	22.76	22.74	22.74		
40	PI/2 BPSK	108	64	23.22	23.23	23.19		
40	PI/2 BPSK	108	108	22.86	22.78	22.89	23.0	0.0
40	PI/2 BPSK	216	0	22.77	22.81	22.70	23.5	0.5
40	QPSK	1	1	23.17	23.26	23.17	24.0	0.0
40	QPSK	1	108	23.14	23.29	23.23		
40	QPSK	1	214	23.13	23.24	23.10		
40	QPSK	108	0	22.12	22.26	22.16	23.0	1.0
40	QPSK	108	64	23.11	23.21	23.15	24.0	0.0
40	QPSK	108	108	22.16	22.29	22.16	23.0	1.0
40	QPSK	216	0	22.17	22.25	22.17		
40	16QAM	1	1	20.44	20.23	22.09		
40	64QAM	1	1	21.25	22.49	20.36	21.5	2.5
40	256QAM	1	1	18.53	18.69	18.58	19.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	23.37	23.33	23.34		
Channel				344000	348000	354000	Tune-up (APM)API (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	23.45	23.29	23.16		
Channel				343500	349000	354500	Tune-up (APM)API (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	23.38	23.36	23.19		
Channel				343000	349000	355000	Tune-up (APM)API (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	23.31	23.32	23.09		
Channel				342500	349000	355500	Tune-up (APM)API (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	23.22	23.41	23.09		

n38_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	24.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.17	23.29	23.17		
40	PI/2 BPSK	1	53	23.20	23.19	23.26		
40	PI/2 BPSK	1	104	23.21	23.15	23.19	23.5	0.5
40	PI/2 BPSK	50	0	22.66	22.66	22.71		
40	PI/2 BPSK	50	28	23.22	23.28	23.27		
40	PI/2 BPSK	50	56	22.76	22.78	22.75		
40	PI/2 BPSK	100	0	22.74	22.76	22.67	24.0	0.0
40	QPSK	1	1	23.01	23.11	22.98		
40	QPSK	1	53	23.06	23.17	23.04		
40	QPSK	1	104	23.26	23.12	23.16		
40	QPSK	50	0	22.04	22.17	22.03	24.0	0.0
40	QPSK	50	28	23.08	23.16	23.07		
40	QPSK	50	56	22.17	22.25	22.09		
40	QPSK	100	0	22.05	22.17	22.02		
40	16QAM	1	1	22.22	22.29	22.15	23.0	1.0
40	64QAM	1	1	20.13	20.23	20.17	21.5	2.5
40	256QAM	1	1	18.90	19.01	18.89	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI/2 BPSK	1	1	23.18	23.13	23.18	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	23.16	23.16	23.03	24.0	0.0

n78(Part 27Q)_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000		633332	17.0	0.0
Frequency (MHz)				3495		3499.98		
100	PI/2 BPSK	1	1	16.24				
100	PI/2 BPSK	1	137	16.23				
100	PI/2 BPSK	1	271	16.16			17.0	0.0
100	PI/2 BPSK	135	0	16.21				
100	PI/2 BPSK	135	69	16.22				
100	PI/2 BPSK	135	138	16.17				
100	PI/2 BPSK	270	0	16.20			17.0	0.0
100	QPSK	1	1	16.18				
100	QPSK	1	137	16.12				
100	QPSK	1	271	16.04				
100	QPSK	135	0	16.13			17.0	0.0
100	QPSK	135	69	16.09				
100	QPSK	135	138	16.10				
100	QPSK	270	0	16.05				
100	16QAM	1	1	16.08			17.0	0.0
100	64QAM	1	1	16.07			17.0	0.0
100	256QAM	1	1	16.16			17.0	0.0
Channel				633000		633332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495		3499.98		
90	PI/2 BPSK	1	1	16.05	16.05	16.12	17.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3499.98	3510		
80	PI/2 BPSK	1	1	16.09	16.20	16.20	17.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	16.04	16.15	16.13	17.0	0.0
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	16.05	16.17	16.01	17.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	16.13	16.17	16.01	17.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	16.06	16.14	15.96	17.0	0.0
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	16.03	16.01	16.08	17.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	16.08	16.07	16.16	17.0	0.0

n78(Part 27Q) HPUE_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	16.21				
100	PI/2 BPSK	1	137	16.23			17.0	0.0
100	PI/2 BPSK	1	271	16.16				
100	PI/2 BPSK	135	0	16.21			17.0	0.0
100	PI/2 BPSK	135	69	16.22			17.0	0.0
100	PI/2 BPSK	135	138	16.17			17.0	0.0
100	PI/2 BPSK	270	0	16.20				
100	QPSK	1	1	16.16				
100	QPSK	1	137	16.12			17.0	0.0
100	QPSK	1	271	16.04				
100	QPSK	135	0	16.13				
100	QPSK	135	69	16.09			17.0	0.0
100	QPSK	135	138	16.10				
100	QPSK	270	0	16.05			17.0	0.0
100	16QAM	1	1	16.06			17.0	0.0
100	64QAM	1	1	16.07			17.0	0.0
100	256QAM	1	1	16.16			17.0	0.0
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	PI/2 BPSK	1	1	16.05	16.05	16.12	17.0	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	PI/2 BPSK	1	1	16.09	16.20	16.20	17.0	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	PI/2 BPSK	1	1	16.04	16.15	16.13	17.0	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	PI/2 BPSK	1	1	16.05	16.17	16.01	17.0	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	PI/2 BPSK	1	1	16.13	16.17	16.01	17.0	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	PI/2 BPSK	1	1	16.06	16.14	15.96	17.0	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	PI/2 BPSK	1	1	16.03	16.01	16.08	17.0	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	PI/2 BPSK	1	1	16.08	16.07	16.16	17.0	0.0

n78(Part 27Q)_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	16.02				
100	PI/2 BPSK	1	137	15.97			17.0	0.0
100	PI/2 BPSK	1	271	15.96				
100	PI/2 BPSK	135	0	15.80			17.0	0.0
100	PI/2 BPSK	135	69	16.00			17.0	0.0
100	PI/2 BPSK	135	138	15.93			17.0	0.0
100	PI/2 BPSK	270	0	15.98				
100	QPSK	1	1	15.80				
100	QPSK	1	137	15.94			17.0	0.0
100	QPSK	1	271	15.89				
100	QPSK	135	0	15.85				
100	QPSK	135	69	15.83			17.0	0.0
100	QPSK	135	138	15.88				
100	QPSK	270	0	15.97			17.0	0.0
100	16QAM	1	1	15.71			17.0	0.0
100	64QAM	1	1	15.61			17.0	0.0
100	256QAM	1	1	15.78			17.0	0.0
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	PI/2 BPSK	1	1	15.95	15.96	15.97	17.0	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	PI/2 BPSK	1	1	16.00	15.92	15.84	17.0	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	PI/2 BPSK	1	1	15.92	15.89	16.01	17.0	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3519.99	(dBm)	(dB)
60	PI/2 BPSK	1	1	15.90	15.88	15.93	17.0	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	PI/2 BPSK	1	1	15.96	15.96	15.99	17.0	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	PI/2 BPSK	1	1	16.00	15.87	15.88	17.0	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	PI/2 BPSK	1	1	15.97	15.82	15.90	17.0	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	PI/2 BPSK	1	1	15.87	15.87	15.82	17.0	0.0

n78(Part 27Q) HPUE_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	15.92				
100	PI/2 BPSK	1	137	15.97			17.0	0.0
100	PI/2 BPSK	1	271	15.96				
100	PI/2 BPSK	135	0	15.80			17.0	0.0
100	PI/2 BPSK	135	69	15.00			17.0	0.0
100	PI/2 BPSK	135	138	15.93			17.0	0.0
100	PI/2 BPSK	270	0	15.98				
100	QPSK	1	1	15.80				
100	QPSK	1	137	15.84			17.0	0.0
100	QPSK	1	271	15.89				
100	QPSK	135	0	15.85				
100	QPSK	135	69	15.83			17.0	0.0
100	QPSK	135	138	15.88				
100	QPSK	270	0	15.97			17.0	0.0
100	16QAM	1	1	15.71			17.0	0.0
100	64QAM	1	1	15.61			17.0	0.0
100	256QAM	1	1	15.78			17.0	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	15.95	15.96	15.97	17.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	16.00	15.92	15.84	17.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	15.92	15.89	16.01	17.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	15.90	15.83	15.93	17.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	15.96	15.96	15.99	17.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	16.00	15.87	15.88	17.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	15.97	15.82	15.90	17.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	15.87	15.87	15.82	17.0	0.0

n78(Part 27Q)_Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	15.56				
100	PI/2 BPSK	1	137	15.54			16.5	0.0
100	PI/2 BPSK	1	271	15.53				
100	PI/2 BPSK	135	0	15.45			16.5	0.0
100	PI/2 BPSK	135	69	15.54			16.5	0.0
100	PI/2 BPSK	135	138	15.41			16.5	0.0
100	PI/2 BPSK	270	0	15.52				
100	QPSK	1	1	15.40				
100	QPSK	1	137	15.48			16.5	0.0
100	QPSK	1	271	15.52				
100	QPSK	135	0	15.41				
100	QPSK	135	69	15.47			16.5	0.0
100	QPSK	135	138	15.49				
100	QPSK	270	0	15.42			16.5	0.0
100	16QAM	1	1	15.38			16.5	0.0
100	64QAM	1	1	15.35			16.5	0.0
100	256QAM	1	1	15.52			16.5	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	15.23	15.32	15.38	16.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	15.47	15.54	15.17	16.5	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	15.39	15.50	15.41	16.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	15.47	15.38	15.17	16.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	15.31	15.34	15.34	16.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	15.43	15.50	15.19	16.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	15.25	15.29	15.28	16.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	15.51	15.45	15.41	16.5	0.0

n78(Part 27Q) HPUE_Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			3499.98	
Frequency (MHz)				15.56				
100	PI/2 BPSK	1	1	15.56	15.54		16.5	0.0
100	PI/2 BPSK	1	137	15.53	15.54			
100	PI/2 BPSK	1	271	15.53	15.45			
100	PI/2 BPSK	135	0	15.45	15.45		16.5	0.0
100	PI/2 BPSK	135	69	15.54	15.54		16.5	0.0
100	PI/2 BPSK	135	138	15.41	15.41		16.5	0.0
100	PI/2 BPSK	270	0	15.52	15.52			
100	QPSK	1	1	15.40	15.49			
100	QPSK	1	137	15.49	15.49		16.5	0.0
100	QPSK	1	271	15.52	15.52			
100	QPSK	135	0	15.41	15.41			
100	QPSK	135	69	15.47	15.47		16.5	0.0
100	QPSK	135	138	15.49	15.49			
100	QPSK	270	0	15.42	15.42			
100	16QAM	1	1	15.38	15.38		16.5	0.0
100	64QAM	1	1	15.35	15.35		16.5	0.0
100	256QAM	1	1	15.52	15.52		16.5	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	15.23	15.32	15.38	16.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	15.47	15.54	15.17	16.5	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	15.39	15.50	15.41	16.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	15.47	15.38	15.17	16.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	15.31	15.34	15.34	16.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	15.43	15.50	15.19	16.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	15.25	15.29	15.28	16.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	15.51	15.45	15.41	16.5	0.0

n78(Part 27Q)_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			3499.98	
Frequency (MHz)				22.65				
100	PI/2 BPSK	1	1		22.65		24.0	0.0
100	PI/2 BPSK	1	137		22.40			
100	PI/2 BPSK	1	271		22.32			
100	PI/2 BPSK	135	0		22.18		23.5	0.5
100	PI/2 BPSK	135	69		22.37		24.0	0.0
100	PI/2 BPSK	135	138		22.06		23.5	0.5
100	PI/2 BPSK	270	0		21.98			
100	QPSK	1	1		22.02			
100	QPSK	1	137		22.05		24.0	0.0
100	QPSK	1	271		22.06			
100	QPSK	135	0		22.03			
100	QPSK	135	69		22.08		24.0	0.0
100	QPSK	135	138		22.06			
100	QPSK	270	0		21.15			
100	16QAM	1	1		21.12		23.0	1.0
100	64QAM	1	1		19.88		21.5	2.5
100	256QAM	1	1		18.38		19.5	4.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	22.58	22.62	22.53	24.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	22.50	22.55	22.46	24.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	22.49	22.50	22.47	24.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	22.45	22.53	22.43	24.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	22.45	22.52	22.40	24.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	22.52	22.54	22.59	24.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	22.51	22.50	22.40	24.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	22.46	22.54	22.42	24.0	0.0



n78(Part 27Q) HPUE_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			25.0	0.0
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	23.32				
100	PI/2 BPSK	1	137	23.31				
100	PI/2 BPSK	1	271	23.21			24.5	0.5
100	PI/2 BPSK	135	0	22.91				
100	PI/2 BPSK	135	69	23.28				
100	PI/2 BPSK	135	138	22.96				
100	PI/2 BPSK	270	0	22.88			25.0	0.0
100	QPSK	1	1	23.01				
100	QPSK	1	137	23.05				
100	QPSK	1	271	23.08				
100	QPSK	135	0	23.08			25.0	0.0
100	QPSK	135	69	23.06				
100	QPSK	135	138	23.05				
100	QPSK	270	0	22.12				
100	16QAM	1	1	22.01			24.0	1.0
100	64QAM	1	1	20.98			22.5	2.5
100	256QAM	1	1	20.16			20.5	4.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	23.23	23.28	23.21	25.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3499.98	3510		
80	PI/2 BPSK	1	1	23.10	23.23	23.11	25.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	23.14	23.18	23.16	25.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	23.14	23.17	23.05	25.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	23.09	23.22	23.10	25.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	23.11	23.23	23.05	25.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	23.17	23.12	23.09	25.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	23.11	23.16	23.07	25.0	0.0



Reduced Power DSI3-Standalone

n2_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				372000	376000	380000	19.5	0.0			
Frequency (MHz)				1860	1880	1900					
20	PI/2 BPSK	1	1	18.58	18.75	18.64	19.5	0.0			
20	PI/2 BPSK	1	53	18.53	18.66	18.50					
20	PI/2 BPSK	1	104	18.51	18.68	18.48	19.5	0.0			
20	PI/2 BPSK	50	0	18.48	18.62	18.52					
20	PI/2 BPSK	50	28	18.55	18.73	18.62	19.5	0.0			
20	PI/2 BPSK	50	56	18.41	18.63	18.53					
20	PI/2 BPSK	100	0	18.53	18.72	18.59	19.5	0.0			
20	QPSK	1	1	18.40	18.65	18.50					
20	QPSK	1	53	18.53	18.67	18.55	19.5	0.0			
20	QPSK	1	104	18.49	18.60	18.39					
20	QPSK	50	0	18.45	18.70	18.60	19.5	0.0			
20	QPSK	50	28	18.51	18.62	18.42					
20	QPSK	50	56	18.37	18.58	18.37	19.5	0.0			
20	QPSK	100	0	18.45	18.66	18.39					
20	16QAM	1	1	18.59	18.69	18.40	19.5	0.0			
20	64QAM	1	1	18.29	18.44	18.31					
20	256QAM	1	1	18.33	18.55	18.45	19.5	0.0			
Channel				371500	376000	380500					
Frequency (MHz)				1857.5	1880	1902.5					
15	PI/2 BPSK	1	1	18.44	18.59	18.55	19.5			0.0	
Channel				371000	376000	381000					
Frequency (MHz)				1855	1880	1905					
10	PI/2 BPSK	1	1	18.40	18.64	18.50	19.5			0.0	
Channel				370500	376000	381500					
Frequency (MHz)				1852.5	1880	1907.5					
5	PI/2 BPSK	1	1	18.49	18.60	18.54	19.5			0.0	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.11	23.19	23.02	24.0	0.0	
20	PI/2 BPSK	1	53	22.97	22.87	22.91			
20	PI/2 BPSK	1	104	22.87	22.76	22.81			
20	PI/2 BPSK	50	0	22.52	22.48	22.45	23.5	0.5	
20	PI/2 BPSK	50	28	22.93	22.94	22.91			
20	PI/2 BPSK	50	56	22.36	22.35	22.32			
20	PI/2 BPSK	100	0	22.47	22.48	22.46	23.5	0.5	
20	QPSK	1	1	22.89	23.03	22.91			
20	QPSK	1	53	22.77	22.92	22.77			
20	QPSK	1	104	22.66	22.77	22.62	24.0	0.0	
20	QPSK	50	0	21.79	21.95	21.84			
20	QPSK	50	28	22.76	22.78	22.76			
20	QPSK	50	56	21.68	21.84	21.78	23.0	1.0	
20	QPSK	100	0	21.89	21.97	21.82			
20	16QAM	1	1	22.05	22.21	22.05			
20	64QAM	1	1	20.18	20.23	20.17	21.5	2.5	
20	256QAM	1	1	18.66	18.76	18.65			
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0	
15	PI/2 BPSK	1	1	23.07	23.18	23.01			
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844	24.0	0.0	
10	PI/2 BPSK	1	1	23.04	22.89	22.96			
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0	
5	PI/2 BPSK	1	1	23.11	23.02	22.96			

n7_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	17.95	18.03	17.83	19.0	0.0	
40	PI/2 BPSK	1	108	17.87	17.89	17.84			
40	PI/2 BPSK	1	214	17.66	17.85	17.77	19.0	0.0	
40	PI/2 BPSK	108	0	17.82	17.87	17.57			
40	PI/2 BPSK	108	54	17.92	18.00	17.80	19.0	0.0	
40	PI/2 BPSK	108	108	17.75	17.99	17.65			
40	PI/2 BPSK	216	0	17.88	17.98	17.75	19.0	0.0	
40	QPSK	1	1	17.74	17.84	17.65			
40	QPSK	1	108	17.87	17.89	17.76	19.0	0.0	
40	QPSK	1	214	17.67	17.85	17.69			
40	QPSK	108	0	17.55	17.73	17.66	19.0	0.0	
40	QPSK	108	54	17.59	17.68	17.57			
40	QPSK	108	108	17.72	17.75	17.59	19.0	0.0	
40	QPSK	216	0	17.62	17.66	17.58			
40	16QAM	1	1	17.84	17.95	17.92	19.0	0.0	
40	64QAM	1	1	17.46	17.64	17.54			
40	256QAM	1	1	17.82	17.83	17.75	19.0	0.0	
Channel				503000	507000	510000			
Frequency (MHz)				2515	2535	2555			
30	PI/2 BPSK	1	1	17.84	17.97	17.83	19.0	0.0	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5			
25	PI/2 BPSK	1	1	17.86	17.95	17.74	19.0	0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	17.89	17.88	17.72	19.0	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	17.91	17.98	17.76	19.0	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	17.92	17.93	17.72	19.0	0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	17.76	18.01	17.64	19.0	0.0	

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	19.39	19.44	19.28	20.5	0.0	
40	PI/2 BPSK	1	108	19.33	19.27	19.27			
40	PI/2 BPSK	1	214	19.20	19.27	19.23			
40	PI/2 BPSK	108	0	19.16	19.14	19.22	20.5	0.0	
40	PI/2 BPSK	108	54	19.35	19.42	19.24	20.5	0.0	
40	PI/2 BPSK	108	108	19.14	19.12	19.16	20.5	0.0	
40	PI/2 BPSK	216	0	19.33	19.40	19.20	20.5	0.0	
40	QPSK	1	1	19.21	19.18	19.15	20.5	0.0	
40	QPSK	1	108	19.05	19.25	19.25			
40	QPSK	1	214	19.21	19.21	19.08			
40	QPSK	108	0	19.16	19.26	19.23	20.5	0.0	
40	QPSK	108	54	19.25	19.20	19.21	20.5	0.0	
40	QPSK	108	108	19.33	19.23	19.23	20.5	0.0	
40	QPSK	216	0	19.04	19.17	19.17	20.5	0.0	
40	16QAM	1	1	19.17	19.33	19.37	20.5	0.0	
40	64QAM	1	1	19.24	19.26	19.11	20.5	0.0	
40	256QAM	1	1	19.40	19.34	19.04	20.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	PI/2 BPSK	1	1	19.20	19.35	19.25	Adjust up (dBm)	MPR (dB)	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5			
25	PI/2 BPSK	1	1	19.31	19.31	19.28	20.5	0.0	
Channel				502000	507000	512000	Adjust up (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	19.33	19.28	19.27			
Channel				501500	507000	512500	Adjust up (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	19.31	19.24	19.25			
Channel				501000	507000	513000	Adjust up (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	19.35	19.29	19.22			
Channel				500500	507000	513500	Adjust up (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	19.35	19.33	19.16			



n66_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	19.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	18.46	18.60	18.50		
40	PI/2 BPSK	1	108	18.41	18.59	18.43	19.5	0.0
40	PI/2 BPSK	1	214	18.23	18.37	18.36		
40	PI/2 BPSK	108	0	18.42	18.42	18.33		
40	PI/2 BPSK	108	54	18.43	18.58	18.46	19.5	0.0
40	PI/2 BPSK	108	108	18.30	18.42	18.35		
40	PI/2 BPSK	216	0	18.40	18.56	18.43		
40	QPSK	1	1	18.32	18.44	18.25	19.5	0.0
40	QPSK	1	108	18.32	18.49	18.36		
40	QPSK	1	214	18.23	18.33	18.21		
40	QPSK	108	0	18.22	18.36	18.29	19.5	0.0
40	QPSK	108	54	18.29	18.47	18.38		
40	QPSK	108	108	18.40	18.46	18.45		
40	QPSK	216	0	18.32	18.36	18.26	19.5	0.0
40	16QAM	1	1	18.52	18.53	18.50		
40	64QAM	1	1	18.02	18.22	18.11		
40	256QAM	1	1	18.33	18.33	18.22	19.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	19.5	0.0
30	PI/2 BPSK	1	1	18.48	18.54	18.38		
Channel				344000	349000	354000	Tune-up (APmAPi (dBm))	MPR (dB)
Frequency (MHz)				1720	1745	1770	19.5	0.0
20	PI/2 BPSK	1	1	18.56	18.50	18.25		
Channel				343500	349000	354500	Tune-up (APmAPi (dBm))	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	19.5	0.0
15	PI/2 BPSK	1	1	18.59	18.55	18.32		
Channel				343000	349000	355000	Tune-up (APmAPi (dBm))	MPR (dB)
Frequency (MHz)				1715	1745	1775	19.5	0.0
10	PI/2 BPSK	1	1	18.59	18.58	18.43		
Channel				342500	349000	355500	Tune-up (APmAPi (dBm))	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	19.5	0.0
5	PI/2 BPSK	1	1	18.58	18.52	18.38		



n38_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	19.5	0.0
Frequency (MHz)				259.02	259.5	259.98		
40	PI/2 BPSK	1	1	18.61	18.76	18.64		
40	PI/2 BPSK	1	53	18.54	18.57	18.57		
40	PI/2 BPSK	1	104	18.50	18.67	18.57	19.5	0.0
40	PI/2 BPSK	50	0	18.42	18.54	18.38		
40	PI/2 BPSK	50	28	18.57	18.75	18.61		
40	PI/2 BPSK	50	56	18.47	18.50	18.41		
40	PI/2 BPSK	100	0	18.55	18.73	18.59	19.5	0.0
40	QPSK	1	1	18.44	18.55	18.54		
40	QPSK	1	53	18.56	18.58	18.45		
40	QPSK	1	104	18.69	18.69	18.63		
40	QPSK	50	0	18.49	18.51	18.47	19.5	0.0
40	QPSK	50	28	18.57	18.61	18.56		
40	QPSK	50	56	18.56	18.62	18.61		
40	QPSK	100	0	18.52	18.55	18.52		
40	16QAM	1	1	18.36	18.56	18.40	19.5	0.0
40	64QAM	1	1	18.17	18.36	18.20		
40	256QAM	1	1	18.17	18.23	18.11		
Channel				517002	519000	520998	19.5	0.0
Frequency (MHz)				2585.01	2595	2604.99		
30	PI/2 BPSK	1	1	18.42	18.61	18.59		
Channel				516000	519000	522000	19.5	0.0
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	18.43	18.58	18.55		

n78(Part 27Q)_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel						633332	21.0	0.0
Frequency (MHz)						3169.98		
100	PI/2 BPSK	1	1			20.27		
100	PI/2 BPSK	1	137			20.19		
100	PI/2 BPSK	1	271			20.25	21.0	0.0
100	PI/2 BPSK	135	0			20.17		
100	PI/2 BPSK	135	69			20.26		
100	PI/2 BPSK	135	138			20.24		
100	PI/2 BPSK	270	0			20.24	21.0	0.0
100	QPSK	1	1			20.20		
100	QPSK	1	137			20.26		
100	QPSK	1	271			20.23		
100	QPSK	135	0			20.17	21.0	0.0
100	QPSK	135	69			20.18		
100	QPSK	135	138			20.12		
100	QPSK	270	0			20.11		
100	16QAM	1	1			20.17	21.0	0.0
100	64QAM	1	1			20.02		
100	256QAM	1	1			19.30		
Channel				633000	633332	633666	19.5	1.5
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	20.19	20.13	20.12		
Channel				632668	633332	634000	21.0	0.0
Frequency (MHz)				3480.02	3499.98	3510		
80	PI/2 BPSK	1	1	20.14	20.20	20.25		
Channel				632334	633332	634332	21.0	0.0
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	20.11	20.18	20.15		
Channel				632000	633332	634666	21.0	0.0
Frequency (MHz)				3470	3499.98	3519.99		
60	PI/2 BPSK	1	1	20.18	20.18	20.24		
Channel				631668	633332	635000	21.0	0.0
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	20.13	20.14	20.26		
Channel				631334	633332	635332	21.0	0.0
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	20.16	20.20	20.22		
Channel				631000	633332	635666	21.0	0.0
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	20.25	20.21	20.11		
Channel				630668	633332	636000	21.0	0.0
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	20.21	20.19	20.23		

n78(Part 27Q) HPUE_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1	20.19	20.25		21.0	0.0	
100	PI/2 BPSK	1	137	20.19	20.25		21.0	0.0	
100	PI/2 BPSK	1	271	20.19	20.25		21.0	0.0	
100	PI/2 BPSK	135	0	20.17	20.24		21.0	0.0	
100	PI/2 BPSK	135	69	20.26	20.24		21.0	0.0	
100	PI/2 BPSK	135	138	20.24	20.24		21.0	0.0	
100	PI/2 BPSK	270	0	20.20	20.26		21.0	0.0	
100	QPSK	1	1	20.20	20.26		21.0	0.0	
100	QPSK	1	137	20.23	20.23		21.0	0.0	
100	QPSK	1	271	20.17	20.18		21.0	0.0	
100	QPSK	135	0	20.17	20.12		21.0	0.0	
100	QPSK	135	69	20.18	20.11		21.0	0.0	
100	QPSK	135	138	20.12	20.17		21.0	0.0	
100	QPSK	270	0	20.11	20.13		21.0	0.0	
100	16QAM	1	1	20.02	20.13		21.0	0.0	
100	64QAM	1	1	20.02	20.13		21.0	0.0	
100	256QAM	1	1	20.13	20.13		21.0	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	PI/2 BPSK	1	1	20.19	20.13	20.12	21.0	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	PI/2 BPSK	1	1	20.14	20.20	20.25	21.0	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	PI/2 BPSK	1	1	20.11	20.18	20.15	21.0	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	PI/2 BPSK	1	1	20.18	20.13	20.24	21.0	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	PI/2 BPSK	1	1	20.13	20.14	20.26	21.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	PI/2 BPSK	1	1	20.16	20.20	20.22	21.0	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	PI/2 BPSK	1	1	20.25	20.21	20.11	21.0	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	PI/2 BPSK	1	1	20.21	20.19	20.23	21.0	0.0	

n78(Part 27Q)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1	17.06	17.02		18.0	0.0	
100	PI/2 BPSK	1	137	17.02	17.02		18.0	0.0	
100	PI/2 BPSK	1	271	17.00	17.00		18.0	0.0	
100	PI/2 BPSK	135	0	16.84	16.84		18.0	0.0	
100	PI/2 BPSK	135	69	17.04	16.95		18.0	0.0	
100	PI/2 BPSK	135	138	16.84	16.84		18.0	0.0	
100	PI/2 BPSK	270	0	17.03	16.74		18.0	0.0	
100	QPSK	1	1	16.74	17.02		18.0	0.0	
100	QPSK	1	137	17.02	16.89		18.0	0.0	
100	QPSK	1	271	16.89	16.86		18.0	0.0	
100	QPSK	135	0	16.86	16.96		18.0	0.0	
100	QPSK	135	69	16.96	17.02		18.0	0.0	
100	QPSK	135	138	17.02	16.83		18.0	0.0	
100	QPSK	270	0	16.83	16.84		18.0	0.0	
100	16QAM	1	1	16.84	16.77		18.0	0.0	
100	64QAM	1	1	16.77	16.83		18.0	0.0	
100	256QAM	1	1	16.83	16.83		18.0	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	PI/2 BPSK	1	1	17.02	17.03	17.02	18.0	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	PI/2 BPSK	1	1	16.93	16.94	17.00	18.0	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	PI/2 BPSK	1	1	17.00	17.02	16.94	18.0	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	PI/2 BPSK	1	1	16.99	16.92	17.01	18.0	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	PI/2 BPSK	1	1	16.93	16.94	16.94	18.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	PI/2 BPSK	1	1	16.94	16.93	16.98	18.0	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	PI/2 BPSK	1	1	17.04	16.94	16.96	18.0	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	PI/2 BPSK	1	1	17.02	16.98	17.02	18.0	0.0	

n78(Part 27Q) HPUE_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	17.02				
100	PI/2 BPSK	1	137	17.02			18.0	0.0
100	PI/2 BPSK	1	271	17.00				
100	PI/2 BPSK	135	0	16.84			18.0	0.0
100	PI/2 BPSK	135	69	17.04			18.0	0.0
100	PI/2 BPSK	135	138	16.95			18.0	0.0
100	PI/2 BPSK	270	0	17.03				
100	QPSK	1	1	16.74				
100	QPSK	1	137	17.02			18.0	0.0
100	QPSK	1	271	16.89				
100	QPSK	135	0	16.86				
100	QPSK	135	69	16.96			18.0	0.0
100	QPSK	135	138	17.02				
100	QPSK	270	0	16.83			18.0	0.0
100	16QAM	1	1	16.84			18.0	0.0
100	64QAM	1	1	16.77			18.0	0.0
100	256QAM	1	1	16.83			18.0	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	17.02	17.03	17.02	18.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	16.93	16.94	17.00	18.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	17.00	17.02	16.94	18.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	16.99	16.92	17.01	18.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	16.93	16.94	16.94	18.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	16.94	16.93	16.98	18.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	17.04	16.94	16.96	18.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	17.02	16.98	17.02	18.0	0.0

n78(Part 27Q)_Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	20.96				
100	PI/2 BPSK	1	137	20.95			22.0	0.0
100	PI/2 BPSK	1	271	20.92				
100	PI/2 BPSK	135	0	20.85			22.0	0.0
100	PI/2 BPSK	135	69	20.94			22.0	0.0
100	PI/2 BPSK	135	138	20.88			22.0	0.0
100	PI/2 BPSK	270	0	20.92				
100	QPSK	1	1	20.84				
100	QPSK	1	137	20.95			22.0	0.0
100	QPSK	1	271	20.93				
100	QPSK	135	0	20.86				
100	QPSK	135	69	20.88			22.0	0.0
100	QPSK	135	138	20.84				
100	QPSK	270	0	20.75			22.0	0.0
100	16QAM	1	1	20.84			22.0	0.0
100	64QAM	1	1	20.76			21.5	0.5
100	256QAM	1	1	20.88			19.5	2.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	20.91	20.80	20.89	22.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	20.82	20.85	20.94	22.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	20.89	20.81	20.85	22.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	20.93	20.82	20.79	22.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	20.79	20.82	20.79	22.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	20.83	20.92	20.85	22.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	20.86	20.76	20.79	22.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	20.91	20.87	20.78	22.0	0.0

n78(Part 27Q) HPUE_Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	20.95				
100	PI/2 BPSK	1	137	20.95			22.0	0.0
100	PI/2 BPSK	1	271	20.92				
100	PI/2 BPSK	135	0	20.85			22.0	0.0
100	PI/2 BPSK	135	69	20.94			22.0	0.0
100	PI/2 BPSK	135	138	20.88			22.0	0.0
100	PI/2 BPSK	270	0	20.92				
100	QPSK	1	1	20.84				
100	QPSK	1	137	20.95			22.0	0.0
100	QPSK	1	271	20.93				
100	QPSK	135	0	20.86				
100	QPSK	135	69	20.88			22.0	0.0
100	QPSK	135	138	20.84				
100	QPSK	270	0	20.75			22.0	0.0
100	16QAM	1	1	20.84			22.0	0.0
100	64QAM	1	1	20.76			21.5	0.5
100	256QAM	1	1	20.88			19.5	2.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	20.91	20.80	20.89	22.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	20.82	20.85	20.94	22.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	20.89	20.81	20.85	22.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	20.93	20.82	20.79	22.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	20.79	20.82	20.79	22.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	20.83	20.82	20.95	22.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	20.86	20.76	20.79	22.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	20.91	20.87	20.78	22.0	0.0

n78(Part 27Q)_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	19.09				
100	PI/2 BPSK	1	137	19.06			20.5	0.0
100	PI/2 BPSK	1	271	18.99				
100	PI/2 BPSK	135	0	19.04			20.5	0.0
100	PI/2 BPSK	135	69	19.07			20.5	0.0
100	PI/2 BPSK	135	138	19.05			20.5	0.0
100	PI/2 BPSK	270	0	19.05				
100	QPSK	1	1	19.06				
100	QPSK	1	137	19.07			20.5	0.0
100	QPSK	1	271	19.02				
100	QPSK	135	0	19.05				
100	QPSK	135	69	18.99			20.5	0.0
100	QPSK	135	138	19.00				
100	QPSK	270	0	19.02			20.5	0.0
100	16QAM	1	1	19.04			20.5	0.0
100	64QAM	1	1	19.00			20.5	0.0
100	256QAM	1	1	18.35			19.5	1.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	18.87	18.86	18.80	20.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	18.96	18.90	18.83	20.5	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	18.87	18.94	18.84	20.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	18.82	18.89	18.87	20.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	18.91	18.84	18.83	20.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	18.93	18.87	18.83	20.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	18.85	18.87	18.85	20.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	18.81	18.87	18.88	20.5	0.0

n78(Part 27Q) HPUE_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633332			
Frequency (MHz)					3499.98			
100	PI/2 BPSK	1	1		19.09		20.5	0.0
100	PI/2 BPSK	1	137		19.06			
100	PI/2 BPSK	1	271		18.99			
100	PI/2 BPSK	135	0		19.04			
100	PI/2 BPSK	135	69		19.07		20.5	0.0
100	PI/2 BPSK	135	138		19.05		20.5	0.0
100	PI/2 BPSK	270	0		19.05			
100	QPSK	1	1		19.06			
100	QPSK	1	137		19.07			
100	QPSK	1	271		19.02		20.5	0.0
100	QPSK	135	0		19.05		20.5	0.0
100	QPSK	135	69		18.99			
100	QPSK	135	138		19.00			
100	QPSK	270	0		19.02			
100	16QAM	1	1		19.04		20.5	0.0
100	64QAM	1	1		19.00		20.5	0.0
100	256QAM	1	1		18.35		20.5	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	18.87	18.86	18.80	20.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	18.96	18.90	18.83	20.5	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	18.87	18.94	18.84	20.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	18.82	18.89	18.87	20.5	0.0
Channel				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	18.91	18.84	18.83	20.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	18.93	18.87	18.93	20.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	18.85	18.87	18.85	20.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	18.81	18.87	18.88	20.5	0.0

Reduced Power DSI3-Simultaneous

n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	18.0	0.0	
Frequency (MHz)				1860	1890	1900			
20	PI/2 BPSK	1	1	17.12	17.21	17.14			
20	PI/2 BPSK	1	53	17.00	17.05	17.04	18.0	0.0	
20	PI/2 BPSK	1	104	16.90	17.02	16.90			
20	PI/2 BPSK	50	0	16.77	16.91	16.89			
20	PI/2 BPSK	50	25	17.10	17.20	17.11	18.0	0.0	
20	PI/2 BPSK	50	56	16.78	16.99	16.81			
20	PI/2 BPSK	100	0	17.05	17.18	17.07			
20	QPSK	1	1	16.91	16.95	16.76	18.0	0.0	
20	QPSK	1	53	16.74	16.87	16.84			
20	QPSK	1	104	16.83	16.92	16.79			
20	QPSK	50	0	16.83	16.94	16.81	18.0	0.0	
20	QPSK	50	25	16.88	16.99	16.81			
20	QPSK	50	56	16.88	16.95	16.83			
20	QPSK	100	0	16.93	16.97	16.85	18.0	0.0	
20	16QAM	1	1	16.95	17.01	16.97			
20	64QAM	1	1	16.81	16.83	16.79			
20	256QAM	1	1	17.04	17.07	16.99	18.0	0.0	
Channel				371500	376000	380500	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1890	1902.5	(dBm)	(dB)	
15	PI/2 BPSK	1	1	17.02	17.04	17.00	18.0	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)	
10	PI/2 BPSK	1	1	16.96	17.06	16.95	18.0	0.0	
Channel				370500	376000	381500	Tune-up limit	MPR	
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)	
5	PI/2 BPSK	1	1	17.02	17.19	17.06	18.0	0.0	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				165300	167300	167600	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.11	23.19	23.02			
20	PI/2 BPSK	1	53	22.97	22.87	22.91	24.0	0.0	
20	PI/2 BPSK	1	104	22.87	22.76	22.81			
20	PI/2 BPSK	50	0	22.52	22.48	22.45			
20	PI/2 BPSK	50	25	22.93	22.94	22.91	23.5	0.5	
20	PI/2 BPSK	50	56	22.36	22.35	22.32			
20	PI/2 BPSK	100	0	22.47	22.48	22.46			
20	QPSK	1	1	22.89	23.03	22.91	24.0	0.0	
20	QPSK	1	53	22.77	22.82	22.77			
20	QPSK	1	104	22.66	22.77	22.62			
20	QPSK	50	0	21.79	21.95	21.84	23.0	1.0	
20	QPSK	50	25	22.76	22.88	22.76			
20	QPSK	50	56	21.68	21.84	21.76			
20	QPSK	100	0	21.89	21.97	21.82	23.0	1.0	
20	16QAM	1	1	22.05	22.21	22.05			
20	64QAM	1	1	20.18	20.23	20.17			
20	256QAM	1	1	18.66	18.76	18.65	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	PI/2 BPSK	1	1	23.07	23.18	23.01	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	PI/2 BPSK	1	1	23.04	22.89	22.96	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	PI/2 BPSK	1	1	23.11	23.02	22.96	24.0	0.0	

n7_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50000	50700	51000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	15.55	15.60	15.46			
40	PI/2 BPSK	1	108	15.50	15.53	15.40	16.5	0.0	
40	PI/2 BPSK	1	214	15.49	15.55	15.43			
40	PI/2 BPSK	108	0	15.40	15.43	15.44	16.5		
40	PI/2 BPSK	108	54	15.50	15.58	15.43	16.5	0.0	
40	PI/2 BPSK	108	108	15.33	15.31	15.06			
40	PI/2 BPSK	216	0	15.48	15.57	15.41	16.5		
40	QPSK	1	1	15.28	15.44	15.25	16.5	0.0	
40	QPSK	1	108	15.22	15.33	15.26			
40	QPSK	1	214	15.21	15.38	15.30			
40	QPSK	108	0	15.12	15.32	15.32	16.5	0.0	
40	QPSK	108	54	15.20	15.28	15.14	16.5		
40	QPSK	108	108	15.24	15.27	15.09	16.5		
40	QPSK	216	0	15.14	15.25	15.12	16.5	0.0	
40	16QAM	1	1	15.40	15.52	15.33	16.5		
40	64QAM	1	1	15.17	15.28	15.26	16.5		
40	256QAM	1	1	15.31	15.37	15.20	16.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	PI/2 BPSK	1	1	15.40	15.58	15.27	16.5	0.0	
Channel				502500	507000	511500	Power-up (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	IAEmAEAE (dBm)		
25	PI/2 BPSK	1	1	15.55	15.50	15.40	16.5	0.0	
Channel				502000	507000	512000	Power-up (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	IAEmAEAE (dBm)		
20	PI/2 BPSK	1	1	15.41	15.50	15.32	16.5	0.0	
Channel				501500	507000	512500	Power-up (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	IAEmAEI (dBm)		
15	PI/2 BPSK	1	1	15.36	15.56	15.23	16.5	0.0	
Channel				501000	507000	513000	Power-up (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	IAEmAEI (dBm)		
10	PI/2 BPSK	1	1	15.32	15.58	15.21	16.5	0.0	
Channel				500500	507000	513500	Power-up (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	IAEmAEI (dBm)		
5	PI/2 BPSK	1	1	15.49	15.56	15.16	16.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50000	50700	51000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	15.94	15.97	15.90			
40	PI/2 BPSK	1	108	15.90	15.92	15.85	17.0	0.0	
40	PI/2 BPSK	1	214	15.59	15.87	15.84			
40	PI/2 BPSK	108	0	15.84	15.84	15.87	17.0		
40	PI/2 BPSK	108	54	15.91	15.95	15.88	17.0	0.0	
40	PI/2 BPSK	108	108	15.60	15.88	15.84			
40	PI/2 BPSK	216	0	15.90	15.93	15.85	17.0		
40	QPSK	1	1	15.73	15.90	15.75	17.0	0.0	
40	QPSK	1	108	15.94	15.87	15.63			
40	QPSK	1	214	15.68	15.84	15.70			
40	QPSK	108	0	15.83	15.85	15.86	17.0	0.0	
40	QPSK	108	54	15.91	15.86	15.84	17.0		
40	QPSK	108	108	15.83	15.84	15.94	17.0		
40	QPSK	216	0	15.94	15.91	15.91	17.0	0.0	
40	16QAM	1	1	15.72	15.90	15.72			
40	64QAM	1	1	15.55	15.69	15.87	17.0		
40	256QAM	1	1	15.92	15.95	15.49	17.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	PI/2 BPSK	1	1	15.75	15.90	15.81	17.0	0.0	
Channel				502500	507000	511500	Power-up (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	IAEmAEAE (dBm)		
25	PI/2 BPSK	1	1	15.78	15.94	15.70	17.0	0.0	
Channel				502000	507000	512000	Power-up (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	IAEmAEAE (dBm)		
20	PI/2 BPSK	1	1	15.77	15.83	15.72	17.0	0.0	
Channel				501500	507000	512500	Power-up (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	IAEmAEI (dBm)		
15	PI/2 BPSK	1	1	15.91	15.69	15.70	17.0	0.0	
Channel				501000	507000	513000	Power-up (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	IAEmAEI (dBm)		
10	PI/2 BPSK	1	1	15.71	15.77	15.71	17.0	0.0	
Channel				500500	507000	513500	Power-up (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	IAEmAEI (dBm)		
5	PI/2 BPSK	1	1	15.89	15.84	15.81	17.0	0.0	



n66_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				348000	349000	350000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	16.64	16.73	16.55	17.5	0.0
40	PI/2 BPSK	1	108	16.45	16.55	16.50		
40	PI/2 BPSK	1	214	16.56	16.65	16.33	17.5	0.0
40	PI/2 BPSK	108	0	16.46	16.64	16.45		
40	PI/2 BPSK	108	54	16.60	16.71	16.52	17.5	0.0
40	PI/2 BPSK	108	108	16.52	16.54	16.31		
40	PI/2 BPSK	216	0	16.56	16.70	16.50	17.5	0.0
40	QPSK	1	1	16.33	16.48	16.46		
40	QPSK	1	108	16.40	16.57	16.39	17.5	0.0
40	QPSK	1	214	16.21	16.32	16.23		
40	QPSK	108	0	16.27	16.42	16.39	17.5	0.0
40	QPSK	108	54	16.43	16.48	16.29		
40	QPSK	108	108	16.42	16.48	16.47	17.5	0.0
40	QPSK	216	0	16.25	16.36	16.21		
40	16QAM	1	1	16.49	16.57	16.54	17.5	0.0
40	64QAM	1	1	16.21	16.30	16.14		
40	256QAM	1	1	16.24	16.41	16.23	17.5	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765	Tune-up limit (dBm)	MPR (dB)
30	PI/2 BPSK	1	1	16.58	16.61	16.52	17.5	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770	Tune-up IAPIuAPI (dBm)	MPR (dB)
20	PI/2 BPSK	1	1	16.48	16.69	16.50	17.5	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5	Tune-up IAPIuAPI (dBm)	MPR (dB)
15	PI/2 BPSK	1	1	16.52	16.56	16.55	17.5	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775	Tune-up IAPIuAPI (dBm)	MPR (dB)
10	PI/2 BPSK	1	1	16.61	16.56	16.40	17.5	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5	Tune-up IAPIuAPI (dBm)	MPR (dB)
5	PI/2 BPSK	1	1	16.59	16.54	16.51	17.5	0.0
Channel								

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	16.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	15.62	15.54	15.60		
40	PI/2 BPSK	1	53	15.60	15.50	15.54		
40	PI/2 BPSK	1	104	15.44	15.41	15.49	16.5	0.0
40	PI/2 BPSK	50	0	15.17	15.55	15.51		
40	PI/2 BPSK	50	28	15.58	15.52	15.65		
40	PI/2 BPSK	50	56	15.56	15.68	15.54		
40	PI/2 BPSK	100	0	15.55	15.50	15.62	16.5	0.0
40	QPSK	1	1	15.36	15.44	15.52		
40	QPSK	1	53	15.39	15.48	15.45		
40	QPSK	1	104	15.54	15.63	15.66		
40	QPSK	50	0	15.55	15.61	15.26	16.5	0.0
40	QPSK	50	28	15.50	15.39	15.50		
40	QPSK	50	56	15.47	15.68	15.66		
40	QPSK	100	0	15.60	15.52	15.37		
40	16QAM	1	1	15.44	15.37	15.47	16.5	0.0
40	64QAM	1	1	15.05	15.27	14.98		
40	256QAM	1	1	14.92	15.15	15.02		
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI/2 BPSK	1	1				16.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1				16.5	0.0

n78(Part 27Q)_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633332		17.0	0.0
Frequency (MHz)					3499.98			
100	PI/2 BPSK	1	1		16.24			
100	PI/2 BPSK	1	137		16.23			
100	PI/2 BPSK	1	271		16.16		17.0	0.0
100	PI/2 BPSK	135	0		16.21			
100	PI/2 BPSK	135	69		16.22			
100	PI/2 BPSK	135	138		16.17			
100	PI/2 BPSK	270	0		16.20		17.0	0.0
100	QPSK	1	1		16.18			
100	QPSK	1	137		16.12			
100	QPSK	1	271		16.04			
100	QPSK	135	0		16.13		17.0	0.0
100	QPSK	135	69		16.09			
100	QPSK	135	138		16.10			
100	QPSK	270	0		16.05			
100	16QAM	1	1		16.08		17.0	0.0
100	64QAM	1	1		16.07			
100	256QAM	1	1		16.16		17.0	0.0
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	16.05	16.05	16.12	17.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	16.09	16.20	16.20	17.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	16.04	16.15	16.13	17.0	0.0
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	16.05	16.17	16.01	17.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	16.13	16.17	16.01	17.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	16.06	16.14	15.96	17.0	0.0
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	16.03	16.01	16.08	17.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	16.08	16.07	16.16	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			3499.98	
Frequency (MHz)				633332				
100	PI/2 BPSK	1	1	16.24			17.0	0.0
100	PI/2 BPSK	1	137	16.23				
100	PI/2 BPSK	1	271	16.16				
100	PI/2 BPSK	135	0	16.21			17.0	0.0
100	PI/2 BPSK	135	69	16.22			17.0	0.0
100	PI/2 BPSK	135	138	16.17			17.0	0.0
100	PI/2 BPSK	270	0	16.20				
100	QPSK	1	1	16.18			17.0	0.0
100	QPSK	1	137	16.13				
100	QPSK	1	271	16.04				
100	QPSK	135	0	16.12			17.0	0.0
100	QPSK	135	69	16.09				
100	QPSK	135	138	16.10				
100	QPSK	270	0	16.05			17.0	0.0
100	16QAM	1	1	16.08			17.0	0.0
100	64QAM	1	1	16.07			17.0	0.0
100	256QAM	1	1	16.16			17.0	0.0
Channel				633000	633332	633666	3495	3499.98
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	16.05	16.05	16.12	17.0	0.0
Channel				632668	633332	634000	3495.02	3499.98
Frequency (MHz)				3495.02	3499.98	3510		
80	PI/2 BPSK	1	1	16.09	16.20	16.20	17.0	0.0
Channel				632334	633332	634332	3485.01	3499.98
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	16.04	16.15	16.13	17.0	0.0
Channel				632000	633332	634666	3485	3499.98
Frequency (MHz)				3485	3499.98	3519.99		
60	PI/2 BPSK	1	1	16.05	16.17	16.01	17.0	0.0
Channel				631668	633332	635000	3475.02	3499.98
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	16.13	16.17	16.01	17.0	0.0
Channel				631334	633332	635332	3470.01	3499.98
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	16.06	16.14	16.96	17.0	0.0
Channel				631000	633332	635666	3465	3499.98
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	16.03	16.01	16.08	17.0	0.0
Channel				630668	633332	636000	3460.02	3499.98
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	16.08	16.07	16.16	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			3499.98	
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1		11.55		12.5	0.0
100	PI/2 BPSK	1	137		11.51			
100	PI/2 BPSK	1	271		11.45			
100	PI/2 BPSK	135	0		11.30		12.5	0.0
100	PI/2 BPSK	135	69		11.53		12.5	0.0
100	PI/2 BPSK	135	138		11.41		12.5	
100	PI/2 BPSK	270	0		11.52			
100	QPSK	1	1		11.29		12.5	0.0
100	QPSK	1	137		11.54			
100	QPSK	1	271		11.42			
100	QPSK	135	0		11.34		12.5	0.0
100	QPSK	135	69		11.52			
100	QPSK	135	138		11.48			
100	QPSK	270	0		11.53		12.5	0.0
100	16QAM	1	1		11.23		12.5	0.0
100	64QAM	1	1		11.19		12.5	0.0
100	256QAM	1	1		11.38		12.5	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	11.50	11.53	11.54	12.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	11.54	11.45	11.43	12.5	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	11.37	11.40	11.44	12.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	11.36	11.49	11.52	12.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	11.35	11.53	11.45	12.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	11.37	11.37	11.35	12.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	11.54	11.42	11.47	12.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	11.50	11.44	11.41	12.5	0.0

n78(Part 27Q) HPUE_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	11.50				
100	PI/2 BPSK	1	137	11.51			12.5	0.0
100	PI/2 BPSK	1	271	11.45				
100	PI/2 BPSK	135	0	11.30			12.5	0.0
100	PI/2 BPSK	135	69	11.53			12.5	0.0
100	PI/2 BPSK	135	138	11.41			12.5	0.0
100	PI/2 BPSK	270	0	11.52				
100	QPSK	1	1	11.29				
100	QPSK	1	137	11.54			12.5	0.0
100	QPSK	1	271	11.42				
100	QPSK	135	0	11.34				
100	QPSK	135	69	11.52			12.5	0.0
100	QPSK	135	138	11.48				
100	QPSK	270	0	11.53			12.5	0.0
100	16QAM	1	1	11.23			12.5	0.0
100	64QAM	1	1	11.19			12.5	0.0
100	256QAM	1	1	11.38			12.5	0.0
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	PI/2 BPSK	1	1	11.50	11.53	11.54	12.5	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	PI/2 BPSK	1	1	11.54	11.45	11.43	12.5	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	PI/2 BPSK	1	1	11.37	11.40	11.44	12.5	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3518.99	(dBm)	(dB)
60	PI/2 BPSK	1	1	11.36	11.40	11.52	12.5	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	PI/2 BPSK	1	1	11.35	11.53	11.45	12.5	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	PI/2 BPSK	1	1	11.37	11.37	11.35	12.5	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	PI/2 BPSK	1	1	11.54	11.42	11.47	12.5	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	PI/2 BPSK	1	1	11.50	11.44	11.41	12.5	0.0

n78(Part 27Q)_Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	18.15				
100	PI/2 BPSK	1	137	18.09			19.0	0.0
100	PI/2 BPSK	1	271	18.13				
100	PI/2 BPSK	135	0	18.12			19.0	0.0
100	PI/2 BPSK	135	69	18.13			19.0	0.0
100	PI/2 BPSK	135	138	18.01			19.0	0.0
100	PI/2 BPSK	270	0	18.12				
100	QPSK	1	1	18.02				
100	QPSK	1	137	18.10			19.0	0.0
100	QPSK	1	271	18.08				
100	QPSK	135	0	17.99				
100	QPSK	135	69	18.00			19.0	0.0
100	QPSK	135	138	17.98				
100	QPSK	270	0	17.94			19.0	0.0
100	16QAM	1	1	17.97			19.0	0.0
100	64QAM	1	1	17.91			19.0	0.0
100	256QAM	1	1	18.08			19.0	0.0
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				3495	3499.98	3504.99	(dBm)	(dB)
90	PI/2 BPSK	1	1	17.68	17.97	17.78	19.0	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3499.98	3510	(dBm)	(dB)
80	PI/2 BPSK	1	1	17.86	18.13	18.11	19.0	0.0
Channel				632334	633332	634332	Tune-up limit	MPR
Frequency (MHz)				3485.01	3499.98	3514.98	(dBm)	(dB)
70	PI/2 BPSK	1	1	17.56	18.02	18.06	19.0	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				3480	3499.98	3518.99	(dBm)	(dB)
60	PI/2 BPSK	1	1	17.69	17.98	17.86	19.0	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3499.98	3525	(dBm)	(dB)
50	PI/2 BPSK	1	1	17.66	18.00	17.86	19.0	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3499.98	3529.98	(dBm)	(dB)
40	PI/2 BPSK	1	1	17.87	17.83	17.89	19.0	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				3465	3499.98	3534.99	(dBm)	(dB)
30	PI/2 BPSK	1	1	17.80	18.10	17.78	19.0	0.0
Channel				630668	633332	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3499.98	3540	(dBm)	(dB)
20	PI/2 BPSK	1	1	17.85	17.99	18.00	19.0	0.0

n78(Part 27Q) HPUE_Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332	633332		19.0	0.0
Frequency (MHz)				3499.98	3499.98			
100	PI/2 BPSK	1	1	18.15				
100	PI/2 BPSK	1	137	18.09				
100	PI/2 BPSK	1	271	18.13				
100	PI/2 BPSK	135	0	18.12			19.0	0.0
100	PI/2 BPSK	135	69	18.13			19.0	0.0
100	PI/2 BPSK	135	138	18.01			19.0	0.0
100	PI/2 BPSK	270	0	18.12				
100	QPSK	1	1	18.02				
100	QPSK	1	137	18.10			19.0	0.0
100	QPSK	1	271	18.08				
100	QPSK	135	0	17.99				
100	QPSK	135	69	18.00			19.0	0.0
100	QPSK	135	138	17.98				
100	QPSK	270	0	17.94			19.0	0.0
100	16QAM	1	1	17.97			19.0	0.0
100	64QAM	1	1	17.91			19.0	0.0
100	256QAM	1	1	18.08			19.0	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	17.68	17.97	17.78	19.0	0.0
Channel				632666	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	17.86	18.13	18.11	19.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	17.56	18.02	18.06	19.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	17.68	17.80	17.88	19.0	0.0
Channel				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	17.66	18.00	17.86	19.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	17.57	17.83	17.89	19.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	17.80	18.10	17.78	19.0	0.0
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	17.85	17.99	18.00	19.0	0.0

n78(Part 27Q)_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332		20.5	0.0
Frequency (MHz)				3495	3499.98			
100	PI/2 BPSK	1	1	19.09				
100	PI/2 BPSK	1	137	19.06				
100	PI/2 BPSK	1	271	18.99				
100	PI/2 BPSK	135	0	19.04			20.5	0.0
100	PI/2 BPSK	135	69	19.07			20.5	0.0
100	PI/2 BPSK	135	138	19.05			20.5	0.0
100	PI/2 BPSK	270	0	19.05				
100	QPSK	1	1	19.06				
100	QPSK	1	137	19.07			20.5	0.0
100	QPSK	1	271	19.02				
100	QPSK	135	0	19.05				
100	QPSK	135	69	18.99			20.5	0.0
100	QPSK	135	138	19.00				
100	QPSK	270	0	19.02			20.5	0.0
100	16QAM	1	1	19.04			20.5	0.0
100	64QAM	1	1	19.00			20.5	0.0
100	256QAM	1	1	18.35			19.5	1.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	18.87	18.86	18.80	20.5	0.0
Channel				632666	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	18.96	18.90	18.83	20.5	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	18.87	18.94	18.84	20.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	18.82	18.89	18.87	20.5	0.0
Channel				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	18.91	18.84	18.83	20.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	18.93	18.87	18.93	20.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	18.85	18.87	18.85	20.5	0.0
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	18.81	18.87	18.88	20.5	0.0



n78(Part 27Q) HPUE_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			20.5	0.0
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	19.09				
100	PI/2 BPSK	1	137	19.06				
100	PI/2 BPSK	1	271	18.99			20.5	0.0
100	PI/2 BPSK	135	0	19.04				
100	PI/2 BPSK	135	69	19.07				
100	PI/2 BPSK	135	138	19.05				
100	PI/2 BPSK	270	0	19.05			20.5	0.0
100	QPSK	1	1	19.06				
100	QPSK	1	137	19.07				
100	QPSK	1	271	19.02				
100	QPSK	135	0	19.05			20.5	0.0
100	QPSK	135	69	18.99				
100	QPSK	135	138	19.00				
100	QPSK	270	0	19.02				
100	16QAM	1	1	19.04			20.5	0.0
100	64QAM	1	1	19.00			20.5	0.0
100	256QAM	1	1	18.35			20.5	0.0
Channel				633000	633332	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	18.87	18.86	18.80	20.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3499.98	3510		
80	PI/2 BPSK	1	1	18.96	18.90	18.83	20.5	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	18.87	18.94	18.84	20.5	0.0
Channel				632000	633332	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	18.82	18.89	18.87	20.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	18.91	18.84	18.83	20.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	18.93	18.87	18.93	20.5	0.0
Channel				631000	633332	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	18.85	18.87	18.85	20.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	18.81	18.87	18.88	20.5	0.0

Reduced Power DSI6-Standalone

n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	22.0	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	21.04	21.12	20.95			
20	PI/2 BPSK	1	53	21.02	21.06	20.86	22.0	0.0	
20	PI/2 BPSK	1	104	20.95	21.05	20.86			
20	PI/2 BPSK	50	0	20.93	20.97	20.81		0.0	
20	PI/2 BPSK	50	28	21.01	21.10	20.93	22.0	0.0	
20	PI/2 BPSK	50	58	20.85	21.01	20.91			
20	PI/2 BPSK	100	0	20.99	21.09	21.00		0.0	
20	QPSK	1	1	21.05	21.09	21.09	22.0	0.0	
20	QPSK	1	53	20.94	21.08	20.92			
20	QPSK	1	104	20.79	20.99	20.95		0.0	
20	QPSK	50	0	20.98	21.04	21.03	22.0	0.0	
20	QPSK	50	28	20.94	21.07	21.02			
20	QPSK	50	58	20.67	20.79	20.68		0.0	
20	QPSK	100	0	20.74	20.74	20.73	22.0	0.0	
20	16QAM	1	1	20.74	20.87	20.78			
20	64QAM	1	1	20.03	20.04	19.97		21.5	
20	256QAM	1	1	18.41	18.53	18.36	19.5	2.5	
Channel				371500	376000	380500			
Frequency (MHz)				1857.5	1880	1902.5	22.0	0.0	
15	PI/2 BPSK	1	1	20.95	21.08	20.86			
Channel				371000	376000	381000	22.0	0.0	
Frequency (MHz)				1855	1880	1905			
10	PI/2 BPSK	1	1	20.87	21.02	20.92		0.0	
Channel				370500	376000	381500	22.0	0.0	
Frequency (MHz)				1852.5	1880	1907.5			
5	PI/2 BPSK	1	1	21.01	20.96	20.83		22.0	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				165300	167300	169300	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.11	23.19	23.02			
20	PI/2 BPSK	1	53	22.97	22.87	22.91	23.5	0.5	
20	PI/2 BPSK	1	104	22.87	22.76	22.81			
20	PI/2 BPSK	50	0	22.52	22.48	22.45		23.5	
20	PI/2 BPSK	50	28	22.93	22.94	22.91	22.0	0.0	
20	PI/2 BPSK	50	58	22.36	22.35	22.32			
20	PI/2 BPSK	100	0	22.47	22.48	22.46		24.0	
20	QPSK	1	1	22.89	23.03	22.91	22.0	0.0	
20	QPSK	1	53	22.77	22.92	22.77			
20	QPSK	1	104	22.66	22.77	22.62		23.0	
20	QPSK	50	0	21.79	21.95	21.84	22.0	1.0	
20	QPSK	50	28	22.76	22.88	22.76			
20	QPSK	50	58	21.68	21.84	21.78		23.0	
20	QPSK	100	0	21.89	21.97	21.82	22.0	1.0	
20	16QAM	1	1	22.05	22.21	22.05			
20	64QAM	1	1	20.18	20.23	20.17		21.5	
20	256QAM	1	1	18.66	18.76	18.65	19.5	4.5	
Channel				165300	167300	169300			
Frequency (MHz)				831.5	836.5	841.5	23.0	0.0	
15	PI/2 BPSK	1	1	23.07	23.18	23.01			
Channel				165800	167300	168800	22.0	0.0	
Frequency (MHz)				829	836.5	844			
10	PI/2 BPSK	1	1	23.04	22.89	22.96		24.0	
Channel				165300	167300	169300	22.0	0.0	
Frequency (MHz)				836.5	836.5	846.5			
5	PI/2 BPSK	1	1	23.11	23.02	22.96		24.0	

n7_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000	22.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	20.99	21.03	20.88			
40	PI/2 BPSK	1	108	20.84	20.92	20.81	22.0	0.0	
40	PI/2 BPSK	1	214	20.85	21.00	20.85			
40	PI/2 BPSK	108	0	20.49	20.68	20.66			
40	PI/2 BPSK	108	54	20.95	21.02	20.85	22.0	0.0	
40	PI/2 BPSK	108	108	20.76	20.78	20.70			
40	PI/2 BPSK	216	0	20.93	21.00	20.70			
40	QPSK	1	1	20.88	20.90	20.76	22.0	0.0	
40	QPSK	1	108	20.71	20.86	20.84			
40	QPSK	1	214	20.86	20.89	20.70			
40	QPSK	108	0	20.67	20.79	20.71	22.0	0.0	
40	QPSK	108	54	20.58	20.78	20.68			
40	QPSK	108	108	20.65	20.77	20.72			
40	QPSK	216	0	20.61	20.77	20.68	22.0	0.0	
40	16QAM	1	1	20.81	20.96	20.84			
40	64QAM	1	1	20.29	20.49	20.46		21.5	
40	256QAM	1	1	19.25	19.21	19.17	19.5	2.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	22.0	0.0	
30	PI/2 BPSK	1	1	20.86	20.91	20.71			
Channel				502500	507000	511500	AP tune-up IAEmAEAE (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	22.0	0.0	
25	PI/2 BPSK	1	1	20.79	20.97	20.65			
Channel				502000	507000	512000	AP tune-up IAEmAEAE (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	22.0	0.0	
20	PI/2 BPSK	1	1	20.98	20.99	20.68			
Channel				501500	507000	512500	Tune-up IAEmAEI (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	22.0	0.0	
15	PI/2 BPSK	1	1	20.90	20.84	20.78			
Channel				501000	507000	513000	Tune-up IAEmAEI (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	22.0	0.0	
10	PI/2 BPSK	1	1	20.80	20.83	20.73			
Channel				500500	507000	513500	Tune-up IAEmAEI (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	22.0	0.0	
5	PI/2 BPSK	1	1	20.89	20.97	20.58			

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000	22.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	20.90	20.92	20.85			
40	PI/2 BPSK	1	108	20.67	20.86	20.82	22.0	0.0	
40	PI/2 BPSK	1	214	20.77	20.84	20.67			
40	PI/2 BPSK	108	0	20.72	20.77	20.68			
40	PI/2 BPSK	108	54	20.86	20.90	20.82	22.0	0.0	
40	PI/2 BPSK	108	108	20.70	20.79	20.67			
40	PI/2 BPSK	216	0	20.84	20.88	20.80			
40	QPSK	1	1	20.73	20.88	20.74	22.0	0.0	
40	QPSK	1	108	20.69	20.86	20.81			
40	QPSK	1	214	20.61	20.65	20.56			
40	QPSK	108	0	20.69	20.70	20.68	22.0	0.0	
40	QPSK	108	54	20.59	20.67	20.53			
40	QPSK	108	108	20.62	20.63	20.49			
40	QPSK	216	0	20.52	20.72	20.54	22.0	0.0	
40	16QAM	1	1	20.77	20.80	20.63			
40	64QAM	1	1	20.18	20.35	20.23		21.5	
40	256QAM	1	1	18.98	18.18	19.17	19.5	2.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518	2535	2555	22.0	0.0	
30	PI/2 BPSK	1	1	20.82	20.74	20.65			
Channel				502500	507000	511500	AP tune-up IAPmAPAP (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	22.0	0.0	
25	PI/2 BPSK	1	1	20.83	20.84	20.71			
Channel				502000	507000	512000	AP tune-up IAPmAPAP (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	22.0	0.0	
20	PI/2 BPSK	1	1	20.76	20.81	20.80			
Channel				501500	507000	512500	Tune-up IAPmAP (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	22.0	0.0	
15	PI/2 BPSK	1	1	20.83	20.86	20.72			
Channel				501000	507000	513000	Tune-up IAPmAP (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	22.0	0.0	
10	PI/2 BPSK	1	1	20.86	20.78	20.67			
Channel				500500	507000	513500	Tune-up IAPmAP (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	22.0	0.0	
5	PI/2 BPSK	1	1	20.81	20.89	20.81			

n66_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				348000	349000	350000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	20.80	20.84	20.71	21.5	0.0
40	PI/2 BPSK	1	108	20.65	20.83	20.67		
40	PI/2 BPSK	1	214	20.56	20.63	20.53	21.5	0.0
40	PI/2 BPSK	108	0	20.59	20.68	20.65		
40	PI/2 BPSK	108	54	20.77	20.62	20.68	21.5	0.0
40	PI/2 BPSK	108	108	20.68	20.74	20.74		
40	PI/2 BPSK	216	0	20.74	20.81	20.67	21.5	0.0
40	QPSK	1	1	20.63	20.66	20.59		
40	QPSK	1	108	20.58	20.77	20.72	21.5	0.0
40	QPSK	1	214	20.51	20.53	20.37		
40	QPSK	108	0	20.69	20.70	20.57	21.5	0.0
40	QPSK	108	54	20.60	20.73	20.67		
40	QPSK	108	108	20.56	20.67	20.50	21.5	0.0
40	QPSK	216	0	20.57	20.61	20.47		
40	16QAM	1	1	20.69	20.83	20.80	21.5	0.0
40	64QAM	1	1	20.39	20.57	20.51		
40	256QAM	1	1	18.85	18.94	18.78	19.5	2.0
Channel				349000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	20.65	20.75	20.83	21.5	0.0
Channel				344000	349000	354000	Tune-up (APMAPI dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	20.79	20.76	20.79	21.5	0.0
Channel				343500	349000	354500	Tune-up (APMAPI dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
15	PI/2 BPSK	1	1	20.70	20.75	20.84	21.5	0.0
Channel				343000	349000	355000	Tune-up (APMAPI dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	20.62	20.74	20.64	21.5	0.0
Channel				342500	349000	355500	Tune-up (APMAPI dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	20.72	20.76	20.60	21.5	0.0

n38_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	22.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	21.55	21.55	21.58		
40	PI/2 BPSK	1	53	21.38	21.48	21.52		
40	PI/2 BPSK	1	104	21.35	21.57	21.42	22.5	0.0
40	PI/2 BPSK	50	0	21.31	21.57	21.32		
40	PI/2 BPSK	50	28	21.52	21.63	21.55		
40	PI/2 BPSK	50	56	21.38	21.57	21.41		
40	PI/2 BPSK	100	0	21.50	21.61	21.53	22.5	0.0
40	QPSK	1	1	21.22	21.40	21.27		
40	QPSK	1	53	21.20	21.38	21.32		
40	QPSK	1	104	21.41	21.50	21.30		
40	QPSK	50	0	21.15	21.29	21.12	22.5	0.0
40	QPSK	50	28	21.18	21.36	21.17		
40	QPSK	50	56	21.23	21.40	21.27		
40	QPSK	100	0	21.35	21.35	21.35		
40	16QAM	1	1	21.26	21.40	21.25	22.5	0.0
40	64QAM	1	1	20.13	20.15	20.04		
40	256QAM	1	1	18.94	19.00	18.80		
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	22.5	0.0
30	PI/2 BPSK	1	1	21.48	21.63	21.55		
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	22.5	0.0
20	PI/2 BPSK	1	1	21.43	21.62	21.54		

n78(Part 27Q)_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			21.0	0.0
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	20.03				
100	PI/2 BPSK	1	137	19.94				
100	PI/2 BPSK	1	271	20.02			21.0	0.0
100	PI/2 BPSK	135	0	19.92				
100	PI/2 BPSK	135	69	20.01				
100	PI/2 BPSK	135	138	19.99				
100	PI/2 BPSK	270	0	19.99			21.0	0.0
100	QPSK	1	1	19.95				
100	QPSK	1	137	20.01				
100	QPSK	1	271	19.98				
100	QPSK	135	0	19.92			21.0	0.0
100	QPSK	135	69	19.93				
100	QPSK	135	138	19.87				
100	QPSK	270	0	19.86				
100	16QAM	1	1	19.92			21.0	0.0
100	64QAM	1	1	19.77				
100	256QAM	1	1	19.23				
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99	21.0	0.0
90	PI/2 BPSK	1	1	19.94	19.88	19.87		
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3499.98	3510	21.0	0.0
80	PI/2 BPSK	1	1	19.89	19.95	20.00		
Channel				632334	633332	634332		
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	19.86	19.93	19.90	21.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99	21.0	0.0
60	PI/2 BPSK	1	1	19.93	19.93	19.99		
Channel				631668	633332	635000		
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	19.88	19.89	20.01	21.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98	21.0	0.0
40	PI/2 BPSK	1	1	19.91	19.95	20.00		
Channel				631000	633332	635666		
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	20.00	19.96	19.86	21.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540	21.0	0.0
20	PI/2 BPSK	1	1	19.96	19.94	19.98		

n78(Part 27Q) HPUE_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1	19.94	19.94		21.0	0.0	
100	PI/2 BPSK	1	137	20.02	20.02				
100	PI/2 BPSK	1	271	19.92	19.92		21.0	0.0	
100	PI/2 BPSK	135	0	20.01	20.01		21.0	0.0	
100	PI/2 BPSK	135	69	19.99	19.99		21.0	0.0	
100	PI/2 BPSK	135	138	19.98	19.98		21.0	0.0	
100	QPSK	1	1	19.92	19.92		21.0	0.0	
100	QPSK	1	137	20.01	20.01				
100	QPSK	1	271	19.98	19.98		21.0	0.0	
100	QPSK	135	0	19.92	19.92				
100	QPSK	135	69	19.93	19.93		21.0	0.0	
100	QPSK	135	138	19.87	19.87		21.0	0.0	
100	QPSK	270	0	19.86	19.86		21.0	0.0	
100	16QAM	1	1	19.92	19.92		21.0	0.0	
100	64QAM	1	1	19.77	19.77		21.0	0.0	
100	256QAM	1	1	19.85	19.85		21.0	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	PI/2 BPSK	1	1	19.94	19.88	19.87	21.0	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	PI/2 BPSK	1	1	19.89	19.95	20.00	21.0	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	PI/2 BPSK	1	1	19.86	19.93	19.90	21.0	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3518.99			
60	PI/2 BPSK	1	1	19.93	19.93	19.99	21.0	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	PI/2 BPSK	1	1	19.88	19.89	20.01	21.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	PI/2 BPSK	1	1	19.91	19.95	20.00	21.0	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	PI/2 BPSK	1	1	20.00	19.96	19.86	21.0	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	PI/2 BPSK	1	1	19.96	19.94	19.98	21.0	0.0	

n78(Part 27Q)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PI/2 BPSK	1	1	17.60	17.60		18.5	0.0	
100	PI/2 BPSK	1	137	17.45	17.45				
100	PI/2 BPSK	1	271	17.47	17.47		18.5	0.0	
100	PI/2 BPSK	135	0	17.39	17.39		18.5	0.0	
100	PI/2 BPSK	135	69	17.58	17.58		18.5	0.0	
100	PI/2 BPSK	135	138	17.56	17.56		18.5	0.0	
100	QPSK	1	1	17.49	17.49		18.5	0.0	
100	QPSK	1	137	17.33	17.33				
100	QPSK	1	271	17.53	17.53		18.5	0.0	
100	QPSK	135	0	17.34	17.34				
100	QPSK	135	69	17.31	17.31		18.5	0.0	
100	QPSK	135	138	17.51	17.51		18.5	0.0	
100	QPSK	270	0	17.59	17.59		18.5	0.0	
100	16QAM	1	1	17.40	17.40		18.5	0.0	
100	64QAM	1	1	17.46	17.46		18.5	0.0	
100	256QAM	1	1	17.45	17.45		18.5	0.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	PI/2 BPSK	1	1	17.12	17.37	17.28	18.5	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	PI/2 BPSK	1	1	17.39	17.33	17.52	18.5	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	PI/2 BPSK	1	1	17.29	17.22	17.47	18.5	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3518.99			
60	PI/2 BPSK	1	1	17.13	17.33	17.38	18.5	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	PI/2 BPSK	1	1	17.18	17.26	17.54	18.5	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	PI/2 BPSK	1	1	17.15	17.30	17.52	18.5	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	PI/2 BPSK	1	1	17.20	17.47	17.31	18.5	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	PI/2 BPSK	1	1	17.34	17.20	17.47	18.5	0.0	

n78(Part 27Q) HPUE_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	17.12				
100	PI/2 BPSK	1	137	17.45			18.5	0.0
100	PI/2 BPSK	1	271	17.47				
100	PI/2 BPSK	135	0	17.39			18.5	0.0
100	PI/2 BPSK	135	69	17.58			18.5	0.0
100	PI/2 BPSK	135	138	17.56			18.5	0.0
100	PI/2 BPSK	270	0	17.58				
100	QPSK	1	1	17.49				
100	QPSK	1	137	17.33			18.5	0.0
100	QPSK	1	271	17.53				
100	QPSK	135	0	17.34				
100	QPSK	135	69	17.31			18.5	0.0
100	QPSK	135	138	17.51				
100	QPSK	270	0	17.59			18.5	0.0
100	16QAM	1	1	17.40			18.5	0.0
100	64QAM	1	1	17.46			18.5	0.0
100	256QAM	1	1	17.45			18.5	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	17.12	17.37	17.28	18.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	17.39	17.33	17.52	18.5	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	17.29	17.22	17.47	18.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	17.13	17.33	17.38	18.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	17.18	17.26	17.54	18.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	17.15	17.30	17.52	18.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	17.20	17.47	17.31	18.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	17.34	17.20	17.47	18.5	0.0

n78(Part 27Q)_Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	23.08				
100	PI/2 BPSK	1	137	23.03			24.0	0.0
100	PI/2 BPSK	1	271	23.00				
100	PI/2 BPSK	135	0	22.99			23.5	0.5
100	PI/2 BPSK	135	69	23.03			24.0	0.0
100	PI/2 BPSK	135	138	23.02			23.5	0.5
100	PI/2 BPSK	270	0	22.96				
100	QPSK	1	1	22.98				
100	QPSK	1	137	22.98			24.0	0.0
100	QPSK	1	271	22.62				
100	QPSK	135	0	22.57				
100	QPSK	135	69	22.56			24.0	0.0
100	QPSK	135	138	22.58				
100	QPSK	270	0	22.60			23.0	1.0
100	16QAM	1	1	22.18			23.0	1.0
100	64QAM	1	1	21.35			21.5	2.5
100	256QAM	1	1	19.94			19.5	4.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	22.60	23.01	22.68	24.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	22.60	22.94	22.60	24.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	22.55	22.99	22.61	24.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	22.55	22.98	22.61	24.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	22.49	22.97	22.63	24.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	22.61	23.02	22.62	24.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	22.57	22.91	22.67	24.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	22.57	22.93	22.65	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633332			
Frequency (MHz)					3499.98			
100	PI/2 BPSK	1	1		23.03		24.0	0.0
100	PI/2 BPSK	1	137		23.03			
100	PI/2 BPSK	1	271		23.00			
100	PI/2 BPSK	135	0		22.99		24.0	0.0
100	PI/2 BPSK	135	69		23.03		24.0	0.0
100	PI/2 BPSK	135	138		23.02		24.0	0.0
100	PI/2 BPSK	270	0		22.98			
100	QPSK	1	1		22.98			
100	QPSK	1	137		22.98		24.0	0.0
100	QPSK	1	271		22.62			
100	QPSK	135	0		22.57			
100	QPSK	135	69		22.56		24.0	0.0
100	QPSK	135	138		22.58			
100	QPSK	270	0		22.60		24.0	0.0
100	16QAM	1	1		22.18		24.0	0.0
100	64QAM	1	1		22.47		24.0	0.0
100	256QAM	1	1		20.55		22.5	1.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	22.60	23.01	22.68	24.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3499.98	3510		
80	PI/2 BPSK	1	1	22.60	22.94	22.60	24.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	22.55	22.99	22.61	24.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	22.55	22.98	22.61	24.0	0.0
Channel				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	22.49	22.97	22.63	24.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	22.61	23.02	22.62	24.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	22.57	22.91	22.67	24.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	22.57	22.93	22.65	24.0	0.0

Reduced Power DSI6-Simultaneous

n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	20.94	21.22	20.85	22.0	0.0	
20	PI/2 BPSK	1	53	21.16	21.16	21.15			
20	PI/2 BPSK	1	104	20.98	21.15	20.96			
20	PI/2 BPSK	50	0	20.94	21.07	20.91	22.0	0.0	
20	PI/2 BPSK	50	28	20.98	21.13	20.97	22.0	0.0	
20	PI/2 BPSK	50	56	20.96	21.11	20.97	22.0	0.0	
20	PI/2 BPSK	100	0	21.02	21.15	21.04	22.0	0.0	
20	QPSK	1	1	21.19	21.19	21.04			
20	QPSK	1	53	21.07	21.18	21.11			
20	QPSK	1	104	20.93	21.09	20.89	22.0	0.0	
20	QPSK	50	0	20.97	21.14	20.94	22.0	0.0	
20	QPSK	50	28	20.99	21.17	21.12	22.0	0.0	
20	QPSK	50	56	20.71	20.89	20.85	22.0	0.0	
20	QPSK	100	0	20.79	20.84	20.81			
20	16QAM	1	1	20.86	20.97	20.95			
20	64QAM	1	1	19.96	20.14	19.95	21.5	0.5	
20	256QAM	1	1	18.55	18.83	18.48	19.5	2.5	
Channel				371500	376000	380500	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	PI/2 BPSK	1	1	20.97	21.02	21.09	22.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	PI/2 BPSK	1	1	21.16	21.05	21.14	22.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	PI/2 BPSK	1	1	21.08	21.10	21.00	22.0	0.0	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.11	23.19	23.02	24.0	0.0	
20	PI/2 BPSK	1	53	22.97	22.87	22.91			
20	PI/2 BPSK	1	104	22.87	22.76	22.81			
20	PI/2 BPSK	50	0	22.52	22.48	22.45	23.5	0.5	
20	PI/2 BPSK	50	28	22.81	22.94	22.91	24.0	0.0	
20	PI/2 BPSK	50	56	22.36	22.35	22.32	23.5	0.5	
20	PI/2 BPSK	100	0	22.47	22.48	22.46			
20	QPSK	1	1	22.89	23.03	22.91			
20	QPSK	1	53	22.77	22.92	22.77	24.0	0.0	
20	QPSK	1	104	22.66	22.77	22.62			
20	QPSK	50	0	21.79	21.95	21.84	23.0	1.0	
20	QPSK	50	28	22.76	22.88	22.76	24.0	0.0	
20	QPSK	50	56	21.68	21.84	21.78	23.0	1.0	
20	QPSK	100	0	21.89	21.97	21.82			
20	16QAM	1	1	22.05	22.21	22.05			
20	64QAM	1	1	20.18	20.23	20.17	21.5	2.5	
20	256QAM	1	1	18.66	18.76	18.65	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	PI/2 BPSK	1	1	23.07	23.18	23.01	24.0	0.0	
	Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	24.0	0.0	
10	PI/2 BPSK	1	1	23.04	22.89	22.96	24.0	0.0	
	Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0	
5	PI/2 BPSK	1	1	23.11	23.02	22.96	24.0	0.0	

n7_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000	22.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	20.99	21.03	20.88			
40	PI/2 BPSK	1	108	20.84	20.22	20.81			
40	PI/2 BPSK	1	214	20.85	21.00	20.85	22.0	0.0	
40	PI/2 BPSK	108	0	20.49	20.68	20.66	22.0	0.0	
40	PI/2 BPSK	108	54	20.95	21.02	20.85	22.0	0.0	
40	PI/2 BPSK	108	108	20.76	20.78	20.70	22.0	0.0	
40	PI/2 BPSK	216	0	20.93	21.00	20.70	22.0	0.0	
40	QPSK	1	1	20.88	20.90	20.76	22.0	0.0	
40	QPSK	1	108	20.71	20.88	20.84			
40	QPSK	1	214	20.86	20.89	20.70			
40	QPSK	108	0	20.67	20.79	20.71			
40	QPSK	108	54	20.58	20.78	20.68	22.0	0.0	
40	QPSK	108	108	20.65	20.77	20.72	22.0	0.0	
40	QPSK	216	0	20.61	20.77	20.68	22.0	0.0	
40	16QAM	1	1	20.81	20.96	20.84	22.0	0.0	
40	64QAM	1	1	20.29	20.49	20.46	21.5	0.5	
40	256QAM	1	1	19.25	19.21	19.17	19.5	2.5	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	PI/2 BPSK	1	1	20.86	20.91	20.71	22.0	0.0	
Channel				502500	507000	511500	APM-30 IAE mAPAP	MPR	
Frequency (MHz)				2512.5	2535	2557.5			
25	PI/2 BPSK	1	1	20.79	20.97	20.68	22.0	0.0	
Channel				502000	507000	512000	APM-25 IAE mAPAP	MPR	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	20.96	20.99	20.68	22.0	0.0	
Channel				501500	507000	512500	APM-20 IAE mAPAP	MPR	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	20.90	20.84	20.78	22.0	0.0	
Channel				501000	507000	513000	APM-15 IAE mAPAP	MPR	
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	20.90	20.93	20.73	22.0	0.0	
Channel				500500	507000	513500	APM-10 IAE mAPAP	MPR	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	20.89	20.97	20.58	22.0	0.0	

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000	21.5	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	20.28	20.48	20.33			
40	PI/2 BPSK	1	108	20.12	20.31	20.04			
40	PI/2 BPSK	1	214	20.25	20.22	20.22	21.5	0.0	
40	PI/2 BPSK	108	0	20.09	20.23	20.10	21.5	0.0	
40	PI/2 BPSK	108	54	20.25	20.46	20.31	21.5	0.0	
40	PI/2 BPSK	108	108	20.10	20.39	20.22	21.5	0.0	
40	PI/2 BPSK	216	0	20.22	20.44	20.29	21.5	0.0	
40	QPSK	1	1	20.24	20.33	20.31	21.5	0.0	
40	QPSK	1	108	20.16	20.25	20.10			
40	QPSK	1	214	20.09	20.22	20.06			
40	QPSK	108	0	20.22	20.23	20.22			
40	QPSK	108	54	20.01	20.15	20.06	21.5	0.0	
40	QPSK	108	108	20.04	20.19	20.04	21.5	0.0	
40	QPSK	216	0	20.01	20.21	20.17	21.5	0.0	
40	16QAM	1	1	20.26	20.37	20.18	21.5	0.0	
40	64QAM	1	1	19.89	19.98	19.81	21.5	0.0	
40	256QAM	1	1	18.70	18.85	18.85	19.5	2.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	PI/2 BPSK	1	1	20.15	20.41	20.28	21.5	0.0	
Channel				502500	507000	511500	APM-30 IAE mAPAP	MPR	
Frequency (MHz)				2512.5	2535	2557.5			
25	PI/2 BPSK	1	1	20.10	20.32	20.21	21.5	0.0	
Channel				502000	507000	512000	APM-25 IAE mAPAP	MPR	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	20.26	20.43	20.25	21.5	0.0	
Channel				501500	507000	512500	APM-20 IAE mAPAP	MPR	
Frequency (MHz)				2507.5	2535	2562.5			
15	PI/2 BPSK	1	1	20.26	20.41	20.29	21.5	0.0	
Channel				501000	507000	513000	APM-15 IAE mAPAP	MPR	
Frequency (MHz)				2505	2535	2565			
10	PI/2 BPSK	1	1	20.27	20.38	20.28	21.5	0.0	
Channel				500500	507000	513500	APM-10 IAE mAPAP	MPR	
Frequency (MHz)				2502.5	2535	2567.5			
5	PI/2 BPSK	1	1	20.11	20.44	20.31	21.5	0.0	

n66_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	20.80	20.84	20.71	21.5	0.0
40	PI/2 BPSK	1	108	20.85	20.83	20.67		
40	PI/2 BPSK	1	214	20.86	20.83	20.53		
40	PI/2 BPSK	108	0	20.89	20.68	20.65		
40	PI/2 BPSK	108	54	20.77	20.82	20.68	21.5	0.0
40	PI/2 BPSK	108	108	20.68	20.74	20.74	21.5	0.0
40	PI/2 BPSK	216	0	20.74	20.81	20.67		
40	QPSK	1	1	20.63	20.66	20.59		
40	QPSK	1	108	20.58	20.77	20.72		
40	QPSK	1	214	20.51	20.53	20.37	21.5	0.0
40	QPSK	108	0	20.69	20.70	20.57		
40	QPSK	108	54	20.60	20.73	20.67		
40	QPSK	108	108	20.56	20.67	20.50		
40	QPSK	216	0	20.57	20.61	20.47	21.5	0.0
40	16QAM	1	1	20.69	20.83	20.80	21.5	0.0
40	64QAM	1	1	20.39	20.57	20.51	21.5	0.0
40	256QAM	1	1	18.85	18.94	18.78	19.5	2.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	20.65	20.75	20.63	21.5	0.0
Channel				344000	349000	354000	Tune-up (APmAPi (dBm))	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	20.79	20.76	20.79	21.5	0.0
Channel				343500	349000	354500	Tune-up (APmAPi (dBm))	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	20.70	20.75	20.64	21.5	0.0
Channel				343000	349000	355000	Tune-up (APmAPi (dBm))	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	20.62	20.74	20.64	21.5	0.0
Channel				342500	349000	355500	Tune-up (APmAPi (dBm))	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	20.72	20.78	20.60	21.5	0.0

n38_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	22.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	21.55	21.55	21.58		
40	PI/2 BPSK	1	53	21.38	21.48	21.52		
40	PI/2 BPSK	1	104	21.35	21.57	21.42	22.5	0.0
40	PI/2 BPSK	50	0	21.31	21.57	21.32		
40	PI/2 BPSK	50	28	21.52	21.63	21.55		
40	PI/2 BPSK	50	56	21.38	21.57	21.41		
40	PI/2 BPSK	100	0	21.50	21.61	21.53	22.5	0.0
40	QPSK	1	1	21.22	21.40	21.27		
40	QPSK	1	53	21.20	21.38	21.32		
40	QPSK	1	104	21.41	21.50	21.30		
40	QPSK	50	0	21.15	21.29	21.12	22.5	0.0
40	QPSK	50	28	21.18	21.36	21.17		
40	QPSK	50	56	21.23	21.40	21.27		
40	QPSK	100	0	21.35	21.35	21.35		
40	16QAM	1	1	21.26	21.40	21.25	22.5	0.0
40	64QAM	1	1	20.13	20.15	20.04		
40	256QAM	1	1	18.94	19.00	18.80		
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	PI/2 BPSK	1	1	21.48	21.63	21.55	22.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	21.43	21.62	21.54	22.5	0.0

n78(Part 27Q)_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000		633332	20.5	0.0
Frequency (MHz)				3495		3499.98		
100	PI/2 BPSK	1	1	19.62				
100	PI/2 BPSK	1	137	19.58				
100	PI/2 BPSK	1	271	19.53			20.5	0.0
100	PI/2 BPSK	135	0	19.46				
100	PI/2 BPSK	135	69	19.60				
100	PI/2 BPSK	135	138	19.57				
100	PI/2 BPSK	270	0	19.59			20.5	0.0
100	QPSK	1	1	19.44				
100	QPSK	1	137	19.57				
100	QPSK	1	271	19.56				
100	QPSK	135	0	19.41			20.5	0.0
100	QPSK	135	69	19.44				
100	QPSK	135	138	19.50				
100	QPSK	270	0	19.39				
100	16QAM	1	1	19.43			20.5	0.0
100	64QAM	1	1	19.40				
100	256QAM	1	1	19.30				
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	19.57	19.50	19.55	20.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	19.48	19.40	19.50	20.5	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	19.56	19.43	19.54	20.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	19.60	19.51	19.40	20.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	19.49	19.60	19.47	20.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	19.55	19.45	19.48	20.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	19.56	19.60	19.58	20.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	19.57	19.56	19.50	20.5	0.0

n78(Part 27Q) HPUE_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1		19.62		20.5	0.0
100	PI/2 BPSK	1	137		19.58			
100	PI/2 BPSK	1	271		19.53			
100	PI/2 BPSK	135	0		19.46		20.5	0.0
100	PI/2 BPSK	135	69		19.60		20.5	0.0
100	PI/2 BPSK	135	138		19.57		20.5	0.0
100	PI/2 BPSK	270	0		19.59			
100	QPSK	1	1		19.44			
100	QPSK	1	137		19.57		20.5	0.0
100	QPSK	1	271		19.56			
100	QPSK	135	0		19.41			
100	QPSK	135	69		19.44		20.5	0.0
100	QPSK	135	138		19.50			
100	QPSK	270	0		19.39			
100	16QAM	1	1		19.43		20.5	0.0
100	64QAM	1	1		19.40		20.5	0.0
100	256QAM	1	1		19.30		20.5	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	19.57	19.50	19.55	20.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	19.48	19.40	19.59	20.5	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	19.56	19.43	19.54	20.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3513.99		
60	PI/2 BPSK	1	1	19.60	19.51	19.49	20.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	19.49	19.60	19.47	20.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	19.55	19.45	19.48	20.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	19.56	19.60	19.58	20.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	19.57	19.56	19.50	20.5	0.0

n78(Part 27Q)_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	17.60			18.5	0.0
100	PI/2 BPSK	1	137	17.45				
100	PI/2 BPSK	1	271	17.47				
100	PI/2 BPSK	135	0	17.39			18.5	0.0
100	PI/2 BPSK	135	69	17.58			18.5	0.0
100	PI/2 BPSK	135	138	17.56			18.5	0.0
100	PI/2 BPSK	270	0	17.56				
100	QPSK	1	1	17.49				
100	QPSK	1	137	17.33			18.5	0.0
100	QPSK	1	271	17.53				
100	QPSK	135	0	17.34				
100	QPSK	135	69	17.31			18.5	0.0
100	QPSK	135	138	17.51				
100	QPSK	270	0	17.59				
100	16QAM	1	1	17.40			18.5	0.0
100	64QAM	1	1	17.46			18.5	0.0
100	256QAM	1	1	17.45			18.5	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	17.12	17.37	17.28	18.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	17.39	17.33	17.52	18.5	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	17.29	17.22	17.47	18.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3513.99		
60	PI/2 BPSK	1	1	17.13	17.33	17.38	18.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	17.18	17.26	17.54	18.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	17.15	17.30	17.52	18.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	17.20	17.47	17.31	18.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	17.34	17.20	17.47	18.5	0.0

n78(Part 27Q) HPUE_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	17.12				
100	PI/2 BPSK	1	137	17.45			18.5	0.0
100	PI/2 BPSK	1	271	17.47				
100	PI/2 BPSK	135	0	17.39			18.5	0.0
100	PI/2 BPSK	135	69	17.58			18.5	0.0
100	PI/2 BPSK	135	138	17.56			18.5	0.0
100	PI/2 BPSK	270	0	17.58				
100	QPSK	1	1	17.49				
100	QPSK	1	137	17.33			18.5	0.0
100	QPSK	1	271	17.53				
100	QPSK	135	0	17.34				
100	QPSK	135	69	17.31			18.5	0.0
100	QPSK	135	138	17.51				
100	QPSK	270	0	17.59			18.5	0.0
100	16QAM	1	1	17.40			18.5	0.0
100	64QAM	1	1	17.46			18.5	0.0
100	256QAM	1	1	17.45			18.5	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	17.12	17.37	17.28	18.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	17.39	17.33	17.52	18.5	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	17.29	17.22	17.47	18.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	17.13	17.33	17.38	18.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	17.18	17.26	17.54	18.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	17.15	17.30	17.52	18.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	17.20	17.47	17.31	18.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	17.34	17.20	17.47	18.5	0.0

n78(Part 27Q)_Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	22.54				
100	PI/2 BPSK	1	137	22.51			23.5	0.0
100	PI/2 BPSK	1	271	22.53				
100	PI/2 BPSK	135	0	22.49			23.5	0.0
100	PI/2 BPSK	135	69	22.52			23.5	0.0
100	PI/2 BPSK	135	138	22.47			23.5	0.0
100	PI/2 BPSK	270	0	22.50				
100	QPSK	1	1	22.42				
100	QPSK	1	137	22.48			23.5	0.0
100	QPSK	1	271	22.52				
100	QPSK	135	0	22.43				
100	QPSK	135	69	22.48			23.5	0.0
100	QPSK	135	138	22.46				
100	QPSK	270	0	22.36			23.0	0.5
100	16QAM	1	1	22.46			23.0	0.5
100	64QAM	1	1	22.37			21.5	2.0
100	256QAM	1	1	21.47			19.5	4.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	22.44	22.47	22.53	23.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	22.40	22.38	22.49	23.5	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	22.48	22.44	22.49	23.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	22.37	22.49	22.48	23.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	22.42	22.51	22.47	23.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	22.47	22.38	22.46	23.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	22.37	22.51	22.43	23.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	22.52	22.39	22.45	23.5	0.0

n78(Part 27Q) HPUE_Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633332			
Frequency (MHz)					3499.98			
100	PI/2 BPSK	1	1		22.44			
100	PI/2 BPSK	1	137		22.51		23.5	0.0
100	PI/2 BPSK	1	271		22.53			
100	PI/2 BPSK	135	0		22.49		23.5	0.0
100	PI/2 BPSK	135	69		22.52		23.5	0.0
100	PI/2 BPSK	135	138		22.47		23.5	0.0
100	PI/2 BPSK	270	0		22.50			
100	QPSK	1	1		22.42			
100	QPSK	1	137		22.49		23.5	0.0
100	QPSK	1	271		22.52			
100	QPSK	135	0		22.43			
100	QPSK	135	69		22.48		23.5	0.0
100	QPSK	135	138		22.46			
100	QPSK	270	0		22.46		23.5	0.0
100	16QAM	1	1		22.46		23.5	0.0
100	64QAM	1	1		22.37		23.5	0.0
100	256QAM	1	1		21.47		22.5	1.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	22.44	22.47	22.53	23.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.02	3499.98	3510		
80	PI/2 BPSK	1	1	22.40	22.38	22.49	23.5	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	22.48	22.44	22.49	23.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3510.99		
60	PI/2 BPSK	1	1	22.37	22.49	22.48	23.5	0.0
Channel				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	22.42	22.51	22.47	23.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	22.47	22.58	22.46	23.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	22.37	22.51	22.43	23.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	22.52	22.39	22.45	23.5	0.0



Reduced Power DSI4

n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	24.0	0.0	
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	23.08	23.29	23.12			
20	PI/2 BPSK	1	53	23.06	23.17	23.03			
20	PI/2 BPSK	1	104	23.05	23.13	22.93	23.5	0.5	
20	PI/2 BPSK	50	0	22.61	22.68	22.54			
20	PI/2 BPSK	50	28	23.09	23.16	23.02			
20	PI/2 BPSK	50	56	22.59	22.66	22.49			
20	PI/2 BPSK	100	0	22.63	22.68	22.53	24.0	0.0	
20	QPSK	1	1	23.09	23.16	23.02			
20	QPSK	1	53	23.07	23.20	22.87			
20	QPSK	1	104	23.11	23.13	22.88			
20	QPSK	50	0	22.12	22.17	22.04	23.0	1.0	
20	QPSK	50	28	23.07	23.17	23.05			
20	QPSK	50	56	22.03	22.13	21.89			
20	QPSK	100	0	22.11	22.20	22.05			
20	16QAM	1	1	22.02	22.07	22.05	21.5	2.5	
20	64QAM	1	1	20.57	20.55	20.13			
20	256QAM	1	1	18.84	18.89	18.70			
20	256QAM	1	1	18.84	18.89	18.70			
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	PI/2 BPSK	1	1	23.25	23.28	23.02	24.0	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1855	1880	1905			
10	PI/2 BPSK	1	1	23.12	23.23	22.94		24.0	
Channel				370500	376000	381500			
Frequency (MHz)				1852.5	1880	1907.5			
5	PI/2 BPSK	1	1	23.16	23.26	23.01			

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.11	23.19	23.02			
20	PI/2 BPSK	1	53	22.97	22.87	22.91			
20	PI/2 BPSK	1	104	22.87	22.76	22.81	23.5	0.5	
20	PI/2 BPSK	50	0	22.52	22.48	22.45			
20	PI/2 BPSK	50	28	22.93	22.94	22.91			
20	PI/2 BPSK	50	56	22.36	22.35	22.32			
20	PI/2 BPSK	100	0	22.47	22.48	22.46	24.0	0.0	
20	QPSK	1	1	22.89	23.03	22.91			
20	QPSK	1	53	22.77	22.92	22.77			
20	QPSK	1	104	22.66	22.77	22.62			
20	QPSK	50	0	21.79	21.95	21.84	23.0	1.0	
20	QPSK	50	28	22.76	22.88	22.76			
20	QPSK	50	56	21.68	21.84	21.78			
20	QPSK	100	0	21.89	21.97	21.82			
20	16QAM	1	1	22.05	22.21	22.05	23.0	1.0	
20	64QAM	1	1	20.18	20.23	20.17			
20	256QAM	1	1	18.66	18.76	18.65			
20	256QAM	1	1	18.66	18.76	18.65			
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	PI/2 BPSK	1	1	23.07	23.18	23.01	24.0	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	PI/2 BPSK	1	1	23.04	22.89	22.96		24.0	
Channel				165300	167300	168300			
Frequency (MHz)				826.5	836.5	846.5			
5	PI/2 BPSK	1	1	23.11	23.02	22.96			

n7_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000	24.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	23.43	23.49	23.24	24.0	0.0	
40	PI/2 BPSK	1	108	23.44	23.33	23.23			
40	PI/2 BPSK	1	214	23.35	23.29	23.12			
40	PI/2 BPSK	108	0	23.01	22.82	22.84	23.5	0.5	
40	PI/2 BPSK	108	54	23.12	23.13	23.11	24.0	0.0	
40	PI/2 BPSK	108	108	22.84	22.93	22.83	23.5	0.5	
40	PI/2 BPSK	216	0	22.85	22.89	22.88	24.0	0.0	
40	QPSK	1	1	23.39	23.46	23.37			
40	QPSK	1	108	23.05	23.14	22.96			
40	QPSK	1	214	23.21	23.31	23.19	23.0	1.0	
40	QPSK	108	0	22.30	22.38	22.22			
40	QPSK	108	54	23.00	23.07	22.97			
40	QPSK	108	108	22.25	22.41	22.32	23.0	1.0	
40	QPSK	216	0	22.22	22.38	22.22	23.0	1.0	
40	16QAM	1	1	22.28	22.39	22.31			
40	64QAM	1	1	20.57	20.66	20.61			
40	256QAM	1	1	19.25	19.38	19.32	19.5	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	24.0	0.0	
30	PI/2 BPSK	1	1	23.48	23.38	23.25	24.0	0.0	
Channel				502500	507000	511500	Power up (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	24.0	0.0	
25	PI/2 BPSK	1	1	23.36	23.26	23.28	24.0	0.0	
Channel				502000	507000	512000	Power up (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	24.0	0.0	
20	PI/2 BPSK	1	1	23.22	23.06	23.05	24.0	0.0	
Channel				501500	507000	512500	Power up (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.0	0.0	
15	PI/2 BPSK	1	1	23.16	23.12	22.97	24.0	0.0	
Channel				501000	507000	513000	Power up (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.0	0.0	
10	PI/2 BPSK	1	1	23.33	23.22	23.19	24.0	0.0	
Channel				500500	507000	513500	Power up (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.0	0.0	
5	PI/2 BPSK	1	1	23.37	23.14	23.07	24.0	0.0	

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000	24.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	22.93	22.84	22.79	24.0	0.0	
40	PI/2 BPSK	1	108	22.90	22.75	22.81			
40	PI/2 BPSK	1	214	22.88	22.81	22.73			
40	PI/2 BPSK	108	0	22.78	22.73	22.75	23.5	0.5	
40	PI/2 BPSK	108	54	22.75	22.83	22.74	24.0	0.0	
40	PI/2 BPSK	108	108	22.81	22.81	22.65	23.5	0.5	
40	PI/2 BPSK	216	0	22.83	22.84	22.79	24.0	0.0	
40	QPSK	1	1	22.45	22.59	22.54			
40	QPSK	1	108	22.85	22.91	22.84			
40	QPSK	1	214	22.84	22.91	22.76	23.0	1.0	
40	QPSK	108	0	21.51	21.63	21.57			
40	QPSK	108	54	22.67	22.75	22.65			
40	QPSK	108	108	22.26	22.40	22.30	23.0	1.0	
40	QPSK	216	0	22.20	22.34	22.18	23.0	1.0	
40	16QAM	1	1	21.15	21.29	21.17			
40	64QAM	1	1	20.02	20.12	20.03			
40	256QAM	1	1	18.88	19.02	18.96	19.5	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	24.0	0.0	
30	PI/2 BPSK	1	1	22.92	22.80	22.88	24.0	0.0	
Channel				502500	507000	511500	Power up (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	24.0	0.0	
25	PI/2 BPSK	1	1	22.92	22.87	22.85	24.0	0.0	
Channel				502000	507000	512000	Power up (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	24.0	0.0	
20	PI/2 BPSK	1	1	22.78	22.66	22.69	24.0	0.0	
Channel				501500	507000	512500	Power up (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.0	0.0	
15	PI/2 BPSK	1	1	22.73	22.62	22.65	24.0	0.0	
Channel				501000	507000	513000	Power up (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.0	0.0	
10	PI/2 BPSK	1	1	22.86	22.81	22.69	24.0	0.0	
Channel				500500	507000	513500	Power up (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.0	0.0	
5	PI/2 BPSK	1	1	22.84	22.83	22.75	24.0	0.0	

n66_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	23.40	23.45	23.28	24.0	0.0	
40	PI/2 BPSK	1	188	23.31	23.35	23.24			
40	PI/2 BPSK	1	214	23.34	23.27	23.11			
40	PI/2 BPSK	108	0	22.76	22.74	22.74	23.5	0.5	
40	PI/2 BPSK	108	54	23.22	23.23	23.19	24.0	0.0	
40	PI/2 BPSK	108	108	22.88	22.78	22.69	23.5	0.5	
40	PI/2 BPSK	216	0	22.77	22.81	22.70			
40	QPSK	1	1	23.17	23.26	23.17			
40	QPSK	1	188	23.14	23.25	23.23	24.0	0.0	
40	QPSK	1	214	23.13	23.24	23.10			
40	QPSK	108	0	22.12	22.26	22.16	23.0	1.0	
40	QPSK	108	54	23.11	23.21	23.15	24.0	0.0	
40	QPSK	108	108	22.16	22.29	22.16	23.0	1.0	
40	QPSK	216	0	22.17	22.25	22.17			
40	16QAM	1	1	22.15	22.23	22.09	23.0	1.0	
40	64QAM	1	1	20.44	20.49	20.36	21.5	2.5	
40	256QAM	1	1	18.53	18.69	18.58	19.5	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	23.37	23.33	23.34	24.0	0.0	
Channel				344000	349000	354000	Full-ramp IAPmAPI (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	23.45	23.25	23.16	24.0	0.0	
Channel				343500	349000	354500	Full-ramp IAPmAPI (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	23.38	23.36	23.19	24.0	0.0	
Channel				343000	349000	355000	Full-ramp IAPmAPI (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PI/2 BPSK	1	1	23.31	23.32	23.09	24.0	0.0	
Channel				342500	349000	355500	Full-ramp IAPmAPI (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	23.22	23.41	23.09	24.0	0.0	



n38_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	24.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.17	23.29	23.17			
40	PI/2 BPSK	1	53	23.20	23.19	23.26			
40	PI/2 BPSK	1	104	23.21	23.15	23.19	23.5	0.5	
40	PI/2 BPSK	50	0	22.66	22.66	22.71			
40	PI/2 BPSK	50	28	23.22	23.28	23.27			
40	PI/2 BPSK	50	56	22.76	22.78	22.75			
40	PI/2 BPSK	100	0	22.74	22.76	22.67	24.0	0.0	
40	QPSK	1	1	23.01	23.11	22.98			
40	QPSK	1	53	23.06	23.17	23.04			
40	QPSK	1	104	23.26	23.12	23.16			
40	QPSK	50	0	22.04	22.17	22.03	24.0	0.0	
40	QPSK	50	28	23.08	23.16	23.07			
40	QPSK	50	56	22.17	22.25	22.09			
40	QPSK	100	0	22.05	22.17	22.02			
40	16QAM	1	1	22.22	22.29	22.15	23.0	1.0	
40	64QAM	1	1	20.13	20.23	20.17	21.5	2.5	
40	256QAM	1	1	18.90	19.01	18.89	19.5	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	PI/2 BPSK	1	1	23.18	23.13	23.18	24.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	PI/2 BPSK	1	1	23.16	23.16	23.03	24.0	0.0	

n78(Part 27Q)_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000		633332	24.0	0.0	
Frequency (MHz)				3495		3499.98			
100	PI/2 BPSK	1	1	23.12		23.31			
100	PI/2 BPSK	1	137	23.31		23.23			
100	PI/2 BPSK	1	271	23.23		23.21	23.5	0.5	
100	PI/2 BPSK	135	0	23.21		23.25			
100	PI/2 BPSK	135	69	23.25		23.17			
100	PI/2 BPSK	135	138	23.17		23.27			
100	PI/2 BPSK	270	0	23.35		23.35	24.0	0.0	
100	QPSK	1	1	23.35		23.35			
100	QPSK	1	137	23.35		23.33			
100	QPSK	1	271	23.33		23.27			
100	QPSK	135	0	23.27		23.28	24.0	0.0	
100	QPSK	135	69	23.28		23.11			
100	QPSK	135	138	23.11		21.75			
100	QPSK	270	0	21.75		21.91			
100	16QAM	1	1	21.91		21.9	23.0	1.0	
100	64QAM	1	1	21.19		21.25	21.5	2.5	
100	256QAM	1	1	19.34		19.5	19.5	4.5	
Channel				633000		633332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495		3504.99			
90	PI/2 BPSK	1	1	23.28	23.30	23.34	24.0	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3499.98	3510			
80	PI/2 BPSK	1	1	23.35	23.31	23.26	24.0	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	PI/2 BPSK	1	1	23.36	23.36	23.28	24.0	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	PI/2 BPSK	1	1	23.27	23.27	23.29	24.0	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	PI/2 BPSK	1	1	23.33	23.28	23.32	24.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	PI/2 BPSK	1	1	23.30	23.36	23.28	24.0	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	PI/2 BPSK	1	1	23.27	23.28	23.33	24.0	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	PI/2 BPSK	1	1	23.27	23.28	23.26	24.0	0.0	

n78(Part 27Q) HPUE_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			27.0	0.0
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1		26.17		27.0	0.0
100	PI/2 BPSK	1	137		26.11			
100	PI/2 BPSK	1	271		26.02			
100	PI/2 BPSK	135	0		25.05		26.5	0.5
100	PI/2 BPSK	135	69		26.03		27.0	0.0
100	PI/2 BPSK	135	138		24.94		26.5	0.5
100	PI/2 BPSK	270	0		25.07			
100	QPSK	1	1		25.52		27.0	0.0
100	QPSK	1	137		26.10			
100	QPSK	1	271		26.08			
100	QPSK	135	0		25.21		27.0	0.0
100	QPSK	135	69		26.06			
100	QPSK	135	138		25.23			
100	QPSK	270	0		24.51		26.0	1.0
100	16QAM	1	1		24.57		26.0	1.0
100	64QAM	1	1		22.93		24.5	2.5
100	256QAM	1	1		21.17		22.5	4.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	26.04	26.04	26.08	27.0	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	26.09	26.07	26.09	27.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	26.11	26.11	26.02	27.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	26.05	26.08	26.09	27.0	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	26.11	26.08	26.10	27.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	26.07	26.03	26.06	27.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	26.05	26.04	26.10	27.0	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	26.04	26.03	26.01	27.0	0.0

n78(Part 27Q)_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			3499.98	
Frequency (MHz)				25.17				
100	PI/2 BPSK	1	1		17.60		18.5	0.0
100	PI/2 BPSK	1	137		17.45			
100	PI/2 BPSK	1	271		17.47			
100	PI/2 BPSK	135	0		17.39		18.5	0.0
100	PI/2 BPSK	135	69		17.58		18.5	0.0
100	PI/2 BPSK	135	138		17.56		18.5	0.0
100	PI/2 BPSK	270	0		17.56			
100	QPSK	1	1		17.48		18.5	0.0
100	QPSK	1	137		17.33			
100	QPSK	1	271		17.53			
100	QPSK	135	0		17.34		18.5	0.0
100	QPSK	135	69		17.31			
100	QPSK	135	138		17.51			
100	QPSK	270	0		17.59		18.5	0.0
100	16QAM	1	1		17.40		18.5	0.0
100	64QAM	1	1		17.46		18.5	0.0
100	256QAM	1	1		17.45		18.5	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	17.12	17.37	17.28	18.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	17.30	17.33	17.52	18.5	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	17.29	17.22	17.47	18.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3518.99		
60	PI/2 BPSK	1	1	17.13	17.33	17.38	18.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	17.18	17.26	17.54	18.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	17.15	17.30	17.52	18.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	17.20	17.47	17.31	18.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	17.34	17.20	17.47	18.5	0.0

n78(Part 27Q) HPUE_Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				633332			
Frequency (MHz)				3499.98			
100	PI/2 BPSK	1	1	17.60			
100	PI/2 BPSK	1	137	17.45		18.5	0.0
100	PI/2 BPSK	1	271	17.47			
100	PI/2 BPSK	135	0	17.39		18.5	0.0
100	PI/2 BPSK	135	69	17.58		18.5	0.0
100	PI/2 BPSK	135	138	17.56		18.5	0.0
100	PI/2 BPSK	270	0	17.58			
100	QPSK	1	1	17.49			
100	QPSK	1	137	17.33		18.5	0.0
100	QPSK	1	271	17.53			
100	QPSK	135	0	17.34			
100	QPSK	135	69	17.31		18.5	0.0
100	QPSK	135	138	17.51			
100	QPSK	270	0	17.59		18.5	0.0
100	16QAM	1	1	17.40		18.5	0.0
100	64QAM	1	1	17.46		18.5	0.0
100	256QAM	1	1	17.45		18.5	0.0
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.12	17.37	17.28	18.5 0.0
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	17.39	17.33	17.52	18.5 0.0
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	17.29	17.22	17.47	18.5 0.0
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3518.99	
60	PI/2 BPSK	1	1	17.13	17.33	17.38	18.5 0.0
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.18	17.26	17.54	18.5 0.0
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	17.15	17.30	17.52	18.5 0.0
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.20	17.47	17.31	18.5 0.0
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.34	17.20	17.47	18.5 0.0

n78(Part 27Q)_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				633332			
Frequency (MHz)				3499.98			
100	PI/2 BPSK	1	1	23.08			
100	PI/2 BPSK	1	137	23.03		24.0	0.0
100	PI/2 BPSK	1	271	23.00			
100	PI/2 BPSK	135	0	22.99		23.5	0.5
100	PI/2 BPSK	135	69	23.03		24.0	0.0
100	PI/2 BPSK	135	138	23.02		23.5	0.5
100	PI/2 BPSK	270	0	22.96			
100	QPSK	1	1	22.98			
100	QPSK	1	137	22.98		24.0	0.0
100	QPSK	1	271	22.62			
100	QPSK	135	0	22.57			
100	QPSK	135	69	22.56		24.0	0.0
100	QPSK	135	138	22.58			
100	QPSK	270	0	22.60		23.0	1.0
100	16QAM	1	1	22.18		23.0	1.0
100	64QAM	1	1	21.35		21.5	2.5
100	256QAM	1	1	19.94		19.5	4.5
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.60	23.01	22.68	24.0 0.0
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.60	22.94	22.60	24.0 0.0
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.55	22.99	22.61	24.0 0.0
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3518.99	
60	PI/2 BPSK	1	1	22.55	22.98	22.61	24.0 0.0
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.49	22.97	22.63	24.0 0.0
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.61	23.02	22.62	24.0 0.0
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.57	22.91	22.67	24.0 0.0
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.57	22.93	22.65	24.0 0.0

n78(Part 27Q) HPUE_Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			27.0	0.0
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	25.81			27.0	0.0
100	PI/2 BPSK	1	137	25.78				
100	PI/2 BPSK	1	271	25.71			26.5	0.5
100	PI/2 BPSK	135	0	24.84				
100	PI/2 BPSK	135	69	25.74			27.0	0.0
100	PI/2 BPSK	135	138	24.80				
100	PI/2 BPSK	270	0	24.83			26.5	0.5
100	QPSK	1	1	25.54				
100	QPSK	1	137	25.38			27.0	0.0
100	QPSK	1	271	25.50				
100	QPSK	135	0	25.21			27.0	0.0
100	QPSK	135	69	25.42				
100	QPSK	135	138	25.32			26.0	1.0
100	QPSK	270	0	24.27				
100	16QAM	1	1	24.01			24.5	2.5
100	64QAM	1	1	22.52				
100	256QAM	1	1	20.59			22.5	4.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	25.21	25.67	25.34	27.0	0.0
Channel				632666	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3492.02	3499.98	3510		
80	PI/2 BPSK	1	1	25.26	25.63	25.35	27.0	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	25.27	25.61	25.33	27.0	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	25.29	25.60	25.31	27.0	0.0
Channel				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	25.30	25.62	25.34	27.0	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	25.28	25.67	25.40	27.0	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	25.27	25.62	25.37	27.0	0.0
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	25.27	25.73	25.30	27.0	0.0

n78(Part 27Q)_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332		22.5	0.0
Frequency (MHz)				3495	3499.98			
100	PI/2 BPSK	1	1	21.19			22.5	0.0
100	PI/2 BPSK	1	137	21.15				
100	PI/2 BPSK	1	271	21.09			22.5	0.0
100	PI/2 BPSK	135	0	21.15				
100	PI/2 BPSK	135	69	21.18			22.5	0.0
100	PI/2 BPSK	135	138	21.05				
100	PI/2 BPSK	270	0	21.16			22.5	0.0
100	QPSK	1	1	21.12				
100	QPSK	1	137	21.14			22.5	0.0
100	QPSK	1	271	21.07				
100	QPSK	135	0	21.12			22.5	0.0
100	QPSK	135	69	21.17				
100	QPSK	135	138	21.05			22.5	0.0
100	QPSK	270	0	21.08				
100	16QAM	1	1	21.14			21.5	1.0
100	64QAM	1	1	19.95				
100	256QAM	1	1	18.35			19.5	3.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	21.14	21.15	21.17	22.5	0.0
Channel				632666	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	20.97	21.13	21.04	22.5	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	21.12	21.05	21.08	22.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	20.98	21.09	21.04	22.5	0.0
Channel				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	21.10	21.13	21.02	22.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	21.07	20.99	21.10	22.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	20.94	21.15	21.07	22.5	0.0
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	21.10	21.15	21.17	22.5	0.0



n78(Part 27Q) HPUE_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			22.5	0.0
Frequency (MHz)				3499.98				
100	PI/2 BPSK	1	1	21.19				
100	PI/2 BPSK	1	137	21.15				
100	PI/2 BPSK	1	271	21.09				
100	PI/2 BPSK	135	0	21.15			22.5	0.0
100	PI/2 BPSK	135	69	21.18			22.5	0.0
100	PI/2 BPSK	135	138	21.05			22.5	0.0
100	PI/2 BPSK	270	0	21.16				
100	QPSK	1	1	21.12				
100	QPSK	1	137	21.14			22.5	0.0
100	QPSK	1	271	21.07				
100	QPSK	135	0	21.12			22.5	0.0
100	QPSK	135	69	21.17				
100	QPSK	135	138	21.05				
100	QPSK	270	0	21.08			22.5	0.0
100	16QAM	1	1	21.14			22.5	0.0
100	64QAM	1	1	20.80			22.5	0.0
100	256QAM	1	1	20.15			20.5	2.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	PI/2 BPSK	1	1	21.14	21.15	21.17	22.5	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	PI/2 BPSK	1	1	20.97	21.13	21.04	22.5	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	PI/2 BPSK	1	1	21.12	21.05	21.08	22.5	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	PI/2 BPSK	1	1	20.98	21.06	21.04	22.5	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	PI/2 BPSK	1	1	21.10	21.13	21.02	22.5	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	PI/2 BPSK	1	1	21.07	20.99	21.10	22.5	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	PI/2 BPSK	1	1	20.94	21.15	21.07	22.5	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	PI/2 BPSK	1	1	21.10	21.15	21.17	22.5	0.0

WIFI/Bluetooth power

2.4GHz WLAN Ant 3			Default Power Table			At-Head Power Table Standalone WLAN		At-Head Power Table Simultaneous WLAN+WWAN		Body-Worn Power Table Standalone WLAN		Handheld power table Standalone WLAN		Handheld power table Simultaneous WLAN+WWAN		Body-Worn Power Table Simultaneous WLAN+WWAN MHS (Mobile Hotspot) Power Table		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	19.20	21.00	17.80	19.50	14.50	16.00	18.80	20.50	19.20	21.00	15.40	17.00	15.40	17.00	99.30
		6	2437	19.40	21.00	17.90	19.50	14.60	16.00	18.90	20.50	19.40	21.00	15.50	17.00	15.50	17.00	
		11	2462	18.70	20.50	17.60	19.50	14.20	16.00	18.70	20.50	18.70	20.50	14.70	17.00	14.70	17.00	
	802.11g 6Mbps	1	2412	17.70	19.50	17.70	19.50		16.00		19.50		19.50		17.00		17.00	98.26
		6	2437	17.90	19.50	17.90	19.50		16.00		19.50		19.50		17.00		17.00	
		11	2462	17.30	19.00	17.30	19.00		16.00		19.00		19.00		17.00		17.00	
	802.11n-HT20 MCS0	1	2412	16.40	18.00	16.40	18.00	Not Required	16.00	Not Required	18.00	Not Required	18.00	Not Required	17.00	Not Required	17.00	98.14
		6	2437	17.00	18.50	17.00	18.50		16.00		18.50		18.50		17.00		17.00	
		11	2462	16.40	18.00	16.40	18.00		16.00		18.00		18.00		17.00		17.00	
	802.11n-HT40 MCS0	3	2422	13.10	15.00	13.10	15.00		15.00		15.00		15.00		15.00		15.00	91.94
		6	2437	15.90	17.50	15.90	17.50		16.00		17.50		17.50		17.00		17.00	
		9	2452	13.60	15.50	13.60	15.50		15.50		15.50		15.50		15.50		15.50	

5.2GHz WLAN Ant 5				Default Power Table		At-Head Power Table Standalone WLAN		At-Head Power Table Simultaneous WLAN+WWAN		Body-Worn Power Table Standalone WLAN		Handheld power table Standalone WLAN		Handheld power table Simultaneous WLAN+WWAN		Body-Worn Power Table Simultaneous WLAN+WWAN MHS (Mobile Hotspot) Power Table		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.31	20.00	Not Required	18.50	Not Required	14.00	18.31	20.00	18.31	20.00	Not Required	17.50	Not Required	15.50	98.10
		40	5200	18.22	20.00		18.50		14.00	18.22	20.00	18.22	20.00		17.50		15.50	
		44	5220	18.00	19.50		18.50		14.00	18.00	19.50	18.00	19.50		17.50		15.50	
		48	5240	17.71	19.50		18.50		14.00	17.71	19.50	17.71	19.50		17.50		15.50	
	802.11n-HT20 MCS0	36	5180	17.98	19.50	Not Required	18.50	Not Required	14.00		19.50	19.50	Not Required	17.50	Not Required	15.50	97.96	
		40	5200	17.76	19.50		18.50			19.50	19.50	17.50		15.50				
		44	5220	17.80	19.50		18.50			19.50	19.50	17.50		15.50				
		48	5240	17.09	19.00		18.50			19.00	19.00	17.50		15.50				
	802.11n-HT40 MCS0	38	5190	15.28	17.00	Not Required	15.28	17.00	14.00		17.00	17.00	Not Required	15.28	17.00	Not Required	15.50	96.34
		46	5230	17.10	19.00		16.63	18.50		14.00		19.00		19.00	15.62	17.50	15.50	
	802.11ac-VHT20 MCS0	36	5180	17.05	19.00	Not Required	18.50	Not Required	14.00		19.00	19.00	Not Required	17.50	Not Required	15.50	98.22	
		40	5200	16.82	18.50		18.50			18.50	18.50	17.50		15.50				
		44	5220	16.73	18.50		18.50			18.50	18.50	17.50		15.50				
		48	5240	16.60	18.50		18.50			18.50	18.50	17.50		15.50				
	802.11ac-VHT40 MCS0	38	5190	15.25	17.00	Not Required	17.00	Not Required	14.00		17.00	17.00	Not Required	17.50	Not Required	15.50	96.36	
		46	5230	16.05	18.00		18.00			18.00	18.00	17.50		15.50				
	802.11ac-VHT80 MCS0	42	5210	13.88	15.50		15.50	12.44	14.00		15.50		15.50		15.50	13.88	15.50	92.81

5.3GHz WLAN Ant 5				Default Power Table		At-Head Power Table Standalone WLAN		At-Head Power Table Simultaneous WLAN+WWAN		Body-Worn Power Table Standalone WLAN		Body-Worn Power Table Simultaneous WLAN+WWAN		Handheld power table Standalone WLAN		Handheld power table Simultaneous WLAN+WWAN		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
5.3GHz WLAN	802.11a 6Mbps	52	5260	17.74	19.50		18.50		14.00	17.74	19.50		15.50	17.74	19.50		17.50	98.10	
		56	5280	17.54	19.50		18.50		14.00	17.54	19.50		15.50	17.54	19.50		17.50		
		60	5300	17.60	19.50		18.50		14.00	17.60	19.50		15.50	17.60	19.50		17.50		
		64	5320	17.40	19.00		18.50		14.00	17.40	19.00		15.50	17.40	19.00		17.50		
	802.11n-HT20 MCS0	52	5260	17.59	19.50	Not Required	18.50		14.00		19.50		15.50		19.50		17.50	97.96	
		56	5280	17.42	19.00		18.50		14.00		19.00		15.50		19.00		17.50		
		60	5300	17.45	19.00		18.50		14.00		19.00		15.50		19.00		17.50		
		64	5320	17.31	19.00		18.50		14.00		19.00		15.50		19.00		17.50		
	802.11n-HT40 MCS0	54	5270	16.93	18.50	Not Required	18.50		14.00		18.50		15.50		18.50	16.02	17.50	96.34	
		62	5310	14.22	16.00		14.22	16.00		14.00		16.00		15.50		16.00	14.22		16.00
	802.11ac-VHT20 MCS0	52	5260	16.64	18.50		18.50		14.00		18.50		15.50		18.50		17.50	98.22	
		56	5280	16.40	18.00		18.00		14.00		18.00		15.50		18.00		17.50		
		60	5300	16.42	18.00		18.00		14.00		18.00		15.50		18.00		17.50		
		64	5320	16.21	18.00	Not Required	18.00		14.00		18.00		15.50		18.00		17.50		
	802.11ac-VHT40 MCS0	54	5270	16.00	17.50			17.50		14.00		17.50		15.50		17.50		17.50	96.36
		62	5310	14.19	16.00			16.00		14.00		16.00		15.50		16.00		16.00	
	802.11ac-VHT80 MCS0	58	5290	15.04	17.00		17.00	12.22	14.00		17.00	13.63	15.50		17.00		17.00	92.81	

5.5GHz WLAN Ant 5					Default Power Table		At-Head Power Table Standalone WLAN		At-Head Power Table Simultaneous WLAN+WWAN		Body-Worn Power Table Standalone WLAN		Body-Worn Power Table Simultaneous WLAN+WWAN		Handheld power table Standalone WLAN		Handheld power table Simultaneous WLAN+WWAN		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.78	19.50		16.50		13.00	17.78	19.50		15.50	17.78	19.50		16.50		
		116	5580	18.13	20.00		16.50		13.00	18.13	20.00		15.50	18.13	20.00		16.50		
		132	5660	17.45	19.00		16.50		13.00	17.45	19.00		15.50	17.45	19.00		16.50		
		140	5700	17.35	19.00		16.50		13.00	17.35	19.00		15.50	17.35	19.00		16.50		
	802.11n-HT20 MCS0	100	5500	17.58	19.50		16.50		13.00		19.50		15.50		19.50		16.50		
		116	5580	17.95	19.50		16.50		13.00		19.50		15.50		19.50		16.50		
		132	5660	17.36	19.00		16.50		13.00		19.00		15.50		19.00		16.50		
		140	5700	17.17	19.00		16.50		13.00		19.00		15.50		19.00		16.50		
	802.11n-HT40 MCS0	102	5510	17.01	19.00	Not Required	16.50	Not Required	13.00		19.00	Not Required	15.50		19.00	Not Required	16.50		
		110	5550	17.20	19.00		16.50		13.00		19.00		15.50		19.00		16.50		
	802.11ac- VHT20 MCS0	134	5670	16.73	18.50		16.50		13.00		18.50		15.50		18.50		16.50		
		100	5500	16.63	18.50		16.50		13.00		18.50		15.50		18.50		16.50		
		116	5580	17.18	19.00		16.50		13.00		19.00		15.50		19.00		16.50		
		132	5660	16.42	18.00		16.50		13.00		18.00		15.50		18.00		16.50		
140		5700	16.29	18.00	16.50		13.00			18.00	15.50			18.00	16.50				
102		5510	16.13	18.00	16.50		13.00			18.00	15.50			18.00	16.50				
110		5550	16.40	18.00	16.50		13.00			18.00	15.50			18.00	16.50				
134		5670	15.88	17.50	16.50		13.00			17.50	15.50			17.50	16.50				
802.11ac- VHT80 MCS0	106	5530	15.50	17.00	15.03	16.50	11.27	13.00		17.00	14.09	15.50		17.00	15.03	16.50	92.81		

BT 2.0 Ant 3

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	10.10	10.10	10.20	8.20	8.20	8.30	8.00	8.00	8.10	12.00
	CH 39	2441	10.20	10.20	10.30	8.30	8.30	8.40	8.10	8.10	8.20	12.00
	CH 78	2480	9.70	9.70	9.80	7.70	7.70	7.80	7.60	7.60	7.70	11.50

BT 4.0 Ant 3

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			GFSK	
LE	CH 00	2402	11.00	
	CH 19	2440	10.70	
	CH 39	2480	9.90	
Tune-up Limit			12.5	

BT 5.0 Ant 3

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	11.00	10.90
	CH 19	2440	10.70	10.60
	CH 39	2480	9.90	9.80
Tune-up Limit			12.5	12.5