



Full&Default Power Mode

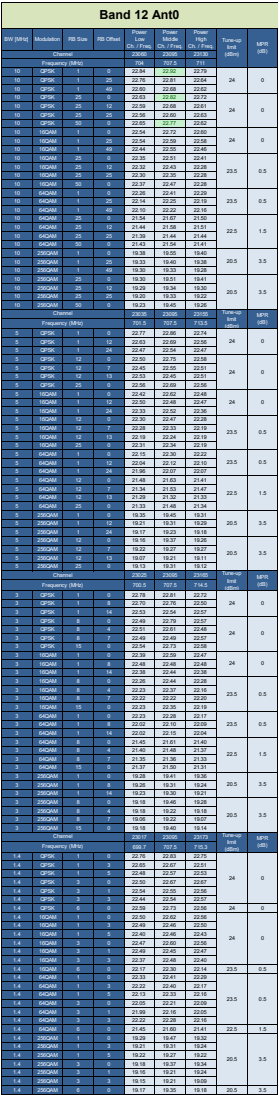
COSTAS A Ant									
COSTAS A		Back-Average Power (dBm)			Tx-Comp		Front-Average Power (dBm)		
TX Channel	128	180	261	Limit	128	180	261	Limit	
Frequency (MHz)	864.2	856.8	868.8	(dBm)	864.2	856.8	868.8	(dBm)	
OSM-1 Tx-Mix	32.90	32.97	32.84	33.50	23.80	23.97	23.84	24.50	
OPRS-1 Tx-Mix	12.83	12.90	12.81	13.50	23.83	23.94	23.95	24.50	
OPRS-2 Tx-Mix	29.30	29.41	29.28	30.50	23.30	23.41	23.28	24.50	
OPRS-3 Tx-Mix	28.91	28.95	28.86	30.00	24.81	24.72	24.80	25.50	
OPRS-4 Tx-Mix	26.41	26.41	26.40	27.50	23.41	23.41	23.40	24.50	
EDGE-1 Tx-Mix	25.40	25.40	25.37	26.50	18.40	18.40	18.37	17.50	
EDGE-2 Tx-Mix	23.77	23.80	23.79	25.00	17.77	17.80	17.79	16.50	
EDGE-3 Tx-Mix	22.88	22.89	22.82	23.50	18.40	18.40	18.38	19.24	
EDGE-4 Tx-Mix	20.50	20.50	20.50	21.50	17.50	17.50	17.50	18.00	
COSTAS B Ant									
COSTAS B		Back-Average Power (dBm)			Tx-Comp		Front-Average Power (dBm)		
TX Channel	512	983	810	Limit	512	983	810	Limit	
Frequency (MHz)	875.2	868	880	(dBm)	875.2	868	880	(dBm)	
OSM-1 Tx-Mix	27.41	27.50	27.57	28.50	18.41	18.50	18.53	19.50	
OPRS-1 Tx-Mix	27.84	27.83	27.88	28.50	18.84	18.83	18.88	19.50	
OPRS-2 Tx-Mix	24.84	24.84	24.83	26.50	18.84	18.83	18.88	19.50	
OPRS-3 Tx-Mix	25.33	25.30	25.33	26.50	19.07	19.11	19.07	20.04	
OPRS-4 Tx-Mix	20.70	20.70	20.68	21.50	17.70	17.75	17.68	18.50	
EDGE-1 Tx-Mix	22.70	22.67	22.73	23.50	13.70	13.67	13.73	14.50	
EDGE-2 Tx-Mix	21.00	21.00	21.11	22.00	16.00	16.00	16.11	16.50	
EDGE-3 Tx-Mix	20.07	20.12	20.04	21.00	15.81	15.90	15.76	16.74	
EDGE-4 Tx-Mix	17.86	18.00	18.04	19.00	14.96	15.09	15.04	16.00	
WCDMA II Ant									
WCDMA II		WCDMA II			WCDMA IV Ant		WCDMA IV		
TX Channel	5002	9400	9308	Turn-off Limit	1312	1410	1513	Turn-off Limit	
SA Channel	9602	9600	9308	(dBm)	1312	1410	1513	(dBm)	
Frequency (MHz)	1802.4	1800	1807.6		1712.4	1721.6	1752.8		
SCPP-PWR	22.07	22.02	22.53	22.00	22.30	22.47	22.58	22.00	21.43
SCPP-PWR	20.82	20.80	20.87	22.00	20.45	20.51	20.41	22.00	22.45
SCPP-PWR	19.72	19.75	19.70	21.00	19.59	19.66	19.50	21.00	21.55
SCPP-PWR	19.68	19.71	19.65	21.00	19.50	19.58	19.52	21.00	21.60
SCPP-PWR	19.19	19.20	19.23	20.50	19.00	19.11	19.08	20.50	21.61
SCPP-PWR	19.15	19.16	19.21	20.50	19.00	19.10	19.03	20.50	21.64
SCPP-PWR	19.70	19.69	19.84	21.00	19.54	19.68	19.48	21.00	21.55
SCPP-PWR	19.56	19.50	19.41	21.00	19.36	19.40	19.32	21.00	21.54
SCPP-PWR	19.08	19.10	19.05	20.50	19.02	19.03	19.09	20.50	20.95
SCPP-PWR	19.02	19.15	19.12	20.50	19.00	19.09	19.01	20.50	20.89
SCPP-PWR	19.06	19.71	19.70	21.00	19.05	19.03	19.61	21.00	21.61
SCPP-PWR	17.71	17.70	17.64	19.00	17.64	17.60	17.61	19.00	19.67
SCPP-PWR	19.60	19.71	19.70	20.00	19.52	19.58	19.58	20.00	20.50
SCPP-PWR	17.61	17.60	17.57	19.00	17.44	17.51	17.48	19.00	19.40
SCPP-PWR	19.04	19.60	19.52	21.00	19.53	19.48	19.38	21.00	21.55
SCPP-PWR	19.04	19.60	19.52	21.00	19.53	19.48	19.38	21.00	21.55
SCPP-PWR	19.04	19.60	19.52	21.00	19.53	19.48	19.38	21.00	21.55

Band 2 Ant0									
RF Band	Channel	FE Size	FE Config	Time Slot	Start Time	End Time	Power (dBm)	Power Spectral Density (dBm/MHz)	Antenna Gain (dBi)
Frequency (MHz)									
20	Q150	64	256	1	231.1	231.6	23.88	24	0
20	Q150	64	256	2	231.7	232.2	23.88	24	0
20	Q150	64	256	3	231.9	232.4	23.88	24	0
20	Q150	64	256	4	232.1	232.6	23.88	24	0
20	Q150	64	256	5	232.3	232.8	23.88	24	0
20	Q150	64	256	6	232.5	233.0	23.88	24	0
20	Q150	64	256	7	232.7	233.2	23.88	24	0
20	Q150	64	256	8	232.9	233.4	23.88	24	0
20	Q150	64	256	9	233.1	233.6	23.88	24	0
20	Q150	64	256	10	233.3	233.8	23.88	24	0
20	Q150	64	256	11	233.5	234.0	23.88	24	0
20	Q150	64	256	12	233.7	234.2	23.88	24	0
20	Q150	64	256	13	233.9	234.4	23.88	24	0
20	Q150	64	256	14	234.1	234.6	23.88	24	0
20	Q150	64	256	15	234.3	234.8	23.88	24	0
20	Q150	64	256	16	234.5	235.0	23.88	24	0
20	Q150	64	256	17	234.7	235.2	23.88	24	0
20	Q150	64	256	18	234.9	235.4	23.88	24	0
20	Q150	64	256	19	235.1	235.6	23.88	24	0
20	Q150	64	256	20	235.3	235.8	23.88	24	0
20	Q150	64	256	21	235.5	236.0	23.88	24	0
20	Q150	64	256	22	235.7	236.2	23.88	24	0
20	Q150	64	256	23	235.9	236.4	23.88	24	0
20	Q150	64	256	24	236.1	236.6	23.88	24	0
20	Q150	64	256	25	236.3	236.8	23.88	24	0
20	Q150	64	256	26	236.5	237.0	23.88	24	0
20	Q150	64	256	27	236.7	237.2	23.88	24	0
20	Q150	64	256	28	236.9	237.4	23.88	24	0
20	Q150	64	256	29	237.1	237.6	23.88	24	0
20	Q150	64	256	30	237.3	237.8	23.88	24	0
20	Q150	64	256	31	237.5	238.0	23.88	24	0
20	Q150	64	256	32	237.7	238.2	23.88	24	0
20	Q150	64	256	33	237.9	238.4	23.88	24	0
20	Q150	64	256	34	238.1	238.6	23.88	24	0
20	Q150	64	256	35	238.3	238.8	23.88	24	0
20	Q150	64	256	36	238.5	239.0	23.88	24	0
20	Q150	64	256	37	238.7	239.2	23.88	24	0
20	Q150	64	256	38	238.9	239.4	23.88	24	0
20	Q150	64	256	39	239.1	239.6	23.88	24	0
20	Q150	64	256	40	239.3	239.8	23.88	24	0
20	Q150	64	256	41	239.5	240.0	23.88	24	0
20	Q150	64	256	42	239.7	240.2	23.88	24	0
20	Q150	64	256	43	239.9	240.4	23.88	24	0
20	Q150	64	256	44	240.1	240.6	23.88	24	0
20	Q150	64	256	45	240.3	240.8	23.88	24	0
20	Q150	64	256	46	240.5	241.0	23.88	24	0
20	Q150	64	256	47	240.7	241.2	23.88	24	0
20	Q150	64	256	48	240.9	241.4	23.88	24	0
20	Q150	64	256	49	241.1	241.6	23.88	24	0
20	Q150	64	256	50	241.3	241.8	23.88	24	0
20	Q150	64	256	51	241.5	242.0	23.88	24	0
20	Q150	64	256	52	241.7	242.2	23.88	24	0
20	Q150	64	256	53	241.9	242.4	23.88	24	0
20	Q150	64	256	54	242.1	242.6	23.88	24	0
20	Q150	64	256	55	242.3	242.8	23.88	24	0
20	Q150	64	256	56	242.5	243.0	23.88	24	0
20	Q150	64	256	57	242.7	243.2	23.88	24	0
20	Q150	64	256	58	242.9	243.4	23.88	24	0
20	Q150	64	256	59	243.1	243.6	23.88	24	0
20	Q150	64	256	60	243.3	243.8	23.88	24	0
20	Q150	64	256	61	243.5	244.0	23.88	24	0
20	Q150	64	256	62	243.7	244.2	23.88	24	0
20	Q150	64	256	63	243.9	244.4	23.88	24	0
20	Q150	64	256	64	244.1	244.6	23.88	24	0
20	Q150	64	256	65	244.3	244.8	23.88	24	0
20	Q150	64	256	66	244.5	245.0	23.88	24	0
20	Q150	64	256	67	244.7	245.2	23.88	24	0
20	Q150	64	256	68	244.9	245.4	23.88	24	0
20	Q150	64	256	69	245.1	245.6	23.88	24	0
20	Q150	64	256	70	245.3	245.8	23.88	24	0
20	Q150	64	256	71	245.5	246.0	23.88	24	0
20	Q150	64	256	72	245.7	246.2	23.88	24	0
20	Q150	64	256	73	245.9	246.4	23.88	24	0
20	Q150	64	256	74	246.1	246.6	23.88	24	0
20	Q150	64	256	75	246.3	246.8	23.88	24	0
20	Q150	64	256	76	246.5	247.0	23.88	24	0
20	Q150	64	256	77	246.7	247.2	23.88	24	0
20	Q150	64	256	78	246.9	247.4	23.88	24	0
20	Q150	64	256	79	247.1	247.6	23.88	24	0
20	Q150	64	256	80	247.3	247.8	23.88	24	0
20	Q150	64	256	81	247.5	248.0	23.88	24	0
20	Q150	64	256	82	247.7	248.2	23.88	24	0
20	Q150	64	256	83	247.9	248.4	23.88	24	0
20	Q150	64	256	84	248.1	248.6	23.88	24	0
20	Q150	64	256	85	248.3	248.8	23.88	24	0
20	Q150	64	256	86	248.5	249.0	23.88	24	0
20	Q150	64	256	87	248.7	249.2	23.88	24	0
20	Q150	64	256	88	248.9	249.4	23.88	24	0
20	Q150	64	256	89	249.1	249.6	23.88	24	0
20	Q150	64	256	90	249.3	249.8	23.88	24	0
20	Q150	64	256	91	249.5	250.0	23.88	24	0
20	Q150	64	256	92	249.7	250.2	23.88	24	0
20	Q150	64	256	93	249.9	250.4	23.88	24	0
20	Q150	64	256	94	250.1	250.6	23.88	24	0
20	Q150	64	256	95	250.3	250.8	23.88	24	0
20	Q150	64	256	96	250.5	251.0	23.88	24	0
20	Q150	64	256	97	250.7	251.2	23.88	24	0
20	Q150	64	256	98	250.9	251.4	23.88	24	0
20	Q150	64	256	99	251.1	251.6	23.88	24	0
20	Q150	64	256	100	251.3	251.8	23.88	24	0
20	Q150	64	256	101	251.5	252.0	23.88	24	0
20	Q150	64	256	102	251.7	252.2	23.88	24	0
20	Q150	64	256	103	251.9	252.4	23.88	24	0
20	Q150	64	256	104	252.1	252.6	23.88	24	0
20	Q150	64	256	105	252.3	252.8	23.88	24	0
20	Q150	64	256	106	252.5	253.0	23.88	24	0
20	Q150	64	256	107	252.7	253.2	23.88	24	0
20	Q150	64	256	108	252.9	253.4	23.88	24	0
20	Q150	64	256	109	253.1	253.6	23.88	24	0
20	Q150	64	256	110	253.3	253.8	23.88	24	0
20	Q150	64	256	111	253.5	254.0	23.88	24	0
20	Q150	64	256	112	253.7	254.2	23.88	24	0
20	Q150	64	256	113	253.9	254.4	23.88	24	0
20	Q150	64	256	114	254.1	254.6	23.88	24	0
20	Q150	64	256	115	254.3	254.8	23.88	24	0
20	Q150	64	256	116	254.5	255.0	23.88	24	0
20	Q150	64	256	117	254.7	255.2	23.88	24	0
20	Q150	64	256	118	254.9	255.4	23.88	24	0
20	Q150	64	256	119	255.1	255.6	23.88	24	0
20	Q150	64	256	120	255.3	255.8	23.88	24	0
20	Q150	64	256	121	255.5	256.0	23.88	24	0
20	Q150	64	256	122	255.7	256.2	23.88	24	0
20	Q150	64	256	123	255.9	256.4	23.88	24	0
20	Q150	64	256	124	256.1	256.6	23.88	24	0
20	Q150	64	256	125	256.3	256.8	23.88	24	0
20	Q150	64	256	126	256.5	257.0	23.88	24	0
20	Q150	64	256	127	256.7	257.2	23.88	24	0
20	Q150	64	256	128	256.9	257.4	23.88	24	0
20	Q150	64	256	129	257.1	257.6	23.88	24	0
20	Q150	64	256	130	257.3	257.8	23.88	24	0
20	Q150	64	256	131	257.5	258.0	23.88	24	0
20	Q150	64	256	132	257.7	258.2	23.88	24	0
20	Q150	64	256	133	257.9	258.4	23.88	24	0
20	Q150	64	256	134	258.1	258.6	23.88	24	0
20	Q150	64	256	135	258.3	258.8	23.88	24	0
20	Q150	64	256	136	258.5	259.0	23.88	24	0
20	Q150	64	256	137	258.7	259.2	23.88	24	0
20	Q150	64	256	138	258.9	259.4	23.88	24	0
20	Q150	64	256	139	259.1	259.6	23.88	24	0
20	Q150	64	256	140	259.3	259.8	23.88	24	0
20	Q150	64	256	141	259.5	260.0	23.88	24	0
20	Q150	64	256	142	259.7	260.2	23.88	24	0
20	Q150	64	256	143	259.9	260.4	23.88	24	0
20	Q150	64	256	144	260.1	260.6	23.88		

Band 4 Ant0										
BS (MHz)	Modulation	RB Size	RB Offset	Time Slot	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)
Frequency (MHz)										
201	QPSK	1	0	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	68	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	136	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	204	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	272	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	340	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	408	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	476	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	544	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	612	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	680	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	748	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	816	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	884	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	952	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	1020	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	1088	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	1156	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	1224	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	1292	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	1360	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	1428	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	1496	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	1564	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	1632	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	1700	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	1768	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	1836	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	1904	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	1972	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	2040	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	2108	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	2176	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	2244	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	2312	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	2380	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	2448	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	2516	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	2584	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	2652	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	2720	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	2788	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	2856	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	2924	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	2992	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	3060	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	3128	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	3196	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	3264	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	3332	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	3400	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	3468	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	3536	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	3604	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	3672	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	3740	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	3808	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	3876	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	3944	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	4012	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	4080	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	4148	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	4216	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	4284	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	4352	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	4420	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	4488	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	4556	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	4624	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	4692	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	4760	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	4828	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	4896	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	4964	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	5032	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	5100	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	5168	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	5236	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	5304	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	5372	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	5440	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	5508	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	5576	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	5644	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	5712	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	5780	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	5848	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	5916	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	5984	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	6052	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	6120	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	6188	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	6256	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	6324	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	6392	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	6460	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	6528	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	6596	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	6664	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	6732	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	6800	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	6868	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	6936	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	7004	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	7072	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	7140	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	7208	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	7276	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	7344	22.137	22.137	22.137	22.137	22.137	22.137	22.137
201	QPSK	1	7412	22.137	22.137	22.137</				

Band 5 Ant0									
RF (MHz)	Modulation	RF BW (MHz)	RF Offset (MHz)	Carrier Frequency (MHz)	Subcarrier Frequency (MHz)	Subcarrier Spacing (kHz)	Time Slot (ms)	Antenna (dBi)	Power (dBm)
Frequency (MHz)									
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	24	0	
18	QPSK	10	0	22150	22150	22.150			
18	QPSK	10	0	22150	22150	22.150	</		

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Band 26 Ant0											
Site ID	Channel	Modulation	RF S/C	RF Channel	Low Noise Floor (dBm)	Max. Power (dBm)	Min. Power (dBm)	Power Margin (dB)	Transmission Rate (Mbps)	Antenna Gain (dBi)	Notes
Sub-Channel 1											
18	CPRI-1	1	0	22.93	-130.00	-127.87					
18	CPRI-1	1	1	22.98	-130.00	-127.87					
18	CPRI-1	1	2	23.03	-130.00	-127.87					
18	CPRI-1	1	3	23.07	-130.00	-127.87					
18	CPRI-1	1	4	23.11	-130.00	-127.87					
18	CPRI-1	1	5	23.15	-130.00	-127.87					
18	CPRI-1	1	6	23.19	-130.00	-127.87					
18	CPRI-1	1	7	23.23	-130.00	-127.87					
18	CPRI-1	1	8	23.27	-130.00	-127.87					
18	CPRI-1	1	9	23.31	-130.00	-127.87					
18	CPRI-1	1	10	23.35	-130.00	-127.87					
18	CPRI-1	1	11	23.39	-130.00	-127.87					
18	CPRI-1	1	12	23.43	-130.00	-127.87					
18	CPRI-1	1	13	23.47	-130.00	-127.87					
18	CPRI-1	1	14	23.51	-130.00	-127.87					
18	CPRI-1	1	15	23.55	-130.00	-127.87					
18	CPRI-1	1	16	23.59	-130.00	-127.87					
18	CPRI-1	1	17	23.63	-130.00	-127.87					
18	CPRI-1	1	18	23.67	-130.00	-127.87					
18	CPRI-1	1	19	23.71	-130.00	-127.87					
18	CPRI-1	1	20	23.75	-130.00	-127.87					
18	CPRI-1	1	21	23.79	-130.00	-127.87					
18	CPRI-1	1	22	23.83	-130.00	-127.87					
18	CPRI-1	1	23	23.87	-130.00	-127.87					
18	CPRI-1	1	24	23.91	-130.00	-127.87					
18	CPRI-1	1	25	23.95	-130.00	-127.87					
18	CPRI-1	1	26	23.99	-130.00	-127.87					
18	CPRI-1	1	27	24.03	-130.00	-127.87					
18	CPRI-1	1	28	24.07	-130.00	-127.87					
18	CPRI-1	1	29	24.11	-130.00	-127.87					
18	CPRI-1	1	30	24.15	-130.00	-127.87					
18	CPRI-1	1	31	24.19	-130.00	-127.87					
18	CPRI-1	1	32	24.23	-130.00	-127.87					
18	CPRI-1	1	33	24.27	-130.00	-127.87					
18	CPRI-1	1	34	24.31	-130.00	-127.87					
18	CPRI-1	1	35	24.35	-130.00	-127.87					
18	CPRI-1	1	36	24.39	-130.00	-127.87					
18	CPRI-1	1	37	24.43	-130.00	-127.87					
18	CPRI-1	1	38	24.47	-130.00	-127.87					
18	CPRI-1	1	39	24.51	-130.00	-127.87					
18	CPRI-1	1	40	24.55	-130.00	-127.87					
18	CPRI-1	1	41	24.59	-130.00	-127.87					
18	CPRI-1	1	42	24.63	-130.00	-127.87					
18	CPRI-1	1	43	24.67	-130.00	-127.87					
18	CPRI-1	1	44	24.71	-130.00	-127.87					
18	CPRI-1	1	45	24.75	-130.00	-127.87					
18	CPRI-1	1	46	24.79	-130.00	-127.87					
18	CPRI-1	1	47	24.83	-130.00	-127.87					
18	CPRI-1	1	48	24.87	-130.00	-127.87					
18	CPRI-1	1	49	24.91	-130.00	-127.87					
18	CPRI-1	1	50	24.95	-130.00	-127.87					
18	CPRI-1	1	51	24.99	-130.00	-127.87					
18	CPRI-1	1	52	25.03	-130.00	-127.87					
18	CPRI-1	1	53	25.07	-130.00	-127.87					
18	CPRI-1	1	54	25.11	-130.00	-127.87					
18	CPRI-1	1	55	25.15	-130.00	-127.87					
18	CPRI-1	1	56	25.19	-130.00	-127.87					
18	CPRI-1	1	57	25.23	-130.00	-127.87					
18	CPRI-1	1	58	25.27	-130.00	-127.87					
18	CPRI-1	1	59	25.31	-130.00	-127.87					
18	CPRI-1	1	60	25.35	-130.00	-127.87					
18	CPRI-1	1	61	25.39	-130.00	-127.87					
18	CPRI-1	1	62	25.43	-130.00	-127.87					
18	CPRI-1	1	63	25.47	-130.00	-127.87					
18	CPRI-1	1	64	25.51	-130.00	-127.87					
18	CPRI-1	1	65	25.55	-130.00	-127.87					
18	CPRI-1	1	66	25.59	-130.00	-127.87					
18	CPRI-1	1	67	25.63	-130.00	-127.87					
18	CPRI-1	1	68	25.67	-130.00	-127.87					
18	CPRI-1	1	69	25.71	-130.00	-127.87					
18	CPRI-1	1	70	25.75	-130.00	-127.87					
18	CPRI-1	1	71	25.79	-130.00	-127.87					
18	CPRI-1	1	72	25.83	-130.00	-127.87					
18	CPRI-1	1	73	25.87	-130.00	-127.87					
18	CPRI-1	1	74	25.91	-130.00	-127.87					
18	CPRI-1	1	75	25.95	-130.00	-127.87					
18	CPRI-1	1	76	25.99	-130.00	-127.87					
18	CPRI-1	1	77	26.03	-130.00	-127.87					
18	CPRI-1	1	78	26.07	-130.00	-127.87					
18	CPRI-1	1	79	26.11	-130.00	-127.87					
18	CPRI-1	1	80	26.15	-130.00	-127.87					
18	CPRI-1	1	81	26.19	-130.00	-127.87					
18	CPRI-1	1	82	26.23	-130.00	-127.87					
18	CPRI-1	1	83	26.27	-130.00	-127.87					
18	CPRI-1	1	84	26.31	-130.00	-127.87					
18	CPRI-1	1	85	26.35	-130.00	-127.87					
18	CPRI-1	1	86	26.39	-130.00	-127.87					
18	CPRI-1	1	87	26.43	-130.00	-127.87					
18	CPRI-1	1	88	26.47	-130.00	-127.87					
18	CPRI-1	1	89	26.51	-130.00	-127.87					
18	CPRI-1	1	90	26.55	-130.00	-127.87					
18	CPRI-1	1	91	26.59	-130.00	-127.87					
18	CPRI-1	1	92	26.63	-130.00	-127.87					
18	CPRI-1	1	93	26.67	-130.00	-127.87					
18	CPRI-1	1	94	26.71	-130.00	-127.87					
18	CPRI-1	1	95	26.75	-130.00	-127.87					
18	CPRI-1	1	96	26.79	-130.00	-127.87					
18	CPRI-1	1	97	26.83	-130.00	-127.87					
18	CPRI-1	1	98	26.87	-130.00	-127.87					
18	CPRI-1	1	99	26.91	-130.00	-127.87					
18	CPRI-1	1	100	26.95	-130.00	-127.87					
18	CPRI-1	1	101	26.99	-130.00	-127.87					
18	CPRI-1	1	102	27.03	-130.00	-127.87					
18	CPRI-1	1	103	27.07	-130.00	-127.87					
18	CPRI-1	1	104	27.11	-130.00	-127.87					
18	CPRI-1	1	105	27.15	-130.00	-127.87					
18	CPRI-1	1	106	27.19	-130.00	-127.87					
18	CPRI-1	1	107	27.23	-130.00	-127.87					
18	CPRI-1	1	108	27.27	-130.00	-127.87					
18	CPRI-1	1	109	27.31	-130.00	-127.87					
18	CPRI-1	1	110	27.35	-130.00	-127.87					
18	CPRI-1	1	111	27.39	-130.00	-127.87					
18	CPRI-1	1	112	27.43	-130.00	-127.87					
18	CPRI-1	1	113	27.47	-130.00	-127.87					
18	CPRI-1	1	114	27.51	-130.00	-127.87					
18	CPRI-1	1	115	27.55	-130.00	-127.87					
18	CPRI-1	1	116	27.59	-130.00	-127.87					
18	CPRI-1	1	117	27.63	-130.00	-127.87					
18	CPRI-1	1	118	27.67	-130.00	-127.87					
18	CPRI-1	1	119	27.71	-130.00	-127.87					
18	CPRI-1	1	120	27.75	-130.00	-127.87					
18	CPRI-1	1	121	27.79	-130.00	-127.87					
18	CPRI-1	1	122	27.83	-130.00	-127.87					
18	CPRI-1	1	123	27.87	-130.00	-127.87					
18	CPRI-1	1	124	27.91	-130.00	-127.87					
18	CPRI-1	1	125	27.95	-130.00	-127.87					
18	CPRI-1	1	126	27.99	-130.00	-127.87					
18	CPRI-1	1	127	28.03	-130.00	-127.87					
18	CPRI-1	1	128	28.07	-130.00	-127.87					
18	CPRI-1	1	129	28.11	-130.00	-127.87					
18	CPRI-1	1	130	28.15	-130.00	-127.87					
18	CPRI-1	1	131	28.19	-130.00	-127.87					
18	CPRI-1	1	132	28.23	-130.00	-127.87					
18	CPRI-1	1	133	28.27	-130.00	-127.87					
18	CPRI-1	1	134	28.31	-130.00	-127.87					
18	CPRI-1	1	135	28.35	-130.00	-127.87					
18	CPRI-1	1	136	28.39	-130.00	-127.87					
18	CPRI-1	1	137	28.43	-130.00	-127.87					
18	CPRI-1	1	138	28.47	-130.00	-127.87					
18	CPRI-1	1	139	28.51	-130.00	-127.87					
18	CPRI-1	1	140	28.55	-130.00	-127.87					
18	CPRI-1	1	141	28.59	-130.00	-127.87					
18	CPRI-1	1	142	28.63	-130.00	-127.87					
18	CPRI-1	1	143	28.67	-130.00						

Band 30 Ant0									
Site ID#s	Modulation	Channel	RF Offset	Power (mW)	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Timezone	Ant0 (m)	Ant1 (m)
Channel 1									
10	QPSK (1/2)	0	0	25.00	215.00	-120.00			
10	QPSK	1	0	25.00	215.00	-120.00	24	0	
10	QPSK	2	0	25.00	215.00	-120.00			
10	QPSK	3	0	25.00	215.00	-120.00	23	0	
10	QPSK	4	0	25.00	215.00	-120.00			
10	QPSK	5	0	25.00	215.00	-120.00			
10	QPSK	6	0	25.00	215.00	-120.00	23	1	
10	QPSK	7	0	25.00	215.00	-120.00			
10	QPSK	8	0	25.00	215.00	-120.00	22	2	
10	QPSK	9	0	25.00	215.00	-120.00			
10	QPSK	10	0	25.00	215.00	-120.00	22	2	
10	QPSK	11	0	25.00	215.00	-120.00			
10	QPSK	12	0	25.00	215.00	-120.00	21	3	
10	QPSK	13	0	25.00	215.00	-120.00			
10	QPSK	14	0	25.00	215.00	-120.00	20	4	
10	QPSK	15	0	25.00	215.00	-120.00			
10	QPSK	16	0	25.00	215.00	-120.00	20	4	
10	QPSK	17	0	25.00	215.00	-120.00			
10	QPSK	18	0	25.00	215.00	-120.00	20	4	
10	QPSK	19	0	25.00	215.00	-120.00			
10	QPSK	20	0	25.00	215.00	-120.00	20	4	
10	QPSK	21	0	25.00	215.00	-120.00			
10	QPSK	22	0	25.00	215.00	-120.00	20	4	
10	QPSK	23	0	25.00	215.00	-120.00			
10	QPSK	24	0	25.00	215.00	-120.00	20	4	
10	QPSK	25	0	25.00	215.00	-120.00			
10	QPSK	26	0	25.00	215.00	-120.00	20	4	
10	QPSK	27	0	25.00	215.00	-120.00			
10	QPSK	28	0	25.00	215.00	-120.00	20	4	
10	QPSK	29	0	25.00	215.00	-120.00			
10	QPSK	30	0	25.00	215.00	-120.00	20	4	
10	QPSK	31	0	25.00	215.00	-120.00			
10	QPSK	32	0	25.00	215.00	-120.00	20	4	
10	QPSK	33	0	25.00	215.00	-120.00			
10	QPSK	34	0	25.00	215.00	-120.00	20	4	
10	QPSK	35	0	25.00	215.00	-120.00			
10	QPSK	36	0	25.00	215.00	-120.00	20	4	
10	QPSK	37	0	25.00	215.00	-120.00			
10	QPSK	38	0	25.00	215.00	-120.00	20	4	
10	QPSK	39	0	25.00	215.00	-120.00			
10	QPSK	40	0	25.00	215.00	-120.00	20	4	
10	QPSK	41	0	25.00	215.00	-120.00			
10	QPSK	42	0	25.00	215.00	-120.00	20	4	
10	QPSK	43	0	25.00	215.00	-120.00			
10	QPSK	44	0	25.00	215.00	-120.00	20	4	
10	QPSK	45	0	25.00	215.00	-120.00			
10	QPSK	46	0	25.00	215.00	-120.00	20	4	
10	QPSK	47	0	25.00	215.00	-120.00			
10	QPSK	48	0	25.00	215.00	-120.00	20	4	
10	QPSK	49	0	25.00	215.00	-120.00			
10	QPSK	50	0	25.00	215.00	-120.00	20	4	
10	QPSK	51	0	25.00	215.00	-120.00			
10	QPSK	52	0	25.00	215.00	-120.00	20	4	
10	QPSK	53	0	25.00	215.00	-120.00			
10	QPSK	54	0	25.00	215.00	-120.00	20	4	
10	QPSK	55	0	25.00	215.00	-120.00			
10	QPSK	56	0	25.00	215.00	-120.00	20	4	
10	QPSK	57	0	25.00	215.00	-120.00			
10	QPSK	58	0	25.00	215.00	-120.00	20	4	
10	QPSK	59	0	25.00	215.00	-120.00			
10	QPSK	60	0	25.00	215.00	-120.00	20	4	
10	QPSK	61	0	25.00	215.00	-120.00			
10	QPSK	62	0	25.00	215.00	-120.00	20	4	
10	QPSK	63	0	25.00	215.00	-120.00			
10	QPSK	64	0	25.00	215.00	-120.00	20	4	
10	QPSK	65	0	25.00	215.00	-120.00			
10	QPSK	66	0	25.00	215.00	-120.00	20	4	
10	QPSK	67	0	25.00	215.00	-120.00			
10	QPSK	68	0	25.00	215.00	-120.00	20	4	
10	QPSK	69	0	25.00	215.00	-120.00			
10	QPSK	70	0	25.00	215.00	-120.00	20	4	
10	QPSK	71	0	25.00	215.00	-120.00			
10	QPSK	72	0	25.00	215.00	-120.00	20	4	
10	QPSK	73	0	25.00	215.00	-120.00			
10	QPSK	74	0	25.00	215.00	-120.00	20	4	
10	QPSK	75	0	25.00	215.00	-120.00			
10	QPSK	76	0	25.00	215.00	-120.00	20	4	
10	QPSK	77	0	25.00	215.00	-120.00			
10	QPSK	78	0	25.00	215.00	-120.00	20	4	
10	QPSK	79	0	25.00	215.00	-120.00			
10	QPSK	80	0	25.00	215.00	-120.00	20	4	
10	QPSK	81	0	25.00	215.00	-120.00			
10	QPSK	82	0	25.00	215.00	-120.00	20	4	
10	QPSK	83	0	25.00	215.00	-120.00			
10	QPSK	84	0	25.00	215.00	-120.00	20	4	
10	QPSK	85	0	25.00	215.00	-120.00			
10	QPSK	86	0	25.00	215.00	-120.00	20	4	
10	QPSK	87	0	25.00	215.00	-120.00			
10	QPSK	88	0	25.00	215.00	-120.00	20	4	
10	QPSK	89	0	25.00	215.00	-120.00			
10	QPSK	90	0	25.00	215.00	-120.00	20	4	
10	QPSK	91	0	25.00	215.00	-120.00			
10	QPSK	92	0	25.00	215.00	-120.00	20	4	
10	QPSK	93	0	25.00	215.00	-120.00			
10	QPSK	94	0	25.00	215.00	-120.00	20	4	
10	QPSK	95	0	25.00	215.00	-120.00			
10	QPSK	96	0	25.00	215.00	-120.00	20	4	
10	QPSK	97	0	25.00	215.00	-120.00			
10	QPSK	98	0	25.00	215.00	-120.00	20	4	
10	QPSK	99	0	25.00	215.00	-120.00			
10	QPSK	100	0	25.00	215.00	-120.00	20	4	
10	QPSK	101	0	25.00	215.00	-120.00			
10	QPSK	102	0	25.00	215.00	-120.00	20	4	
10	QPSK	103	0	25.00	215.00	-120.00			
10	QPSK	104	0	25.00	215.00	-120.00	20	4	
10	QPSK	105	0	25.00	215.00	-120.00			
10	QPSK	106	0	25.00	215.00	-120.00	20	4	
10	QPSK	107	0	25.00	215.00	-120.00			
10	QPSK	108	0	25.00	215.00	-120.00	20	4	
10	QPSK	109	0	25.00	215.00	-120.00			
10	QPSK	110	0	25.00	215.00	-120.00	20	4	
10	QPSK	111	0	25.00	215.00	-120.00			
10	QPSK	112	0	25.00	215.00	-120.00	20	4	
10	QPSK	113	0	25.00	215.00	-120.00			
10	QPSK	114	0	25.00	215.00	-120.00	20	4	
10	QPSK	115	0	25.00	215.00	-120.00			
10	QPSK	116	0	25.00	215.00	-120.00	20	4	
10	QPSK	117	0	25.00	215.00	-120.00			
10	QPSK	118	0	25.00	215.00	-120.00	20	4	
10	QPSK	119	0	25.00	215.00	-120.00			
10	QPSK	120	0	25.00	215.00	-120.00	20	4	
10	QPSK	121	0	25.00	215.00	-120.00			
10	QPSK	122	0	25.00	215.00	-120.00	20	4	
10	QPSK	123	0	25.00	215.00	-120.00			
10	QPSK	124	0	25.00	215.00	-120.00	20	4	
10	QPSK	125	0	25.00	215.00	-120.00			
10	QPSK	126	0	25.00	215.00	-120.00	20	4	
10	QPSK	127	0	25.00	215.00	-120.00			
10	QPSK	128	0	25.00	215.00	-120.00	20	4	
10	QPSK	129	0	25.00	215.00	-120.00			
10	QPSK	130	0	25.00	215.00	-120.00	20	4	
10	QPSK	131	0	25.00	215.00	-120.00			
10	QPSK	132	0	25.00	215.00	-120.00	20	4	
10	QPSK	133	0	25.00	215.00	-120.00			
10	QPSK	134	0	25.00	215.00	-120.00	20	4	
10	QPSK	135	0	25.00	215.00	-120.00			
10	QPSK	136	0	25.00	215.00	-120.00	20	4	
10	QPSK	137	0	25.00	215.00	-120.00			
10	QPSK	138	0	25.00	215.00	-120.00	20	4	
10	QPSK	139	0	25.00	215.00	-120.00			
10	QPSK	140	0	25.00	215.00	-120.00	20	4	
10	QPSK	141	0	25.00	215.00	-120.00			
10	QPSK	142	0	25.00	215.00	-120.00	20	4	
10	QPSK	143	0	25.00	215.00	-120.00			
10	QPSK	144	0	25.00	215.00	-120.00	20	4	
10	QPSK	145	0	25.00	215.00	-120.00			
10	QPSK	146	0	25.00	215.00	-120.00	20	4	
10	QPSK	147	0	25.00	215.00	-120.00			
10	QPSK	148	0	25.00	215.00	-120.00	20	4	
10	QPSK	149	0	25.00	215.00	-120.00			
10	QPSK	150	0	25.00	215.00	-120.00	20	4	
10	QPSK	151	0	25.00	215.00	-120.00			
10	QPSK	152	0	25.00	215.00	-120.00	20	4	
10	QPSK	153	0	25.00	215.00	-120.00			
10	QPSK	154	0	25.00	215.00	-120.00	20	4	
10	QPSK	155	0	25.00	2				

Band 66 Ant0											
RF (MHz)	Modulation	FE Size	FE Offset	Power Low Freq. (dBm)	Power High Freq. (dBm)	Power Peak Freq. (dBm)	Time-to-Settling (ms)	MTL (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.17	22.59	22.74	24	0			
20	QPSK	1	40	22.20	22.11	22.08					
20	QPSK	1	80	22.22	22.22	22.20					
20	QPSK	1	120	22.24	22.15	22.07					
20	QPSK	50	24	22.22	22.28	22.29	24	0			
20	QPSK	50	60	22.22	22.22	22.22					
20	QPSK	100	0	22.28	22.13	22.07					
20	QPSK	100	40	22.27	22.01	22.01					
20	16QAM	1	40	22.27	22.01	22.01	24	0			
20	16QAM	1	80	22.27	22.01	22.01					
20	16QAM	50	0	22.31	22.01	22.01					
20	16QAM	50	24	22.30	22.01	22.01					
20	16QAM	50	60	22.27	22.01	22.01	23.5	0.5			
20	16QAM	100	0	22.48	22.28	22.24					
20	16QAM	100	40	22.25	22.75	22.54					
20	16QAM	1	40	22.28	22.07	22.04					
20	16QAM	100	0	22.21	22.20	22.20	23.5	0.5			
20	16QAM	50	0	21.89	21.96	21.91					
20	16QAM	50	50	21.52	21.72	21.61					
20	16QAM	100	0	21.62	21.62	21.62					
20	256QAM	1	0	18.86	18.82	18.84	20.5	3.5			
20	256QAM	1	40	18.89	18.82	18.84					
20	256QAM	50	0	18.94	18.94	18.94					
20	256QAM	50	24	18.76	18.86	18.74					
20	256QAM	50	50	18.69	18.72	18.72	20.5	3.5			
20	256QAM	100	0	18.71	18.76	18.80					
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.08	22.16	22.06	24	0			
15	QPSK	1	40	22.06	22.02	22.04					
15	QPSK	1	80	22.07	22.10	22.02					
15	QPSK	50	0	22.08	22.05	22.02					
15	QPSK	50	24	22.07	22.07	22.07	24	0			
15	QPSK	50	60	22.02	22.02	22.02					
15	QPSK	100	0	22.28	22.07	22.02					
15	QPSK	100	40	22.75	22.01	22.01					
15	16QAM	1	0	22.28	22.06	22.07	24	0			
15	16QAM	1	40	22.75	22.01	22.01					
15	16QAM	1	80	22.45	22.48	22.45					
15	16QAM	50	0	22.47	22.74	22.63					
15	16QAM	50	24	22.52	22.82	22.82	23.5	0.5			
15	16QAM	100	0	22.25	22.51	22.41					
15	16QAM	1	40	22.43	22.52	22.43					
15	16QAM	100	40	22.75	22.75	22.77					
15	16QAM	50	24	21.50	21.58	21.58	23.5	1.5			
15	16QAM	50	60	21.48	21.52	21.54					
15	16QAM	75	0	21.48	21.52	21.54					
15	16QAM	75	24	21.52	21.52	21.52					
15	256QAM	1	0	18.76	18.80	18.81	20.5	3.5			
15	256QAM	1	40	18.78	18.82	18.80					
15	256QAM	1	80	18.75	18.76	18.77					
15	256QAM	50	0	18.71	18.67	18.74					
15	256QAM	25	12	18.75	18.81	18.83	20.5	3.5			
15	256QAM	25	36	18.82	18.81	18.82					
15	256QAM	50	0	18.63	18.57	18.53					
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.03	22.09	22.03	24	0			
10	QPSK	1	10	22.08	22.07	22.04					
10	QPSK	1	20	22.01	22.00	22.01					
10	QPSK	12	0	22.40	22.11	22.05					
10	QPSK	12	7	22.78	22.28	22.29	24	0			
10	QPSK	12	13	22.75	22.28	22.21					
10	QPSK	25	0	22.84	22.36	22.37					
10	QPSK	25	0	22.75	22.36	22.36					
10	16QAM	1	12	22.82	22.82	22.72	24	0			
10	16QAM	1	24	22.82	22.82	22.82					
10	16QAM	12	0	22.47	22.74	22.63					
10	16QAM	12	13	22.43	22.52	22.51	23.5	0.5			
10	16QAM	25	0	22.47	22.74	22.63					
10	16QAM	1	12	22.43	22.52	22.43					
10	16QAM	1	24	22.43	22.52	22.43					
10	16QAM	12	0	21.53	21.59	21.51	23.5	0.5			
10	16QAM	12	13	21.53	21.59	21.51					
10	16QAM	25	0	21.56	21.57	21.57					
10	16QAM	25	0	21.56	21.57	21.57					
10	16QAM	12	13	21.56	21.57	21.57	23.5	1.5			
10	16QAM	1	0	18.76	18.81	18.86					
10	16QAM	1	40	18.77	18.81	18.81					
10	16QAM	1	80	18.75	18.76	18.76					
10	16QAM	12	0	18.72	18.82	18.78	20.5	3.5			
10	16QAM	12	13	18.72	18.82	18.78					
10	16QAM	12	13	18.72	18.82	18.78					
10	16QAM	12	13	18.72	18.82	18.81					
10	256QAM	12	13	18.72	18.82	18.81	20.5	3.5			
10	256QAM	12	13	18.72	18.82	18.81					
10	256QAM	12	13	18.72	18.82	18.81					
10	256QAM	12	13	18.72	18.82	18.81					
10	256QAM	12	13	18.72	18.82	18.82					
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.03	22.09	22.03	24	0			
5	QPSK	1	10	22.08	22.07	22.04					
5	QPSK	1	20	22.01	22.00	22.01					
5	QPSK	12	0	22.40	22.11	22.05					
5	QPSK	12	7	22.78	22.28	22.29	24	0			
5	QPSK	12	13	22.75	22.28	22.21					
5	QPSK	25	0	22.84	22.36	22.37					
5	QPSK	25	0	22.75	22.36	22.36					
5	16QAM	1	12	22.82	22.82	22.72	24	0			
5	16QAM	1	24	22.82	22.82	22.82					
5	16QAM	12	0	22.47	22.74	22.63					
5	16QAM	12	13	22.43	22.52	22.51	23.5	0.5			
5	16QAM	25	0	22.47	22.74	22.63					
5	16QAM	1	12	22.43	22.52	22.43					
5	16QAM	1	24	22.43	22.52	22.43					
5	16QAM	12	0	21.53	21.59	21.51	23.5	0.5			
5	16QAM	12	13	21.53	21.59	21.51					
5	16QAM	25	0	21.56	21.57	21.57					
5	16QAM	25	0	21.56	21.57	21.57					
5	16QAM	12	13	21.56	21.57	21.57	23.5	1.5			
5	16QAM	1	0	18.80	18.86	18.82					
5	16QAM	1	40	18.82	18.86	18.79					
5	16QAM	1	80	18.79	18.80	18.79					
5	16QAM	12	0	18.74	18.79	18.74	20.5	3.5			
5	16QAM	12	13	18.74	18.79	18.74					
5	16QAM	12	13	18.74	18.79	18.74					
5	16QAM	12	13	18.74	18.79	18.74					
5	256QAM	12	13	18.74	18.79	18.74	20.5	3.5			
5	256QAM	12	13	18.74	18.79	18.74					
5	256QAM	12	13	18.74	18.79	18.74					
5	256QAM	12	13	18.74	18.79	18.74					
5	256QAM	12	13	18.74	18.79	18.74					
Channel											
Frequency (MHz)											
3	QPSK	1	0	22.03	22.09	22.03	24	0			
3	QPSK	1	10	22.08	22.07	22.04					
3	QPSK	1	20	22.01	22.00	22.01					
3	QPSK	12	0	22.40	22.11	22.05					
3	QPSK	12	7	22.78	22.28	22.29	24	0			
3	QPSK	12	13	22.75	22.28	22.21					
3	QPSK	25	0	22.84	22.36	22.37					
3	QPSK	25	0	22.75	22.36	22.36					
3	16QAM	1	12	22.82	22.82	22.72	24	0			
3	16QAM	1	24	22.82	22.82	22.82					
3	16QAM	12	0	22.47	22.74	22.63					
3	16QAM	12	13	22.43	22.52	22.51	23.5	0.5			
3	16QAM	25	0	22.47	22.74	22.63					
3	16QAM	1	12	22.43	22.52	22.43					
3	16QAM	1	24	22.43	22.52	22.43					
3	16QAM	12	0	21.53	21.59	21.51	23.5	0.5			
3	16QAM	12	13	21.53	21.59	21.51					
3	16QAM	25	0	21.56	21.57	21.57					
3	16QAM	25	0	21.56	21.57	21.57					
3	16QAM	12	13	21.56	21.57	21.57	23.5	1.5			
3	16QAM	1	0	18.82	18.86	18.82					
3	16QAM	1	40	18.82	18.86	18.79					
3	16QAM	1	80	18.79	18.80	18.79					
3	16QAM	12	0	18.74	18.79	18.74	20.5	3.5			
3	16QAM	12	13	18.74	18.79	18.74					
3	16QAM	12	13	18.74	18.79	18.74					
3	16QAM	12	13	18.74	18.79	18.74					
3	256QAM	12	13	18.74	18.79	18.74	20.5	3.5			
3	256QAM	12	13	18.74	18.79	18.74					
3	256QAM	12	13	18.74	18.79	18.74					
3	256QAM	12	13	18.74	18.79	18.74					
3	256QAM	12	13	18.74	18.79	18.74					
Channel											
Frequency (MHz)											
1.6	QPSK	1	0	22.02	22.08	22.02	24	0			
1.6	QPSK	1	10	22.07	22.06	22.03					
1.6	QPSK	1	20	22.00	21.99	22.00					
1.6	QPSK	3	0	22.40	22.10	22.00					
1.6	QPSK	3	7	22.77	22.27	22.27	24	0			
1.6	QPSK	3	13	22.74	22.27	22.20					
1.6	QPSK	6	0	22.79	22.30	22.27					
1.6	QPSK	6	0	22.79	22.30	22.27					
1.6	QPSK	3	0	22.79	22.30	22.27	24	0			
1.6	QPSK	3	7	22.77	22.28	22.21					
1.6	QPSK	3	13	22.77	22.28	22.21					
1.6	QPSK	6	0	22.79	22.30	22.27					
1.6	16QAM	1	0	22.27	22.06	22.07	23.5	0.5			
1.6	16QAM	1	10	22.27	22.06	22.07					
1.6	16QAM	1	20	22.27	22.06	22.07					
1.6	16QAM	3	0	22.47	22.21	22.14					
1.6	16QAM	3	7	22.47	22.21	22.14	23.5	0.5			
1.6	16QAM	3	13	22.47	22.21	22.14					

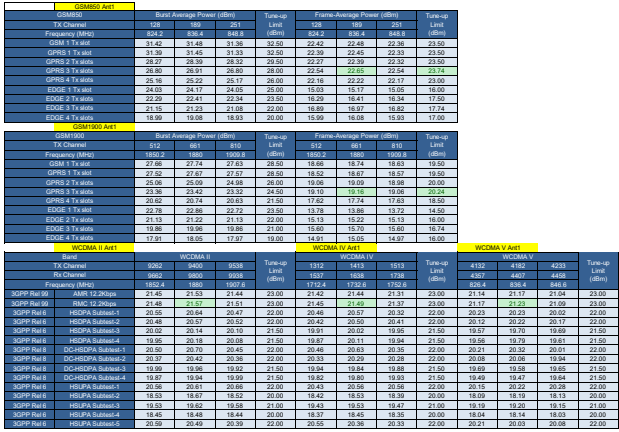


Band 38 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				37860	38000	38160			
20	QPSK	1	0	20.87	20.89	20.92			
20	QPSK	1	49	20.40	20.43	20.46	22	0	
20	QPSK	1	89	20.47	20.49	20.49			
20	QPSK	50	0	20.47	20.50	20.53			
20	QPSK	50	24	20.38	20.50	20.42	22	0	
20	QPSK	50	50	20.33	20.36	20.33			
20	QPSK	100	0	20.37	20.52	20.33			
20	16QAM	1	0	20.46	20.57	20.39			
20	16QAM	1	49	20.38	20.45	20.33	22	0	
20	16QAM	1	99	20.29	20.33	20.40			
20	16QAM	50	0	20.06	20.03	20.04			
20	16QAM	50	24	20.10	20.06	20.05	21.5	0.5	
20	16QAM	50	50	19.87	20.03	19.86			
20	16QAM	100	0	19.82	20.01	19.80			
20	64QAM	1	0	20.03	20.25	20.03			
20	64QAM	1	49	19.94	20.04	20.10	21.5	0.5	
20	64QAM	1	99	20.10	20.01	20.00			
20	64QAM	50	0	19.86	20.04	19.95			
20	64QAM	50	24	19.83	19.80	19.89			
20	64QAM	50	50	19.82	19.86	19.83	20.5	1.5	
20	64QAM	100	0	19.85	19.88	19.79			
20	256QAM	1	0	17.91	18.08	17.94			
20	256QAM	1	49	17.82	18.06	17.82	19.5	3.5	
20	256QAM	1	99	17.86	17.86	17.87			
20	256QAM	50	0	17.84	18.06	17.87			
20	256QAM	50	24	17.80	17.85	17.80	19.5	3.5	
20	256QAM	50	50	17.77	17.87	17.81			
20	256QAM	100	0	17.81	18.03	17.80			
Channel									
Frequency (MHz)				37860	38000	38160	Tune-up limit (dBm)	MPR (dB)	
16	QPSK	1	0	20.50	20.50	20.42			
16	QPSK	1	37	20.29	20.36	20.42	22	0	
16	QPSK	1	74	20.40	20.36	20.23			
16	QPSK	36	0	20.30	20.38	20.27			
16	QPSK	36	20	20.24	20.39	20.31	22	0	
16	QPSK	36	50	20.31	20.39	20.25			
16	16QAM	1	0	20.31	20.44	20.29			
16	16QAM	1	37	20.37	20.37	20.20	22	0	
16	16QAM	1	74	20.25	20.23	20.33			
16	16QAM	36	0	19.95	20.20	19.88			
16	16QAM	36	20	19.82	19.85	19.85	21.5	0.5	
16	16QAM	36	50	19.79	19.83	19.83			
16	16QAM	75	0	19.83	19.89	19.86			
16	64QAM	1	0	19.94	20.23	19.89			
16	64QAM	1	37	19.77	19.97	20.07	21.5	0.5	
16	64QAM	1	74	20.01	19.95	19.85			
16	64QAM	36	0	19.77	20.01	19.87			
16	64QAM	36	20	19.73	19.86	19.82	20.5	1.5	
16	64QAM	36	50	19.77	19.85	19.85			
16	64QAM	75	0	19.75	19.85	19.80			
16	256QAM	1	0	17.78	17.87	17.88	18.5	3.5	
16	256QAM	1	37	17.73	18.04	17.72			
16	256QAM	1	74	17.73	17.82	17.72			
16	256QAM	36	0	17.83	18.00	17.82			
16	256QAM	36	20	17.86	17.77	17.85	18.5	3.5	
16	256QAM	36	50	17.84	17.77	17.71			
16	256QAM	75	0	17.79	17.89	17.87			
Channel									
Frequency (MHz)				37860	38000	38160	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	20.43	20.43	20.40			
10	QPSK	1	25	20.31	20.39	20.41	22	0	
10	QPSK	1	49	20.35	20.26	20.34			
10	QPSK	25	0	20.37	20.43	20.23			
10	QPSK	25	12	20.24	20.46	20.30	22	0	
10	QPSK	25	25	20.17	20.25	20.22			
10	QPSK	50	0	20.34	20.42	20.20			
10	16QAM	1	0	20.32	20.41	20.25			
10	16QAM	1	25	20.22	20.33	20.20	22	0	
10	16QAM	1	49	20.16	20.17	20.31			
10	16QAM	25	0	20.04	20.20	19.98			
10	16QAM	25	12	20.04	19.93	19.92	21.5	0.5	
10	16QAM	25	25	19.91	19.86	19.87			
10	16QAM	50	0	19.86	20.04	19.84			
10	64QAM	1	0	19.86	20.09	20.01			
10	64QAM	1	25	19.82	20.01	20.01	21.5	0.5	
10	64QAM	1	49	20.06	19.83	20.04			
10	64QAM	25	0	19.81	20.00	19.81			
10	64QAM	25	12	19.71	19.85	19.78	20.5	1.5	
10	64QAM	25	25	19.74	19.71	19.75			
10	64QAM	50	0	19.80	19.83	19.72			
10	256QAM	1	0	17.81	18.03	17.84	19.5	3.5	
10	256QAM	1	25	17.73	17.87	17.84			
10	256QAM	1	49	17.71	17.75	17.75			
10	256QAM	25	0	17.84	17.83	17.84	19.5	3.5	
10	256QAM	25	12	17.86	17.81	17.86			
10	256QAM	25	25	17.89	17.82	17.80			
10	256QAM	50	0	17.85	17.86	17.84			
Channel									
Frequency (MHz)				37860	38000	38160	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.56	20.61	20.38			
5	QPSK	1	12	20.31	20.32	20.37	22	0	
5	QPSK	1	24	20.44	20.39	20.33			
5	QPSK	12	0	20.38	20.46	20.40			
5	QPSK	12	7	20.24	20.42	20.30	22	0	
5	QPSK	12	13	20.11	20.29	20.18			
5	QPSK	25	0	20.20	20.29	20.20			
5	16QAM	1	0	20.31	20.44	20.23			
5	16QAM	1	12	20.28	20.39	20.15	22	0	
5	16QAM	1	24	20.16	20.29	20.20			
5	16QAM	12	0	19.93	20.17	19.96			
5	16QAM	12	7	19.97	19.82	20.00	21.5	0.5	
5	16QAM	12	13	19.77	19.93	19.80			
5	16QAM	25	0	19.82	19.96	19.93			
5	64QAM	1	0	19.94	20.12	20.00			
5	64QAM	1	12	19.89	19.86	20.00	21.5	0.5	
5	64QAM	1	24	19.95	19.91	19.90			
5	64QAM	12	0	19.78	19.89	19.81			
5	64QAM	12	7	19.76	19.78	19.75	20.5	1.5	
5	64QAM	12	13	19.72	19.78	19.71			
5	64QAM	25	0	19.80	19.78	19.86			
5	256QAM	1	0	17.83	18.01	17.80	19.5	3.5	
5	256QAM	1	12	17.74	18.03	17.82			
5	256QAM	1	24	17.74	17.70	17.70			
5	256QAM	12	0	17.79	17.86	17.86	19.5	3.5	
5	256QAM	12	13	17.70	17.81	17.70			
5	256QAM	25	0	17.87	17.89	17.89			

Band 41 FCC Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq
Channel									
Frequency (MHz)				38970	40185	40620	41065	41460	41925
20	QPSK	1	0	22.49	22.52	22.55	22.54	22.54	22.44
20	QPSK	1	49	22.33	22.54	22.52	22.25	22.25	22.39
20	QPSK	1	89	22.36	22.51	22.42	22.26	22.26	22.39
20	QPSK	50	0	22.27	22.18	22.34	22.22	22.22	22.25
20	QPSK	50	24	22.06	22.15	22.18	22.15	22.15	22.02
20	QPSK	50	50	22.00	22.10	22.16	22.00	22.00	22.00
20	QPSK	100	0	22.25	22.10	22.30	22.10	22.20	22.20
20	16QAM	1	0	22.15	22.13	22.28	22.13	22.14	22.14
20	16QAM	1	49	22.07	22.04	22.10	22.09	22.00	22.00
20	16QAM	1	99	22.02	22.03	22.13	22.04	22.00	22.00
20	16QAM	50	0	21.30	21.18	21.38	21.24	21.29	21.17
20	16QAM	50	24	21.10	21.17	21.20	21.25	21.17	21.17
20	16QAM	50	50	21.01	21.08	21.16	21.16	21.04	21.04
20	16QAM	100	0	21.06	21.11	21.26	21.19	21.25	21.25
20	64QAM	1	0	21.41	21.33	21.49	21.35	21.40	21.40
20	64QAM	1	49	21.30	21.27	21.37	21.27	21.30	21.30
20	64QAM	1	99	21.19	21.24	21.30	21.20	21.20	21.20
20	64QAM	50	0	20.27	20.27	20.40	20.30	20.31	20.31
20	64QAM	50	24	20.23	20.24	20.32	20.22	20.20	20.20
20	64QAM	50	50	20.10	20.18	20.24	20.13	20.17	20.17
20	64QAM	100	0	20.10	20.14	20.22	20.20	20.16	20.16
20	256QAM	1	0	18.24	18.20	18.37	18.24	18.23	18.23
20	256QAM	1	49	18.27	18.18	18.37	18.16	18.24	18.24
20	256QAM	1	99	18.10	18.08	18.23	18.15	18.16	18.16
20	256QAM	50	0	18.16	18.14	18.24	18.16	18.16	18.16
20	256QAM	50	24	18.19	18.14	18.24	18.10	18.14	18.14
20	256QAM	50	50	18.12	18.08	18.20	18.09	18.08	18.08
20	256QAM	100	0	18.14	18.16	18.24	18.16	18.16	18.16
Channel									
Frequency (MHz)				38970	40185	40620	41065	41460	41925
15	QPSK	1	0	22.49	22.54	22.55	22.54	22.54	22.43
15	QPSK	1	37	22.17	22.37	22.49	22.09	22.28	22.00
15	QPSK	1	74	22.14	22.26	22.28	22.07	22.11	22.11
15	QPSK	36	0	22.28	22.08	22.28	22.07	22.08	22.08
15	QPSK	36	20	21.69	22.01	22.09	22.08	21.81	21.81
15	QPSK	36	56	21.69	22.01	22.09	21.81	21.81	21.69
15	QPSK	75	0	22.13	21.96	22.15	22.06	22.11	22.11
15	16QAM	1	0	22.09	22.08	22.16	22.06	22.11	22.11
15	16QAM	1	37	21.99	21.98	22.06	21.87	21.86	21.86
15	16QAM	1	74	21.99	21.91	22.04	21.87	21.84	21.84
15	16QAM	36	0	21.28	21.84	21.26	21.19	21.24	21.24
15	16QAM	36	20	20.98	21.08	21.08	20.97	20.97	20.97
15	16QAM	36	56	20.88	21.03	21.01	21.05	20.92	20.92
15	16QAM	75	0	21.32	21.17	21.17	21.06	21.06	21.06
15	64QAM	1	0	21.32	21.20	21.30	21.31	21.33	21.33
15	64QAM	1	37	21.21	21.18	21.22	21.17	21.22	21.22
15	64QAM	1	74	21.12	21.09	21.12	21.07	21.08	21.08
15	64QAM	36	0	20.20	20.19	20.28	20.20	20.25	20.25
15	64QAM	36	20	20.08	20.09	20.20	20.17	20.20	20.20
15	64QAM	36	56	20.10	20.10	20.15	20.12	20.12	20.12
15	64QAM	75	0	19.09	20.05	20.08	20.12	20.10	20.10
15	256QAM	1	0	18.24	18.20	18.37	18.24	18.23	18.23
15	256QAM	1	37	18.20	18.10	18.35	18.02	18.15	18.15
15	256QAM	1	74	18.04	18.02	18.12	18.11	18.08	18.08
15	256QAM	36	0	18.02	18.00	18.10	18.00	18.00	18.00
15	256QAM	36	20	18.12	18.03	18.15	17.97	18.05	18.05
15	256QAM	36	56	18.08	17.93	18.11	18.02	18.01	18.01
15	256QAM	75	0	18.10	18.11	18.18	18.03	18.08	18.08
Channel									
Frequency (MHz)				38970	40160	40620	41060	41460	41925
15	QPSK	1	0	22.49	22.54	22.55	22.54	22.54	22.43
15	QPSK	1	25	22.19	22.51	22.35	22.19	22.31	22.00
15	QPSK	1	49	22.21	22.54	22.37	22.21	22.33	22.00
15	QPSK	25	0	22.27	22.06	22.27	22.07	22.08	22.08
15	QPSK	25	12	21.61	22.05	22.13	22.12	21.82	21.82
15	QPSK	25	37	21.68	22.05	22.13	21.82	21.82	21.68
15	QPSK	50	0	22.13	21.95	22.18	22.03	22.15	22.15
15	16QAM	1	0	22.10	22.00	22.13	22.06	22.10	22.10
15	16QAM	1	25	21.99	21.96	22.07	21.89	21.87	21.87
15	16QAM	1	49	21.87	21.90	22.07	21.83	21.86	21.86
15	16QAM	25	0	21.22	21.13	21.29	21.13	21.21	21.21
15	16QAM	25	12	21.08	21.12	21.12	21.07	21.08	21.08
15	16QAM	25	37	21.08	21.12	21.13	21.06	21.06	21.06
15	16QAM	50	0	21.28	21.07	21.07	21.13	21.15	21.15
15	64QAM	1	0	21.32	21.23	21.40	21.32	21.29	21.29
15	64QAM	1	25	21.21	21.13	21.33	21.14	21.19	21.19
15	64QAM	1	49	21.15	21.14	21.21	21.10	21.14	21.14
15	64QAM	25	0	20.12	20.17	20.30	20.26	20.23	20.23
15	64QAM	25	12	20.18	20.16	20.19	20.10	20.20	20.20
15	64QAM	25	37	20.10	20.10	20.14	20.09	20.09	20.09
15	64QAM	50	0	20.00	20.01	20.18	20.12	20.10	20.10
15	256QAM	1	0	18.24	18.06	18.35	18.21	18.20	18.20
15	256QAM	1	25	18.16	18.05	18.29	18.07	18.12	18.12
15	256QAM	1	49	18.05	17.99	18.16	18.02	18.02	18.02
15	256QAM	25	0	18.04	18.00	18.10	18.00	18.00	18.00
15	256QAM	25	12	18.13	18.09	18.09	17.97	18.05	18.05
15	256QAM	25	37	18.09	18.01	18.10	17.97	18.02	18.02
15	256QAM	50	0	18.10	18.09	18.16	18.06	18.06	18.06
Channel									
Frequency (MHz)				38970	40140	40620	41060	41460	41925
15	QPSK	1	0	22.30	22.47	22.50	22.49	22.42	22.42
15	QPSK	1	12	22.20	22.51	22.37	22.13	22.33	24.00
15	QPSK	1	25	22.12	22.52	22.37	22.09	22.23	24.00
15	QPSK	12	0	22.22	22.05	22.23	22.07	22.03	22.03
15	QPSK	12	7	22.14	22.08	22.06	22.00	21.93	21.93
15	QPSK	25	0	22.21	22.04	22.19	21.99	22.17	21.99
15	16QAM	1	0	22.10	22.02	22.15	21.99	22.07	22.07
15	16QAM	1	12	21.89	21.98	22.16	21.84	21.87	21.87
15	16QAM	1	24	21.87	22.00	22.03	21.85	21.92	21.92
15	16QAM	12	0	21.26	21.12	21.12	21.07	21.08	21.08
15	16QAM	12	7	20.87	21.03	21.12	21.10	21.09	21.09
15	16QAM	12	13	20.89	20.95	21.02	21.08	20.93	20.93
15	64QAM	1	0	21.30	21.22	21.38	21.28	21.27	21.27
15	64QAM	1	12	21.18	21.13	21.25	21.19	21.16	21.16
15	64QAM	1	24	21.08	21.27	21.27	21.10	21.14	21.14
15	64QAM	12	0	20.12	20.23	20.34	20.20	20.18	20.18
15	64QAM	12	7	20.14	20.17	20.19	20.10	20.20	20.20
15	64QAM	12	13	20.10	20.04	20.14	20.05	20.04	20.04
15	64QAM	25	0	19.09	19.99	20.15	20.20	20.25	20.25
15	256QAM	1	0	18.23	18.13	18.35	18.21	18.20	18.20
15	256QAM	1	12	18.24	18.07	18.25	18.02	18.21	18.21
15	256QAM	1	24	17.98	18.00	18.15	18.00	18.01	18.01
15	256QAM	12	0	18.05	18.04	18.12	18.04	18.04	18.04
15	256QAM	12	7	18.06	18.10	18.14	17.98	18.08	18.08
15	256QAM	12	13	18.01	17.96	18.06	18.00	17.99	17.99
15	256QAM	25	0	18.00	18.00	18.10	18.00	18.00	18.00



Band 41 PC2 FCC Ant0															
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid-High Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)	MPR (dB)						
Channel															
Frequency (MHz)				30750	40185	40620	41055	41490							
20	QPSK	1	0	25.60	25.35	25.62	25.46	25.43	26	0					
20	QPSK	1	49	25.46	25.23	25.58	25.40	25.36							
20	QPSK	1	89	25.32	25.28	25.62	25.59	25.31							
20	QPSK	50	0	25.42	25.34	25.45	25.21	25.08							
20	QPSK	50	24	25.32	25.23	25.38	25.29	25.10	26	0					
20	QPSK	50	50	25.67	25.33	25.36	25.25	25.08							
20	QPSK	100	0	25.32	25.20	25.35	25.28	25.13							
20	16QAM	1	0	25.55	25.46	25.60	25.48	25.41							
20	16QAM	1	49	25.35	25.39	25.45	25.48	25.27	26	0					
20	16QAM	1	99	25.30	25.34	25.42	25.44	25.22							
20	16QAM	50	0	24.26	24.15	24.36	24.27	24.10							
20	16QAM	50	24	24.18	24.20	24.35	24.11	24.06							
20	16QAM	50	50	24.11	24.05	24.17	24.11	23.97	25	1					
20	64QAM	1	0	24.25	24.21	24.32	24.15	24.07							
20	64QAM	1	49	24.02	24.11	24.10	24.10	23.96							
20	64QAM	1	99	24.05	24.03	24.10	24.03	23.95							
20	64QAM	50	0	23.26	23.22	23.38	23.20	23.14	24	2					
20	64QAM	50	24	23.15	23.14	23.27	23.19	23.03							
20	64QAM	50	50	23.14	23.10	23.21	23.15	23.06							
20	64QAM	100	0	23.11	23.17	23.23	23.22	23.02							
20	256QAM	1	0	21.51	21.42	21.55	21.46	21.29	22	4					
20	256QAM	1	49	21.54	21.49	21.60	21.45	21.30							
20	256QAM	1	99	21.24	21.37	21.38	21.38	21.28							
20	256QAM	50	0	21.36	21.21	21.42	21.37	21.24							
20	256QAM	50	24	21.22	21.16	21.29	21.24	21.04							
20	256QAM	50	50	21.14	21.12	21.21	21.20	21.05							
Channel															
Frequency (MHz)				30750	40173	40620	41068	41515	Tune-up Int (dBm)	MPR (dB)					
16	QPSK	1	0	25.52	25.47	25.62	25.50	25.43	26.00	0					
16	QPSK	1	37	25.39	25.12	25.50	25.28	25.20							
16	QPSK	1	74	25.13	25.30	25.35	25.24	25.21							
16	QPSK	38	0	25.39	25.31	25.31	25.10	24.81							
16	QPSK	38	20	25.20	25.08	25.34	25.19	24.95	26	0					
16	QPSK	75	0	25.48	25.35	25.35	25.15	25.00							
16	QPSK	75	0	25.24	25.15	25.23	25.15	25.00							
16	16QAM	1	0	25.43	25.36	25.51	25.38	25.36							
16	16QAM	1	37	25.25	25.20	25.25	25.40	25.23	26	0					
16	16QAM	1	74	25.18	25.21	25.28	25.38	25.10							
16	16QAM	38	0	24.22	24.02	24.24	24.16	23.97							
16	16QAM	38	20	24.05	24.08	24.22	24.05	23.82							
16	16QAM	38	39	24.08	23.99	24.08	24.06	23.86	25	1					
16	16QAM	75	0	24.19	24.08	24.27	24.04	24.02							
16	64QAM	1	0	24.04	24.10	24.16	24.05	23.99							
16	64QAM	1	37	23.89	24.04	23.97	23.95	23.86							
16	64QAM	1	74	24.03	23.89	24.10	23.94	23.92	24	2					
16	64QAM	38	0	23.18	23.15	23.35	23.05	23.05							
16	64QAM	38	20	23.05	22.99	23.22	23.15	22.97							
16	64QAM	38	39	23.05	22.99	23.22	23.15	22.97							
16	64QAM	75	0	23.04	23.03	23.05	23.15	22.92	22	4					
16	256QAM	1	0	21.43	21.30	21.51	21.39	21.22							
16	256QAM	1	37	21.42	21.17	21.48	21.38	21.15							
16	256QAM	1	74	21.20	21.26	21.32	21.23	21.10							
16	256QAM	38	0	21.24	21.17	21.34	21.25	21.11	22	4					
16	256QAM	38	20	21.08	21.12	21.11	21.15	21.09							
16	256QAM	38	39	21.10	21.08	21.07	21.09	21.08							
16	256QAM	75	0	21.21	21.12	21.31	21.26	21.11							
Channel															
Frequency (MHz)				30750	40160	40620	41068	41540	Tune-up Int (dBm)				MPR (dB)		
10	QPSK	1	0	25.44	25.44	25.44	25.44	25.47	26.00	0					
10	QPSK	1	25	25.35	25.11	25.51	25.34	25.28							
10	QPSK	1	49	25.06	25.30	25.30	25.31	25.16							
10	QPSK	25	0	25.34	25.35	25.36	25.10	25.02							
10	QPSK	25	12	25.28	25.00	25.22	25.14	25.03	26	0					
10	QPSK	25	25	24.92	25.06	25.09	25.14	24.97							
10	QPSK	50	0	25.30	25.06	25.21	25.24	25.06							
10	16QAM	1	0	25.47	25.40	25.60	25.41	25.36							
10	16QAM	1	49	25.20	25.34	25.40	25.38	25.12	26	0					
10	16QAM	1	89	25.21	25.21	25.28	25.36	25.17							
10	16QAM	25	0	24.23	24.09	24.31	24.12	24.03							
10	16QAM	25	12	24.12	24.16	24.22	24.06	23.91							
10	16QAM	25	25	24.04	23.96	24.14	24.04	23.85	25	1					
10	16QAM	50	0	24.18	24.14	24.28	24.08	24.11							
10	64QAM	1	0	24.09	24.09	24.20	24.06	23.97							
10	64QAM	1	25	23.94	23.99	24.02	23.92	23.86							
10	64QAM	25	0	23.21	23.08	23.20	23.15	23.03	24	2					
10	64QAM	25	12	23.05	23.10	23.24	23.09	22.89							
10	64QAM	25	25	23.02	22.87	23.20	23.08	22.96							
10	64QAM	50	0	22.97	23.07	23.15	23.18	22.98							
10	256QAM	1	0	21.47	21.39	21.54	21.36	21.18	22	4					
10	256QAM	1	25	21.51	21.26	21.47	21.39	21.25							
10	256QAM	1	49	21.14	21.30	21.35	21.30	21.22							
10	256QAM	25	0	21.28	21.21	21.36	21.32	21.20							
10	256QAM	25	12	21.06	21.04	21.20	21.17	20.94	22	4					
10	256QAM	25	25	20.99	21.07	21.13	21.12	20.96							
10	256QAM	50	0	21.28	21.16	21.27	21.11	21.02							
Channel															
Frequency (MHz)				30675	40146	40620	41058	41495	Tune-up Int (dBm)				MPR (dB)		
5	QPSK	1	0	25.51	25.43	25.46	25.38	25.40	26.00	0					
5	QPSK	1	12	25.43	25.07	25.45	25.33	25.31							
5	QPSK	1	24	25.15	25.34	25.39	25.21	25.26							
5	QPSK	12	0	25.39	25.32	25.47	25.09	24.93							
5	QPSK	12	7	25.44	25.15	25.38	25.12	25.03	26	0					
5	QPSK	12	19	25.20	25.07	25.34	25.19	25.05							
5	QPSK	25	0	25.21	25.05	25.28	25.22	25.09							
5	QPSK	25	12	25.47	25.42	25.52	25.38	25.27							
5	16QAM	1	0	25.47	25.40	25.60	25.41	25.36	26	0					
5	16QAM	1	12	25.20	25.34	25.40	25.38	25.12							
5	16QAM	1	24	25.19	25.21	25.25	25.34	25.16							
5	16QAM	12	7	25.42	25.42	25.52	25.38	25.24							
5	16QAM	12	19	24.10	24.14	24.19	24.09	23.97	25	1					
5	16QAM	12	13	24.08	23.98	24.03	24.07	23.89							
5	16QAM	25	0	23.12	23.10	23.24	23.09	22.87							
5	64QAM	1	0	24.07	24.10	24.21	24.05	24.04							
5	64QAM	1	12	23.91	23.97	24.02	24.07	23.92	25	1					
5	64QAM	1	24	23.97	24.01	24.05	24.06	23.91							
5	64QAM	12	0	23.20	23.08	23.15	23.15	22.99							
5	64QAM	12	7	23.10	23.13	23.21	23.14	22.97							
5	64QAM	25	0	23.08	23.11	23.11	23.18	22.98	24	2					
5	64QAM	25	12	22.98	23.04	23.17	23.07	22.92							
5	256QAM	1	0	21.48	21.34	21.49	21.37	21.22							
5	256QAM	12	7	21.19	21.27	21.22	21.20	21.03							
5	256QAM	12	13	21.08	21.06	21.15	21.16	20.96	22	4					
5	256QAM	12	19	21.24	21.18	21.15	21.12	21.02							
5	256QAM	25	0	21.28	21.16	21.27	21.11	21.02							
Channel															
Frequency (MHz)				30675	40146	40620	41058	41495	Tune-up Int (dBm)				MPR (dB)		



Band 2 Ant1												
RF BWP	Modulation	RB Size	RB Ch	Power [dBm]	Ch Power [dBm]	Power [dBm]	Ch Power [dBm]	Power [dBm]	Ch Power [dBm]	Trans and Ant	MPR (dB)	
Channel												
				18700	18800	18900	19000					
20	QPSK	1	0	20.30	21.00	20.00	20.00					
20	QPSK	1	16	20.30	20.99	20.00	20.00					
20	QPSK	50	0	20.30	21.04	20.89	20.89					
20	QPSK	50	16	20.30	21.03	20.88	20.88					
20	QPSK	50	50	20.30	20.99	20.00	20.00					
20	QPSK	100	0	20.30	20.96	20.87	20.87					
20	QPSK	100	16	20.30	21.01	20.86	20.86					
20	16QAM	1	49	20.77	20.83	20.83	20.83					
20	16QAM	1	99	20.69	20.73	20.73	20.73					
20	16QAM	50	0	20.72	20.86	20.78	20.78					
20	16QAM	50	50	20.72	20.79	20.68	20.68					
20	16QAM	100	0	20.71	20.85	20.75	20.75					
20	16QAM	100	1	20.71	20.86	20.76	20.76					
20	16QAM	100	0	19.86	19.88	19.78	19.78					
20	16QAM	100	0	19.86	19.83	19.80	19.80					
20	16QAM	1	0	17.86	17.99	17.89	17.89					
20	16QAM	1	16	17.86	17.91	17.82	17.82					
20	16QAM	50	24	17.86	17.84	17.88	17.88					
20	16QAM	50	24	17.86	17.89	17.89	17.89					
20	16QAM	50	50	17.76	17.81	17.69	17.69					
20	16QAM	50	50	17.76	17.81	17.69	17.69					
20	16QAM	100	0	17.86	17.89	17.84	17.84					
Frequency (MHz)				1865.0	1880.0	1890.0	1905.0					
15	QPSK	1	0	20.30	21.02	20.00	20.00					
15	QPSK	1	16	20.30	21.00	20.00	20.00					
15	QPSK	1	74	20.73	21.00	20.86	20.86					
15	QPSK	1	124	20.63	21.03	20.87	20.87					
15	QPSK	1	174	20.79	20.91	20.82	20.82					
15	QPSK	36	36	20.90	20.83	20.73	20.73					
15	QPSK	36	72	20.82	20.66	20.57	20.57					
15	QPSK	36	108	20.82	20.66	20.57	20.57					
15	16QAM	1	37	20.76	20.73	20.84	20.84					
15	16QAM	1	74	20.76	20.73	20.84	20.84					
15	16QAM	36	0	20.72	20.81	20.87	20.87					
15	16QAM	36	20	20.74	20.84	20.69	20.69					
15	16QAM	36	20	20.74	20.84	20.69	20.69					
15	16QAM	75	0	20.73	20.83	20.75	20.75					
15	16QAM	1	0	20.70	20.72	20.67	20.67					
15	16QAM	1	16	20.70	20.72	20.67	20.67					
15	16QAM	1	74	20.70	20.72	20.67	20.67					
15	16QAM	1	124	20.70	20.72	20.67	20.67					
15	16QAM	1	174	20.70	20.72	20.67	20.67					
15	16QAM	36	36	19.72	19.86	19.74	19.74					
15	16QAM	36	36	19.72	19.83	19.81	19.81					
15	16QAM	75	0	19.86	19.82	19.88	19.88					
15	16QAM	75	0	19.86	19.82	19.88	19.88					
15	16QAM	1	0	17.86	17.89	17.84	17.84					
15	16QAM	1	16	17.86	17.89	17.84	17.84					
15	16QAM	50	24	17.86	17.84	17.88	17.88					
15	16QAM	50	24	17.86	17.89	17.89	17.89					
15	16QAM	50	50	17.76	17.81	17.69	17.69					
15	16QAM	50	50	17.76	17.81	17.69	17.69					
15	16QAM	100	0	17.86	17.89	17.84	17.84					
Frequency (MHz)				1865.0	1880.0	1890.0	1905.0					
10	QPSK	1	0	20.30	21.02	20.00	20.00					
10	QPSK	1	26	20.70	20.95	20.82	20.82					
10	QPSK	1	49	20.71	20.94	20.82	20.82					
10	QPSK	1	72	20.72	20.93	20.82	20.82					
10	QPSK	25	12	20.84	20.95	20.84	20.84					
10	QPSK	25	25	20.84	20.93	20.78	20.78					
10	QPSK	25	50	20.86	20.82	20.82	20.82					
10	16QAM	1	0	20.79	20.95	20.74	20.74					
10	16QAM	1	25	20.78	20.74	20.85	20.85					
10	16QAM	1	50	20.65	20.73	20.78	20.78					
10	16QAM	25	0	20.83	20.89	20.70	20.70					
10	16QAM	25	12	20.72	20.84	20.68	20.68					
10	16QAM	25	25	20.73	20.87	20.77	20.77					
10	16QAM	25	50	20.64	20.75	20.71	20.71					
10	16QAM	25	50	20.64	20.75	20.71	20.71					
10	16QAM	1	49	20.49	20.69	20.55	20.55					
10	16QAM	1	99	20.49	20.69	20.55	20.55					
10	16QAM	25	12	20.72	20.84	20.68	20.68					
10	16QAM	25	25	20.69	20.76	20.74	20.74					
10	16QAM	25	50	20.73	20.87	20.77	20.77					
10	16QAM	25	50	20.64	20.75	20.71	20.71					
10	16QAM	25	12	19.75	19.85	19.67	19.67					
10	16QAM	25	25	19.67	19.67	19.67	19.67					
10	16QAM	25	50	19.75	19.85	19.67	19.67					
10	25QAM	1	0	17.81	17.92	17.86	17.86					
10	25QAM	1	25	17.81	17.92	17.85	17.85					
10	25QAM	1	50	17.81	17.92	17.85	17.85					
10	25QAM	25	0	17.52	17.55	17.50	17.50					
10	25QAM	25	0	17.52	17.55	17.50	17.50					
10	25QAM	25	12	17.69	17.78	17.75	17.75					
10	25QAM	25	12	17.69	17.78	17.75	17.75					
10	25QAM	25	50	17.52	17.78	17.68	17.68					
Channel				1865.0	1880.0	1905.0	1915.0					
Frequency (MHz)				1865.0	1880.0	1890.0	1905.0					
5	QPSK	1	0	20.31	21.06	20.00	20.00					
5	QPSK	1	12	20.65	20.99	20.82	20.82					
5	QPSK	1	24	20.72	21.01	20.90	20.90					
5	QPSK	12	0	20.79	21.01	20.91	20.91					
5	QPSK	12	7	20.87	20.95	20.86	20.86					
5	QPSK	25	0	20.87	20.94	20.79	20.79					
5	QPSK	25	1	20.87	20.94	20.79	20.79					
5	16QAM	1	0	20.78	20.90	20.76	20.76					
5	16QAM	1	12	20.78	20.90	20.76	20.76					
5	16QAM	1	24	20.72	20.87	20.71	20.71					
5	16QAM	12	0	20.83	20.83	20.78	20.78					
5	16QAM	12	7	20.83	20.83	20.78	20.78					
5	16QAM	12	13	20.71	20.76	20.62	20.62					
5	16QAM	25	0	20.73	20.78	20.74	20.74					
5	16QAM	25	0	20.65	20.77	20.62	20.62					
5	16QAM	12	12	20.69	20.66	20.73	20.73					
5	16QAM	1	24	20.48	20.68	20.53	20.53					
5	16QAM	1	24	20.48	20.68	20.53	20.53					
5	16QAM	12	7	19.73	19.65	19.68	19.68					
5	16QAM	12	13	19.73	19.62	19.60	19.60					
5	16QAM	12	13	19.73	19.65	19.68	19.68					
5	25QAM	1	0	17.76	17.87	17.81	17.81					
5	25QAM	1	12	17.79	17.86	17.80	17.80					
5	25QAM	1	24	17.79	17.86	17.80	17.80					
5	25QAM	12	0	17.78	17.89	17.80	17.80					
5	25QAM	12	7	17.86	17.84	17.81	17.81					
5	25QAM	12	12	17.78	17.86	17.79	17.79					
5	25QAM	25	0	17.78	17.84	17.73	17.73					
Frequency (MHz)				1865.0	1880.0	1890.0	1905.0					
3	QPSK	1	0	20.31	21.00	20.31	20.31					
3	QPSK	1	8	20.76	20.94	20.81	20.81					
3	QPSK	1	16	20.79	20.92	20.80	20.80					
3	QPSK	8	0	20.97	20.99	20.84	20.84					
3	QPSK	8	4	20.82	21.00	20.88	20.88					
3	QPSK	16	0	20.89	20.87	20.71	20.71					
3	QPSK	15	0	20.84	20.86	20.66	20.66					
3	16QAM	1	0	20.82	20.94	20.77	20.77					
3	16QAM	1	8	20.72	20.85	20.71	20.71					
3	16QAM	1	14	20.68	20.88	20.77	20.77					
3	16QAM	8	0	20.74	20.88	20.76	20.76					
3	16QAM	8	8	20.72	20.84	20.74	20.74					
3	16QAM	8	7	20.66	20.81	20.60	20.60					
3	16QAM	1	0	20.78	20.80	20.70	20.70					
3	16QAM	1	8	20.71	20.74	20.68	20.68					
3	16QAM	1	8	20.61	20.74	20.65	20.65					
3	16QAM	8	0	20.77	20.71	20.66	20.66					
3	16QAM	8	8	19.79	19.79	19.73	19.73					
3	16QAM	8	4	19.71	19.64	19.69	19.69					
3	16QAM	16	0	19.73	19.63	19.67	19.67					
3	16QAM	16	0	19.73	19.63	19.67	19.67					
3	25QAM	1	0	17.84	17.94	17.88	17.88					
3	25QAM	1	8	17.84	17.94	17.88	17.88					
3	25QAM	1	14	17.81	17.82	17.78	17.78					
3	25QAM	8	0	17.88	17.92	17.79	17.79					
3	25QAM	8	7	17.76	17.81	17.71	17.71					
3	25QAM	15	0	17.76	17.81	17.71	17.71					
Frequency (MHz)				1865.0	1880.0	1890.0	1905.0					
1.4	QPSK	1	0	20.31	21.07	20.00	20.00					
1.4	QPSK	1	8	20.76	20.96	20.83	20.83					
1.4	QPSK	1	8	20.79	20.96	20.83	20.83					
1.4	QPSK	1	20	20.95	21.00	20.80	20.80					
1.4	QPSK	1	20	20.95	21.00	20.80	20.80					
1.4	QPSK	3	3	20.84	20.99	20.72	20.72					
1.4	QPSK	3	3	20.86	20.91	20.83	20.83					
1.4	16QAM	1	0	20.73	20.85	20.76	20.76					
1.4	16QAM	1	3	20.76	20.71	20.75	20.75					

Band 4 Ant1												
RF Band	Modulation	RF Size	RF Ch	Power (dBm)	Ch Freq.	Power (dBm)	Ch Freq.	Power (dBm)	Ch Freq.	Turn-on latency (dBs)	MFR (dB)	
Channel												
Frequency (MHz)												
20	QPSK	1	5	20.93	21.03	20.95						
20	QPSK	1	99	20.77	20.91	20.78				22	0	
20	QPSK	50	5	20.76	20.91	20.83						
20	QPSK	50	99	20.76	20.91	20.83						
20	QPSK	50	50	20.74	20.78	20.77				22	0	
20	QPSK	100	5	20.78	20.87	20.83						
20	QPSK	100	99	20.84	20.78	20.83						
20	HQAM	1	49	20.78	20.85	20.78				22	0	
20	HQAM	1	99	20.67	20.83	20.68						
20	HQAM	50	49	20.78	20.85	20.78						
20	HQAM	50	50	20.62	20.70	20.68				21.5	0.5	
20	HQAM	50	99	20.78	20.85	20.78						
20	HQAM	1	0	20.78	20.85	20.75				21.5	0.5	
20	HQAM	1	49	20.74	20.80	20.74						
20	HQAM	50	24	18.74	19.30	18.78						
20	HQAM	50	24	19.70	19.83	19.71				20.5	1.5	
20	HQAM	50	99	19.74	19.78	19.83						
20	HQAM	100	0	19.68	19.74	19.75						
20	HQAM	1	0	17.99	18.06	18.11				18.5	3.1	
20	HQAM	1	99	17.92	18.06	18.11						
20	HQAM	1	99	17.89	17.94	17.86						
20	HQAM	50	24	17.65	17.82	17.71				18.5	3.1	
20	HQAM	50	24	19.64	19.78	19.68						
20	HQAM	50	50	17.87	17.72	17.68				18.5	3.1	
20	HQAM	50	50	17.67	17.72	17.68						
Channel												
Frequency (MHz)												
15	QPSK	1	0	17.175	17.215	17.175				Turn-on latency (dBs)	MFR (dB)	
15	QPSK	1	0	20.86	21.02	20.78						
15	QPSK	1	99	20.70	20.88	20.73				22	0	
15	QPSK	1	74	20.66	20.68	20.73						
15	QPSK	36	39	20.63	20.65	20.74						
15	QPSK	36	39	20.60	20.67	20.69				22	0	
15	QPSK	75	0	20.69	20.75	20.76						
15	QPSK	75	0	20.66	20.75	20.76						
15	HQAM	1	37	20.67	20.78	20.62				22	0	
15	HQAM	1	99	20.67	20.78	20.62						
15	HQAM	36	39	20.67	20.75	20.65						
15	HQAM	36	20	20.58	20.69	20.63				21.5	0.5	
15	HQAM	75	0	20.67	20.78	20.62						
15	HQAM	75	0	20.58	20.68	20.63				20.5	0.5	
15	HQAM	1	0	20.68	20.78	20.63						
15	HQAM	1	99	20.67	20.78	20.63				21.5	0.5	
15	HQAM	1	74	20.48	20.62	20.64						
15	HQAM	36	39	19.70	19.78	19.74						
15	HQAM	36	39	19.55	19.68	19.57				20.5	1.5	
15	HQAM	75	0	19.65	19.67	19.63						
15	HQAM	75	0	19.52	19.65	19.57						
15	HQAM	1	37	17.78	18.01	17.84				18.5	3.5	
15	HQAM	1	74	17.78	17.81	17.73						
15	HQAM	1	99	17.67	17.74	17.65						
15	HQAM	36	20	17.62	17.65	17.65						
15	HQAM	36	39	17.42	17.60	17.54						
15	HQAM	75	0	17.57	17.44	17.50						
Channel												
Frequency (MHz)												
10	QPSK	1	20	20.90	21.05	20.90				Turn-on latency (dBs)	MFR (dB)	
10	QPSK	1	20	20.75	20.84	20.74				22	0	
10	QPSK	1	49	20.66	20.77	20.68						
10	QPSK	1	99	20.63	20.73	20.73						
10	QPSK	24	14	20.64	20.69	20.67				22	0	
10	QPSK	25	20	20.64	20.71	20.67						
10	QPSK	25	20	20.61	20.67	20.76						
10	HQAM	1	0	20.77	20.85	20.68						
10	HQAM	1	25	20.71	20.71	20.75				22	0	
10	HQAM	1	99	20.71	20.71	20.75						
10	HQAM	25	14	20.59	20.60	20.52				21.5	0.5	
10	HQAM	25	20	20.58	20.62	20.58						
10	HQAM	50	0	20.49	20.59	20.55						
10	HQAM	50	0	20.86	20.71	20.87				21.5	0.5	
10	HQAM	50	20	20.87	20.71	20.87						
10	HQAM	25	12	19.63	19.76	19.72						
10	HQAM	25	12	19.58	19.69	19.68				20.5	1.5	
10	HQAM	25	12	19.58	19.69	19.60						
10	HQAM	50	0	17.90	17.97	17.97						
10	HQAM	1	20	17.83	17.85	17.82				18.5	3.1	
10	HQAM	1	99	17.83	17.85	17.82						
10	HQAM	25	0	17.54	17.70	17.50						
10	HQAM	25	12	17.52	17.63	17.61				18.5	3.5	
10	HQAM	25	20	17.52	17.63	17.61						
10	HQAM	50	0	17.52	17.67	17.55						
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.975	19.975	19.975				Turn-on latency (dBs)	MFR (dB)	
5	QPSK	1	0	20.80	20.94	20.78						
5	QPSK	1	12	20.73	20.90	20.78				22	0	
5	QPSK	1	24	20.68	20.87	20.75						
5	QPSK	12	7	20.72	20.84	20.73						
5	QPSK	12	7	20.65	20.78	20.67				22	0	
5	QPSK	25	0	20.68	20.73	20.73						
5	QPSK	25	0	20.66	20.73	20.73						
5	HQAM	1	0	20.75	20.87	20.75						
5	HQAM	1	12	20.75	20.87	20.75						
5	HQAM	1	24	20.57	20.75	20.63				22	0	
5	HQAM	12	5	20.67	20.68	20.68						
5	HQAM	12	5	20.64	20.68	20.68						
5	HQAM	12	18	20.59	20.60	20.55				21.5	0.5	
5	HQAM	25	0	20.55	20.63	20.55						
5	HQAM	25	12	20.55	20.63	20.55						
5	HQAM	1	12	20.55	20.73	20.64				21.5	0.5	
5	HQAM	1	24	20.51	20.58	20.50						
5	HQAM	12	18	19.55	19.61	19.57				20.5	1.5	
5	HQAM	12	7	19.55	19.71	19.57						
5	HQAM	12	18	19.56	19.70	19.58						
5	HQAM	25	12	19.58	19.64	19.64						
5	HQAM	1	0	17.94	18.00	17.88				18.5	3.5	
5	HQAM	1	12	17.96	17.98	17.88						
5	HQAM	1	24	17.82	17.88	17.74						
5	HQAM	12	0	17.61	17.78	17.63						
5	HQAM	12	7	17.55	17.70	17.65				18.5	3.1	
5	HQAM	12	18	17.44	17.61	17.48						
5	HQAM	25	12	17.57	17.69	17.65						
Channel												
Frequency (MHz)												
3	QPSK	1	0	20.79	21.04	20.79				Turn-on latency (dBs)	MFR (dB)	
3	QPSK	1	8	20.69	20.80	20.71				22	0	
3	QPSK	1	16	20.72	20.83	20.74						
3	QPSK	8	0	20.84	20.88	20.77						
3	QPSK	8	8	20.68	20.78	20.84				22	0	
3	QPSK	8	16	20.61	20.72	20.81						
3	QPSK	15	0	20.73	20.73	20.68						
3	HQAM	1	0	20.73	20.81	20.70						
3	HQAM	1	8	20.59	20.69	20.62						
3	HQAM	1	16	20.53	20.73	20.54				21.5	0.5	
3	HQAM	8	0	20.61	20.71	20.62						
3	HQAM	8	8	20.69	20.78	20.69						
3	HQAM	8	7	20.47	20.63	20.58				20.5	0.5	
3	HQAM	15	0	20.52	20.72	20.61						
3	HQAM	15	7	20.75	20.75	20.64						
3	HQAM	1	8	20.54	20.78	20.62				21.5	0.5	
3	HQAM	8	8	20.57	20.78	20.67						
3	HQAM	8	16	19.59	19.73	19.67				20.5	1.5	
3	HQAM	8	4	19.58	19.68	19.59						
3	HQAM	15	0	19.71	19.87	19.71						
3	HQAM	15	0	19.55	19.61	19.71				20.5	1.5	
3	HQAM	1	0	17.68	18.00	17.68						
3	HQAM	1	8	17.62	17.82	17.73				18.5	3.5	
3	HQAM	1	16	17.75	17.87	17.83						
3	HQAM	8	0	17.51	17.71	17.66						
3	HQAM	8	7	17.42	17.61	17.56				18.5	3.5	
3	HQAM	15	0	17.55	17.71	17.62						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	20.80	20.99	20.81				Turn-on latency (dBs)	MFR (dB)	
1.4	QPSK	1	8	20.66	20.86	20.79				22	0	
1.4	QPSK	1	16	20.68	20.79	20.74						
1.4	QPSK	3	0	20.67	20.78	20.78						

Band 5 Ant1												
RF Band	Modulation	RF Sigs	RF Chans	Power (mW)	Power (dBm)	Power (dBm)	Power (dBm)	Time-slot (ms)	MPR (dB)			
Channel												
Frequency (MHz)												
10	QPSK	1	9	21.22	21.31	21.38						
10	QPSK	1	28	21.08	21.17	21.25		22	0			
10	QPSK	1	49	21.08	21.15	21.12						
10	QPSK	25	6	21.13	21.23	21.19						
10	QPSK	25	11	21.16	21.26	21.22						
10	QPSK	25	26	20.99	21.09	21.03		22	0			
10	QPSK	50	6	21.03	21.18	21.14						
10	QPSK	50	11	21.06	21.16	21.11						
10	QPSK	1	26	21.04	21.03	20.98		22	0			
10	QPSK	1	49	20.90	21.00	20.97						
10	QPSK	25	6	20.96	21.06	21.02						
10	QPSK	25	12	20.93	21.07	20.98		21.5	0.5			
10	QPSK	25	26	20.90	20.99	20.92						
10	QPSK	50	6	20.92	21.02	20.98						
10	QPSK	1	6	20.86	20.90	20.87						
10	QPSK	1	26	20.79	20.83	20.85		21.5	0.5			
10	QPSK	1	49	20.76	20.86	20.80						
10	QPSK	25	6	20.73	20.86	20.80						
10	QPSK	25	12	20.68	20.80	20.76		20.5	1.5			
10	QPSK	25	26	20.65	20.76	20.69						
10	QPSK	50	6	20.64	20.81	20.74						
10	QPSK	1	6	20.61	20.76	20.70						
10	QPSK	1	26	20.57	20.70	20.66						
10	QPSK	1	49	20.57	20.73	20.68						
10	QPSK	25	6	20.53	20.68	20.63		18.5	3			
10	QPSK	25	12	20.51	20.67	20.58						
10	QPSK	25	26	20.48	20.59	20.52		18.5	3			
10	QPSK	50	6	20.45	20.65	20.59						
10	QPSK	1	49	20.42	20.58	20.53						
10	QPSK	25	6	20.39	20.55	20.50						
10	QPSK	25	12	20.39	20.58	20.54		22	0			
10	QPSK	25	26	20.36	20.47	20.40						
10	QPSK	50	6	20.35	20.52	20.45						
10	QPSK	1	26	20.32	20.48	20.43						
10	QPSK	1	49	20.28	20.45	20.40						
10	QPSK	25	6	20.25	20.42	20.37						
10	QPSK	25	12	20.25	20.43	20.39		21.5	0.5			
10	QPSK	25	26	20.22	20.36	20.32						
10	QPSK	50	6	20.20	20.38	20.33						
10	QPSK	1	6	20.18	20.36	20.31						
10	QPSK	1	26	20.15	20.33	20.28		21.5	0.5			
10	QPSK	1	49	20.12	20.30	20.25						
10	QPSK	25	6	20.09	20.27	20.22						
10	QPSK	25	12	20.07	20.26	20.21		20.5	1.5			
10	QPSK	25	26	20.04	20.24	20.20						
10	QPSK	50	6	20.02	20.21	20.16						
10	QPSK	1	12	20.00	20.18	20.14		18.5	3			
10	QPSK	1	28	20.00	20.18	20.14						
10	QPSK	1	49	20.00	20.18	20.14						
10	QPSK	25	6	20.00	20.18	20.14						
10	QPSK	25	11	20.00	20.18	20.14						
10	QPSK	25	26	20.00	20.18	20.14						
10	QPSK	50	6	20.00	20.18	20.14						
10	QPSK	50	11	20.00	20.18	20.14						
10	QPSK	1	26	20.00	20.18	20.14						
10	QPSK	1	49	20.00	20.18	20.14						
10	QPSK	25	6	20.00	20.18	20.14						
10	QPSK	25	12	20.00	20.18	20.14						
10	QPSK	25	26	20.00	20.18	20.14						
10	QPSK	50	6	20.00	20.18	20.14						
10	QPSK	50	11	20.00	20.18	20.14						
10	QPSK	1	26	20.00	20.18	20.14						
10	QPSK	1	49	20.00	20.18	20.14						
10	QPSK	25	6	20.00	20.18	20.14						
10	QPSK	25	12	20.00	20.18	20.14						
10	QPSK	25	26	20.00	20.18	20.14						
10	QPSK	50	6	20.00	20.18	20.14						
10	QPSK	50	11	20.00	20.18	20.14						
10	QPSK	1	26	20.00	20.18	20.14						
10	QPSK	1	49	20.00	20.18	20.14						
10	QPSK	25	6	20.00	20.18	20.14						
10	QPSK	25	12	20.00	20.18	20.14						
10	QPSK	25	26	20.00	20.18	20.14						
10	QPSK	50	6	20.00	20.18	20.14						
10	QPSK	50	11	20.00	20.18	20.14						
10	QPSK	1	26	20.00	20.18	20.14						
10	QPSK	1	49	20.00	20.18	20.14						
10	QPSK	25	6	20.00	20.18	20.14						
10	QPSK	25	12	20.00	20.18	20.14						
10	QPSK	25	26	20.00	20.18	20.14						
10	QPSK	50	6	20.00	20.18	20.14						
10	QPSK	50	11	20.00	20.18	20.14						
10	QPSK	1	26	20.00	20.18	20.14						
10	QPSK	1	49	20.00	20.18	20.14						
10	QPSK	25	6	20.00	20.18	20.14						
10	QPSK	25	12	20.00	20.18	20.14						
10	QPSK	25	26	20.00	20.18	20.14						
10	QPSK	50	6	20.00	20.18	20.14						
10	QPSK	50	11	20.00	20.18	20.14						
10	QPSK	1	26	20.00	20.18	20.14						
10	QPSK	1	49	20.00	20.18	20.14						
10	QPSK	25	6	20.00	20.18	20.14						
10	QPSK	25	12	20.00	20.18	20.14						
10	QPSK	25	26	20.00	20.18	20.14						
10	QPSK	50	6	20.00	20.18	20.14						
10	QPSK	50	11	20.00	20.18	20.14						
10	QPSK	1	26	20.00	20.18	20.14						
10	QPSK	1	49	20.00	20.18	20.14						
10	QPSK	25	6	20.00	20.18	20.14						
10	QPSK	25	12	20.00	20.18	20.14						
10	QPSK	25	26	20.00	20.18	20.14						
10	QPSK	50	6	20.00	20.18	20.14						
10	QPSK	50	11	20.00	20.18	20.14						
10	QPSK	1	26	20.00	20.18	20.14						
10	QPSK	1	49	20.00	20.18	20.14						
10	QPSK	25	6	20.00	20.18	20.14						
10	QPSK	25	12	20.00	20.18	20.14						
10	QPSK	25	26	20.00	20.18	20.14						
10	QPSK	50	6	20.00	20.18	20.14						
10	QPSK	50	11	20.00	20.18	20.14						
10	QPSK	1	26	20.00	20.18	20.14						
10	QPSK	1	49	20.00	20.18	20.14						
10	QPSK	25	6	20.00	20.18	20.14						
10	QPSK	25	12	20.00	20.18	20.14						
10	QPSK	25	26	20.00	20.18	20.14						
10	QPSK	50	6	20.00	20.18	20.14						
10	QPSK	50	11	20.00	20.18	20.14						
10	QPSK	1	26	20.00	20.18	20.14						
10	QPSK	1	49	20.00	20.18	20.14						
10	QPSK	25	6	20.00	20.18	20.14						
10	QPSK	25	12	20.00	20.18	20.14						
10	QPSK	25	26	20.00	20.18	20.14						
10	QPSK	50	6	20.00	20.18	20.14						
10	QPSK	50	11	20.00	20.18	20.14						
10	QPSK	1	26	20.00	20.18	20.14						
10	QPSK	1	49	20.00	20.18	20.14						
10	QPSK	25	6	20.00	20.18	20.14						
10	QPSK	25	12	20.00	20.18	20.14						
10	QPSK	25	26	20.00	20.18	20.14						
10	QPSK	50	6	20.00	20.18	20.14						
10	QPSK	50	11	20.00	20.18	20.14						
10	QPSK	1	26	20.00	20.18	20.14						
10	QPSK	1	49	20.00	20.18	20.14						
10	QPSK	25	6	20.00	20.18	20.14						
10	QPSK	25	12	20.00	20.18	20.14						
10	QPSK	25	26	20.00	20.18	20.14						
10	QPSK	50	6	20.00	20.18	20.14						
10	QPSK	50	11	20.00	20.18	20.14						
10	QPSK	1	26	20.00	20.18	20.14						
10	QPSK	1	49	20.00	20.18	20.14						
10	QPSK	25	6	20.00	20.18	20.14						
10	QPSK	25	12	20.00	20.18	20.14						
10	QPSK	25	26	20.00	20.18	20.14						
10	QPSK	50	6	20.00	20.18	20.14						
10	QPSK	50	11	20.00	20.18	20.14						
10	QPSK	1	26	20.00	20.18	20.14						
10	QPSK	1	49	20.00	20.18	20.14						
10	QPSK	25										

Band 7 Ant1									
Ref (MHz)	Modulation	RB Size	RB Offset	Power (mW)	Power Ch./Freq.	Power (mW)	Power Ch./Freq.	Time-on- air (dB)	MPR (dB)
Channel 20000 20100 20200									
20	QPSK	1	0	21.62	21.70	21.60			
20	QPSK	1	49	21.62	21.63	21.63		23	0
20	QPSK	1	99	21.45	21.45	21.45			
20	QPSK	50	0	21.50	21.68	21.56			
20	QPSK	50	49	21.47	21.50	21.47		23	0
20	QPSK	50	99	21.36	21.45	21.47			
20	QPSK	100	0	21.52	21.63	21.47			
20	QPSK	100	49	21.47	21.50	21.47		23	0
20	IQMAM	1	49	21.35	21.42	21.35		23	0
20	IQMAM	1	99	21.30	21.44	21.35			
20	IQMAM	50	0	21.47	21.58	21.47			
20	IQMAM	50	24	21.30	21.38	21.38		23	0
20	IQMAM	50	50	21.25	21.35	21.37			
20	IQMAM	50	75	21.27	21.38	21.35			
20	IQMAM	1	0	21.32	21.47	21.35			
20	IQMAM	1	49	21.27	21.29	21.28		23	0
20	IQMAM	1	49	21.30	21.35	21.30			
20	IQMAM	50	0	20.41	20.52	20.45			
20	IQMAM	50	24	20.35	20.35	20.32		22	1
20	IQMAM	50	50	20.37	20.43	20.34			
20	IQMAM	100	0	20.49	20.53	20.47			
20	IQMAM	1	0	18.46	18.60	18.52		20	
20	IQMAM	1	49	18.43	18.43	18.43			
20	IQMAM	50	0	18.34	18.43	18.43		20	
20	IQMAM	50	24	18.34	18.44	18.35			
20	IQMAM	50	50	18.45	18.45	18.45			
Channel 20000 20100 20200									
Frequency (MHz)				20075	21000	21025		Time-on- air (dB)	MPR (dB)
15	QPSK	1	0	21.50	21.66	21.66			
15	QPSK	1	49	21.38	21.40	21.40		23	0
15	QPSK	1	74	21.27	21.40	21.33			
15	QPSK	30	0	21.37	21.81	21.53			
15	QPSK	30	24	21.34	21.43	21.40		23	0
15	QPSK	30	39	21.30	21.35	21.37			
15	IQMAM	1	0	21.40	21.53	21.36			
15	IQMAM	1	49	21.39	21.50	21.39		23	0
15	IQMAM	1	37	21.25	21.38	21.25			
15	IQMAM	30	0	21.21	21.58	21.23		23	0
15	IQMAM	30	5	21.25	21.45	21.33			
15	IQMAM	30	20	21.23	21.29	21.24		23	0
15	IQMAM	30	35	21.43	21.43	21.43			
15	IQMAM	75	0	21.28	21.30	21.27			
15	IQMAM	1	0	21.24	21.40	21.25			
15	IQMAM	1	49	21.25	21.35	21.25		23	0
15	IQMAM	1	74	21.03	21.22	21.10			
15	IQMAM	30	0	20.34	20.42	20.36			
15	IQMAM	30	24	20.35	20.35	20.35		22	1
15	IQMAM	30	39	20.13	20.28	20.18			
15	IQMAM	75	0	20.39	20.47	20.34			
15	IQMAM	1	0	18.37	18.37	18.37		20	
15	IQMAM	1	37	18.36	18.53	18.30		20	3
15	IQMAM	1	74	18.23	18.36	18.30			
15	IQMAM	30	0	18.30	18.50	18.30		20	
15	IQMAM	30	20	18.32	18.33	18.35		20	3
15	IQMAM	30	35	18.25	18.37	18.25			
15	IQMAM	75	0	18.43	18.43	18.43			
Channel 20000 20100 20200									
Frequency (MHz)				20075	21000	21025		Time-on- air (dB)	MPR (dB)
5	QPSK	1	0	21.62	21.63	21.63			
5	QPSK	1	24	21.34	21.42	21.43		23	0
5	QPSK	1	49	21.35	21.39	21.26			
5	QPSK	1	74	21.40	21.57	21.45			
5	QPSK	12	7	21.41	21.41	21.43		23	0
5	QPSK	12	19	21.41	21.41	21.43			
5	QPSK	25	0	21.46	21.64	21.35			
5	IQMAM	1	0	21.38	21.46	21.37			
5	IQMAM	1	24	21.25	21.38	21.25		23	0
5	IQMAM	1	49	21.25	21.38	21.25			
5	IQMAM	1	74	21.28	21.30	21.23			
5	IQMAM	12	0	21.19	21.53	21.38		23	0
5	IQMAM	12	12	21.19	21.50	21.35			
5	IQMAM	25	13	21.18	21.31	21.33			
5	IQMAM	1	0	21.25	21.42	21.27		23	0
5	IQMAM	1	12	21.23	21.22	21.16		23	0
5	IQMAM	1	24	21.05	21.22	21.05			
5	IQMAM	12	0	20.30	20.39	20.30		22	1
5	IQMAM	12	7	20.34	20.26	20.17			
5	IQMAM	25	13	20.19	20.27	20.12			
5	IQMAM	1	0	19.37	19.39	19.35			
5	IQMAM	1	0	18.36	18.50	18.47		20	3
5	IQMAM	1	12	18.43	18.59	18.24			
5	IQMAM	1	24	18.26	18.36	18.31			
5	IQMAM	12	0	18.28	18.48	18.30		20	
5	IQMAM	12	13	18.25	18.40	18.32			
5	IQMAM	25	13	18.30	18.41	18.25		20	3
5	IQMAM	25	0	18.31	18.51	18.35			



Band 12 Ant1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Mod Ch / Freq	Power Mod Ch / Freq	Power Mod Ch / Freq	Tune-up Int (dB)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	21.61	21.73	21.68			23	0		
10	QPSK	1	25	21.43	21.51	21.52						
10	QPSK	1	49	21.47	21.49	21.52						
10	QPSK	25	0	21.60	21.70	21.56			23	0		
10	QPSK	25	12	21.55	21.63	21.53						
10	QPSK	25	25	21.48	21.49	21.46						
10	QPSK	50	0	21.51	21.57	21.45			23	0		
10	16QAM	1	0	21.55	21.63	21.51						
10	16QAM	1	25	21.40	21.49	21.36						
10	16QAM	1	49	21.35	21.46	21.44			22.5	0.5		
10	16QAM	25	0	21.59	21.59	21.49						
10	16QAM	25	12	21.34	21.49	21.40						
10	16QAM	25	25	21.38	21.39	21.41			22.5	0.5		
10	16QAM	50	0	21.53	21.54	21.40						
10	64QAM	1	0	21.34	21.50	21.36			22.5	0.5		
10	64QAM	1	25	21.26	21.26	21.33						
10	64QAM	1	49	21.24	21.36	21.28						
10	64QAM	25	0	20.40	20.53	20.43			21.5	1.5		
10	64QAM	25	12	20.37	20.43	20.31						
10	64QAM	25	25	20.35	20.34	20.33						
10	256QAM	1	25	18.44	18.52	18.46			19.5	3.5		
10	256QAM	1	49	18.42	18.52	18.43						
10	256QAM	25	0	18.35	18.35	18.42						
10	256QAM	25	12	18.26	18.37	18.36			18.5	3.5		
10	256QAM	25	25	18.24	18.32	18.32						
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.56	21.63	21.54					23	0
5	QPSK	1	12	21.37	21.49	21.43						
5	QPSK	1	24	21.33	21.44	21.40						
5	QPSK	12	0	21.51	21.56	21.44			23	0		
5	QPSK	12	7	21.49	21.58	21.50						
5	QPSK	12	13	21.34	21.39	21.41						
5	QPSK	25	0	21.40	21.46	21.39			23	0		
5	16QAM	1	0	21.48	21.51	21.40						
5	16QAM	1	12	21.36	21.37	21.23						
5	16QAM	1	24	21.22	21.37	21.31			22.5	0.5		
5	16QAM	12	0	21.31	21.46	21.41						
5	16QAM	12	7	21.23	21.39	21.27						
5	16QAM	25	0	21.26	21.43	21.34			22.5	0.5		
5	64QAM	1	0	21.20	21.36	21.22						
5	64QAM	1	12	21.07	21.17	21.27						
5	64QAM	1	24	21.13	21.25	21.20			21.5	1.5		
5	64QAM	12	0	20.31	20.41	20.36						
5	64QAM	12	7	20.36	20.36	20.26						
5	64QAM	12	13	20.17	20.25	20.15			19.5	3.5		
5	64QAM	25	0	20.15	20.22	20.24						
5	256QAM	1	12	18.31	18.50	18.45						
5	256QAM	1	12	18.30	18.50	18.46			19.5	3.5		
5	256QAM	1	24	18.28	18.31	18.25						
5	256QAM	12	0	18.30	18.45	18.34						
5	256QAM	12	7	18.17	18.24	18.23			19.5	3.5		
5	256QAM	12	13	18.20	18.23	18.28						
5	256QAM	25	0	18.30	18.42	18.17						
Channel												
Frequency (MHz)												
3	QPSK	1	0	21.46	21.48	21.43			23	0		
3	QPSK	1	8	21.32	21.54	21.37						
3	QPSK	1	14	21.42	21.43	21.38						
3	QPSK	3	0	21.55	21.59	21.45			23	0		
3	QPSK	3	8	21.48	21.52	21.39						
3	QPSK	3	7	21.32	21.40	21.38						
3	QPSK	16	0	21.57	21.53	21.37			23	0		
3	16QAM	1	0	21.47	21.57	21.37						
3	16QAM	1	8	21.30	21.41	21.33						
3	16QAM	1	14	21.22	21.44	21.36			22.5	0.5		
3	16QAM	8	0	21.26	21.49	21.41						
3	16QAM	8	4	21.21	21.38	21.30						
3	16QAM	8	7	21.28	21.32	21.27			22.5	0.5		
3	16QAM	15	0	21.22	21.47	21.36						
3	64QAM	1	0	21.20	21.40	21.29						
3	64QAM	1	8	21.12	21.29	21.18			21.5	1.5		
3	64QAM	1	14	21.12	21.23	21.16						
3	64QAM	8	0	20.37	20.43	20.39						
3	64QAM	8	4	20.33	20.35	20.25			19.5	1.5		
3	64QAM	8	7	20.16	20.19	20.27						
3	64QAM	15	0	20.19	20.25	20.22						
3	256QAM	1	0	18.30	18.47	18.36			19.5	3.5		
3	256QAM	1	8	18.27	18.49	18.43						
3	256QAM	1	14	18.28	18.33	18.26						
3	256QAM	8	0	18.26	18.40	18.31			19.5	3.5		
3	256QAM	8	4	18.18	18.26	18.26						
3	256QAM	8	7	18.20	18.15	18.29						
3	256QAM	15	0	18.23	18.36	18.17			22.5	0.5		
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	21.46	21.48	21.43			23	0		
1.4	QPSK	1	3	21.35	21.50	21.40						
1.4	QPSK	1	5	21.40	21.44	21.45						
1.4	QPSK	3	0	21.57	21.51	21.41			23	0		
1.4	QPSK	3	1	21.48	21.59	21.39						
1.4	QPSK	3	3	21.35	21.33	21.35						
1.4	QPSK	3	3	21.39	21.60	21.36			23	0		
1.4	16QAM	1	0	21.50	21.58	21.39						
1.4	16QAM	1	3	21.34	21.40	21.33						
1.4	16QAM	1	6	21.26	21.43	21.40			23	0		
1.4	16QAM	3	0	21.28	21.48	21.36						
1.4	16QAM	3	1	21.26	21.44	21.28						
1.4	16QAM	3	3	21.23	21.37	21.35			22.5	0.6		
1.4	16QAM	6	0	21.21	21.48	21.34						
1.4	64QAM	1	0	21.28	21.47	21.27						
1.4	64QAM	1	3	21.13	21.21	21.19			22.5	0.5		
1.4	64QAM	1	5	21.19	21.28	21.18						
1.4	64QAM	3	0	21.23	21.36	21.32						
1.4	64QAM	3	1	21.23	21.23	21.20			21.5	1.5		
1.4	64QAM	3	3	21.10	21.22	21.17						
1.4	64QAM	6	0	20.39	20.41	20.29						
1.4	256QAM	1	0	18.37	18.49	18.44			19.5	3.5		
1.4	256QAM	1	3	18.33	18.50	18.44						
1.4	256QAM	3	0	18.29	18.26	18.24						
1.4	256QAM	3	1	18.27	18.36	18.30			19.5	3.5		
1.4	256QAM	3	1	18.14	18.50	18.24						
1.4	256QAM	6	0	18.27	18.36	18.19						

Band 13 Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mod Ch / Freq	Power High Ch / Freq	Tune-up Int (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0		21.67				23	0
10	QPSK	1	25		21.48					
10	QPSK	1	49		21.50					
10	QPSK	25	0		21.63				23	0
10	QPSK	25	12		21.50					
10	QPSK	25	25		21.39					
10	QPSK	50	0		21.56				23	0
10	16QAM	1	0		21.50					
10	16QAM	1	25		21.45					
10	16QAM	1	49		21.45				22.5	0.5
10	16QAM	25	0		21.47					
10	16QAM	25	12		21.45					
10	16QAM	25	25		21.40					
10	16QAM	50	0		21.36					
10	16QAM	50	25		21.19					
10	16QAM	1	26		21.04				22.0	0.5
10	16QAM	1	49		21.02					
10	16QAM	1	73		20.21					
10	16QAM	25	12		20.12				21.5	1.5
10	16QAM	25	25		20.14					
10	16QAM	25	49		19.92					
10	25QAM	1	0		18.18					
10	25QAM	1	25		18.12				19.5	3.5
10	25QAM	1	49		17.99					
10	25QAM	25	0		18.14					
10	25QAM	25	12		17.97				19.5	3.5
10	25QAM	25	25		17.92					
10	25QAM	50	0		18.12					
				270.5	270.5	270.5	Unk- Int (dB)	MPR (dB)		
				776.5	776.5	776.5				
5	QPSK	1	0	21.53	21.62	21.58			23	0
5	QPSK	1	12	21.42	21.44	21.34				
5	QPSK	1	24	21.42	21.38	21.43				
5	QPSK	12	0	21.54	21.57	21.57			23	0
5	QPSK	12	7	21.46	21.45	21.36				
5	QPSK	12	14	21.52	21.52	21.52				
5	QPSK	25	0	21.45	21.46	21.45			22.5	0.5
5	16QAM	1	0	21.47	21.37	21.38				
5	16QAM	1	24	21.31	21.31	21.20				
5	16QAM	1	24	21.36	21.37	21.42			22.5	0.5
5	16QAM	12	0	21.33	21.33	21.42				
5	16QAM	12	7	21.33	21.33	21.33				
5	16QAM	12	13	21.28	21.27	21.28			22.5	0.5
5	16QAM	25	0	21.26	21.32	21.32			22.0	0.5
5	16QAM	25	1	21.08	21.14	21.14				
5	16QAM	1	12	20.26	20.34	20.37				
5	16QAM	1	24	20.34	20.01	20.05			21.5	1.5
5	16QAM	12	7	20.14	20.13	20.18				
5	16QAM	12	7	20.08	20.08	20.05				
5	16QAM	52	13	20.04	20.01	20.07			19.0	3.5
5	25QAM	1	0	18.77	18.77	18.77				
5	25QAM	1	0	18.11	18.15	18.08				
5	25QAM	1	12	18.07	18.07	18.01			19.5	3.5
5	25QAM	1	24	17.96	18.00	17.95			19.0	3.5
5	25QAM	12	12	18.08	18.10	18.10				
5	25QAM	12	7	17.83	18.03	17.85				
5	25QAM	52	13	17.85	17.85	17.85			19.0	3.5
5	25QAM	1	0	18.04	18.07	18.07				

Band 25 Ant1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.00	21.11	21.06		22	0			
20	QPSK	1	48	21.84	21.93	21.83						
20	QPSK	1	96	20.83	20.82	20.87		22	0			
20	QPSK	50	0	20.92	21.05	20.96						
20	QPSK	50	24	20.84	20.85	20.85		22	0			
20	QPSK	50	50	20.76	20.87	20.80						
20	QPSK	100	0	20.89	21.02	20.94		22	0			
20	16QAM	1	0	20.87	21.06	20.93						
20	16QAM	1	48	20.83	20.89	20.89		22	0			
20	16QAM	1	96	20.78	20.85	20.80						
20	16QAM	50	0	20.84	21.00	20.92		22	0			
20	16QAM	50	24	20.77	20.89	20.81						
20	16QAM	50	50	20.74	20.79	20.75		22	0			
20	16QAM	100	0	20.82	20.94	20.81						
20	64QAM	1	0	20.88	21.09	20.97		22	0			
20	64QAM	1	48	20.82	20.89	20.89						
20	64QAM	1	96	20.88	20.89	20.80		22	0			
20	64QAM	50	0	20.89	21.01	20.89						
20	64QAM	50	24	20.81	20.89	20.84		22	0			
20	64QAM	50	50	20.73	20.75	20.74						
20	64QAM	100	0	20.86	20.95	20.92		19	3			
20	256QAM	1	0	17.66	17.67	17.66						
20	256QAM	1	48	17.92	18.07	17.88		19	3			
20	256QAM	1	96	17.77	17.84	17.77						
20	256QAM	50	0	17.86	17.88	17.86		19	3			
20	256QAM	50	24	17.80	17.85	17.84						
20	256QAM	50	50	17.71	17.82	17.78		19	3			
20	256QAM	100	0	17.82	17.88	17.80						
Channel												
Frequency (MHz)												
18	QPSK	1	0	20.89	21.07	20.96		22	0			
18	QPSK	1	48	20.75	20.81	20.79						
18	QPSK	1	74	20.79	20.84	20.78		22	0			
18	QPSK	36	0	20.83	20.94	20.91						
18	QPSK	36	20	20.80	20.77	20.77		22	0			
18	QPSK	36	36	20.62	20.75	20.74						
18	QPSK	75	0	20.62	20.86	20.68		22	0			
18	16QAM	1	0	20.80	20.88	20.88						
18	16QAM	1	37	20.77	20.83	20.79		22	0			
18	16QAM	1	74	20.69	20.67	20.66						
18	16QAM	36	0	20.71	20.86	20.71		22	0			
18	16QAM	36	20	20.71	20.88	20.74						
18	16QAM	36	20	20.71	20.88	20.74		22	0			
18	16QAM	75	0	20.78	20.81	20.81						
18	64QAM	1	0	20.83	21.06	20.86		22	0			
18	64QAM	1	48	20.89	21.09	20.89						
18	64QAM	1	74	20.74	20.85	20.70		22	0			
18	64QAM	36	0	20.78	20.86	20.75						
18	64QAM	36	20	20.78	20.86	20.75		22	0			
18	64QAM	36	36	20.62	20.83	20.60						
18	64QAM	75	0	20.67	20.81	20.68		22	0			
18	256QAM	1	0	17.80	17.81	17.80						
18	256QAM	1	37	17.88	18.03	17.78		19	3			
18	256QAM	1	74	17.83	17.71	17.83						
18	256QAM	36	0	17.86	17.84	17.86		19	3			
18	256QAM	36	20	17.69	17.78	17.77						
18	256QAM	36	36	17.66	17.78	17.67		19	3			
18	256QAM	75	0	17.82	17.86	17.82						
Channel												
Frequency (MHz)												
16	QPSK	1	0	20.86	21.02	21.02		22	0			
16	QPSK	1	26	20.78	20.93	20.85						
16	QPSK	1	49	20.78	20.80	20.73		22	0			
16	QPSK	12	0	20.81	20.88	20.86						
16	QPSK	25	10	20.77	20.77	20.78		22	0			
16	QPSK	25	25	20.63	20.78	20.73						
16	QPSK	80	0	20.78	20.86	20.86		22	0			
16	16QAM	1	0	20.80	20.97	20.82						
16	16QAM	1	26	20.74	20.78	20.79		22	0			
16	16QAM	1	48	20.75	20.81	20.75						
16	16QAM	25	0	20.77	20.91	20.75		22	0			
16	16QAM	25	12	20.68	20.84	20.67						
16	16QAM	36	0	20.67	20.84	20.62		22	0			
16	16QAM	50	0	20.78	20.81	20.65						
16	64QAM	1	0	20.80	21.05	20.89		22	0			
16	64QAM	1	26	20.77	20.85	20.77						
16	64QAM	1	48	20.84	20.89	20.68		22	0			
16	64QAM	25	0	20.79	20.88	20.74						
16	64QAM	25	10	20.68	20.86	20.77		22	0			
16	64QAM	25	25	20.65	20.88	20.62						
16	64QAM	50	0	20.71	20.81	20.61		22	0			
16	256QAM	1	0	17.87	18.03	17.82						
16	256QAM	1	26	17.88	17.99	17.74		19	3			
16	256QAM	1	48	17.71	17.75	17.82						
16	256QAM	12	0	17.80	17.85	17.82		19	3			
16	256QAM	25	12	17.74	17.71	17.77						
16	256QAM	25	25	17.84	17.74	17.74		19	3			
16	256QAM	50	0	17.82	17.86	17.78						
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.84	21.00	21.01		22	0			
5	QPSK	1	12	20.80	20.84	20.89						
5	QPSK	1	24	20.69	20.81	20.80		22	0			
5	QPSK	12	0	20.78	20.86	20.82						
5	QPSK	12	7	20.73	20.83	20.74		22	0			
5	QPSK	12	13	20.64	20.74	20.67						
5	QPSK	26	0	20.81	20.82	20.80		22	0			
5	16QAM	1	0	20.73	20.92	20.82						
5	16QAM	1	12	20.73	20.81	20.75		22	0			
5	16QAM	1	24	20.68	20.71	20.76						
5	16QAM	12	0	20.77	20.86	20.86		22	0			
5	16QAM	12	7	20.72	20.78	20.72						
5	16QAM	12	13	20.64	20.74	20.67		22	0			
5	16QAM	25	0	20.69	20.84	20.83						
5	64QAM	1	0	20.85	21.04	20.91		22	0			
5	64QAM	1	12	20.85	20.88	20.81						
5	64QAM	1	24	20.77	20.79	20.69		22	0			
5	64QAM	12	0	20.75	20.82	20.84						
5	64QAM	12	7	20.77	20.74	20.70		22	0			
5	64QAM	12	13	20.59	20.68	20.63						
5	64QAM	25	0	20.74	20.84	20.84		22	0			
5	256QAM	1	0	17.77	18.03	17.77						
5	256QAM	1	12	17.81	18.02	17.74		19	3			
5	256QAM	1	24	17.73	17.70	17.89						
5	256QAM	12	0	17.76	17.87	17.75		19	3			
5	256QAM	12	10	17.82	17.70	17.74						
5	256QAM	25	0	17.83	18.04	17.83		19	3			
Channel												
Frequency (MHz)												
3	QPSK	1	0	20.86	20.89	20.88		22	0			
3	QPSK	1	8	20.75	20.83	20.87						
3	QPSK	1	14	20.71	20.87	20.79		22	0			
3	QPSK	8	0	20.81	21.02	20.91						
3	QPSK	8	4	20.73	20.83	20.75		22	0			
3	QPSK	15	0	20.81	20.94	20.83						
3	QPSK	15	8	20.76	20.86	20.78		22	0			
3	16QAM	1	0	20.79	20.98	20.85						
3	16QAM	1	8	20.78	20.94	20.88		22	0			
3	16QAM	1	14	20.65	20.79	20.72						
3	16QAM	8	0	20.82	20.94	20.87		22	0			
3	16QAM	8	4	20.67	20.84	20.72						
3	16QAM	8	7	20.60	20.89	20.81		22	0			
3	16QAM	15	0	20.81	20.98	20.91						
3	16QAM	15	8	20.75	20.86	20.78		22	0			
3	16QAM	15	14	20.61	20.76	20.69						
3	256QAM	1	0	17.76	17.96	17.83		19	3			
3	256QAM	1	14	17.71	17.69	17.83						
3	256QAM	1	28	17.81	17.72	17.83		19	3			
3	256QAM	8	0	17.74	17.73	17.74						
3	256QAM	8	7	17.65	17.73	17.68		19	3			
3	256QAM	15	0	17.83	17.83	17.83						
Channel												
Frequency (MHz)												
14	QPSK	1	0	20.87	21.00	21.01		22	0			
14	QPSK	1	8	20.80	20.88	20.88						
14	QPSK	1	16	20.75	20.86	20.86		22	0			
14	QPSK	1	5	20.69	20.88	20.73						
14	QPSK	1	17	20.73	20.83	20.75		22	0			
14	QPSK	3	1	20.70	20.76	20.71						
14	QPSK	3	3	20.69	20.78	20.72		22	0			
14	QPSK	3	11	20.66	20.78	20.68						
14	16QAM	1	0	20.78	21.01	20.97		22	0			
14	16QAM	1	3	20.71	20.81	20.84						
14	16QAM	1	6	20.65	20.76	20.77		22	0			
14	16QAM	3	0	20.80	20.95	20.92						
14	16QAM	3	1	20.65	20.84	20.71		22	0			
14	16QAM	6	0	20.73	20.87	20.85						
14	16QAM	6	3	20.74	20.94	20.84		22	0			
14	16QAM	6	6	20.59	20.76	20.66						
14	16QAM	1	0	20.73	20.92	20.74		22	0			
14	16QAM	3	0	20.77	20.91	20.73						

Band 66 Ant1													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 180072	Power Middle Ch./Freq. 180132	Power High Ch./Freq. 180192	Time-up Int. (ms)	MPR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	21.03	21.12	20.97	22	0					
20	QPSK	1	49	20.91	21.03	20.96							
20	QPSK	1	99	20.86	20.90	20.79							
20	QPSK	50	0	20.87	21.07	20.96							
20	QPSK	50	24	20.83	20.98	20.84	22	0					
20	QPSK	50	50	20.80	20.87	20.88							
20	QPSK	100	0	20.84	20.95	20.82							
20	16QAM	1	0	20.90	20.92	20.87							
20	16QAM	1	49	20.74	20.80	20.78	22	0					
20	16QAM	1	99	20.78	20.82	20.73							
20	16QAM	50	0	20.71	20.87	20.79							
20	16QAM	50	24	20.64	20.69	20.65							
20	16QAM	50	50	20.63	20.69	20.69	22	0					
20	16QAM	100	0	20.83	20.94	20.85							
20	16QAM	1	0	20.81	20.90	20.74							
20	16QAM	1	49	20.75	20.80	20.77							
20	16QAM	1	99	20.65	20.69	20.68	22	0					
20	16QAM	50	0	20.61	20.70	20.69							
20	16QAM	50	24	20.59	20.70	20.64							
20	16QAM	50	50	20.58	20.60	20.49							
20	256QAM	100	0	20.74	20.83	20.82	22	0					
20	256QAM	1	0	17.89	18.10	18.05							
20	256QAM	1	49	17.93	18.10	17.95							
20	256QAM	1	99	17.79	17.80	17.85							
20	256QAM	50	0	17.60	17.75	17.63	19	3					
20	256QAM	50	24	17.60	17.58	17.52							
20	256QAM	50	50	17.47	17.58	17.47							
20	256QAM	100	0	17.28	17.40	17.40							
Channel													
Frequency (MHz)													
15	QPSK	1	0	20.92	21.07	20.92	22	0					
15	QPSK	1	37	20.78	20.90	20.79							
15	QPSK	1	74	20.77	20.76	20.71							
15	QPSK	36	0	20.78	21.01	20.83							
15	QPSK	36	20	20.75	20.79	20.79	22	0					
15	QPSK	36	39	20.67	20.63	20.79							
15	QPSK	75	0	20.74	20.82	20.77							
15	16QAM	1	0	20.81	20.83	20.75							
15	16QAM	1	37	20.63	20.63	20.77	22	0					
15	16QAM	1	74	20.69	20.69	20.68							
15	16QAM	36	0	20.69	20.74	20.64							
15	16QAM	36	20	20.64	20.64	20.51							
15	16QAM	36	20	20.59	20.60	20.60	22	0					
15	16QAM	75	0	20.75	20.88	20.70							
15	16QAM	1	0	20.71	20.80	20.69							
15	16QAM	1	37	20.61	20.69	20.69							
15	16QAM	1	74	20.54	20.55	20.55	22	0					
15	16QAM	36	0	20.56	20.70	20.62							
15	16QAM	36	20	20.53	20.64	20.51							
15	16QAM	36	39	20.48	20.52	20.38							
15	16QAM	75	0	20.67	20.69	20.68	19	3					
15	256QAM	1	0	17.75	17.85	17.81							
15	256QAM	1	37	17.78	17.80	17.83							
15	256QAM	1	74	17.85	17.85	17.81							
15	256QAM	36	0	17.46	17.70	17.60	19	3					
15	256QAM	36	20	17.47	17.53	17.41							
15	256QAM	36	39	17.37	17.50	17.33							
15	256QAM	75	0	17.44	17.61	17.74							
Channel													
Frequency (MHz)													
10	QPSK	1	0	20.64	21.01	20.71	22	0					
10	QPSK	1	25	20.63	20.69	20.71							
10	QPSK	1	49	20.62	20.78	20.72							
10	QPSK	75	0	20.76	20.82	20.68							
10	QPSK	25	13	20.68	20.78	20.79	22	0					
10	QPSK	25	25	20.76	20.81	20.74							
10	16QAM	1	0	20.81	20.83	20.74							
10	16QAM	1	25	20.66	20.75	20.64							
10	16QAM	1	49	20.51	20.55	20.58	22	0					
10	16QAM	25	0	20.47	20.73	20.57							
10	16QAM	25	13	20.48	20.46	20.43							
10	16QAM	25	25	20.47	20.46	20.45							
10	16QAM	50	0	20.67	20.79	20.75	22	0					
10	256QAM	1	0	17.66	17.67	17.62							
10	256QAM	1	25	17.86	17.95	17.87							
10	256QAM	1	49	17.65	17.75	17.79							
10	256QAM	25	0	17.63	17.63	17.59	19	3					
10	256QAM	25	12	17.67	17.50	17.45							
10	256QAM	25	25	17.56	17.46	17.43							
10	256QAM	50	0	17.65	17.65	17.78							
Channel													
Frequency (MHz)													
5	QPSK	1	0	20.91	20.98	20.86	22	0					
5	QPSK	1	12	20.85	20.92	20.79							
5	QPSK	1	24	20.80	20.82	20.68							
5	QPSK	12	0	20.75	20.84	20.80							
5	QPSK	12	7	20.76	20.79	20.71	22	0					
5	QPSK	12	13	20.67	20.60	20.79							
5	QPSK	25	0	20.73	20.81	20.67							
5	16QAM	1	0	20.81	20.80	20.76							
5	16QAM	1	12	20.64	20.73	20.75	22	0					
5	16QAM	1	24	20.75	20.75	20.60							
5	16QAM	12	0	20.67	20.72	20.84							
5	16QAM	12	7	20.58	20.57	20.60							
5	16QAM	12	13	20.60	20.62	20.54	22	0					
5	16QAM	25	0	20.76	20.88	20.69							
5	16QAM	1	0	20.70	20.83	20.66							
5	16QAM	1	12	20.65	20.77	20.64							
5	16QAM	1	24	20.62	20.64	20.61	22	0					
5	16QAM	12	0	20.63	20.67	20.60							
5	16QAM	12	7	20.48	20.49	20.49							
5	16QAM	12	13	20.50	20.53	20.39							
5	16QAM	25	0	20.70	20.77	20.70	22	0					
5	256QAM	1	0	17.82	18.10	17.83							
5	256QAM	1	12	17.80	17.80	17.82							
5	256QAM	1	24	17.70	17.75	17.71							
5	256QAM	12	0	17.65	17.65	17.49	19	3					
5	256QAM	12	7	17.54	17.50	17.47							
5	256QAM	12	13	17.39	17.37	17.44							
5	256QAM	25	0	17.44	17.38	17.75							
Channel													
Frequency (MHz)													
3	QPSK	1	0	20.91	21.06	20.90	22	0					
3	QPSK	1	12	20.85	20.92	20.79							
3	QPSK	1	24	20.80	20.82	20.68							
3	QPSK	14	0	20.75	20.86	20.80							
3	QPSK	8	0	20.73	20.83	20.86	22	0					
3	QPSK	8	7	20.67	20.60	20.79							
3	QPSK	8	7	20.69	20.82	20.85							
3	QPSK	16	0	20.79	20.84	20.78							
3	16QAM	1	0	20.87	20.82	20.78	22	0					
3	16QAM	1	8	20.63	20.77	20.73							
3	16QAM	1	14	20.70	20.68	20.67							
3	16QAM	8	0	20.68	20.83	20.83							
3	16QAM	8	4	20.55	20.63	20.58	22	0					
3	16QAM	8	7	20.59	20.61	20.55							
3	16QAM	8	7	20.59	20.61	20.55							
3	16QAM	16	0	20.69	20.82	20.64							
3	16QAM	1	0	20.64	20.72	20.64	22	0					
3	16QAM	1	8	20.57	20.67	20.60							
3	16QAM	8	4	20.48	20.48	20.48							
3	16QAM	8	4	20.45	20.51	20.49							
3	16QAM	8	7	20.45	20.53	20.43	22	0					
3	16QAM	16	0	20.71	20.71	20.70							
3	16QAM	1	0	17.84	18.04	17.84							
3	16QAM	1	8	17.43	17.58	17.43							
3	16QAM	1	14	17.44	17.46	17.38	19	3					
3	16QAM	8	0	17.67	17.67	17.51							
3	16QAM	8	4	17.45	17.47	17.48							
3	16QAM	8	7	17.36	17.45	17.38							
3	16QAM	8	7	17.37	17.45	17.37	19	3					
3	16QAM	16	0	17.67	17.67	17.51							
3	16QAM	8	0	17.46	17.46	17.46							
3	16QAM	8	7	17.46	17.48	17.48							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	20.93	21.03	20.94	22	0					
1.4	QPSK	1	12	20.88	20.91	20.86							
1.4	QPSK	1	24	20.83	20.87	20.80							
1.4	QPSK	1	6	20.81	20.76	20.67							
1.4	QPSK	1	6	20.75	20.80	20.66	22	0					
1.4	QPSK	1	24	20.68	20.74	20.67							
1.4	QPSK	3	0	20.69	20.84	20.81							
1.4	QPSK	3	7	20.64	20.84	20.84							
1.4	16QAM	1	0	20.83	20.86	20.74	22	0					
1.4	16QAM	1	3	20.63	20.72	20.67							
1.4	16QAM	3	0	20.70	20.79	20.70							
1.4	16QAM	3	7	20.65	20.68	20.62							
1.4	16QAM	3	0	20.62	20.61	20.59	22	0					
1.4	16QAM	3	7	20.55	20.58	20.52							
1.4	16QAM	3	7	20.54	20.54	20.52							
1.4	16QAM	6	0	20.71	20.76	20.70							
1.4	16QAM	6	0	20.74	20.77	20.67	21.6	0.5					
1.4	16QAM	6	7	20.68	20.73	20.63							
1.4	16QAM	1	0	20.61	20.61	20.59							
1.4	16QAM	3	0	20.57	20.60	20.56							
1.4	16QAM	3	0	20.52	20.53	20.49	21.6	0.5					
1.4	16QAM	6	0	20.46	20.48	20.36							
1.4	16QAM	6	7	20.45	20.46	20.37							
1.4	16QAM	6	7	20.42	20.43	20.31							
1.4	16QAM	3	0	20.40	20.46	20.33	20.5	1.5					
1.4	16QAM	3	7	20.37	20.38	20.31							
1.4	16QAM	3	7	20.32	20.32	20.27							
1.4	16QAM	3	7	20.27	20.27	20.21							
1.4	16QAM	3	0	17.86	17.75	17.83	18.5	3.5					
1.4	16QAM	3	7	17.85	17.68	17.84							
1.4	16QAM	3	7	17.81	17.45	17.38							
1.4	16QAM	3	7	17.79	17.46	17.38							
1.4	16QAM	6	0	17.66	17.83	17.88	18.5	3.5					
1.4	16QAM	6	7	17.66	17.83	17.88							

Band 38 Ant1									
RF [MHz]	Modulation	RIS Size	RIS Offset	Power Loss Co- [dB]	Power Min Co- [dB]	Power Max Co- [dB]	Turn-up test (dBm)	MPE (dB)	
Channel				31600	30000	30100			
Frequency (MHz)				24.7	24.8	24.9			
20	QPSK	1	0	22.29	22.23	22.30			
20	QPSK	1	49	22.32	22.35	22.30	23	0	
20	QPSK	1	99	22.25	22.29	22.29			
20	QPSK	50	0	22.24	22.28	22.28			
20	QPSK	50	24	22.24	22.30	22.28	23	0	
20	QPSK	50	50	22.24	22.28	22.28			
20	QPSK	100	0	22.24	22.28	22.28			
20	16QAM	1	0	22.35	22.51	22.39			
20	16QAM	1	99	22.27	22.30	22.29	23	0	
20	16QAM	1	49	22.27	22.30	22.24			
20	16QAM	50	0	21.97	22.14	21.95			
20	16QAM	50	24	21.98	22.05	21.93			
20	16QAM	50	50	21.98	21.92	21.87	23	0	
20	16QAM	100	0	21.95	22.09	21.99			
20	64QAM	1	0	22.24	22.28	22.28			
20	64QAM	1	49	22.28	22.38	22.28	23	0	
20	64QAM	1	99	22.16	22.24	22.22			
20	64QAM	50	0	21.93	22.11	21.94			
20	64QAM	50	24	21.99	22.03	21.90			
20	64QAM	50	50	21.99	21.94	21.86	22.5	0.5	
20	64QAM	100	0	21.91	22.05	21.95			
20	256QAM	1	0	18.83	19.00	18.85			
20	256QAM	1	49	18.78	18.90	18.78	20.5	2.5	
20	256QAM	1	99	18.76	18.77	18.78			
20	256QAM	50	0	18.96	19.16	18.97			
20	256QAM	50	24	18.93	19.08	18.96	20.5	2.5	
20	256QAM	50	50	18.98	18.95	18.94			
20	256QAM	100	0	18.95	19.09	18.96			
Channel				31600	30000	30100			
Frequency (MHz)				24.7	24.8	24.9			
15	QPSK	1	0	22.29	22.27	22.31			
15	QPSK	1	37	22.19	22.23	22.30	23	0	
15	QPSK	1	74	22.12	22.20	22.21			
15	QPSK	25	0	22.19	22.23	22.34			
15	QPSK	36	0	22.14	22.22	22.29	23	0	
15	QPSK	36	20	22.11	22.20	22.24			
15	QPSK	75	0	22.15	22.28	22.31			
15	16QAM	1	0	22.26	22.30	22.27			
15	16QAM	1	37	22.21	22.25	22.29	23	0	
15	16QAM	1	74	22.15	22.25	22.25			
15	16QAM	36	0	21.94	22.08	21.92			
15	16QAM	36	20	21.78	21.84	21.86	23	0	
15	16QAM	75	0	21.81	22.00	21.94			
15	64QAM	1	0	22.15	22.17	22.28			
15	64QAM	1	37	22.17	22.20	22.23	23	0	
15	64QAM	1	74	22.11	22.15	22.15			
15	64QAM	36	0	21.95	21.99	21.87			
15	64QAM	36	20	21.83	21.92	21.78			
15	64QAM	75	0	21.85	21.91	21.81	22.5	0.5	
15	64QAM	75	0	21.82	21.91	21.81			
15	256QAM	1	0	18.77	18.90	18.81			
15	256QAM	1	49	18.78	18.89	18.79	20.5	2.5	
15	256QAM	1	99	18.76	18.77	18.78			
15	256QAM	50	0	18.96	19.16	18.96			
15	256QAM	50	24	18.93	19.08	18.94	20.5	2.5	
15	256QAM	50	50	18.98	18.95	18.94			
15	256QAM	100	0	18.95	19.09	18.96			
Channel				31600	30000	30200			
Frequency (MHz)				24.7	24.8	24.9			
15	QPSK	1	0	22.29	22.27	22.31			
15	QPSK	1	12	22.27	22.21	22.34			
15	QPSK	1	24	22.21	22.25	22.27	23	0	
15	QPSK	12	0	22.16	22.24	22.28			
15	QPSK	12	7	22.12	22.26	22.22	23	0	
15	QPSK	12	0	22.21	22.31	22.23			
15	16QAM	1	0	22.31	22.41	22.34			
15	16QAM	1	12	22.23	22.34	22.27	23	0	
15	16QAM	1	24	22.13	22.17	22.18			
15	16QAM	12	7	21.81	21.89	21.88	23	0	
15	16QAM	12	13	21.80	21.88	21.85			
15	64QAM	1	0	22.04	22.06	22.16			
15	64QAM	1	12	22.04	22.05	22.16			
15	64QAM	1	24	22.04	22.05	22.24	23	0	
15	64QAM	12	0	21.86	22.08	21.86			
15	64QAM	12	7	21.78	21.88	21.77	22.5	0.5	
15	64QAM	12	13	21.78	21.86	21.78			
15	64QAM	25	0	21.78	21.86	21.82			
15	256QAM	1	0	18.83	18.97	18.84			
15	256QAM	1	12	18.72	18.87	18.85	20.5	2.6	
15	256QAM	1	24	18.64	18.73	18.70			
15	256QAM	12	0	18.93	19.09	18.90			
15	256QAM	12	7	18.82	19.01	18.84	20.5	2.5	
15	256QAM	12	13	18.80	18.88	18.81			
15	256QAM	25	0	18.90	18.98	18.91	20.5	2.5	

Band 41 FCC Ant1											
RF [MHz]	Modulation	RIS Size	RF Offset	Power Low Ch. [mW]	Power Low Med. [mW]	Power Med. High [mW]	Power High Med. [mW]	Power High Ch. [mW]	Time-up time (s/min)	MFR (dB)	
Channel											
Frequency (MHz)				39970	40185	40600	41050	41460			
20	QPSK	5	0	25.60	25.69	25.73	25.83	25.85			
20	QPSK	1	46	23.05	23.62	23.65	23.71	23.72		0	
20	QPSK	1	99	23.48	23.56	23.59	23.50	23.48			
20	QPSK	50	24	22.58	22.58	22.58	22.58	22.58			
20	QPSK	50	24	22.50	22.41	22.84	22.54	22.47		1	
20	QPSK	50	50	22.50	22.42	22.62	22.50	22.47			
20	QPSK	50	99	22.50	22.58	22.58	22.58	22.59			
20	16QAM	1	0	22.80	22.67	22.88	22.72	22.77			
20	16QAM	1	46	22.69	22.69	22.70	22.69	22.72		23	
20	16QAM	1	99	22.67	22.58	22.75	22.58	22.64			
20	16QAM	50	5	21.67	21.69	21.80	21.63	21.77			
20	16QAM	50	24	21.64	21.64	21.64	21.64	21.68			
20	16QAM	50	50	21.65	21.56	21.65	21.50	21.45		22	
20	16QAM	100	0	21.69	21.68	21.60	21.74	21.77			
20	16QAM	100	46	21.79	21.74	21.69	21.64	21.67			
20	64QAM	1	46	21.72	21.74	21.69	21.64	21.67		22	
20	64QAM	50	99	21.50	21.66	21.74	21.67	21.67			
20	64QAM	50	99	21.50	21.66	21.74	21.67	21.67			
20	64QAM	50	24	20.45	20.48	20.59	20.31	20.41			
20	64QAM	50	50	20.45	20.48	20.59	20.31	20.41			
20	64QAM	100	0	20.58	20.57	20.70	20.35	20.59			
20	256QAM	1	0	18.82	18.49	18.70	18.50	18.65			
20	256QAM	1	46	18.64	18.47	18.70	18.60	18.60			
20	256QAM	1	99	18.43	18.43	18.53	18.51	18.58			
20	256QAM	50	5	17.86	18.07	18.03	18.10	18.74			
20	256QAM	50	24	18.11	18.59	18.59	18.59	18.62		19	
20	256QAM	50	50	18.51	18.53	18.51	18.63	18.59			
20	256QAM	100	0	18.57	18.57	18.58	18.60	18.63			
Channel											
Frequency (MHz)				39970	40173	40600	41048	41515	Time-up time (s/min)	MFR (dB)	
20	QPSK	1	0	23.03	23.03	23.03	23.03	23.03		24	0
20	QPSK	1	37	23.30	23.42	23.45	23.31	23.32			
20	QPSK	1	74	23.28	23.36	23.39	23.30	23.28			
20	QPSK	36	20	22.38	22.38	22.38	22.38	22.38			
20	QPSK	36	20	22.30	22.31	22.44	22.34	22.27		23	1
20	QPSK	36	20	22.30	22.22	22.22	22.22	22.27			
20	QPSK	75	75	22.30	22.38	22.49	22.38	22.38			
20	16QAM	1	0	22.40	22.47	22.68	22.58	22.57			
20	16QAM	1	46	22.48	22.48	22.48	22.48	22.52		23	1
20	16QAM	1	74	22.47	22.38	22.62	22.42	22.44			
20	16QAM	36	0	21.47	21.49	21.60	21.43	21.57			
20	16QAM	36	20	21.44	21.43	21.43	21.43	21.43			
20	16QAM	36	36	21.25	21.35	21.46	21.30	21.25		22	2
20	16QAM	75	0	21.49	21.48	21.70	21.54	21.57			
20	16QAM	75	0	21.59	21.58	21.80	21.64	21.60			
20	16QAM	1	37	21.52	21.54	21.49	21.44	21.47		22	2
20	16QAM	1	74	21.58	21.46	21.69	21.47	21.47			
20	16QAM	36	20	20.45	20.46	20.54	20.31	20.50			
20	16QAM	36	20	20.45	20.38	20.46	20.41	20.31		21	3
20	16QAM	36	20	20.30	20.29	20.30	20.29	20.30			
20	16QAM	75	0	20.48	20.47	20.50	20.29	20.29			
20	256QAM	1	0	18.42	18.20	18.00	18.30	18.45			
20	256QAM	1	46	18.44	18.27	18.00	18.30	18.45			
20	256QAM	1	74	18.23	18.23	18.33	18.31	18.37		19	5
20	256QAM	50	5	18.01	18.38	18.38	18.30	18.54			
20	256QAM	50	24	18.11	18.59	18.59	18.59	18.62			
20	256QAM	50	50	18.51	18.53	18.51	18.63	18.59		19	5
20	256QAM	100	0	18.57	18.57	18.58	18.60	18.63			
Channel											
Frequency (MHz)				39970	40160	40600	41048	41515	Time-up time (s/min)	MFR (dB)	
20	QPSK	5	0	23.03	23.06	23.06	23.06	23.06		24	0
20	QPSK	1	25	23.43	23.54	23.57	23.39	23.42		24	00
20	QPSK	1	46	23.41	23.65	23.68	23.41	23.37			
20	QPSK	1	74	23.23	23.53	23.56	23.46	23.42			
20	QPSK	25	12	22.46	22.46	22.58	22.46	22.42		23	1
20	QPSK	25	12	22.38	22.37	22.49	22.37	22.40			
20	QPSK	50	0	22.46	22.44	22.55	22.46	22.44			
20	QPSK	50	1	22.69	22.53	22.75	22.61	22.64		23	1
20	QPSK	50	25	22.59	22.56	22.67	22.59	22.59			
20	16QAM	1	49	22.63	22.54	22.65	22.48	22.57			
20	16QAM	25	0	21.59	21.59	21.72	21.48	21.57			
20	16QAM	25	0	21.59	21.56	21.68	21.48	21.56			
20	16QAM	25	12	21.39	21.47	21.59	21.42	21.35		22	2
20	16QAM	25	25	21.39	21.47	21.59	21.42	21.35			
20	16QAM	50	0	21.52	21.60	21.72	21.55	21.70			
20	64QAM	1	0	21.75	21.60	21.70	21.73	21.81			
20	64QAM	1	25	21.68	21.69	21.59	21.46	21.39			
20	64QAM	25	0	21.52	21.61	21.72	21.55	21.70			
20	64QAM	25	0	20.56	20.55	20.76	20.55	20.59			
20	64QAM	25	12	20.42	20.56	20.52	20.46	20.30		21	3
20	64QAM	25	25	20.39	20.42	20.42	20.39	20.39			
20	64QAM	50	0	20.49	20.52	20.67	20.57	20.47			
20	256QAM	1	25	18.56	18.40	18.64	18.45	18.60		19	5
20	256QAM	1	49	18.59	18.29	18.50	18.48	18.30			
20	256QAM	25	0	18.62	18.52	18.61	18.60	18.60			
20	256QAM	25	12	18.49	18.48	18.60	18.55	18.52		19	5
20	256QAM	25	25	18.40	18.40	18.51	18.51	18.49			
20	256QAM	50	0	18.67	18.55	18.61	18.60	18.63			
Channel											
Frequency (MHz)				39670	40148	40600	41048	41565	Time-up time (s/min)	MFR (dB)	
20	QPSK	1	12	23.08	23.08	23.01	23.01	23.06		24	00
20	QPSK	1	12	23.08	23.51	23.51	23.45	23.47			
20	QPSK	12	74	23.43	23.48	23.48	23.48	23.48			
20	QPSK	12	74	22.47	22.41	22.68	22.55	22.62			
20	QPSK	12	74	22.38	22.48	22.60	22.41	22.34			
20	QPSK	25	0	22.57	22.59	22.69	22.57	22.57			
20	QPSK	25	0	22.54	22.52	22.62	22.47	22.52			
20	QPSK	1	0	22.66	22.57	22.84	22.62	22.63			
20	16QAM	1	0	22.59	22.57	22.82	22.62	22.65			
20	16QAM	1	24	22.57	22.52	22.62	22.55	22.58			
20	16QAM	12	7	21.61	21.61	21.61	21.61	21.65			
20	16QAM	12	7	21.60	21.49	21.57	21.53	21.54		22	2
20	16QAM	25	13	21.58	21.43	21.52	21.42	21.39			
20	16QAM	25	13	21.58	21.43	21.52	21.42	21.42			
20	64QAM	1	0	21.75	21.63	21.75	21.61	21.77			
20	64QAM	1	12	21.62	21.59	21.63	21.57	21.47		22	2
20	64QAM	1	24	21.44	21.37	21.44	21.37	21.49			
20	64QAM	25	13	20.39	20.49	20.49	20.49	20.49			
20	64QAM	25	0	20.58	20.62	20.55	20.39	20.31			
20	256QAM	1	12	18.58	18.46	18.58	18.47	18.50		19	5
20	256QAM	1	12	18.58	18.36	18.59	18.43	18.45			
20	256QAM	1	24	18.38	18.37	18.48	18.47	18.29			
20	256QAM	12	7	18.44	18.53	18.53	18.47	18.48			
20	256QAM	12	7	18.50	18.45	18.50	18.51	18.58			
20	256QAM	12	13	18.37	18.49	18.53	18.38	18.44			
20	256QAM	12	13	18.37	18.47	18.51	18.50	18.63			



Band 41 PC2 FCC Ant1																
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq	Power Low Mod Ch / Freq	Power Low Mod Ch / Freq	Power Low Mod Ch / Freq	Power Low Mod Ch / Freq	Turn-up limit (dBm)	MPR (dB)						
Channel																
Frequency (MHz)																
20	QPSK	1	0	25.50	25.47	25.54	25.41	25.55	27	0						
20	QPSK	1	48	25.33	25.40	25.58	25.35	25.53								
20	QPSK	1	96	25.29	25.33	25.51	25.31	25.41								
20	QPSK	50	0	25.53	25.30	25.49	25.29	25.37								
20	QPSK	50	24	25.27	25.29	25.46	25.27	25.33	27	0						
20	QPSK	50	48	25.18	25.22	25.40	25.18	25.28								
20	QPSK	100	0	25.19	25.19	25.38	25.22	25.28								
20	16QAM	1	0	25.18	25.28	25.42	25.23	25.34								
20	16QAM	50	24	25.20	25.14	25.39	25.19	25.29	27	0						
20	16QAM	1	96	25.18	25.13	25.35	25.12	25.27								
20	16QAM	50	24	24.29	24.40	24.53	24.24	24.44								
20	16QAM	50	50	24.21	24.24	24.46	24.22	24.39								
20	16QAM	100	0	24.52	24.52	24.45	24.19	24.29	26	1						
20	64QAM	1	0	24.27	24.06	24.30	24.57	24.75								
20	64QAM	1	48	24.85	24.62	24.74	24.54	24.66								
20	64QAM	1	96	24.52	24.55	24.70	24.59	24.65								
20	64QAM	50	0	23.37	23.35	23.56	23.39	23.46	25	2						
20	64QAM	50	24	23.33	23.33	23.53	23.31	23.45								
20	64QAM	50	50	23.35	23.25	23.49	23.33	23.41								
20	64QAM	100	0	23.23	23.29	23.44	23.31	23.33								
20	256QAM	1	0	21.81	21.49	21.88	21.44	21.88	23	4						
20	256QAM	1	48	21.43	21.41	21.81	21.42	21.82								
20	256QAM	1	96	21.30	21.36	21.55	21.41	21.51								
20	256QAM	50	0	21.27	21.23	21.46	21.24	21.39								
20	256QAM	50	24	21.27	21.23	21.46	21.24	21.39								
20	256QAM	50	50	21.23	21.26	21.41	21.26	21.35								
Channel																
Frequency (MHz)																
15	QPSK	1	0	24.47	24.39	24.51	24.33	24.52	27.00	0						
15	QPSK	1	37	24.29	24.33	24.46	24.29	24.48								
15	QPSK	1	74	24.15	24.26	24.38	24.24	24.30								
15	QPSK	36	0	24.26	24.24	24.46	24.24	24.36								
15	QPSK	36	20	24.13	24.15	24.43	24.21	24.21	27	0						
15	QPSK	36	36	24.11	24.16	24.39	24.09	24.29								
15	QPSK	75	0	24.04	24.06	24.28	24.17	24.24								
15	16QAM	1	0	24.05	24.14	24.32	24.16	24.28								
15	16QAM	36	37	24.06	24.11	24.37	24.03	24.29	27	0						
15	16QAM	1	74	24.10	24.00	24.28	24.07	24.21								
15	16QAM	36	0	24.17	24.33	24.39	24.24	24.35								
15	16QAM	36	26	24.25	24.15	24.44	24.15	24.32								
15	16QAM	36	36	24.11	24.09	24.37	24.10	24.26	26	1						
15	16QAM	75	0	24.20	24.08	24.29	24.05	24.17								
15	64QAM	1	0	24.44	24.57	24.72	24.47	24.70								
15	64QAM	1	37	24.49	24.48	24.83	24.48	24.85								
15	64QAM	1	74	24.42	24.42	24.82	24.36	24.81	25	2						
15	64QAM	36	0	24.26	24.22	24.47	24.29	24.33								
15	64QAM	36	20	24.23	24.28	24.49	24.19	24.34								
15	64QAM	36	36	24.16	24.16	24.38	24.17	24.30								
15	64QAM	75	0	24.10	24.25	24.32	24.15	24.23	23	4						
15	256QAM	1	0	21.44	21.44	21.54	21.33	21.49								
15	256QAM	1	37	21.29	21.29	21.41	21.29	21.46								
15	256QAM	1	74	21.26	21.29	21.52	21.31	21.41								
15	256QAM	36	0	21.28	21.27	21.39	21.26	21.30	23	4						
15	256QAM	36	26	21.12	21.14	21.34	21.13	21.27								
15	256QAM	36	36	21.14	21.22	21.37	21.12	21.30								
15	256QAM	75	0	21.06	21.16	21.21	21.06	21.10								
Channel																
Frequency (MHz)																
10	QPSK	1	0	24.46	24.34	24.57	24.37	24.64	27.00	0						
10	QPSK	1	25	24.25	24.31	24.46	24.25	24.42								
10	QPSK	1	48	24.21	24.18	24.38	24.17	24.37								
10	QPSK	25	0	24.22	24.18	24.46	24.22	24.33								
10	QPSK	25	12	24.17	24.21	24.43	24.22	24.26	27	0						
10	QPSK	25	25	24.04	24.13	24.35	24.10	24.14								
10	QPSK	25	48	24.15	24.06	24.31	24.14	24.24								
10	16QAM	1	0	24.06	24.20	24.30	24.17	24.24								
10	16QAM	1	25	24.06	24.00	24.33	24.12	24.25	27	0						
10	16QAM	1	48	24.09	24.07	24.30	24.17	24.24								
10	16QAM	25	0	24.21	24.28	24.44	24.25	24.39								
10	16QAM	25	12	24.23	24.19	24.46	24.16	24.29								
10	16QAM	25	16	24.13	24.11	24.43	24.13	24.35	26	1						
10	16QAM	50	0	24.17	24.12	24.31	24.16	24.22								
10	64QAM	1	0	24.44	24.56	24.74	24.49	24.63								
10	64QAM	1	25	24.43	24.48	24.80	24.49	24.61								
10	64QAM	1	48	24.38	24.51	24.59	24.41	24.56	26	1						
10	64QAM	25	0	23.23	23.28	23.51	23.31	23.36								
10	64QAM	25	12	23.29	23.27	23.41	23.17	23.32								
10	64QAM	25	25	23.25	23.12	23.45	23.19	23.38								
10	64QAM	50	0	23.14	23.16	23.35	23.25	23.25	25	2						
10	256QAM	1	0	21.45	21.46	21.56	21.35	21.48								
10	256QAM	1	25	21.29	21.34	21.51	21.37	21.46								
10	256QAM	1	48	21.26	21.25	21.47	21.33	21.42								
10	256QAM	25	0	21.33	21.29	21.44	21.25	21.41	23	4						
10	256QAM	25	12	21.29	21.11	21.35	21.16	21.30								
10	256QAM	25	25	21.11	21.14	21.27	21.11	21.25								
10	256QAM	50	0	21.04	21.04	21.24	21.09	21.18								
Channel																
Frequency (MHz)																
5	QPSK	1	0	25.37	25.39	25.54	25.38	25.47	27.00	0						
5	QPSK	1	16	25.22	25.27	25.44	25.25	25.43								
5	QPSK	1	24	25.15	25.21	25.39	25.19	25.29								
5	QPSK	12	0	25.20	25.27	25.38	25.21	25.32								
5	QPSK	12	7	25.17	25.25	25.32	25.13	25.22	27	0						
5	QPSK	12	16	25.09	25.17	25.33	25.13	25.23								
5	QPSK	25	0	25.10	25.04	25.38	25.12	25.17								
5	16QAM	1	0	25.09	25.19	25.32	25.10	25.23								
5	16QAM	1	16	25.10	25.05	25.39	25.12	25.22	27	0						
5	16QAM	1	32	25.07	25.02	25.35	25.04	25.16								
5	16QAM	12	7	25.22	25.16	25.40	25.16	25.41								
5	16QAM	12	7	25.24	25.18	25.44	25.14	25.36								
5	16QAM	12	13	25.11	25.13	25.32	25.18	25.35	26	1						
5	16QAM	12	13	25.16	25.16	25.42	25.16	25.48								
5	64QAM	1	0	24.50	24.63	24.72	24.48	24.73								
5	64QAM	1	12	24.46	24.43	24.68	24.39	24.60								
5	64QAM	1	24	24.43	24.41	24.65	24.37	24.58	26	1						
5	64QAM	12	0	23.24	23.31	23.46	23.31	23.31								
5	64QAM	12	7	23.25	23.29	23.47	23.24	23.42								
5	64QAM	12	13	23.31	23.11	23.45	23.25	23.32								
5	64QAM	25	0	23.11	23.21	23.33	23.19	23.29	25	2						
5	256QAM	1	0	21.45	21.46	21.56	21.35	21.48								
5	256QAM	1	16	21.33	21.38	21.50	21.38	21.49								
5	256QAM	1	24	21.23	21.29	21.49	21.37	21.49								
5	256QAM	25	0	21.34	21.29	21.44	21.25	21.32	23	4						
5	256QAM	25	12	21.18	21.18	21.38	21.11	21.33								
5	256QAM	25	13	21.14	21.13	21.33	21.02	21.31								
5	256QAM	50	0	21.04	21.04	21.24	21.09	21.18								
Channel																
Frequency (MHz)																



COM-1600-AWG									
Limit		Build Average Power (dBm)			Tune-up		Frame Average Power (dBm)		
Tx Channel		812	861	810	Limit		812	861	810
Frequency (MHz)		180.3	180.3	180.3	(dBm)		180.3	180.3	180.3
Tx Channel		28.25	28.33	28.19	Limit		28.25	28.33	28.19
Frequency (MHz)		28.23	28.28	28.13	Limit		28.23	28.28	28.13
Tx Channel		25.48	25.53	25.40	Limit		25.48	25.53	25.40
Frequency (MHz)		25.38	24.13	24.00	Limit		25.38	24.13	24.00
Tx Channel		21.05	22.00	21.98	Limit		21.05	22.00	21.98
Frequency (MHz)		21.05	22.00	21.98	Limit		21.05	22.00	21.98
Tx Channel		23.59	23.64	23.61	Limit		23.59	23.64	23.61
Frequency (MHz)		23.59	23.64	23.61	Limit		23.59	23.64	23.61
Tx Channel		20.78	20.83	20.70	Limit		20.78	20.83	20.70
Frequency (MHz)		20.78	20.83	20.70	Limit		20.78	20.83	20.70
Tx Channel		18.71	18.74	18.68	Limit		18.71	18.74	18.68
Frequency (MHz)		18.71	18.74	18.68	Limit		18.71	18.74	18.68
VCCMA-1-AWG									
Band		VCCMA-I			Tune-up		VCCMA-IV		
Tx Channel		9862	9860	9858	Limit		15312	15311	15313
Rx Channel		9862	9860	9858	Limit		15312	15308	15308
Frequency (MHz)		9862	9860	9858	(dBm)		9862	9860	9858
Tx Channel		21.58	21.55	21.48	Limit		21.45	21.44	21.37
Frequency (MHz)		21.54	21.52	21.49	Limit		21.47	21.53	21.44
Tx Channel		20.83	20.74	20.49	Limit		20.37	20.68	20.32
Frequency (MHz)		20.58	20.65	20.53	Limit		20.47	20.67	20.43
Tx Channel		20.11	20.17	20.04	Limit		20.01	20.04	19.95
Frequency (MHz)		20.02	20.18	20.09	Limit		20.04	20.06	20.02
Tx Channel		20.55	20.73	20.51	Limit		20.46	20.56	20.39
Frequency (MHz)		20.34	20.41	20.40	Limit		20.35	20.37	20.31
Tx Channel		19.88	19.98	19.84	Limit		19.88	19.87	19.83
Frequency (MHz)		19.83	19.90	19.80	Limit		19.78	19.90	19.84
Tx Channel		20.59	20.72	20.71	Limit		20.49	20.65	20.60
Frequency (MHz)		20.59	20.72	20.71	Limit		20.49	20.65	20.60
Tx Channel		18.58	18.60	18.45	Limit		18.46	18.49	18.38
Frequency (MHz)		18.58	18.60	18.45	Limit		18.48	18.51	18.48
Tx Channel		16.43	16.57	16.41	Limit		16.38	16.44	16.33
Frequency (MHz)		16.43	16.57	16.41	Limit		16.46	16.53	16.49



Band 2 Ant2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Mod Ch / Freq	Power Mod Ch / Freq	Power Mod Ch / Freq	Turnup Time (s)	MPR (dB)				
Channel												
				18600	18600	19106						
20	QPSK	1	0	21.12	21.24	21.07			22	0		
20	QPSK	1	49	21.00	21.09	20.92						
20	QPSK	1	99	21.00	21.09	20.92						
20	QPSK	50	0	21.06	21.20	21.10						
20	QPSK	50	24	20.94	21.02	20.93						
20	QPSK	50	50	20.88	21.03	20.96						
20	QPSK	100	0	21.01	21.12	21.03						
20	QPSK	100	49	21.06	21.17	21.06						
20	16QAM	1	49	20.94	21.03	20.99			22	0		
20	16QAM	1	99	20.98	20.99	20.93						
20	16QAM	50	24	20.92	21.07	20.97						
20	16QAM	50	50	20.80	20.90	20.94						
20	16QAM	100	0	20.76	20.86	20.81						
20	16QAM	100	49	20.90	21.00	20.90						
20	64QAM	1	0	21.01	21.07	21.10			22	0		
20	64QAM	1	49	21.05	21.04	21.04						
20	64QAM	1	99	20.97	21.07	20.97						
20	64QAM	50	24	19.79	19.98	19.73						
20	64QAM	50	50	19.90	19.94	19.94			21	1		
20	64QAM	100	0	19.96	19.94	19.98						
20	256QAM	1	49	19.07	19.24	19.07						
20	256QAM	1	99	18.02	18.08	18.02			19	3		
20	256QAM	50	0	18.01	18.11	17.88						
20	256QAM	50	24	17.98	17.98	17.98						
20	256QAM	50	50	17.86	17.95	17.86			19	3		
20	256QAM	100	0	17.87	17.89	17.88						
20	256QAM	100	49	17.89	17.87	17.89						
Turnup time (s) MPR (dB)												
				18615	18600	19025						
15	QPSK	1	0	21.01	21.18	20.92			22	0		
15	QPSK	1	49	20.92	21.02	20.95						
15	QPSK	1	99	20.84	20.98	20.82						
15	QPSK	36	0	20.97	21.06	21.06			22	0		
15	QPSK	36	24	20.79	20.89	20.84						
15	QPSK	36	99	20.81	20.92	20.85						
15	QPSK	75	0	20.96	21.07	21.07			22	0		
15	QPSK	75	49	21.01	21.04	21.02						
15	16QAM	1	37	20.98	20.93	20.86			22	0		
15	16QAM	1	74	20.77	20.90	20.82						
15	16QAM	36	24	20.80	20.98	20.92			22	0		
15	16QAM	36	99	20.77	20.87	20.87						
15	16QAM	75	0	20.76	20.89	20.82			22	0		
15	16QAM	75	49	20.88	21.07	21.04						
15	64QAM	1	0	19.82	19.86	19.78			21	1		
15	64QAM	36	24	19.84	19.74	19.84						
15	64QAM	36	99	19.88	19.83	19.88			19	3		
15	64QAM	75	0	19.77	19.86	19.86						
15	64QAM	75	49	19.80	19.87	19.86			19	3		
15	256QAM	1	37	18.02	18.10	17.98						
15	256QAM	1	74	17.86	17.89	17.92			19	3		
15	256QAM	36	24	17.79	17.79	17.82						
15	256QAM	36	99	17.81	17.82	17.82						
15	256QAM	75	0	17.77	17.82	17.82						
15	256QAM	75	49	17.77	17.82	17.82						
Turnup time (s) MPR (dB)												
				18655	18850	19050						
10	QPSK	1	0	20.98	21.10	20.96			22	0		
10	QPSK	1	49	20.79	20.99	20.86						
10	QPSK	1	99	20.86	20.92	20.86						
10	QPSK	25	0	21.00	21.09	21.00			22	0		
10	QPSK	25	13	20.86	20.92	20.85						
10	QPSK	25	25	20.82	20.86	20.91						
10	16QAM	1	0	21.03	21.09	20.97			22	0		
10	16QAM	1	25	20.88	20.90	20.91						
10	16QAM	25	0	20.84	20.93	20.94			22	0		
10	16QAM	25	12	20.77	20.86	20.86						
10	16QAM	50	0	20.82	20.75	20.78			22	0		
10	16QAM	50	0	20.81	20.90	20.77						
10	64QAM	1	0	20.90	21.14	21.08			22	0		
10	64QAM	1	49	20.83	20.98	20.94						
10	64QAM	1	49	20.88	20.94	20.83			21	1		
10	64QAM	25	0	19.80	19.89	19.73						
10	64QAM	25	12	19.87	19.78	19.84			21	1		
10	64QAM	25	25	19.62	19.71	19.62						
10	64QAM	50	0	19.85	19.86	19.85			19	3		
10	64QAM	50	12	19.62	19.71	19.62						
10	256QAM	1	25	17.99	18.01	17.87			19	3		
10	256QAM	1	49	17.94	18.01	17.97						
10	256QAM	50	25	17.86	17.86	17.83			19	3		
10	256QAM	50	12	17.78	17.86	17.81						
10	256QAM	25	25	17.81	17.82	17.79			19	3		
10	256QAM	25	0	17.72	17.82	17.76						
Turnup time (s) MPR (dB)												
				18625	18600	19176						
5	QPSK	1	0	21.03	21.11	20.93			22	0		
5	QPSK	1	12	20.93	20.94	20.88						
5	QPSK	1	24	20.77	20.89	20.85						
5	QPSK	12	0	20.99	21.02	21.00			22	0		
5	QPSK	12	6	20.84	20.94	20.88						
5	QPSK	12	18	20.79	20.93	20.83						
5	QPSK	12	30	20.95	21.07	21.03			22	0		
5	QPSK	12	42	20.83	21.12	21.03						
5	16QAM	1	12	20.86	20.93	20.82			22	0		
5	16QAM	12	18	20.69	20.85	20.85						
5	16QAM	12	30	20.72	20.87	20.87			22	0		
5	16QAM	12	42	20.84	20.91	20.91						
5	16QAM	25	0	20.82	20.86	20.79			22	0		
5	16QAM	25	12	20.68	20.82	20.82						
5	16QAM	1	12	20.86	20.92	20.94			22	0		
5	16QAM	1	24	20.82	20.90	20.91						
5	16QAM	12	0	20.80	20.85	20.83			21	1		
5	16QAM	12	18	19.68	19.76	19.76						
5	16QAM	12	30	19.83	19.83	19.88			19	3		
5	16QAM	12	42	19.62	19.70	19.62						
5	256QAM	1	12	18.01	18.16	17.94			19	3		
5	256QAM	1	24	17.96	17.96	17.96						
5	256QAM	1	30	18.00	18.03	17.89			19	3		
5	256QAM	12	0	17.92	17.92	17.89						
5	256QAM	12	7	17.89	17.92	17.81			19	3		
5	256QAM	12	15	17.89	17.92	17.89						
5	256QAM	25	0	17.71	17.88	17.82			19	3		
5	256QAM	25	0	17.71	17.88	17.82						
Turnup time (s) MPR (dB)												
				18615	18600	19186						
3	QPSK	1	0	20.98	21.14	20.96			22	0		
3	QPSK	1	8	20.95	20.91	20.86						
3	QPSK	1	16	20.85	20.99	20.84						
3	QPSK	8	0	20.94	21.10	20.96			22	0		
3	QPSK	8	4	20.83	20.89	20.85						
3	QPSK	8	7	20.78	20.86	20.87						
3	QPSK	15	0	20.68	21.09	20.90			22	0		
3	16QAM	1	0	20.99	21.08	20.95						
3	16QAM	1	8	20.83	20.93	20.82			22	0		
3	16QAM	1	16	20.81	20.94	20.89						
3	16QAM	8	0	20.91	21.02	20.94			22	0		
3	16QAM	8	4	20.76	20.75	20.84						
3	16QAM	15	0	20.83	20.91	20.89			22	0		
3	16QAM	15	0	20.79	20.95	20.83						
3	16QAM	1	0	20.93	21.06	21.06			22	0		
3	64QAM	1	0	20.96	20.99	20.99						
3	64QAM	1	14	20.89	20.93	20.91			21	1		
3	64QAM	8	0	19.74	19.71	19.82						
3	64QAM	8	7	19.59	19.67	19.62			19	3		
3	256QAM	1	8	18.00	18.12	17.99						
3	256QAM	1	8	18.00	18.13	17.99			19	3		
3	256QAM	8	0	17.92	17.97	17.94						
3	256QAM	8	4	17.78	17.82	17.76			19	3		
3	256QAM	8	7	17.82	17.89	17.86						
3	256QAM	15	0	17.76	17.81	17.82			19	3		
3	256QAM	15	0	17.71	17.82	17.76						
Turnup time (s) MPR (dB)												
				18607	18608	19053						
1.4	QPSK	1	0	21.03	21.16	20.96			22	0		
1.4	QPSK	1	3	20.93	20.96	20.85						
1.4	QPSK	1	5	20.81	20.95	20.86						
1.4	QPSK	3	0	20.98	21.11	21.07			22	0		
1.4	QPSK	3	1	20.91	20.96	20.91						
1.4	QPSK	3	3	20.74	20.86	20.87						
1.4	QPSK	6	0	20.97	21.07	20.91			22	0		
1.4	QPSK	6	0	21.06	21.06	20.97						
1.4	16QAM	1	0	21.00	21.05	20.97			22	0		
1.4	16QAM	1	0	20.83	20.89	20.87						
1.4	16QAM	1							22	0		
1.4	16QAM	3	0	20.69	20.87	20.87						
1.4	16QAM	3	0	20.70	20.82	20.70			21	0		
1.4	16QAM	3	0	20.68	20.80	20.68						
1.4	16QAM	1	0	20.85	21.05	20.98			22	0		
1.4	16QAM	1	3	20.84	20.93	20.83						
1.4	16QAM	1	5	20.83	20.93	20.83			22	0		
1.4	16QAM	3	0	20.85	20.95	20.86						
1.4	16QAM	3	0	20.								



Band 12 Ant2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Mid Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up freq. [MHz]	MPR [dB]				
Channel												
Frequency [MHz]												
10	QPSK	1	0	22.51	22.59	22.50	24	0				
10	QPSK	1	25	22.40	22.42	22.31						
10	QPSK	1	49	22.26	22.48	22.18						
10	QPSK	25	0	22.40	22.62	22.40						
10	QPSK	25	12	22.30	22.45	22.27	24	0				
10	QPSK	25	25	22.29	22.52	22.24						
10	QPSK	50	0	22.34	22.41	22.37						
10	16QAM	1	0	22.41	22.51	22.53						
10	16QAM	1	25	22.39	22.52	22.38	24	0				
10	16QAM	1	49	22.18	22.40	22.39						
10	16QAM	25	0	22.51	22.52	22.54						
10	16QAM	25	12	22.29	22.41	22.35						
10	16QAM	25	25	22.27	22.36	22.30	24	0				
10	16QAM	50	0	22.40	22.51	22.38						
10	16QAM	1	0	22.40	22.44	22.34						
10	16QAM	1	25	22.39	22.41	22.32	24	0				
10	16QAM	1	49	22.14	22.41	22.29						
10	16QAM	25	0	21.24	21.36	21.17						
10	16QAM	25	12	21.13	21.21	21.08						
10	16QAM	25	25	21.03	21.16	21.04	22.5	1.5				
10	16QAM	50	0	21.25	21.30	21.19						
10	256QAM	1	25	19.35	19.59	19.51						
10	256QAM	1	49	19.34	19.38	19.43						
10	256QAM	25	0	19.34	19.36	19.44	21	3				
10	256QAM	25	12	19.34	19.29	19.32						
10	256QAM	25	25	19.12	19.28	19.19						
10	256QAM	50	0	19.26	19.27	19.17						
Channel												
Frequency [MHz]												
5	QPSK	1	0	22.43	22.48	22.39	24	0				
5	QPSK	1	12	22.33	22.36	22.35						
5	QPSK	1	24	22.14	22.40	22.04						
5	QPSK	12	0	22.29	22.50	22.37						
5	QPSK	12	7	22.25	22.31	22.15	24	0				
5	QPSK	12	13	22.24	22.28	22.17						
5	QPSK	25	0	22.22	22.27	22.12						
5	16QAM	1	0	22.35	22.46	22.38						
5	16QAM	1	12	22.25	22.45	22.27	24	0				
5	16QAM	1	24	22.09	22.39	22.19						
5	16QAM	12	0	22.47	22.43	22.51						
5	16QAM	12	7	22.18	22.28	22.25						
5	16QAM	25	0	22.37	22.43	22.23	24	0				
5	16QAM	25	0	22.37	22.43	22.23						
5	16QAM	12	0	21.17	21.31	21.05						
5	16QAM	12	7	21.02	21.02	20.89						
5	16QAM	12	13	21.02	21.02	20.89	22.5	1.5				
5	16QAM	25	0	21.13	21.16	21.16						
5	256QAM	1	24	19.40	19.40	19.46						
5	256QAM	1	12	19.20	19.46	19.48						
5	256QAM	12	0	19.25	19.25	19.34	21	3				
5	256QAM	12	7	19.20	19.15	19.26						
5	256QAM	12	13	19.02	19.20	19.12						
5	256QAM	25	0	19.12	19.22	19.09						
Channel												
Frequency [MHz]												
3	QPSK	1	0	22.65	22.66	22.65	24	0				
3	QPSK	1	8	22.33	22.37	22.26						
3	QPSK	1	14	22.11	22.43	22.08						
3	QPSK	8	0	22.32	22.48	22.28						
3	QPSK	8	8	22.19	22.34	22.21	24	0				
3	QPSK	8	7	22.21	22.18	22.11						
3	16QAM	1	0	22.21	22.27	22.17						
3	16QAM	1	0	22.26	22.39	22.48						
3	16QAM	1	8	22.31	22.38	22.32	24	0				
3	16QAM	1	16	22.05	22.28	22.10						
3	16QAM	8	0	22.37	22.41	22.40						
3	16QAM	8	4	22.18	22.33	22.29						
3	16QAM	8	7	22.13	22.29	22.18	22.5	1.5				
3	16QAM	15	0	22.36	22.39	22.25						
3	16QAM	1	0	22.27	22.31	22.21						
3	16QAM	1	8	22.34	22.38	22.28						
3	16QAM	1	14	22.06	22.28	22.20	24	0				
3	16QAM	8	0	21.12	21.27	21.02						
3	16QAM	8	4	21.04	21.12	20.95						
3	16QAM	8	7	20.98	21.00	20.90						
3	16QAM	15	0	21.19	21.24	21.15	22.5	1.5				
3	256QAM	1	0	19.23	19.45	19.41						
3	256QAM	1	8	19.27	19.51	19.37						
3	256QAM	1	14	19.24	19.31	19.35						
3	256QAM	8	0	19.20	19.15	19.17	21	3				
3	256QAM	8	5	19.10	19.21	19.36						
3	256QAM	8	7	19.09	19.23	19.09						
3	256QAM	15	0	19.20	19.25	19.12						
Channel												
Frequency [MHz]												
1.4	QPSK	1	0	22.41	22.54	22.18	24	0				
1.4	QPSK	1	3	22.35	22.39	22.27						
1.4	QPSK	1	5	22.20	22.42	22.04						
1.4	QPSK	3	0	22.34	22.50	22.28						
1.4	QPSK	3	1	22.20	22.39	22.23	24	0				
1.4	QPSK	3	1	22.17	22.20	22.20						
1.4	16QAM	1	0	22.23	22.34	22.32						
1.4	16QAM	1	0	22.32	22.40	22.40						
1.4	16QAM	1	3	22.28	22.47	22.25	24	0				
1.4	16QAM	1	6	22.04	22.37	22.13						
1.4	16QAM	3	0	22.47	22.47	22.46						
1.4	16QAM	3	1	22.25	22.31	22.25						
1.4	16QAM	3	3	22.17	22.32	22.25	24	0				
1.4	16QAM	6	0	22.26	22.43	22.35						
1.4	16QAM	1	0	22.35	22.37	22.29						
1.4	16QAM	1	3	22.25	22.29	22.26						
1.4	16QAM	1	5	22.01	22.33	22.19	24	0				
1.4	16QAM	3	0	22.38	22.36	22.40						
1.4	16QAM	3	2	22.16	22.32	22.22						
1.4	16QAM	3	3	22.15	22.29	22.21						
1.4	16QAM	6	0	21.19	21.49	21.11	22.5	1.5				
1.4	256QAM	1	0	19.26	19.57	19.36						
1.4	256QAM	1	3	19.22	19.56	19.47						
1.4	256QAM	1	5	19.26	19.22	19.30						
1.4	256QAM	3	0	19.10	19.34	19.30	21	3				
1.4	256QAM	3	1	19.21	19.18	19.19						
1.4	256QAM	3	2	19.08	19.20	19.14						
1.4	256QAM	6	0	19.17	19.25	19.09						

Band 13 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Mid Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up freq. [MHz]	MPR [dB]	
Channel									
Frequency [MHz]									
10	QPSK	1	0	22.53	22.53	22.53	24	0	
10	QPSK	1	25	22.43	22.43	22.43			
10	QPSK	1	49	22.43	22.43	22.43			
10	QPSK	25	0	22.45	22.45	22.45			
10	QPSK	25	12	22.35	22.35	22.35	24	0	
10	QPSK	25	25	22.26	22.26	22.26			
10	QPSK	50	0	22.32	22.32	22.32			
10	16QAM	1	0	22.41	22.41	22.41			
10	16QAM	1	25	22.47	22.47	22.47	24	0	
10	16QAM	1	49	22.40	22.40	22.40			
10	16QAM	25	0	22.44	22.44	22.44	24	0	
10	16QAM	25	12	22.35	22.35	22.35			
10	16QAM	25	25	22.26	22.26	22.26			
10	16QAM	50	0	22.38	22.38	22.38			
10	16QAM	1	0	22.44	22.44	22.44	24	0	
10	16QAM	1	25	22.48	22.48	22.48			
10	16QAM	1	49	22.41	22.41	22.41			
10	16QAM	25	0	22.42	22.42	22.42			
10	16QAM	25	12	22.30	22.30	22.30	22.5	1.5	
10	16QAM	25	25	22.21	22.21	22.21			
10	16QAM	50	0	22.14	22.14	22.14			
10	16QAM	1	0	22.26	22.26	22.26			
10	256QAM	1	0	19.80	19.80	19.80	21	3	
10	256QAM	1	25	19.59	19.59	19.59			
10	256QAM	1	49	19.50	19.50	19.50			
10	256QAM	25	0	19.82	19.82	19.82			
10	256QAM	25	12	19.26	19.26	19.26	21	3	
10	256QAM	25	25	19.14	19.14	19.14			
10	256QAM	50	0	19.24	19.24	19.24			
10	256QAM	50	0	19.28	19.28	19.28			
Channel									
Frequency [MHz]									
5	QPSK	1	0	23.05	23.05	23.05	24	0	
5	QPSK	1	25	22.95	22.95	22.95			
5	QPSK	1	49	22.95	22.95	22.95			
5	QPSK	12	0	22.94	22.94	22.94			
5	QPSK	12	7	22.85	22.85	22.85	24	0	
5	QPSK	12	14	22.76	22.76	22.76			
5	QPSK	25	0	22.72	22.72	22.72			
5	QPSK	25	12	22.63	22.63	22.63			
5	16QAM	1	0	22.42	22.42	22.42	24	0	
5	16QAM	1	12	22.38	22.38	22.38			
5	16QAM	1	25	22.33	22.33	22.33			
5	16QAM	12	0	22.41	22.41	22.41			
5	16QAM	12	7	22.33	22.33	22.33	24	0	
5	16QAM	12	14	22.25	22.25	22.25			
5	16QAM	25	0	22.41	22.41	22.41			
5	16QAM	25	12	22.32	22.32	22.32			
5	16QAM	1	0	22.47	22.47	22.47	24	0	
5	16QAM	1	12	22.43	22.43	22.43			
5	16QAM	1	25	22.38	22.38	22.38			
5	16QAM	12	0	22.47	22.47	22.47			
5	16QAM	12	7	22.39	22.39	22.39	22.5	1.5	
5	16QAM	12	14	22.30	22.30	22.30			
5	16QAM	25	0	22.18	22.18	22.18			
5	16QAM	25	12	22.09	22.09	22.09			
5	256QAM	1	0	19.51	19.51	19.51	21	3	
5	256QAM	1	12	19.49	19.49	19.49			
5	256QAM	1	25	19.25	19.25	19.24			
5	256QAM	12	0	19.56	19.56	19.56			
5	256QAM	12	7	19.22	19.22	19.21	21	3	
5	256QAM	12	14	19.17	19.16	19.17			
5	256QAM	25	0	19.27	19.27	19.27			
5	256QAM	25	12	19.18	19.18	19.18			



Band 25 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Mod Ch / Freq	Power Mod Ch / Freq	Power Mod Ch / Freq	Turnup time (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.18	23.20	23.31			
20	QPSK	1	49	23.85	23.94	24.04	24	0	
20	QPSK	1	99	24.00	24.19	24.03			
20	QPSK	50	0	23.18	23.20	23.19			
20	QPSK	50	24	23.13	23.18	23.14			
20	QPSK	50	50	23.01	23.09	23.05	24	0	
20	QPSK	100	0	23.11	23.22	23.15			
20	QPSK	100	24	23.13	23.17	23.14			
20	16QAM	1	49	23.05	23.14	23.07			
20	16QAM	1	99	23.09	23.09	23.07			
20	16QAM	50	24	23.85	23.94	24.04			
20	16QAM	50	24	23.84	23.89	23.90	24	0	
20	16QAM	50	50	23.77	23.84	23.84			
20	16QAM	100	0	23.84	23.95	23.91			
20	64QAM	1	49	22.98	22.92	22.90	24	0	
20	64QAM	1	99	22.88	22.90	22.92			
20	64QAM	50	24	21.93	22.04	21.97			
20	64QAM	50	50	21.82	21.95	21.85	23	1	
20	64QAM	100	0	22.06	22.05	22.03			
20	256QAM	1	49	19.94	19.95	19.92			
20	256QAM	1	99	19.89	19.90	19.97			
20	256QAM	50	24	19.81	19.83	19.91			
20	256QAM	50	50	19.82	19.84	19.87	21	3	
20	256QAM	100	0	19.96	19.99	19.92			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.07	23.26	23.17			
15	QPSK	1	24	23.91	23.98	24.04	24	0	
15	QPSK	1	74	23.91	23.99	23.99			
15	QPSK	36	0	23.02	23.10	23.14			
15	QPSK	36	24	23.07	23.08	23.07	24	0	
15	QPSK	36	39	22.90	23.01	23.01			
15	QPSK	75	0	23.06	23.14	23.09			
15	16QAM	1	24	22.98	23.15	23.03			
15	16QAM	1	37	22.96	23.04	22.94	24	0	
15	16QAM	1	74	22.94	22.96	22.96			
15	16QAM	36	20	22.70	22.79	22.83			
15	16QAM	36	20	22.79	22.79	22.83	24	0	
15	16QAM	36	49	22.82	22.82	22.84			
15	16QAM	75	0	22.90	23.13	22.90			
15	64QAM	1	0	22.87	23.04	22.91	24	0	
15	64QAM	1	49	22.82	22.82	22.84			
15	64QAM	1	74	22.76	22.87	22.78			
15	64QAM	36	0	21.89	22.07	22.02			
15	64QAM	36	49	21.85	21.79	21.85	23	1	
15	64QAM	36	99	21.70	21.75	21.71			
15	64QAM	75	0	22.02	22.01	21.98			
15	256QAM	1	24	19.95	19.95	19.95			
15	256QAM	1	37	19.91	19.90	19.98	21	3	
15	256QAM	1	74	19.87	19.78	19.91			
15	256QAM	50	24	19.85	19.85	19.85			
15	256QAM	50	24	19.91	19.92	19.92	21	3	
15	256QAM	50	39	19.72	19.80	19.75			
15	256QAM	100	0	19.83	19.87	19.78			
Channel									
Frequency (MHz)									
5	QPSK	1	0	19.05	19.08	19.10			
5	QPSK	1	25	22.87	23.15	23.09	24	0	
5	QPSK	1	49	22.80	23.00	23.00			
5	QPSK	25	0	23.03	23.03	23.03			
5	QPSK	25	14	23.03	23.09	23.07	24	0	
5	QPSK	25	25	22.84	22.86	22.92			
5	QPSK	25	25	23.18	23.18	23.14			
5	16QAM	1	0	23.06	23.14	23.07			
5	16QAM	1	25	22.81	23.10	22.92	24	0	
5	16QAM	1	25	22.85	23.08	23.08			
5	16QAM	25	0	22.78	22.90	22.87			
5	16QAM	25	12	22.81	22.85	22.84	24	0	
5	16QAM	25	12	22.70	22.81	22.76			
5	16QAM	50	0	22.81	23.03	22.92			
5	64QAM	1	0	22.84	23.02	22.84	24	0	
5	64QAM	1	0	22.85	22.87	22.92			
5	64QAM	1	49	22.85	22.94	22.81			
5	64QAM	25	0	21.89	22.10	22.02			
5	64QAM	25	0	21.84	21.82	21.84	23	1	
5	64QAM	25	25	21.77	21.83	21.77			
5	64QAM	50	0	21.97	21.88	21.94			
5	64QAM	50	0	21.91	22.02	21.97			
5	256QAM	1	24	19.91	19.92	19.91			
5	256QAM	1	25	19.92	19.97	19.91	21	3	
5	256QAM	12	0	19.88	19.86	19.86			
5	256QAM	12	0	19.87	19.85	19.86			
5	256QAM	25	25	19.77	19.80	19.76	21	3	
5	256QAM	50	0	19.83	19.87	19.78			
Channel									
Frequency (MHz)									
3	QPSK	1	0	19.05	19.08	19.10			
3	QPSK	1	12	22.95	23.17	23.11	24	0	
3	QPSK	1	24	22.88	23.02	23.00			
3	QPSK	12	0	23.15	23.15	23.15			
3	QPSK	12	7	23.07	23.10	23.07	24	0	
3	QPSK	12	13	22.90	22.92	23.01			
3	QPSK	12	13	23.08	23.12	23.08			
3	16QAM	1	0	23.07	23.13	23.03			
3	16QAM	1	12	22.97	22.99	22.95	24	0	
3	16QAM	1	12	23.01	22.98	23.03			
3	16QAM	12	0	22.81	22.82	22.87			
3	16QAM	12	7	22.74	22.74	22.72	24	0	
3	16QAM	12	14	22.74	22.75	22.72			
3	16QAM	25	0	22.81	23.08	22.94			
3	64QAM	1	0	22.80	23.11	22.90	24	0	
3	64QAM	1	0	22.82	22.89	22.78			
3	64QAM	1	24	22.73	22.90	22.83			
3	64QAM	12	0	21.87	22.02	22.01			
3	64QAM	12	0	21.88	21.99	21.85	23	1	
3	64QAM	12	13	21.68	21.89	21.76			
3	64QAM	25	0	21.92	21.91	21.97			
3	256QAM	1	24	19.81	19.80	19.88			
3	256QAM	1	12	19.85	19.86	19.89	21	3	
3	256QAM	1	24	19.76	19.76	19.81			
3	256QAM	12	0	19.88	19.86	19.88			
3	256QAM	12	13	19.71	19.85	19.76	21	3	
3	256QAM	25	0	19.83	19.85	19.82			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.15	23.23	23.23			
1.4	QPSK	1	8	20.88	23.07	23.13	24	0	
1.4	QPSK	1	14	22.97	23.04	22.99			
1.4	QPSK	3	0	23.11	23.15	23.12			
1.4	QPSK	3	4	23.10	23.10	23.07			
1.4	QPSK	3	7	22.94	23.01	22.93	24	0	
1.4	QPSK	3	7	23.02	23.12	23.11			
1.4	16QAM	1	0	23.04	23.14	23.11	24	0	
1.4	16QAM	1	8	23.01	23.08	22.94			
1.4	16QAM	1	8	23.05	23.07	22.96	24	0	
1.4	16QAM	1	0	22.80	22.83	22.79			
1.4	16QAM	3	4	22.73	22.80	22.76	24	0	
1.4	16QAM	3	4	22.68	22.79	22.70			
1.4	16QAM	15	0	22.90	23.03	22.93			
1.4	16QAM	1	0	22.87	23.09	22.91	24	0	
1.4	16QAM	1	8	22.84	22.84	22.86			
1.4	64QAM	1	14	22.78	22.88	22.82			
1.4	64QAM	1	8	21.81	21.91	21.84			
1.4	64QAM	3	0	21.82	21.90	21.91	23	1	
1.4	64QAM	3	7	21.74	21.82	21.74			
1.4	64QAM	15	0	19.84	19.90	19.89			
1.4	256QAM	1	8	19.81	19.83	19.89	21	3	
1.4	256QAM	1	8	19.84	19.88	19.88			
1.4	256QAM	3	0	19.91	19.92	19.89			
1.4	256QAM	3	4	19.80	19.88	19.85	21	3	
1.4	256QAM	3	4	19.79	19.86	19.78			
1.4	256QAM	15	0	19.89	19.90	19.77			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.15	23.23	23.23			
1.4	QPSK	1	5	22.88	23.17	23.14	24	0	
1.4	QPSK	1	5	22.93	22.96	22.89			
1.4	QPSK	3	0	23.02	23.07	23.07			
1.4	QPSK	3	1	23.03	23.06	22.99			
1.4	16QAM	1	0	22.87	22.93	22.96	24	0	
1.4	16QAM	1	0	22.99	23.10	23.01			
1.4	16QAM	1	0	22					



Band 38 Ant2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel				37850	38000	38150						
Frequency (MHz)				22.20	22.04	22.12						
20	QPSK	1	0	22.20	22.25	22.12	23	0				
20	QPSK	1	49	22.03	22.07	21.99						
20	QPSK	1	89	22.02	22.10	21.90						
20	QPSK	50	0	22.07	22.16	22.00						
20	QPSK	50	24	22.00	22.08	22.00	23	0				
20	QPSK	50	50	21.93	22.03	21.90						
20	QPSK	100	0	22.04	22.11	21.95						
20	16QAM	1	0	22.01	22.17	22.00						
20	16QAM	1	49	21.99	22.02	22.00	23	0				
20	16QAM	1	99	21.88	21.92	21.92						
20	16QAM	50	0	21.94	21.92	21.94						
20	16QAM	50	24	21.91	21.96	21.90						
20	16QAM	50	50	21.90	21.90	21.40	22.5	0.5				
20	16QAM	100	0	21.82	21.97	21.90						
20	64QAM	1	0	21.02	21.64	21.00						
20	64QAM	1	49	21.02	21.64	21.50						
20	64QAM	1	99	21.51	21.63	21.50	22.5	0.5				
20	64QAM	50	0	20.03	20.75	20.50						
20	64QAM	50	24	20.49	20.58	20.59						
20	64QAM	50	50	20.45	20.51	20.54						
20	64QAM	100	0	20.52	20.58	20.48	21.5	1.5				
20	256QAM	1	0	18.07	18.78	18.50						
20	256QAM	1	49	18.54	18.78	18.50						
20	256QAM	1	99	18.46	18.58	18.50						
20	256QAM	36	0	18.45	18.67	18.50	19.5	3.5				
20	256QAM	50	24	18.58	18.62	18.54						
20	256QAM	50	50	18.45	18.58	18.48						
20	256QAM	100	0	18.41	18.72	18.50						
Channel				37850	38000	38175						
Frequency (MHz)				22.12	22.05	21.975						
16	QPSK	1	0	22.11	22.10	22.00	23	0				
16	QPSK	1	37	21.84	21.93	21.89						
16	QPSK	1	74	21.88	21.86	21.79						
16	QPSK	36	0	22.00	22.06	21.90						
16	QPSK	36	20	21.86	21.95	21.92	23	0				
16	QPSK	36	50	21.82	21.83	21.40						
16	QPSK	75	0	21.84	22.04	21.91						
16	16QAM	1	0	21.98	22.04	21.97						
16	16QAM	1	37	21.87	21.91	21.90	23	0				
16	16QAM	1	74	21.78	21.79	21.78						
16	16QAM	36	0	21.40	21.61	21.41						
16	16QAM	36	20	21.40	21.42	21.40						
16	16QAM	36	50	21.38	21.38	21.38	22.5	0.5				
16	16QAM	75	0	21.48	21.68	21.41						
16	64QAM	1	0	21.52	21.63	21.40						
16	64QAM	1	37	21.38	21.61	21.44						
16	64QAM	1	74	21.41	21.49	21.44	22.5	0.5				
16	64QAM	36	0	20.55	20.69	20.52						
16	64QAM	36	20	20.45	20.47	20.49						
16	64QAM	36	50	20.48	20.45	20.45						
16	64QAM	75	0	20.48	20.45	20.45	21.5	1.5				
16	256QAM	1	0	18.45	18.70	18.50						
16	256QAM	1	37	18.48	18.65	18.51						
16	256QAM	1	74	18.38	18.44	18.47						
16	256QAM	36	0	18.58	18.72	18.50	19.5	3.5				
16	256QAM	36	20	18.50	18.51	18.44						
16	256QAM	36	50	18.33	18.46	18.43						
16	256QAM	75	0	18.50	18.64	18.47						
Channel				37850	38000	38200						
Frequency (MHz)				22.05	22.00	21.91						
10	QPSK	1	0	22.04	22.14	21.91	23	0				
10	QPSK	1	25	21.97	21.94	21.93						
10	QPSK	1	49	21.97	21.98	21.81						
10	QPSK	25	0	21.84	22.00	21.90						
10	QPSK	25	12	21.88	21.90	21.90	23	0				
10	QPSK	25	25	21.90	21.89	21.75						
10	QPSK	25	0	21.87	22.01	21.82						
10	16QAM	1	0	21.82	22.10	22.00						
10	16QAM	1	25	21.94	21.89	21.91	23	0				
10	16QAM	1	49	21.75	21.79	21.88						
10	16QAM	25	0	21.41	21.64	21.44						
10	16QAM	25	12	21.43	21.41	21.44						
10	16QAM	25	25	21.44	21.40	21.38	22.5	0.5				
10	16QAM	50	0	21.42	21.62	21.40						
10	64QAM	1	0	21.56	21.66	21.50						
10	64QAM	1	25	21.38	21.59	21.43						
10	64QAM	1	49	21.36	21.49	21.44	22.5	0.5				
10	64QAM	25	0	20.54	20.66	20.51						
10	64QAM	25	12	20.38	20.48	20.52						
10	64QAM	25	25	20.37	20.39	20.47						
10	64QAM	50	0	20.41	20.49	20.36	21.5	1.5				
10	256QAM	1	0	18.50	18.67	18.51						
10	256QAM	1	25	18.50	18.72	18.45						
10	256QAM	1	49	18.34	18.51	18.45						
10	256QAM	25	0	18.51	18.67	18.57	19.5	3.5				
10	256QAM	25	12	18.45	18.57	18.44						
10	256QAM	25	25	18.52	18.50	18.44						
10	256QAM	50	0	18.49	18.67	18.49						
Channel				37750	38000	38225						
Frequency (MHz)				22.00	22.00	22.00						
5	QPSK	1	0	22.00	22.19	22.00	23	0				
5	QPSK	1	12	21.91	21.93	21.92						
5	QPSK	1	24	21.89	22.00	21.80						
5	QPSK	12	0	21.94	22.11	22.00						
5	QPSK	12	7	21.94	22.02	21.90	23	0				
5	QPSK	12	13	21.88	21.89	21.81						
5	QPSK	25	0	21.90	21.97	21.81						
5	16QAM	1	0	21.91	22.04	22.04						
5	16QAM	1	12	21.95	21.90	21.89	23	0				
5	16QAM	1	24	21.74	21.78	21.80						
5	16QAM	12	0	21.42	21.67	21.42						
5	16QAM	12	7	21.40	21.41	21.39						
5	16QAM	12	13	21.38	21.37	21.31	22.5	0.5				
5	16QAM	25	0	21.39	21.59	21.44						



Band 41 PC2 FCC Ant2																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Low-Mid Ch / Freq	Power High-Mid Ch / Freq	Power High-Mid Ch / Freq	Tune-up Int (dBm)	MPR (dB)						
Channel																
Frequency (MHz)																
20	QPSK	1	0	25.25	25.30	25.42	25.22	25.33	26.5	0						
20	QPSK	1	49	25.09	25.19	25.28	25.14	25.18								
20	QPSK	50	0	25.05	25.07	25.09	25.08	25.10								
20	QPSK	50	24	24.99	25.03	25.15	25.06	25.04								
20	QPSK	50	50	24.82	24.87	24.98	24.83	24.88	26.5	0						
20	QPSK	100	0	24.87	25.01	25.22	25.10	25.10								
20	16QAM	1	0	25.11	25.20	25.32	25.18	25.23								
20	16QAM	1	99	25.02	25.07	25.13	25.10	25.01								
20	16QAM	50	0	23.98	24.04	24.24	24.14	24.20	25.5	1						
20	16QAM	50	24	23.96	24.07	24.16	24.05	24.10								
20	64QAM	1	0	24.43	24.48	24.47	24.40	24.42								
20	64QAM	1	99	24.33	24.43	24.49	24.43	24.36								
20	64QAM	50	0	23.08	23.15	23.30	23.10	23.11	25.5	1						
20	64QAM	50	24	22.93	23.05	23.13	23.11	23.01								
20	64QAM	50	50	22.96	23.01	23.11	23.04	22.98								
20	64QAM	100	0	23.00	23.08	23.17	23.17	23.11								
20	256QAM	1	0	21.19	21.31	21.45	21.26	21.31	24.5	2						
20	256QAM	1	49	21.22	21.26	21.46	21.31	21.41								
20	256QAM	1	99	21.12	21.18	21.23	21.25	21.14								
20	256QAM	50	0	21.06	21.08	21.24	21.13	21.17								
20	256QAM	50	24	20.99	21.03	21.09	21.00	21.02	22.5	4						
20	256QAM	50	50	20.86	21.01	21.04	20.88	20.93								
20	256QAM	100	0	21.00	21.13	21.27	21.08	21.13								
Channel																
Frequency (MHz)																
15	QPSK	1	0	25.14	25.23	25.34	25.17	25.21	26.50	0						
15	QPSK	1	37	25.01	25.08	25.19	25.06	25.09								
15	QPSK	1	74	24.93	25.01	25.24	24.94	25.06								
15	QPSK	36	0	25.02	25.11	25.19	25.08	25.09								
15	QPSK	36	20	24.87	24.91	25.04	24.85	24.92	26.5	0						
15	QPSK	36	50	24.86	24.90	24.98	24.86	24.90								
15	QPSK	75	0	24.82	24.90	25.09	25.03	24.99								
15	16QAM	1	0	25.04	25.08	25.20	25.14	25.16								
15	16QAM	1	37	24.99	25.05	25.12	24.94	25.10	26.5	0						
15	16QAM	1	74	24.92	24.98	25.01	24.88	24.98								
15	16QAM	36	0	23.88	23.93	24.08	24.10	24.08								
15	16QAM	36	20	23.85	23.93	24.04	23.82	23.90								
15	16QAM	36	50	23.88	23.92	24.07	23.92	23.90	25.5	1						
15	16QAM	75	0	23.85	24.01	24.13	23.98	24.13								
15	64QAM	1	0	24.35	24.38	24.50	24.43	24.54								
15	64QAM	1	37	24.31	24.38	24.39	24.36	24.36								
15	64QAM	1	74	24.26	24.34	24.31	24.37	24.23	24.5	2						
15	64QAM	36	0	23.87	23.10	23.15	23.84	23.86								
15	64QAM	36	20	22.82	23.02	23.01	23.08	22.91								
15	64QAM	36	50	22.85	23.00	23.05	22.95	22.95								
15	64QAM	75	0	22.94	23.05	23.13	23.11	23.01	24.5	2						
15	256QAM	1	0	21.14	21.19	21.32	21.20	21.16								
15	256QAM	1	37	21.13	21.14	21.23	21.23	21.33								
15	256QAM	1	74	20.98	21.11	21.12	21.10	21.12								
15	256QAM	36	0	21.00	21.04	21.18	21.09	21.11	22.5	4						
15	256QAM	36	20	20.81	20.94	21.01	20.98	20.88								
15	256QAM	36	50	20.80	20.94	21.01	20.94	20.88								
15	256QAM	75	0	20.90	21.04	21.17	21.00	21.11								
Channel																
Frequency (MHz)																
10	QPSK	1	0	25.17	25.18	25.24	25.14	25.17	26.50	0						
10	QPSK	1	25	25.03	25.05	25.20	25.10	25.20								
10	QPSK	1	49	24.94	24.99	25.20	25.00	25.12								
10	QPSK	25	12	24.84	24.91	25.20	24.93	25.16								
10	QPSK	25	12	24.88	24.96	25.12	24.87	24.91	26.5	0						
10	QPSK	25	25	24.88	24.88	24.92	24.95	24.81								
10	QPSK	50	0	24.76	24.87	25.14	24.88	24.96								
10	16QAM	1	0	25.06	25.14	25.22	25.12	25.20								
10	16QAM	1	25	24.97	25.01	25.16	24.99	25.01	26.5	0						
10	16QAM	1	49	24.88	24.97	25.03	24.88	24.92								
10	16QAM	25	0	23.88	23.97	24.17	24.05	24.16								
10	16QAM	25	12	23.83	23.93	24.05	23.96	23.96								
10	16QAM	25	25	23.83	23.92	24.05	23.93	23.93	25.5	1						
10	16QAM	50	0	23.90	23.99	24.13	23.89	24.15								
10	64QAM	1	0	24.32	24.47	24.57	24.46	24.56								
10	64QAM	1	25	24.37	24.39	24.44	24.37	24.35								
10	64QAM	1	49	24.20	24.31	24.31	24.30	24.29	25.5	1						
10	64QAM	25	0	23.04	23.13	23.13	23.00	23.08								
10	64QAM	25	12	22.88	22.96	23.04	23.01	22.90								
10	64QAM	25	25	22.84	22.95	23.14	23.04	23.05								
10	256QAM	1	0	21.08	21.20	21.31	21.18	21.19	22.5	4						
10	256QAM	1	25	21.16	21.13	21.36	21.25	21.37								
10	256QAM	1	49	20.98	21.14	21.15	21.19	21.08								
10	256QAM	25	0	20.93	21.00	21.13	21.10	21.06								
10	256QAM	25	12	20.75	20.90	20.97	20.87	20.86	22.5	4						
10	256QAM	25	25	20.79	20.87	20.91	20.91	20.80								
10	256QAM	50	0	20.85	20.98	21.19	21.05	21.05								
Channel																
Frequency (MHz)																
5	QPSK	1	0	25.11	25.19	25.31	25.10	25.19	26.50	0						
5	QPSK	1	12	25.03	25.10	25.14	25.01	25.10								
5	QPSK	1	24	24.93	25.01	25.23	24.94	25.14								
5	QPSK	12	0	24.96	25.13	25.21	25.07	25.19								
5	QPSK	12	7	24.88	24.97	25.03	25.00	24.88	26.5	0						
5	QPSK	12	13	24.85	24.93	25.01	24.83	24.81								
5	QPSK	25	0	24.73	24.87	25.12	24.68	24.69								
5	16QAM	1	0	25.05	25.09	25.20	25.11	25.15	26.5	0						
5	16QAM	1	12	24.98	25.03	25.14	24.93	25.04								
5	16QAM	1	24	24.89	25.03	25.20	24.85	24.91								
5	16QAM	1	24	24.89	25.03	25.20	24.85	24.91	26.5	0						
5	16QAM	1	24	24.89	25.03	25.20	24.85	24.91								
5	16QAM	12	7	23.88	23.97	24.02	24.01	23.98								
5	16QAM	12	13	23.83	23.94	24.08	23.80	23.93	25.5	1						
5	16QAM	12	25	23.87	23.94	24.02	23.82	23.90								
5	16QAM	25	0	24.36	24.46	24.55	24.47	24.54								
5	64QAM	1	0	24.30	24.43	24.50	24.34	24.52	25.5	1						
5	64QAM	1	24	24.24	24.37	24.43	24.27	24.34								
5	64QAM	12	0	22.86	22.98	23.09	22.89	22.89								
5	64QAM	12	7	22.82	22.92	23.05	22.84	22.87	24.5	2						
5	64QAM	12	13	22.79	22.90	23.03	22.79	22.86								
5	64QAM	25	0	22.86	23.04	23.09	23.04	22.99								
5	256QAM	1	0	21.07	21.12	21.25	21.13	21.17	22.5	4						
5	256QAM	1	12	21.08	21.19	21.41	21.17	21.37								
5	256QAM	1	24	21.04	21.09	21.14	21.21	21.05								
5	256QAM	12	0	20.93	21.02	21.17	21.08	21.14								
5	256QAM	12	7	20.85	20.91	20.99	20.88	20.91	22.5	4						
5	256QAM	12	13	20.77	20.91	20.92	20.89	20.87								
5	256QAM	25	0	20.88	21.01	21.19	21.05	21.05								
5	256QAM	25	12	20.82	20.93	21.05	20.89	20.91								

OSM1800-Av3									
Tx Channel		Base-Average Power (dBm)			Tx Power		Frame-Average Power (dBm)		
Tx Channel		812	865	810	Limit	812	865	810	Limit
Frequency (MHz)		1800.2	1800.3	1800.2	(dBm)	1800.2	1800.3	1800.2	(dBm)
OSM 1 Tx-WiFi		20.56	20.60	20.63	30.00	20.56	20.60	20.63	21.00
OSM 1 Tx-WiFi		20.52	20.61	20.49	30.00	20.52	20.61	20.49	21.00
OSM 2 Tx-WiFi		21.05	21.12	20.97	26.00	21.05	21.12	20.97	22.00
OSM 3 Tx-WiFi		20.70	21.10	20.40	26.00	21.44	21.00	21.40	22.24
OSM 4 Tx-WiFi		20.14	20.57	21.40	24.00	20.14	20.57	20.40	21.00
EDGE 1 Tx-WiFi		20.06	20.13	24.59	26.00	18.06	16.13	18.09	17.00
EDGE 2 Tx-WiFi		20.33	20.42	23.40	24.00	17.33	17.43	17.40	18.00
EDGE 3 Tx-WiFi		22.21	22.25	22.25	23.00	17.00	18.00	17.00	19.24
EDGE 4 Tx-WiFi		20.13	20.18	20.08	21.00	17.13	17.18	17.08	18.00

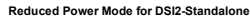
V-CDMA 1-Av3									
Base		V-CDMA II			Tx Power		V-CDMA IV		
Tx Channel		5882	5880	5838	Limit	5812	5811	5815	Limit
Tx Channel		5882	5880	5838	(dBm)	5812	5811	5815	(dBm)
Frequency (MHz)		5882	5880	5838	24.00	5812	5811	5815	24.00
SOPF Rel 90		22.06	22.00	21.00	24.00	21.24	22.00	21.21	24.00
SOPF Rel 90		22.05	22.00	22.02	24.00	22.89	23.00	22.84	24.00
SOPF Rel 8		21.05	22.14	22.11	23.00	21.01	22.04	22.04	23.00
SOPF Rel 6		22.04	22.17	21.92	23.00	21.83	22.07	21.84	23.00
SOPF Rel 6		21.64	21.69	21.57	23.00	21.50	21.49	21.44	22.00
SOPF Rel 6		21.48	21.60	21.60	22.00	21.43	21.50	21.50	22.00
SOPF Rel 6		22.06	22.17	21.98	23.00	21.90	22.00	21.90	23.00
SOPF Rel 6		21.09	22.13	22.18	23.00	21.01	22.07	22.07	23.00
SOPF Rel 6		21.37	21.57	21.48	22.00	21.28	21.46	21.34	22.00
SOPF Rel 6		21.43	21.55	21.44	22.00	21.30	21.45	21.31	22.00
SOPF Rel 6		22.08	22.31	21.97	23.00	22.04	22.24	21.94	23.00
SOPF Rel 6		20.23	20.14	20.17	21.00	20.20	20.00	20.04	21.00
SOPF Rel 6		21.20	21.00	21.03	22.00	21.10	20.00	20.00	22.00
SOPF Rel 6		19.08	20.25	20.22	21.00	19.84	20.10	20.08	21.00
SOPF Rel 6		22.03	22.04	21.94	23.00	21.90	21.90	21.80	23.00

Band 2 Ant3													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 18050	Power Mid Ch./Freq. 18050	Power High Ch./Freq. 18050	Turnup time (sec)	MPR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	22.66	22.72	22.75			24	0			
20	QPSK	1	49	22.62	22.68	22.67							
20	QPSK	1	99	22.45	22.58	22.63			24	0			
20	QPSK	50	0	22.49	22.67	22.63							
20	QPSK	50	24	22.45	22.65	22.69			24	0			
20	QPSK	50	50	22.38	22.47	22.38							
20	QPSK	100	0	22.45	22.65	22.61			24	0			
20	16QAM	1	0	22.40	22.48	22.46							
20	16QAM	1	49	22.36	22.45	22.41			24	0			
20	16QAM	1	99	22.33	22.44	22.37							
20	16QAM	50	0	22.38	22.54	22.44			24	0			
20	16QAM	50	24	22.38	22.37	22.31							
20	16QAM	50	50	22.32	22.38	22.31			24	0			
20	16QAM	100	0	22.38	22.49	22.39							
20	84QAM	1	0	22.29	22.47	22.31			24	0			
20	84QAM	1	49	22.29	22.29	22.29							
20	84QAM	1	99	22.24	22.32	22.27			24	0			
20	84QAM	50	0	22.28	22.48	22.29							
20	84QAM	50	24	22.28	22.34	22.24			24	0			
20	84QAM	50	50	22.26	22.38	22.31							
20	84QAM	100	0	22.42	22.48	22.38			21	3			
20	256QAM	1	49	19.47	19.63	19.48							
20	256QAM	1	99	19.38	19.43	19.32			21	3			
20	256QAM	50	0	19.37	19.53	19.37							
20	256QAM	50	24	19.33	19.39	19.36			21	3			
20	256QAM	50	50	19.25	19.35	19.32							
20	256QAM	100	0	19.43	19.63	19.42							
Channel													
Frequency (MHz)													
18	QPSK	1	0	22.60	22.68	22.61			24	0			
18	QPSK	1	37	22.42	22.48	22.49							
18	QPSK	1	74	22.40	22.49	22.46			24	0			
18	QPSK	36	0	22.42	22.59	22.47							
18	QPSK	36	37	22.30	22.31	22.36			24	0			
18	QPSK	36	39	22.31	22.39	22.29							
18	QPSK	75	0	22.34	22.59	22.34			24	0			
18	16QAM	1	0	22.30	22.32	22.42							
18	16QAM	1	37	22.24	22.41	22.29			24	0			
18	16QAM	1	74	22.24	22.36	22.31							
18	16QAM	36	0	22.29	22.42	22.28			24	0			
18	16QAM	36	20	22.32	22.27	22.28							
18	16QAM	36	24	22.28	22.39	22.32			24	0			
18	16QAM	75	0	22.26	22.44	22.27							
18	84QAM	1	0	22.17	22.37	22.21			24	0			
18	84QAM	1	37	22.52	22.37	22.38							
18	84QAM	1	74	22.14	22.21	22.21			24	0			
18	84QAM	36	0	22.23	22.41	22.19							
18	84QAM	36	20	22.14	22.33	22.22			24	0			
18	84QAM	36	39	22.20	22.22	22.17							
18	84QAM	75	0	22.28	22.34	22.29			21	3			
18	256QAM	1	0	19.35	19.50	19.42							
18	256QAM	1	37	19.39	19.50	19.40			21	3			
18	256QAM	1	74	19.33	19.30	19.26							
18	256QAM	36	0	19.37	19.52	19.46			21	3			
18	256QAM	36	20	19.23	19.25	19.20							
18	256QAM	36	39	19.14	19.23	19.20			21	3			
18	256QAM	75	0	19.38	19.33	19.29							
Channel													
Frequency (MHz)													
18	QPSK	1	0	22.63	22.61	22.61			24	0			
18	QPSK	1	25	22.46	22.54	22.50							
18	QPSK	1	49	22.34	22.52	22.43			24	0			
18	QPSK	25	0	22.42	22.70	22.45							
18	QPSK	25	12	22.37	22.50	22.43			24	0			
18	QPSK	25	25	22.27	22.33	22.27							
18	QPSK	50	0	22.30	22.42	22.32			24	0			
18	16QAM	1	0	22.26	22.40	22.37							
18	16QAM	1	26	22.24	22.33	22.30			24	0			
18	16QAM	1	49	22.13	22.22	22.13							
18	16QAM	25	0	22.23	22.45	22.21			24	0			
18	16QAM	25	12	22.22	22.28	22.20							
18	16QAM	50	0	22.20	22.28	22.20			24	0			
18	16QAM	50	0	22.37	22.34	22.25							
18	256QAM	1	0	19.38	19.53	19.41			21	3			
18	256QAM	1	26	19.38	19.57	19.34							
18	256QAM	1	49	19.27	19.31	19.27			21	3			
18	256QAM	25	12	19.28	19.36	19.26							
18	256QAM	25	25	19.14	19.28	19.19			21	3			
Channel													
Frequency (MHz)													
5	QPSK	1	0	22.63	22.61	22.61					24	0	
5	QPSK	1	12	22.39	22.54	22.46							
5	QPSK	1	24	22.38	22.51	22.49			24	0			
5	QPSK	12	0	22.41	22.57	22.44							
5	QPSK	12	7	22.34	22.45	22.41			24	0			
5	QPSK	12	13	22.30	22.39	22.33							
5	QPSK	25	0	22.34	22.52	22.32			24	0			
5	16QAM	1	0	22.31	22.45	22.31							
5	16QAM	1	12	22.31	22.42	22.28			24	0			
5	16QAM	1	24	22.19	22.33	22.30							
5	16QAM	12	0	22.33	22.46	22.32			24	0			
5	16QAM	12	7	22.24	22.23	22.28							
5	16QAM	12	13	22.23	22.28	22.20			24	0			
5	16QAM	25	0	22.29	22.49	22.24							
5	84QAM	1	0	22.20	22.41	22.22			24	0			
5	84QAM	1	7	22.17	22.27	22.20							
5	84QAM	1	24	22.20	22.26	22.23			24	0			
5	84QAM	12	0	22.14	22.20	22.15							
5	84QAM	12	7	22.23	22.27	22.28			24	0			
5	84QAM	12	13	22.14	22.20	22.15							
5	84QAM	25	0	22.37	22.38	22.27			24	0			
5	256QAM	1	0	19.37	19.50	19.39							
5	256QAM	1	12	19.43	19.52	19.42			21	3			
5	256QAM	1	24	19.25	19.33	19.29							
5	256QAM	12	0	19.26	19.42	19.33			21	3			
5	256QAM	12	7	19.33	19.40	19.35							
5	256QAM	12	13	19.32	19.35	19.26			21	3			
5	256QAM	25	0	19.31	19.50	19.46							
Channel													
Frequency (MHz)													
3	QPSK	1	0	22.51	22.60	22.50			24	0			
3	QPSK	1	8	22.37	22.51	22.45							
3	QPSK	1	14	22.39	22.51	22.41			24	0			
3	QPSK	8	0	22.43	22.58	22.44							
3	QPSK	8	4	22.39	22.42	22.43			24	0			
3	QPSK	8	7	22.35	22.33	22.34							
3	QPSK	15	0	22.34	22.48	22.32			24	0			
3	16QAM	1	0	22.30	22.63	22.41							
3	16QAM	1	8	22.32	22.38	22.33			24	0			
3	16QAM	1	14	22.16	22.30	22.30							
3	16QAM	8	0	22.28	22.43	22.34			24	0			
3	16QAM	8	4	22.27	22.31	22.31							
3	16QAM	8	7	22.22	22.27	22.23			24	0			
3	16QAM	15	0	22.34	22.44	22.38							
3	84QAM	1	0	22.23	22.43	22.29			24	0			
3	84QAM	1	8	22.22	22.18	22.21							
3	84QAM	1	14	22.15	22.22	22.22			24	0			
3	84QAM	8	0	22.21	22.37	22.27							
3	84QAM	8	4	22.22	22.23	22.27			24	0			
3	84QAM	8	7	22.17	22.21	22.21							
3	84QAM	15	0	22.35	22.35	22.27			24	0			
3	84QAM	15	0	22.35	22.38	22.29							
3	256QAM	1	0	19.42	19.58	19.38			21	3			
3	256QAM	1	8	19.35	19.50	19.38							
3	256QAM	1	14	19.23	19.29	19.21			21	3			
3	256QAM	8	0	19.29	19.47	19.33							
3	256QAM	8	4	19.32	19.39	19.32			21	3			
3	256QAM	8	7	19.21	19.30	19.32							
3	256QAM	15	0	19.36	19.59	19.39							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	22.61	22.61	22.66			24	0			
1.4	QPSK	1	8	22.37	22.57	22.47							
1.4	QPSK	1	16	22.35	22.53	22.45			24	0			
1.4	QPSK	3	0	22.43	22.58	22.46							
1.4	QPSK	3	8	22.39	22.42	22.43			24	0			
1.4	QPSK	3	16	22.35	22.33	22.34							
1.4	QPSK	6	0	22.31	22.48	22.37			24	0			
1.4	QPSK	6	8	22.24	22.54	22.42							
1.4	QPSK	3	16	22.28	22.41	22.36			24	0			
1.4	16QAM	1	0	22.21	22.37	22.33							
1.4	16QAM	1	8	22.21	22.41	22.34			24	0			
1.4	16QAM	3	0	22.24	22.30	22.23							
1.4	16QAM	3	8	22.26	22.31	22.28			24	0			
1.4	16QAM	3	16	22.19	22.20	22.23							
1.4	16QAM	6	0	22.19	22.42	22.22			24	0			
1.4	16QAM	6	8	22.20	22.31	22.22							
1.4	16QAM	6	16	22.19	22.31	22.22			24	0			
1.4	16QAM	6	0	22.34	22.33	22.30							
1.4	16QAM	1	0	19.34	19.57	19.41			21	3			
1.4	16QAM	1	8	19.34	19.48								

Band 25 Ant3														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 1805	Power Middle Ch / Freq. 1806	Power High Ch / Freq. 1807.5	Turn-up time (s)	MPE (dB)						
Channel														
1805 1805 1805														
20	QPSK	1	0	22.60	22.76	22.72	24	0						
20	QPSK	1	49	22.49	22.60	22.54								
20	QPSK	1	99	22.43	22.68	22.65								
20	QPSK	50	0	22.50	22.66	22.47								
20	QPSK	50	24	22.39	22.50	22.47	24	0						
20	QPSK	50	50	22.39	22.49	22.45								
20	QPSK	100	0	22.49	22.62	22.53								
20	16QAM	1	0	22.42	22.59	22.47								
20	16QAM	1	49	22.36	22.42	22.38	24	0						
20	16QAM	1	99	22.39	22.44	22.38								
20	16QAM	50	0	22.37	22.58	22.37								
20	16QAM	50	24	22.40	22.46	22.42								
20	16QAM	50	50	22.34	22.36	22.34	24	0						
20	64QAM	100	0	22.47	22.61	22.46								
20	64QAM	1	0	22.39	22.55	22.46								
20	64QAM	1	49	22.35	22.40	22.32								
20	64QAM	50	0	21.45	21.56	21.45	23	1						
20	64QAM	50	24	21.38	21.38	21.36								
20	64QAM	100	0	21.59	21.64	21.57								
20	64QAM	1	0	19.51	19.66	19.62								
20	256QAM	1	49	19.43	19.42	19.40	21	3						
20	256QAM	1	99	19.44	19.44	19.40								
20	256QAM	50	0	19.35	19.33	19.33								
20	256QAM	50	24	19.38	19.41	19.38								
20	256QAM	50	50	19.42	19.40	19.39	21	3						
20	256QAM	100	0	19.32	19.33	19.33								
20	256QAM	100	0	19.15	19.16	19.15								
20	256QAM	100	0	19.15	19.16	19.15								
Channel														
1807.5 1807.5 1807.5														
15	QPSK	1	0	22.50	22.69	22.69	24	0						
15	QPSK	1	37	22.48	22.68	22.47								
15	QPSK	1	74	22.27	22.48	22.42								
15	QPSK	36	0	22.38	22.62	22.37								
15	QPSK	36	18	22.30	22.37	22.41	24	0						
15	QPSK	36	36	22.35	22.43	22.42								
15	QPSK	75	0	22.44	22.56	22.41								
15	16QAM	1	0	22.36	22.51	22.34								
15	16QAM	1	37	22.25	22.39	22.31	24	0						
15	16QAM	1	74	22.28	22.38	22.35								
15	16QAM	36	0	22.26	22.53	22.29								
15	16QAM	36	20	22.32	22.33	22.33								
15	16QAM	36	36	22.31	22.30	22.31	24	0						
15	16QAM	50	0	22.34	22.58	22.43								
15	64QAM	1	0	22.30	22.42	22.36								
15	64QAM	1	37	22.22	22.33	22.25								
15	64QAM	1	74	22.22	22.24	22.13	23	1						
15	64QAM	36	0	21.34	21.52	21.34								
15	64QAM	36	18	21.32	21.53	21.43								
15	64QAM	75	0	21.62	21.68	21.54								
15	256QAM	1	0	19.48	19.55	19.43	21	3						
15	256QAM	1	37	19.40	19.61	19.37								
15	256QAM	1	74	19.30	19.38	19.36								
15	256QAM	36	0	19.32	19.33	19.33								
15	256QAM	36	20	19.29	19.43	19.29	21	3						
15	256QAM	36	36	19.34	19.35	19.26								
15	256QAM	75	0	19.32	19.33	19.40								
15	256QAM	75	0	19.32	19.33	19.40								
Channel														
1805 1805 1805														
10	QPSK	1	0	22.50	22.62	22.44	24	0						
10	QPSK	1	25	22.35	22.52	22.44								
10	QPSK	1	49	22.28	22.47	22.47								
10	QPSK	1	74	22.17	22.41	22.43								
10	QPSK	25	0	22.35	22.37	22.40	24	0						
10	QPSK	25	12	22.35	22.37	22.40								
10	QPSK	25	25	22.30	22.38	22.38								
10	QPSK	80	0	22.40	22.46	22.40								
10	16QAM	1	0	22.30	22.48	22.36	24	0						
10	16QAM	1	25	22.25	22.37	22.29								
10	16QAM	25	0	22.34	22.52	22.34								
10	16QAM	25	12	22.28	22.38	22.38								
10	16QAM	25	12	22.28	22.34	22.28	24	0						
10	16QAM	50	0	22.34	22.52	22.34								
10	64QAM	1	0	22.30	22.42	22.33								
10	64QAM	1	25	22.23	22.39	22.21								
10	64QAM	1	49	22.15	22.23	22.14	23	1						
10	64QAM	25	0	21.37	21.45	21.35								
10	64QAM	25	12	21.34	21.34	21.29								
10	64QAM	25	25	21.22	21.22	21.25								
10	64QAM	50	0	21.54	21.54	21.46	21	3						
10	256QAM	1	0	19.48	19.55	19.43								
10	256QAM	1	25	19.38	19.59	19.44								
10	256QAM	1	49	19.32	19.35	19.36								
10	256QAM	25	0	19.32	19.33	19.36	21	3						
10	256QAM	25	12	19.32	19.32	19.33								
10	256QAM	25	25	19.37	19.26	19.25								
10	256QAM	50	0	19.41	19.53	19.47								
Channel														
1802.5 1802.5 1802.5														
5	QPSK	1	0	22.50	22.62	22.45	24	0						
5	QPSK	1	10	22.42	22.57	22.40								
5	QPSK	1	24	22.25	22.46	22.41								
5	QPSK	12	0	22.45	22.47	22.44								
5	QPSK	12	7	22.30	22.48	22.38	24	0						
5	QPSK	12	13	22.26	22.44	22.38								
5	QPSK	26	0	22.43	22.49	22.40								
5	16QAM	1	0	22.29	22.48	22.40								
5	16QAM	1	10	22.32	22.29	22.24	24	0						
5	16QAM	1	24	22.28	22.45	22.36								
5	16QAM	12	0	22.24	22.48	22.23								
5	16QAM	12	7	22.33	22.39	22.36								
5	16QAM	12	13	22.26	22.35	22.29	24	0						
5	64QAM	1	0	22.32	22.47	22.42								
5	64QAM	1	10	22.28	22.34	22.17								
5	64QAM	1	24	22.14	22.24	22.25								
5	64QAM	12	0	21.34	21.47	21.36	23	1						
5	64QAM	12	7	21.28	21.24	21.29								
5	64QAM	12	13	21.12	21.27	21.24								
5	64QAM	26	0	21.46	21.59	21.49								
5	256QAM	1	0	19.47	19.57	19.38	21	3						
5	256QAM	1	12	19.38	19.52	19.33								
5	256QAM	1	24	19.32	19.33	19.33	21	3						
5	256QAM	12	0	19.37	19.58	19.42								
5	256QAM	12	7	19.32	19.41	19.26								
5	256QAM	12	13	19.27	19.42	19.38								
5	256QAM	26	0	19.31	19.40	19.40	21	3						
5	256QAM	26	0	19.31	19.40	19.40								
Channel														
1807.5 1807.5 1807.5														
3	QPSK	1	0	22.47	22.65	22.69			24	0				
3	QPSK	1	8	22.45	22.55	22.44								
3	QPSK	1	16	22.38	22.48	22.41								
3	QPSK	8	0	22.32	22.43	22.39								
3	QPSK	8	4	22.29	22.39	22.38	24	0						
3	QPSK	16	0	22.39	22.49	22.45								
3	16QAM	1	0	22.29	22.47	22.39								
3	16QAM	1	8	22.25	22.39	22.35								
3	16QAM	1	16	22.32	22.40	22.33	24	0						
3	16QAM	8	0	22.32	22.45	22.22								
3	16QAM	8	8	22.28	22.36	22.32								
3	16QAM	8	16	22.27	22.31	22.27								
3	16QAM	16	0	22.32	22.39	22.35	24	0						
3	16QAM	16	8	22.29	22.35	22.32								
3	16QAM	16	16	22.28	22.40	22.40								
3	16QAM	1	0	22.22	22.25	22.14								
3	16QAM	1	8	22.22	22.27	22.17	23	1						
3	16QAM	1	16	21.28	21.29	21.30								
3	16QAM	8	0	21.32	21.22	21.21								
3	16QAM	8	8	21.52	21.50	21.43								
3	16QAM	1	0	19.47	19.54	19.49	21	3						
3	16QAM	1	8	19.37	19.63	19.43								
3	16QAM	1	16	19.39	19.39	19.27								
3	16QAM	8	0	19.37	19.33	19.35								
3	16QAM	8	8	19.41	19.48	19.38	21	3						
3	16QAM	8	16	19.38	19.32	19.36								
3	16QAM	16	0	19.38	19.32	19.36								
3	16QAM	16	8	19.38	19.32	19.36								
3	256QAM	15	0	19.32	19.42	19.43	21	3						
3	256QAM	15	0	19.32	19.42	19.43								
Channel														
1807.7 1806 1814.3														
1.4	QPSK	1	0	22.47	22.62	22.69			24	0				
1.4	QPSK	1	8	22.45	22.55	22.44								
1.4	QPSK	1	16	22.38	22.48	22.41								
1.4	QPSK	8	0	22.32	22.44	22.40								
1.4	QPSK	8	4	22.29	22.39	22.38	24	0						
1.4	QPSK	16	0	22.39	22.49	22.45								
1.4	16QAM	1	0	22.29	22.47	22.39								
1.4	16QAM	1	8	22.25	22.39	22.35								
1.4	16QAM	1	16	22.32	22.40	22.33	24	0						
1.4	16QAM	8	0	22.32	22.45	22.22								
1.4	16QAM	8	8	22.28	22.36	22.32								
1.4	16QAM	8	16	22.27	22.31	22.27								
1.4	16QAM	16	0	22.32	22.39	22.35	24	0						
1.4	16QAM	16	8	22.29	22.35	22.32								
1.4	16QAM	16	16	22.28	22.40	22.40								
1.4	16QAM	1	0	22.22	22.25	22.14								
1.4	16QAM	1	8	22.22	22.27	22.17	23	1						
1.4	16QAM	1	16	21.28	21.29	21.30								
1.4	16QAM	8	0	21.32	21									

Band 38 Ant3													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)					
Channel				37860	38000	38160							
Frequency (MHz)				23.49	23.57	23.53							
20	QPSK	1	0	23.49	23.57	23.53	24	0					
20	QPSK	1	49	23.37	23.45	23.30							
20	QPSK	1	89	23.28	23.33	23.38							
20	QPSK	50	0	23.52	23.52	23.58							
20	QPSK	50	24	23.25	23.36	23.38	24	0					
20	QPSK	50	50	23.21	23.24	23.24							
20	QPSK	100	0	23.24	23.45	23.38							
20	16QAM	1	0	23.16	23.37	23.21							
20	16QAM	1	49	23.14	23.24	23.21	24	0					
20	16QAM	1	99	23.09	23.24	23.13							
20	16QAM	50	0	22.77	22.86	22.86							
20	16QAM	50	24	22.82	22.87	22.87							
20	16QAM	50	50	22.73	22.74	22.71	23.5	0.5					
20	16QAM	100	0	22.66	22.78	22.62							
20	64QAM	1	0	22.77	22.87	22.81							
20	64QAM	1	99	22.66	22.76	22.61							
20	64QAM	50	0	21.80	22.01	21.90	22.5	1.5					
20	64QAM	50	24	21.82	21.80	21.80							
20	64QAM	50	50	21.72	21.86	21.78							
20	64QAM	100	0	21.87	22.01	21.91							
20	256QAM	1	0	19.81	20.02	19.87	20.5	3.5					
20	256QAM	1	49	19.81	20.02	19.85							
20	256QAM	1	99	19.80	19.77	19.75							
20	256QAM	36	0	19.89	19.85	19.86							
20	256QAM	50	24	19.89	19.85	19.87	20.5	3.5					
20	256QAM	50	50	19.82	19.85	19.77							
20	256QAM	100	0	19.81	20.13	19.89							
Channel				37860	38000	38160							
Frequency (MHz)				23.17	23.17	23.17							
15	QPSK	1	0	23.18	23.31	23.25	24	0					
15	QPSK	1	37	23.24	23.38	23.25							
15	QPSK	1	74	23.14	23.18	23.32							
15	QPSK	36	0	23.25	23.48	23.21							
15	QPSK	36	20	23.14	23.28	23.23	24	0					
15	QPSK	36	50	23.12	23.22	23.22							
15	QPSK	75	0	23.14	23.31	23.24							
15	16QAM	1	0	23.02	23.33	23.08							
15	16QAM	1	37	23.07	23.13	23.09	24	0					
15	16QAM	1	74	23.08	23.17	22.99							
15	16QAM	36	0	22.72	22.84	22.72							
15	16QAM	36	20	22.71	22.77	22.65							
15	16QAM	36	36	22.60	22.70	22.62	23.5	0.5					
15	16QAM	75	0	22.86	23.06	22.85							
15	64QAM	1	0	22.71	22.82	22.79							
15	64QAM	1	37	22.71	22.74	22.74							
15	64QAM	1	74	22.62	22.71	22.56	22.5	1.5					
15	64QAM	36	0	21.75	21.87	21.84							
15	64QAM	36	20	21.67	21.81	21.67							
15	64QAM	36	36	21.64	21.71	21.62							
15	64QAM	75	0	21.63	21.65	21.75	20.5	3.5					
15	256QAM	1	0	19.75	19.85	19.75							
15	256QAM	1	37	19.66	19.80	19.74							
15	256QAM	1	74	19.60	19.63	19.68							
15	256QAM	36	0	19.80	19.69	19.76	20.5	3.5					
15	256QAM	36	20	19.82	19.73	19.75							
15	256QAM	36	36	19.77	19.77	19.66							
15	256QAM	75	0	19.69	19.93	19.85							
Channel				37860	38000	38200							
Frequency (MHz)				23.75	23.65	23.13							
10	QPSK	1	0	23.75	23.48	23.41	24	0					
10	QPSK	1	25	23.28	23.33	23.30							
10	QPSK	1	49	23.13	23.21	23.27							
10	QPSK	25	0	23.32	23.49	23.35							
10	QPSK	25	12	23.17	23.25	23.25	24	0					
10	QPSK	25	25	23.16	23.24	23.13							
10	QPSK	50	0	23.10	23.33	23.30							
10	16QAM	1	0	23.06	23.33	23.16							
10	16QAM	1	25	23.07	23.16	23.14	24	0					
10	16QAM	1	49	23.00	23.18	23.02							
10	16QAM	25	0	22.84	22.88	22.79							
10	16QAM	25	12	22.68	22.77	22.71							
10	16QAM	50	0	22.60	22.84	22.65	23.5	0.5					
10	16QAM	50	0	22.91	23.07	22.77							
10	64QAM	1	0	22.80	22.93	22.80							
10	64QAM	1	25	22.62	22.73	22.72							
10	64QAM	1	49	22.59	22.67	22.53	23.5	0.5					
10	64QAM	25	0	21.70	21.91	21.85							
10	64QAM	25	12	21.78	21.81	21.67							
10	64QAM	25	25	21.64	21.75	21.64							
10	64QAM	50	0	21.88	21.91	21.88	22.5	1.5					
10	256QAM	1	0	19.73	19.91	19.75							
10	256QAM	1	25	19.74	19.86	19.72							
10	256QAM	1	49	19.67	19.64	19.75							
10	256QAM	25	0	19.76	19.85	19.73	20.5	3.5					
10	256QAM	25	12	19.85	19.76	19.82							
10	256QAM	25	25	19.78	19.81	19.85							
10	256QAM	50	0	19.94	20.05	19.85							
Channel				37750	38000	38220							
Frequency (MHz)				23.13	23.13	23.13							
5	QPSK	1	0	23.06	23.48	23.47	24	0					
5	QPSK	1	12	23.23	23.35	23.31							
5	QPSK	1	24	23.22	23.24	23.29							
5	QPSK	12	0	23.23	23.42	23.34							
5	QPSK	12	7	23.11	23.25	23.32	24	0					
5	QPSK	12	13	23.09	23.21	23.10							
5	QPSK	25	0	23.09	23.40	23.26							
5	16QAM	1	0	23.02	23.29	23.17							
5	16QAM	1	12	23.06	23.11	23.10	24	0					
5	16QAM	1	24	23.00	23.15	23.00							
5	16QAM	12	0	22.68	22.84	22.74							
5	16QAM	12	7	22.69	22.77	22.61							
5	16QAM	12	13	22.70	22.88	22.68	23.5	0.5					
5	16QAM	25	0	22.85	23.03	22.78							
5	64QAM	1	0	22.67	22.67	22.74							
5	64QAM	1	12	22.69	22.80	22.76							
5	64QAM	1	24	22.59	22.70	22.63	22.5	1.5					
5	64QAM	12	0	21.71	21.87	21.78							
5	64QAM	12	7	21.71	21.80	21.66							
5	64QAM	12	13	21.59	21.78	21.73							
5	64QAM	25	0	21.85	21.96	21.78	20.5	3.5					
5	256QAM	1	0	19.67	19.99	19.81							

Band 41 PC2 FCC Ant3																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid-High Ch / Freq	Power High-Mid Ch / Freq	Power High-Mid Ch / Freq	Tune-up Int (dBm)	MPR (dB)						
Channel																
Frequency (MHz)																
20	QPSK	1	0	25.79	25.82	25.93	25.93	25.73	26.5	0						
20	QPSK	1	49	25.72	25.84	25.85	25.75	25.87								
20	QPSK	1	99	25.65	25.66	25.90	25.80	25.84								
20	QPSK	50	0	25.50	25.54	25.71	25.50	25.47								
20	QPSK	50	24	25.41	25.45	25.54	25.52	25.38	26.5	0						
20	QPSK	50	50	25.38	25.40	25.55	25.42	25.32								
20	QPSK	100	0	25.37	25.49	25.54	25.50	25.35								
20	16QAM	1	0	25.69	25.75	25.94	25.83	25.72								
20	16QAM	1	49	25.67	25.72	25.85	25.70	25.80	26.5	0						
20	16QAM	1	99	25.58	25.59	25.74	25.70	25.56								
20	16QAM	50	0	25.49	25.55	25.72	25.58	25.54								
20	16QAM	50	24	25.42	25.50	25.61	25.47	25.41								
20	16QAM	50	50	25.41	25.47	25.55	25.46	25.39	26.5	0						
20	16QAM	100	0	25.42	25.52	25.74	25.55	25.41								
20	64QAM	1	0	25.57	25.55	25.94	25.85	25.55								
20	64QAM	1	49	25.61	25.65	25.75	25.65	25.59	26.5	0						
20	64QAM	1	99	25.45	25.53	25.74	25.55	25.50								
20	64QAM	50	0	24.51	24.64	24.75	24.64	24.55								
20	64QAM	50	24	24.50	24.55	24.65	24.59	24.45								
20	64QAM	50	50	24.52	24.44	24.50	24.44	24.37	25.5	1						
20	64QAM	100	0	24.52	24.65	24.67	24.56	24.45								
20	256QAM	1	0	21.73	21.82	21.93	21.79	21.73								
20	256QAM	1	49	21.72	21.74	21.80	21.78	21.71	22.5	4						
20	256QAM	1	99	21.55	21.67	21.71	21.71	21.67								
20	256QAM	50	0	21.61	21.64	21.61	21.62	21.59								
20	256QAM	100	0	21.62	21.61	21.69	21.69	21.65								
Channel																
Frequency (MHz)																
16	QPSK	1	0	25.74	25.73	25.93	25.73	25.59	27	0						
16	QPSK	1	37	25.82	25.58	25.72	25.70	25.84								
16	QPSK	1	74	25.84	25.65	25.84	25.70	25.84								
16	QPSK	36	0	25.35	25.42	25.61	25.47	25.43								
16	QPSK	36	20	25.32	25.34	25.43	25.38	25.29	26.5	0						
16	QPSK	75	0	25.35	25.45	25.55	25.52	25.35								
16	QPSK	75	0	25.29	25.43	25.61	25.42	25.20								
16	16QAM	1	0	25.59	25.62	25.81	25.77	25.68								
16	16QAM	1	37	25.51	25.65	25.75	25.68	25.54	26.5	0						
16	16QAM	1	74	25.53	25.59	25.64	25.63	25.44								
16	16QAM	36	0	25.45	25.51	25.59	25.47	25.45								
16	16QAM	36	20	25.25	25.42	25.55	25.43	25.25								
16	16QAM	36	36	25.31	25.40	25.44	25.34	25.27	26.5	0						
16	16QAM	75	0	25.37	25.43	25.56	25.43	25.39								
16	64QAM	1	0	25.54	25.58	25.79	25.57	25.47								
16	64QAM	1	37	25.57	25.61	25.69	25.60	25.53								
16	64QAM	1	74	25.51	25.46	25.46	25.33	25.37	25.5	1						
16	64QAM	36	0	24.42	24.53	24.62	24.52	24.43								
16	64QAM	36	20	24.38	24.47	24.61	24.42	24.41								
16	64QAM	75	0	24.53	24.52	24.57	24.51	24.41								
16	256QAM	1	0	21.63	21.70	21.81	21.66	21.62	22.5	4						
16	256QAM	1	37	21.65	21.62	21.75	21.75	21.64								
16	256QAM	1	74	21.50	21.59	21.68	21.68	21.58								
16	256QAM	36	0	21.47	21.60	21.67	21.61	21.43								
16	256QAM	36	20	21.44	21.55	21.61	21.58	21.55	22.5	4						
16	256QAM	36	36	21.33	21.40	21.57	21.43	21.33								
16	256QAM	75	0	21.58	21.58	21.72	21.51	21.46								
Channel																
Frequency (MHz)																
10	QPSK	1	0	25.64	25.60	25.86	25.66	25.46			27	0				
10	QPSK	1	25	25.64	25.53	25.82	25.62	25.54								
10	QPSK	1	49	25.65	25.62	25.84	25.72	25.54								
10	QPSK	25	0	25.41	25.43	25.56	25.46	25.34								
10	QPSK	25	12	25.31	25.36	25.43	25.44	25.34	26.5	0						
10	QPSK	25	25	25.29	25.37	25.43	25.38	25.29								
10	QPSK	50	0	25.30	25.35	25.57	25.44	25.29								
10	16QAM	1	0	25.59	25.60	25.90	25.72	25.61								
10	16QAM	1	49	25.59	25.67	25.80	25.67	25.52	26.5	0						
10	16QAM	1	25	25.48	25.57	25.69	25.61	25.51								
10	16QAM	25	0	25.44	25.40	25.61	25.48	25.44								
10	16QAM	25	12	25.37	25.46	25.52	25.40	25.29								
10	16QAM	25	25	25.28	25.39	25.47	25.37	25.25	26.5	0						
10	16QAM	50	0	25.41	25.44	25.62	25.47	25.46								
10	64QAM	1	0	25.43	25.55	25.74	25.58	25.49								
10	64QAM	1	25	25.57	25.58	25.85	25.55	25.55								
10	64QAM	1	49	25.34	25.53	25.53	25.50	25.37	25.5	1						
10	64QAM	25	0	24.38	24.37	24.60	24.50	24.40								
10	64QAM	25	12	24.44	24.52	24.62	24.53	24.32								
10	64QAM	25	25	24.22	24.30	24.46	24.40	24.32								
10	64QAM	50	0	24.45	24.55	24.54	24.52	24.35	22.5	4						
10	256QAM	1	0	21.63	21.79	21.84	21.66	21.64								
10	256QAM	1	25	21.65	21.63	21.86	21.64	21.64								
10	256QAM	1	49	21.49	21.55	21.62	21.65	21.55								
10	256QAM	25	0	21.57	21.51	21.67	21.61	21.53	22.5	4						
10	256QAM	25	12	21.43	21.53	21.49	21.57	21.52								
10	256QAM	25	25	21.35	21.47	21.55	21.45	21.31								
10	256QAM	50	0	21.44	21.55	21.77	21.50	21.47								
Channel																
Frequency (MHz)																
5	QPSK	1	0	25.70	25.67	25.90	25.74	25.60	27	0						
5	QPSK	1	12	25.69	25.59	25.81	25.72	25.58								
5	QPSK	1	24	25.65	25.59	25.85	25.77	25.65								
5	QPSK	12	0	25.44	25.42	25.60	25.49	25.40								
5	QPSK	12	7	25.34	25.35	25.49	25.43	25.33	26.5	0						
5	QPSK	25	0	25.25	25.34	25.40	25.35	25.25								
5	QPSK	25	0	25.20	25.44	25.49	25.39	25.27								
5	QPSK	25	7	25.39	25.66	25.69	25.61	25.51								
5	16QAM	1	0	25.59	25.60	25.90	25.72	25.61	26.5	0						
5	16QAM	1	12	25.59	25.67	25.80	25.67	25.52								
5	16QAM	1	24	25.43	25.61	25.69	25.59	25.46								
5	16QAM	12	7	25.36	25.47	25.53	25.40	25.29								
5	16QAM	12	7	25.35	25.38	25.49	25.33	25.27	26.5	0						
5	16QAM	12	13	25.32	25.35	25.46	25.37	25.33								
5	16QAM	25	0	25.53	25.62	25.73	25.62	25.45								
5	64QAM	1	0	25.53	25.53	25.84	25.72	25.53								
5	64QAM	1	12	25.57	25.53	25.84	25.72	25.53	26.5	0						
5	64QAM	1	24	25.50	25.54	25.84	25.70	25.53								
5	64QAM	12	13	24.27	24.30	24.43	24.32	24.23								
5	64QAM	25	0	24.43	24.53	24.55	24.50	24.41								
5	256QAM	1	0	21.58	21.76	21.81	21.57	21.53	22.5	4						
5	256QAM	1	12	21.61	21.65	21.82	21.64	21.61								
5	256QAM	1	24	21.48	21.57	21.62	21.62	21.62								
5	256QAM	12	13	21.47	21.51	21.64	21.54	21.43								
5	256QAM	12	7	21.49	21.49	21.62	21.62	21.56	22.5	4						
5	256QAM	12	13	21.34	21.44	21.50	21.38	21.30								
5	256QAM	25	0	21.55	21.55	21.77	21.50	21.46								
Channel																





Band 2 Default Ant 0									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Min Ch / Freq	Power Max Ch / Freq	Power Min Ch / Freq	Turn-up Time (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.11	23.16	23.07			
20	QPSK	1	49	23.03	23.08	22.98	24	0	
20	QPSK	1	99	22.99	23.07	22.97			
20	QPSK	50	0	22.98	23.13	23.05			
20	QPSK	50	24	23.04	23.08	23.09			
20	QPSK	50	50	22.92	23.04	22.96	24	0	
20	QPSK	100	0	22.99	23.05	22.91			
20	QPSK	100	24	22.95	23.02	22.98			
20	16QAM	1	49	22.85	22.92	22.80	24	0	
20	16QAM	1	99	22.70	22.85	22.80			
20	16QAM	50	0	22.80	22.95	22.84			
20	16QAM	50	24	22.34	22.49	22.34	23.5	0.5	
20	16QAM	50	50	22.36	22.42	22.27			
20	16QAM	100	0	22.39	22.52	22.47			
20	16QAM	1	0	22.72	22.80	22.72	23.5	0.5	
20	16QAM	1	49	22.68	22.76	22.67			
20	16QAM	1	99	22.50	22.55	22.48	23.5	0.5	
20	16QAM	50	0	21.64	21.71	21.59			
20	16QAM	50	24	21.46	21.56	21.50	22.5	1.5	
20	16QAM	50	50	21.42	21.48	21.35			
20	16QAM	100	0	21.43	21.52	21.38			
20	16QAM	1	49	19.82	19.89	19.80	20.5	3.5	
20	256QAM	1	99	19.58	19.62	19.57			
20	256QAM	50	0	19.58	19.74	19.68			
20	256QAM	50	24	19.60	19.73	19.63	20.5	3.5	
20	256QAM	50	50	19.70	19.81	19.78			
20	256QAM	100	0	19.67	19.80	19.77			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.03	23.10	22.99			
15	QPSK	1	24	22.79	22.86	22.82	24	0	
15	QPSK	1	74	22.91	22.96	22.83			
15	QPSK	36	0	22.87	22.99	22.90			
15	QPSK	36	24	22.81	22.88	22.87	24	0	
15	QPSK	36	39	22.87	22.96	22.82			
15	QPSK	75	0	22.91	23.00	22.92			
15	16QAM	1	0	22.90	23.00	22.79	24	0	
15	16QAM	1	37	22.77	22.88	22.83			
15	16QAM	1	74	22.80	22.85	22.76			
15	16QAM	36	0	22.80	22.95	22.45			
15	16QAM	36	20	22.21	22.37	22.28	23.5	0.5	
15	16QAM	36	49	22.23	22.34	22.23			
15	16QAM	75	0	22.31	22.48	22.42			
15	16QAM	1	0	22.67	22.68	22.59	23.5	0.5	
15	16QAM	1	37	22.67	22.71	22.61			
15	16QAM	1	74	22.42	22.42	22.34			
15	16QAM	36	0	21.56	21.67	21.48	22.5	1.5	
15	16QAM	36	20	21.36	21.45	21.36			
15	16QAM	36	39	21.26	21.32	21.23			
15	16QAM	75	0	21.38	21.37	21.28			
15	256QAM	1	37	19.08	19.52	19.17	20.5	3.5	
15	256QAM	1	74	19.42	19.51	19.42			
15	256QAM	36	0	19.45	19.52	19.45			
15	256QAM	36	20	19.48	19.52	19.50	20.5	3.5	
15	256QAM	36	39	19.66	19.73	19.67			
15	256QAM	75	0	19.63	19.71	19.68			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.87	22.88	22.81	24	0	
15	QPSK	1	49	22.82	22.94	22.82			
15	QPSK	1	99	22.83	22.91	22.81			
15	QPSK	25	13	22.81	23.00	22.94	24	0	
15	QPSK	25	25	22.83	22.89	22.89			
15	QPSK	75	0	22.86	22.92	22.81			
15	16QAM	1	0	22.88	22.90	22.88			
15	16QAM	1	25	22.79	22.91	22.85	24	0	
15	16QAM	1	49	22.87	22.90	22.76			
15	16QAM	25	0	22.48	22.51	22.42			
15	16QAM	25	12	22.20	22.34	22.20	23.5	0.5	
15	16QAM	25	13	22.20	22.28	22.16			
15	16QAM	50	0	22.28	22.41	22.30			
15	16QAM	1	0	22.60	22.76	22.60	23.5	0.5	
15	16QAM	1	25	22.65	22.68	22.60			
15	16QAM	1	49	22.43	22.45	22.32			
15	16QAM	25	0	21.58	21.65	21.45			
15	16QAM	25	12	21.33	21.45	21.44	22.5	1.5	
15	16QAM	25	13	21.29	21.38	21.28			
15	16QAM	50	0	21.31	21.39	21.27			
15	16QAM	1	0	19.75	19.78	19.77			
15	256QAM	1	25	19.07	19.52	19.86	20.5	3.5	
15	256QAM	1	49	19.52	19.55	19.53			
15	256QAM	25	12	19.46	19.61	19.61	20.5	3.5	
15	256QAM	25	13	19.63	19.71	19.66			
15	256QAM	50	0	19.62	19.68	19.61			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.01	23.02	22.96			
3	QPSK	1	8	22.89	22.91	22.86	24	0	
3	QPSK	1	14	22.89	22.95	22.83			
3	QPSK	8	22.89	22.95	22.86				
3	QPSK	8	4	22.83	23.04	22.82	24	0	
3	QPSK	8	7	22.86	22.90	22.83			
3	QPSK	15	22.87	22.94	22.89				
3	16QAM	1	0	22.85	22.98	22.83			
3	16QAM	1	8	22.71	22.87	22.78	24	0	
3	16QAM	1	14	22.69	22.76	22.65			
3	16QAM	8	0	22.41	22.57	22.40			
3	16QAM	8	4	22.23	22.41	22.24	23.5	0.5	
3	16QAM	15	0	22.31	22.37	22.14			
3	16QAM	15	0	22.31	22.45	22.41			
3	16QAM	1	0	22.59	22.72	22.60	23.5	0.5	
3	16QAM	1	22.55	22.62	22.34				
3	16QAM	1	14	22.42	22.43	22.38			
3	16QAM	8	0	21.58	21.67	21.52			
3	16QAM	8	4	21.35	21.45	21.35	22.5	1.5	
3	16QAM	8	7	21.34	21.39	21.27			
3	16QAM	15	0	19.77	19.79	19.69			
3	256QAM	1	8	19.78	19.79	19.65	20.5	3.5	
3	256QAM	1	14	19.82	19.82	19.74			
3	256QAM	8	0	19.71	19.75	19.75			
3	256QAM	8	4	19.50	19.68	19.59	20.5	3.5	
3	256QAM	15	0	19.60	19.67	19.57			
3	256QAM	15	0	19.63	19.70	19.59			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.04	23.11	23.01			
1.4	QPSK	1	3	22.83	22.95	22.74	24	0	
1.4	QPSK	1	5	22.86	22.98	22.85			
1.4	QPSK	3	22.85	23.04	23.01				
1.4	QPSK	3	1	22.85	23.04	22.84			
1.4	16QAM	1	0	22.76	22.94	22.86	24	0	
1.4	16QAM	1	3	22.84	23.05	22.80			
1.4	16QAM	1	0	22.86	22.90	22.87			
1.4	16QAM	1	5	22.86	22.93	22.86	24	0	
1.4	16QAM	1	0	22.83	22.98	22.79			
1.4	16QAM	3	0	22.78	22.98	22.80			
1.4	16QAM	3	1	22.61	22.77	22.75			
1.4	16QAM	5	0	22.51	22.52	22.43	23.5	0.5	
1.4	16QAM	1	0	22.21	22.32	22.21			
1.4	16QAM	1	5	22.25	22.45	22.39	23.5	0.5	
1.4	16QAM	3	0	22.58	22.73	22.70			
1.4	16QAM	3	1	22.60	22.67	22.52			
1.4	16QAM	3	3	22.35	22.40	22.40	22.5	1.5	
1.4	16QAM	15	0	21.61	21.63	21.43			
1.4	16QAM	1	0	19.76	19.83	19.78	20.5	3.5	
1.4	256QAM	1	3	19.77	19.82	19.89			
1.4	256QAM	3	0	19.47	19.55	19.48			
1.4	256QAM	3	1	19.67	19.82	19.87	20.5	3.5	
1.4	256QAM	3	1	19.47	19.66	19.54			
1.4	256QAM	15	0	19.62	19.75	19.72			
1.4	256QAM	15	0	19.57	19.73	19.54	20.5	3.5	

Band 4 Default Ant 0									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Min Ch / Freq	Power Max Ch / Freq	Power Min Ch / Freq	Turn-up Time (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.07	23.11	23.15			
20	QPSK	1	49	22.94	23.09	23.05	24	0	
20	QPSK	1	99	22.89	23.05	23.00			
20	QPSK	50	0	22.97	23.16	23.05			
20	QPSK	50	24	23.02	23.09	23.09	24	0	
20	QPSK	50	50	22.95	23.02	22.98			
20	QPSK	100	0	23.03	23.12	23.04			
20	QPSK	100	50	22.93	23.07	22.97			
20	QPSK	100	99	22.88	23.01	22.91	24	0	
20	HQPSK	1	0	23.75	22.87	23.81			
20	HQPSK	1	49	22.72	22.90	22.76			
20	HQPSK	1	99	22.66	22.84	22.69			
20	HQPSK	50	0	22.74	22.96	22.78			
20	HQPSK	50	24	21.79	21.80	21.78	20.5	1.5	
20	HQPSK	50	50	21.75	21.79	21.77			
20	HQPSK	100	0	21.73	21.89	21.71			
20	HQPSK	100	50	21.69	21.81	21.67	20.5	1.5	
20	HQPSK	100	99	21.65	21.79	21.63			
20	HQPSK	1	0	22.80	22.90	22.85			
20	HQPSK	1	49	22.78	22.78	22.83	23.5	0.5	
20	HQPSK	1	99	22.66	22.66	22.71			
20	HQPSK	50	0	21.85	21.71	21.78			
20	HQPSK	50	24	21.79	21.80	21.78	20.5	1.5	
20	HQPSK	50	50	21.75	21.79	21.77			
20	HQPSK	100	0	21.73	21.89	21.71			
20	HQPSK	100	50	21.69	21.81	21.67	20.5	1.5	
20	HQPSK	100	99	21.65	21.79	21.63			
20	HQPSK	1	0	19.70	19.64	19.67	Turn-up time (sec)	MPR (dB)	
20	HQPSK	1	49	19.65	19.70	19.69			
20	HQPSK	1	99	19.77	19.78	19.78			
20	HQPSK	50	0	19.77	19.88	19.82			
20	HQPSK	50	24	19.78	19.82	19.73			
20	HQPSK	50	50	19.72	19.74	19.74			
20	HQPSK	100	0	19.70	19.64	19.67	Turn-up time (sec)	MPR (dB)	
20	HQPSK	100	50	19.65	19.70	19.69			
20	HQPSK	100	99	19.77	19.78	19.78			
20	HQPSK	1	0	23.07	23.11	23.15			
20	HQPSK	1	49	22.92	23.14	23.07			
20	HQPSK	1	99	22.86	23.08	23.01			
20	HQPSK	50	0	22.87	23.05	23.01			
20	HQPSK	50	24	22.88	23.07	22.93			
20	HQPSK	50	50	22.85	23.00	22.82	24	0	
20	HQPSK	100	0	22.96	23.04	22.95			
20	HQPSK	100	50	22.87	23.01	22.87			
20	HQPSK	100	99	22.80	22.97	22.82	24	0	
15	HQPSK	1	0	23.20	23.17	23.22			
15	HQPSK	1	24	23.27	23.22	23.23	24	0	
15	HQPSK	1	49	23.27	23.22	23.23			
15	HQPSK	50	0	22.99	23.20	23.05			
15	HQPSK	50	24	22.99	23.20	23.05	24	0	
15	HQPSK	50	50	22.99	23.20	23.05			
15	HQPSK	100	0	22.99	23.20	23.05			
15	HQPSK	100	50	22.99	23.20	23.05	23.5	0.5	
15	HQPSK	100	99	22.99	23.20	23.05			
15	HQPSK	1	0	22.69	22.84	22.76			
15	HQPSK	1	24	22.72	22.70	22.77	23.5	0.5	
15	HQPSK	1	49	22.71	22.70	22.77			
15	HQPSK	50	0	21.71	21.91	21.66			
15	HQPSK	50	24	21.71	21.72	21.70	22.5	1.5	
15	HQPSK	50	50	21.64	21.65	21.62			
15	HQPSK	100	0	21.69	21.84	21.67			
15	HQPSK	100	50	21.65	21.81	21.63	20.5	3.5	
15	HQPSK	100	99	21.68	21.91	21.70			
15	HQPSK	1	0	19.65	19.73	19.63			
15	HQPSK	1	24	19.65	19.68	19.67	20.5	3.5	
15	HQPSK	1	49	19.65	19.67	19.65			
15	HQPSK	50	0	19.68	19.75	19.69			
15	HQPSK	50	24	19.68	19.75	19.69	20.5	3.5	
15	HQPSK	50	50	19.68	19.75	19.69			
15	HQPSK	100	0	19.61	19.64	19.61			
15	HQPSK	100	50	19.62	19.70	19.64	Turn-up time (sec)	MPR (dB)	
15	HQPSK	100	99	19.65	19.70	19.65			
15	HQPSK	1	0	23.07	23.11	23.15			
15	HQPSK	1	49	22.92	23.14	23.07			
15	HQPSK	1	99	22.86	23.08	23.01			
15	HQPSK	50	0	22.87	23.05	23.01			
15	HQPSK	50	24	22.88	23.07	22.93			
15	HQPSK	50	50	22.85	23.00	22.82	24	0	
15	HQPSK	100	0	22.96	23.04	22.95			
15	HQPSK	100	50	22.87	23.01	22.87			
15	HQPSK	100	99	22.80	22.97	22.82	24	0	
10	HQPSK	1	0	23.20	23.17	23.22			
10	HQPSK	1	24	23.27	23.22	23.23	24	0	
10	HQPSK	1	49	23.27	23.22	23.23			
10	HQPSK	50	0	22.99	23.20	23.05			
10	HQPSK	50	24	22.99	23.20	23.05	24	0	
10	HQPSK	50	50	22.99	23.20	23.05			
10	HQPSK	100	0	22.99	23.20	23.05			
10	HQPSK	100	50	22.99	23.20	23.05	23.5	0.5	
10	HQPSK	100	99	22.99	23.20	23.05			
10	HQPSK	1	0	22.69	22.84	22.76			
10	HQPSK	1	24	22.72	22.70	22.77	23.5	0.5	
10	HQPSK	1	49	22.71	22.70	22.77			
10	HQPSK	50	0	21.71	21.91	21.66			
10	HQPSK	50	24	21.71	21.72	21.70	22.5	1.5	
10	HQPSK	50	50	21.64	21.65	21.62			
10	HQPSK	100	0	21.69	21.84	21.67			
10	HQPSK	100	50	21.65	21.81	21.63	20.5	3.5	
10	HQPSK	100	99	21.68	21.91	21.70			
10	HQPSK	1	0	19.65	19.73	19.63			
10	HQPSK	1	24	19.65	19.68	19.67	20.5	3.5	
10	HQPSK	1	49	19.65	19.67	19.65			
10	HQPSK	50	0	19.68	19.75	19.69			
10	HQPSK	50	24	19.68	19.75	19.69	20.5	3.5	
10	HQPSK	50	50	19.68	19.75	19.69			
10	HQPSK	100	0	19.61	19.64	19.61			
10	HQPSK	100	50	19.62	19.70	19.64	Turn-up time (sec)	MPR (dB)	
10	HQPSK	100	99	19.65	19.70	19.65			
10	HQPSK	1	0	23.07	23.11	23.15			
10	HQPSK	1	49	22.92	23.14	23.07			
10	HQPSK	1	99	22.86	23.08	23.01			
10	HQPSK	50	0	22.87	23.05	23.01			
10	HQPSK	50	24	22.88	23.07	22.93			
10	HQPSK	50	50	22.85	23.00	22.82	24	0	
10	HQPSK	100	0	22.96	23.04	22.95			
10	HQPSK	100	50	22.87	23.01	22.87			
10	HQPSK	100	99	22.80	22.97	22.82	24	0	
5	HQPSK	1	0	23.20	23.17	23.22			
5	HQPSK	1	24	23.27	23.22	23.23	24	0	
5	HQPSK	1	49	23.27	23.22	23.23			
5	HQPSK	50	0	22.99	23.20	23.05			
5	HQPSK	50	24	22.99	23.20	23.05	24	0	
5	HQPSK	50	50	22.99	23.20	23.05			
5	HQPSK	100	0	22.99	23.20	23.05			
5	HQPSK	100	50	22.99	23.20	23.05	23.5	0.5	
5	HQPSK	100	99	22.99	23.20	23.05			
5	HQPSK	1	0	22.69	22.84	22.76			
5	HQPSK	1	24	22.72	22.70	22.77	23.5	0.5	
5	HQPSK	1	49	22.71	22.70	22.77			
5	HQPSK	50	0	21.71	21.91	21.66			
5	HQPSK	50	24	21.71	21.72	21.70	22.5	1.5	
5	HQPSK	50	50	21.64	21.65	21.62			
5	HQPSK	100	0	21.69	21.84	21.67			
5	HQPSK	100	50	21.65	21.81	21.63	20.5	3.5	
5	HQPSK	100	99	21.68	21.91	21.70			
5	HQPSK	1	0	19.65	19.73	19.63			
5	HQPSK	1	24	19.65	19.68	19.67	20.5	3.5	
5	HQPSK	1	49	19.65	19.67	19.65			
5	HQPSK	50	0	19.68	19.75	19.69			
5	HQPSK	50	24	19.68	19.75	19.69	20.5	3.5	
5	HQPSK	50	50	19.68	19.75	19.69			
5	HQPSK	100	0	19.61	19.64	19.61			
5	HQPSK	100	50	19.62	19.70	19.64	Turn-up time (sec)	MPR (dB)	
5	HQPSK	100	99	19.65	19.70	19.65			
5	HQPSK	1	0	23.07	23.11	23.15			
5	HQPSK	1	49	22.92	23.14	23.07			
5	HQPSK	1	99	22.86	23.08	23.01			
5	HQPSK	50	0	22.87	23.05	23.01			
5	HQPSK	50	24	22.88	23.07	22.93			
5	HQPSK	50	50	22.85	23.00	22.82	24	0	
5	HQPSK	100	0	22.96	23.04	22.95			
5	HQPSK	100	50	22.87	23.01	22.87			
5	HQPSK	100	99	22.80	22.97	22.82	24	0	
3	HQPSK	1	0	23.20	23.17	23.22			
3	HQPSK	1	49	23.27	23.22	23.23	24	0	
3	HQPSK	1	99	23.27	23.22	23.23			
3	HQPSK	50	0	22.99	23.20	23.05			
3	HQPSK	50	24	22.99	23.20	23.05	24	0	
3	HQPSK	50	50	22.99	23.20	23.05			
3	HQPSK	100	0	22.99					



Band 12 Default Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int. (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.84	22.82	22.79	24	0						
10	QPSK	1	25	22.76	22.81	22.84								
10	QPSK	1	49	22.60	22.68	22.82								
10	QPSK	25	0	22.63	22.62	22.72								
10	QPSK	25	12	22.59	22.66	22.81	24	0						
10	QPSK	25	25	22.56	22.60	22.83								
10	QPSK	50	0	22.65	22.71	22.82								
10	16QAM	1	0	22.54	22.72	22.80								
10	16QAM	1	25	22.54	22.59	22.58	24	0						
10	16QAM	1	49	22.44	22.55	22.46								
10	16QAM	25	0	22.30	22.51	22.41								
10	16QAM	25	12	22.32	22.43	22.28								
10	16QAM	25	25	22.30	22.45	22.26	23.5	0.5						
10	16QAM	50	0	22.37	22.47	22.28								
10	16QAM	1	0	22.26	22.41	22.29								
10	16QAM	1	25	22.14	22.25	22.19								
10	16QAM	1	49	22.10	22.20	22.16	22.5	0.5						
10	16QAM	25	0	21.54	21.67	21.50								
10	16QAM	25	12	21.44	21.56	21.51								
10	16QAM	25	25	21.39	21.44	21.44								
10	16QAM	50	0	21.43	21.54	21.41	22.5	1.5						
10	256QAM	1	0	19.38	19.55	19.40								
10	256QAM	1	25	19.33	19.40	19.38								
10	256QAM	1	49	19.30	19.33	19.28								
10	256QAM	25	0	19.35	19.51	19.41	20.5	3.5						
10	256QAM	25	12	19.29	19.34	19.30								
10	256QAM	25	25	19.20	19.33	19.22								
10	256QAM	50	0	19.20	19.45	19.35								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.77	22.86	22.74	24	0						
5	QPSK	1	12	22.63	22.82	22.86								
5	QPSK	1	24	22.47	22.54	22.47								
5	QPSK	12	0	22.50	22.75	22.58								
5	QPSK	12	13	22.45	22.55	22.51	24	0						
5	QPSK	12	13	22.53	22.45	22.51								
5	QPSK	25	0	22.56	22.62	22.59								
5	16QAM	1	0	22.42	22.62	22.48								
5	16QAM	1	12	22.52	22.48	22.47	24	0						
5	16QAM	1	24	22.33	22.52	22.36								
5	16QAM	12	0	22.30	22.47	22.28								
5	16QAM	12	7	22.28	22.33	22.19								
5	16QAM	12	13	22.19	22.24	22.19	23.5	0.5						
5	16QAM	25	0	22.31	22.34	22.19								
5	16QAM	1	0	22.15	22.30	22.22								
5	16QAM	1	24	21.96	22.07	22.07								
5	16QAM	12	0	21.48	21.63	21.41	22.5	1.5						
5	16QAM	12	7	21.54	21.64	21.47								
5	16QAM	12	13	21.20	21.32	21.33								
5	16QAM	25	0	21.33	21.48	21.34								
5	256QAM	1	0	19.35	19.45	19.31	20.5	3.5						
5	256QAM	1	12	19.21	19.31	19.29								
5	256QAM	1	24	19.23	19.30	19.18								
5	256QAM	12	0	19.16	19.27	19.16								
5	256QAM	12	7	19.22	19.27	19.27	20.5	3.5						
5	256QAM	12	13	19.07	19.21	19.11								
5	256QAM	25	0	19.13	19.31	19.12								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.75	22.81	22.72	24	0						
3	QPSK	1	8	22.70	22.78	22.69								
3	QPSK	1	16	22.53	22.64	22.57								
3	QPSK	8	0	22.49	22.79	22.57								
3	QPSK	8	4	22.51	22.61	22.48	24	0						
3	QPSK	8	4	22.49	22.49	22.57								
3	QPSK	16	0	22.54	22.72	22.48								
3	16QAM	1	0	22.39	22.59	22.47								
3	16QAM	1	8	22.48	22.48	22.48	24	0						
3	16QAM	8	7	22.18	22.48	22.36								
3	16QAM	8	0	22.26	22.44	22.28								
3	16QAM	8	4	22.23	22.37	22.18								
3	16QAM	15	0	22.32	22.35	22.30	23.5	0.5						
3	16QAM	15	0	22.23	22.30	22.19								
3	16QAM	1	0	22.23	22.28	22.17								
3	16QAM	1	8	22.02	22.10	22.06								
3	16QAM	1	14	22.02	22.10	22.04	22.5	0.5						
3	16QAM	8	0	21.45	21.61	21.40								
3	16QAM	8	4	21.40	21.45	21.37								
3	16QAM	8	7	21.38	21.38	21.33								
3	16QAM	15	0	21.37	21.50	21.31	22.5	1.5						
3	256QAM	1	0	19.28	19.41	19.36								
3	256QAM	1	8	19.26	19.31	19.24								
3	256QAM	1	14	19.23	19.30	19.21								
3	256QAM	8	0	19.15	19.45	19.25	20.5	3.5						
3	256QAM	8	4	19.18	19.20	19.18								
3	256QAM	8	7	19.06	19.22	19.07								
3	256QAM	15	0	19.18	19.40	19.14								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.75	22.83	22.75	24	0						
1.4	QPSK	1	3	22.65	22.67	22.51								
1.4	QPSK	1	5	22.48	22.57	22.53								
1.4	QPSK	3	0	22.50	22.67	22.47								
1.4	QPSK	3	1	22.54	22.50	22.56	24	0						
1.4	QPSK	3	1	22.44	22.54	22.57								
1.4	16QAM	6	0	22.53	22.71	22.16								
1.4	16QAM	1	0	22.50	22.62	22.56								
1.4	16QAM	1	3	22.49	22.46	22.50	24	0						
1.4	16QAM	1	6	22.40	22.45	22.43								
1.4	16QAM	3	0	22.47	22.60	22.36								
1.4	16QAM	3	1	22.49	22.45	22.47								
1.4	16QAM	3	3	22.37	22.45	22.40	23.5	0.5						
1.4	16QAM	6	0	22.17	22.30	22.14								
1.4	16QAM	1	0	22.33	22.41	22.29								
1.4	16QAM	1	3	22.22	22.49	22.17								
1.4	16QAM	3	5	22.13	22.33	22.16	23.5	0.5						
1.4	16QAM	3	5	22.05	22.21	22.09								
1.4	16QAM	3	7	21.99	22.18	22.05								
1.4	16QAM	3	3	22.22	22.28	22.16								
1.4	16QAM	6	0	21.45	21.60	21.41	22.5	1.5						
1.4	256QAM	1	0	19.29	19.47	19.30								
1.4	256QAM	1	3	19.21	19.31	19.24								
1.4	256QAM	1	5	19.22	19.27	19.22								
1.4	256QAM	3	0	19.18	19.37	19.34	20.5	3.5						
1.4	256QAM	3	1	19.16	19.21	19.24								
1.4	256QAM	3	3	19.15	19.21	19.09								
1.4	256QAM	6	0	19.17	19.35	19.18								

Band 25 Default Ant 0														
BW (MHz)	Modulation	PRB Size	PRB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.16	23.21	23.18	24	0						
20	QPSK	1	48	23.03	23.03	23.05								
20	QPSK	1	96	22.97	23.01	23.03								
20	QPSK	50	0	23.00	23.15	23.05								
20	QPSK	50	24	22.95	23.03	23.05	24	0						
20	QPSK	50	50	22.88	22.99	22.86								
20	QPSK	100	0	22.91	23.01	22.92								
20	16QAM	1	0	22.96	22.99	22.97								
20	16QAM	1	48	22.84	22.95	22.95	24	0						
20	16QAM	1	96	22.81	22.87	22.80								
20	16QAM	50	24	22.79	22.92	22.75								
20	16QAM	50	50	22.75	22.85	22.75								
20	16QAM	50	50	22.61	22.72	22.70	23.5	0.5						
20	16QAM	100	0	22.62	22.66	22.61								
20	64QAM	1	0	22.86	23.05	22.91								
20	64QAM	1	48	22.79	22.95	22.87								
20	64QAM	1	96	22.70	22.85	22.80	22.5	1.5						
20	64QAM	50	24	21.82	21.95	21.79								
20	64QAM	50	24	21.78	21.79	21.74								
20	64QAM	50	50	21.73	21.85	21.72								
20	64QAM	100	0	21.69	21.68	21.64	20.5	3.5						
20	256QAM	1	0	19.80	19.94	19.86								
20	256QAM	1	48	19.77	19.85	19.78								
20	256QAM	50	0	19.76	19.87	19.82								
20	256QAM	50	24	19.77	19.90	19.74	20.5	3.5						
20	256QAM	50	50	19.70	19.74	19.71								
20	256QAM	100	0	19.62	19.73	19.68								
Turn-up time (sec)														
MFR (dB)														
Frequency (MHz)														
18	QPSK	1	0	23.05	23.13	23.04	24	0						
18	QPSK	1	32	22.99	22.99	23.00								
18	QPSK	1	74	22.84	22.90	22.87								
18	QPSK	36	0	22.94	23.01	22.85								
18	QPSK	36	25	22.82	22.86	22.88	24	0						
18	QPSK	36	39	22.84	22.95	22.75								
18	QPSK	75	0	22.77	22.98	22.76								
18	16QAM	1	0	22.82	22.86	22.84								
18	16QAM	1	32	22.71	22.87	22.85	24	0						
18	16QAM	1	74	22.68	22.76	22.70								
18	16QAM	36	0	22.70	22.81	22.75								
18	16QAM	36	25	22.68	22.69	22.62								
18	16QAM	36	39	22.62	22.68	22.67	23.5	0.5						
18	16QAM	75	0	22.49	22.53	22.50								
18	64QAM	1	0	22.74	22.90	22.77								
18	64QAM	1	32	22.70	22.65	22.65								
18	64QAM	36	0	21.74	21.85	21.85	22.5	1.5						
18	64QAM	36	25	21.62	21.68	21.64								
18	64QAM	36	39	21.68	21.77	21.57								
18	64QAM	75	0	21.65	21.54	21.60								
18	64QAM	75	0	21.65	21.54	21.60	20.5	3.5						
18	256QAM	1	0	19.76	19.85	19.80								
18	256QAM	1	32	19.75	19.79	19.79								
18	256QAM	1	74	19.67	19.70	19.73								
18	256QAM	36	0	19.68	19.68	19.67	20.5	3.5						
18	256QAM	36	25	19.69	19.87	19.80								
18	256QAM	36	39	19.67	19.70	19.61								
18	256QAM	75	0	19.65	19.68	19.65								
Turn-up time (sec)														
MFR (dB)														
Frequency (MHz)														
10	QPSK	1	0	23.03	23.08	23.05	24	0						
10	QPSK	1	12	22.95	22.92	23.03								
10	QPSK	1	24	22.86	22.90	22.95								
10	QPSK	12	0	22.86	22.94	22.94								
10	QPSK	12	7	22.88	23.00	22.84	24	0						
10	QPSK	12	13	22.77	22.88	22.79								
10	QPSK	25	0	22.77	22.81	22.76								
10	16QAM	1	0	22.88	23.04	22.88								
10	16QAM	1	12	22.88	22.90	22.87	24	0						
10	16QAM	1	24	22.67	22.77	22.73								
10	16QAM	12	0	22.70	22.84	22.73								
10	16QAM	12	7	22.71	22.70	22.63								
10	16QAM	12	13	22.60	22.60	22.57	23.5	0.5						
10	16QAM	25	0	22.65	22.62	22.61								
10	64QAM	1	0	22.78	22.88	22.88								
10	64QAM	1	12	22.71	22.80	22.81								
10	64QAM	1	24	22.65	22.69	22.76	22.5	1.5						
10	64QAM	12	0	21.78	21.84	21.70								
10	64QAM	12	7	21.70	21.65	21.70								
10	64QAM	12	13	21.68	21.70	21.68								
10	64QAM	25	0	21.60	21.64	21.60	20.5	3.5						
10	256QAM	1	0	19.75	19.86	19.88								
10	256QAM	1	12	19.71	19.82	19.75								
10	256QAM	1	24	19.68	19.75	19.74	20.5	3.5						
10	256QAM	12	0	19.66	19.85	19.84								
10	256QAM	12	7	19.73	19.86	19.78								
10	256QAM	12	13	19.61	19.64	19.64								
10	256QAM	25	0	19.67	19.64	19.64	20.5	3.5						
10	256QAM	25	0	19.67	19.64	19.64								
Turn-up time (sec)														
MFR (dB)														
Frequency (MHz)														
3	QPSK	1	0	23.02	23.10	23.13	24	0						
3	QPSK	1	12	22.95	22.92	23.03								
3	QPSK	1	24	22.86	22.90	22.95								
3	QPSK	12	0	22.86	22.94	22.94								
3	QPSK	12	7	22.88	23.00	22.84	24	0						
3	QPSK	12	13	22.77	22.88	22.79								
3	QPSK	25	0	22.77	22.81	22.76								
3	16QAM	1	0	22.88	23.04	22.88								
3	16QAM	1	12	22.88	22.90	22.87	24	0						
3	16QAM	1	24	22.67	22.77	22.73								
3	16QAM	12	0	22.70	22.84	22.73								
3	16QAM	12	7	22.71	22.70	22.63								
3	16QAM	12	13	22.60	22.60	22.57	23.5	0.5						
3	16QAM	25	0	22.65	22.62	22.61								
3	64QAM	1	0	22.78	22.88	22.88								
3	64QAM	1	12	22.71	22.80	22.81								
3	64QAM	1	24	22.65	22.69	22.76	22.5	1.5						
3	64QAM	12	0	21.78	21.84	21.70								
3	64QAM	12	7	21.70	21.65	21.70								
3	64QAM	12	13	21.68	21.70	21.68								
3	64QAM	25	0	21.60	21.64	21.60	20.5	3.5						
3	256QAM	1	0	19.75	19.86	19.88								
3	256QAM	1	12	19.71	19.82	19.75								
3	256QAM	1	24	19.68	19.75	19.74	20.5	3.5						
3	256QAM	12	0	19.66	19.85	19.84								
3	256QAM	12	7	19.73	19.86	19.78								
3	256QAM	12	13	19.61	19.64	19.64								
3	256QAM	25	0	19.67	19.64	19.64	20.5	3.5						
3	256QAM	25	0	19.67	19.64	19.64								
Turn-up time (sec)														
MFR (dB)														
Frequency (MHz)														
1.4	QPSK	1	0	23.02	23.12	23.15	24	0						
1.4	QPSK	1	12	22.98	22.97	23.05								
1.4	QPSK	1	24	22.94	22.93	22.95								
1.4	QPSK	12	0	22.94	23.00	22.96								
1.4	QPSK	12	7	22.97	23.07	22.97	24	0						
1.4	QPSK	12	13	22.87	22.94	22.87								
1.4	QPSK	15	0	22.83	22.88	22.88								
1.4	16QAM	1	0	22.94	23.02	22.96								
1.4	16QAM	1	8	22.89	22.98	22.97	24	0						
1.4	16QAM	1	14	22.77	22.75	22.68								
1.4	16QAM	8	0	22.65	22.63	22.67								
1.4	16QAM	8	8	22.65	22.65	22.67								
1.4	16QAM	8	7	22.57	22.68	22.60	23.5	0.5						
1.4	16QAM	8	0	22.75	22.92	22.80								
1.4	16QAM	1	8	22.66	22.91	22.78								
1.4	16QAM	1	14	22.70	22.72	22.60								
1.4	16QAM	8	0	21.76	21.87	21.84	22.5	1.5						
1.4	16QAM	8	8	21.67	21.68	21.62								
1.4	16QAM	8	7	21.67	21.74	21.67								
1.4	16QAM	15	0	21.63	21.53	21.58								
1.4	256QAM	1	0	19.76	19.86	19.83	20.5	3.5						
1.4	256QAM	1	8	19.75	19.85	19.87								
1.4	256QAM	1	14	19.63	19.72	19.67								
1.4	256QAM	8	0	19.63	19.63	19.63								
1.4	256QAM	8	7	19.62	19.71	19.60	20.5	3.5						
1.4	256QAM	8	8	19.63	19.63	19.63								
Turn-up time (sec)														
MFR (dB)														
Frequency (MHz)														
1.4	QPSK	1	0	23.02	23.12	23.15	24	0						
1.4	QPSK	1	12	22.98	22.97	23.05								
1.4	QPSK	1	24	22.94	22.93	22.95								
1.4	QPSK	12	0	22.94	23.00	22.96								
1.4	QPSK	12	7	22.97	23.07	22.97	24	0						
1.4	QPSK	12	13	22.87	22.94	22.87								
1.4	QPSK	15	0	22.83	22.88	22.88								
1.4	16QAM	1	0	22.92	23.04	22.93								
1.4	16QAM	1	3	22.86	23.00	22.81	23.5	0.5						
1.4	16QAM	1	8	22.85	23.05	22.81								
1.4	16QAM	3	0	22.78	22.89	22.78								
1.4	16QAM	3	1	22.85	23.05	22.84								
1.4	16QAM	6	0	22.70	22.87	22.69	23.5	0.5						
1.4	16QAM	6	0	22.57	22.62	22.57								
1.4	16QAM	6	7	22.71	22.71	22.63								
1.4	16QAM	3	7	22.72	22.86	22.63								
1.4	16QAM	6	0	21.68	21.81	21.70	22.5	1.5						
1.4	16QAM	6	0	21.78	21.93	21.72								
1.4	16QAM	3	7	19.69	19.78	19.78								
1.4	256QAM	1	0	19.71	19.78	19.72								
1.4	256QAM	1	8	19.73	19.83	19.82	20.5	3.5						
1.4	256QAM	1	14	19.69	19.77	19.69								
1.4	256QAM	6	0	19.54	19.67	19.62								
1.4	256QAM	6	0	19.54	19.67	19.62								



Band 66 Default Ant 0												
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.17	23.22	23.14	24	0				
20	QPSK	1	49	22.99	23.11	22.99						
20	QPSK	1	99	22.92	23.02	22.96						
20	QPSK	50	0	22.96	23.18	23.07						
20	QPSK	50	24	22.92	23.08	22.99	24	0				
20	QPSK	50	50	22.85	22.98	22.92						
20	QPSK	100	0	22.88	23.01	22.91						
20	16QAM	1	0	22.80	22.95	22.96						
20	16QAM	1	49	22.87	23.01	22.91	24	0				
20	16QAM	1	99	22.83	22.89	22.86						
20	16QAM	50	0	22.81	22.91	22.86						
20	16QAM	50	24	22.80	22.85	22.83						
20	16QAM	50	50	22.58	22.91	22.91	23.5	0.5				
20	16QAM	100	0	22.48	22.90	22.94						
20	64QAM	1	0	22.55	22.75	22.64						
20	64QAM	1	49	22.49	22.67	22.54						
20	64QAM	1	99	22.51	22.58	22.50	23.5	0.5				
20	64QAM	50	0	21.89	21.90	21.71						
20	64QAM	50	24	21.83	21.77	21.71						
20	64QAM	50	50	21.83	21.75	21.81						
20	256QAM	100	0	21.57	21.62	21.58	22.5	1.5				
20	256QAM	1	0	18.86	18.97	18.95						
20	256QAM	1	49	18.89	18.92	18.84						
20	256QAM	1	99	18.81	18.84	18.83						
20	256QAM	50	0	18.84	18.98	18.88	20.5	3.5				
20	256QAM	50	24	18.78	18.89	18.74						
20	256QAM	50	50	18.69	18.77	18.73						
20	256QAM	100	0	18.71	18.79	18.65						
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.17	23.22	23.14	24	0				
15	QPSK	1	37	23.08	23.16	23.00						
15	QPSK	1	74	22.89	22.97	22.84						
15	QPSK	36	0	22.87	23.10	23.02						
15	QPSK	36	39	22.82	23.01	22.92	24	0				
15	QPSK	36	39	22.78	22.87	22.78						
15	QPSK	75	0	22.82	22.91	22.78						
15	16QAM	1	1	22.88	23.01	22.90						
15	16QAM	1	37	22.75	22.91	22.85	24	0				
15	16QAM	1	74	22.79	22.74	22.75						
15	16QAM	36	0	22.49	22.71	22.60						
15	16QAM	36	39	22.57	22.69	22.60						
15	16QAM	75	0	22.41	22.52	22.54	23.5	0.5				
15	64QAM	1	0	22.47	22.52	22.37						
15	64QAM	1	37	22.52	22.46	22.46						
15	64QAM	1	74	22.45	22.52	22.42						
15	64QAM	36	0	21.59	21.86	21.61	22.5	1.5				
15	64QAM	36	39	21.51	21.60	21.47						
15	64QAM	36	39	21.50	21.52	21.52						
15	64QAM	75	0	21.48	21.50	21.51						
15	256QAM	1	0	18.75	18.90	18.85	20.5	3.5				
15	256QAM	1	37	18.82	18.89	18.79						
15	256QAM	1	74	18.75	18.79	18.77						
15	256QAM	36	0	18.80	18.85	18.86						
15	256QAM	36	39	18.73	18.79	18.80	20.5	3.5				
15	256QAM	36	39	18.68	18.69	18.63						
15	256QAM	75	0	18.63	18.61	18.58						
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.17	23.22	23.14	24	0				
10	QPSK	1	25	22.94	23.02	22.93						
10	QPSK	1	49	22.88	22.86	22.82						
10	QPSK	25	0	22.84	23.01	22.95						
10	QPSK	25	12	22.80	23.01	22.95	24	0				
10	QPSK	25	25	22.81	22.87	22.86						
10	QPSK	50	0	22.74	22.82	22.88						
10	16QAM	1	0	22.68	23.07	22.89						
10	16QAM	1	25	22.81	22.85	22.80	24	0				
10	16QAM	1	49	22.76	22.79	22.74						
10	16QAM	25	0	22.57	22.70	22.59						
10	16QAM	25	12	22.51	22.58	22.59						
10	16QAM	50	0	22.35	22.53	22.41	23.5	0.5				
10	16QAM	50	0	22.45	22.68	22.57						
10	64QAM	1	0	22.41	22.52	22.42						
10	64QAM	1	25	22.43	22.52	22.43						
10	64QAM	25	0	21.58	21.75	21.61	22.5	1.5				
10	64QAM	25	12	21.50	21.49	21.49						
10	64QAM	25	25	21.54	21.57	21.57						
10	64QAM	50	0	21.42	21.52	21.44						
10	256QAM	1	0	18.75	18.89	18.81	20.5	3.5				
10	256QAM	1	25	18.79	18.82	18.80						
10	256QAM	1	49	18.73	18.70	18.77						
10	256QAM	25	0	18.71	18.87	18.74						
10	256QAM	25	12	18.75	18.81	18.83	20.5	3.5				
10	256QAM	25	25	18.60	18.65	18.62						
10	256QAM	50	0	18.63	18.67	18.63						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.03	23.02	23.03			24	0		
5	QPSK	1	12	22.89	23.01	22.84						
5	QPSK	1	24	22.91	22.90	22.81						
5	QPSK	12	0	22.85	23.11	22.95						
5	QPSK	12	7	22.79	22.98	22.90	24	0				
5	QPSK	12	13	22.76	22.89	22.83						
5	QPSK	25	0	22.84	22.86	22.87						
5	16QAM	1	0	22.72	22.98	22.82						
5	16QAM	1	12	22.80	22.90	22.76	24	0				
5	16QAM	1	24	22.75	22.86	22.80						
5	16QAM	12	0	22.47	22.74	22.53						
5	16QAM	12	7	22.57	22.61	22.59						
5	16QAM	12	13	22.43	22.52	22.51	23.5	0.5				
5	64QAM	1	0	22.37	22.53	22.48						
5	64QAM	1	12	22.48	22.72	22.57						
5	64QAM	1	24	22.45	22.46	22.46						
5	64QAM	1	24	22.39	22.51	22.44	22.5	1.5				
5	64QAM	12	0	21.63	21.80	21.61						
5	64QAM	12	7	21.51	21.47	21.70						
5	64QAM	12	13	21.58	21.67	21.56						
5	64QAM	25	0	21.51	21.50	21.50	20.5	3.5				
5	256QAM	1	0	18.76	18.97	18.88						
5	256QAM	1	12	18.77	18.84	18.80						
5	256QAM	1	24	18.71	18.76	18.76						
5	256QAM	12	0	18.72	18.83	18.81	20.5	3.5				
5	256QAM	12	7	18.73	18.80	18.78						
5	256QAM	12	13	18.65	18.66	18.61						
5	256QAM	25	0	18.62	18.61	18.61						
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.03	23.02	23.03	24	0				
3	QPSK	1	12	22.89	23.01	22.84						
3	QPSK	1	24	22.91	22.90	22.81						
3	QPSK	1	12	22.85	23.11	22.95						
3	QPSK	8	7	22.79	22.98	22.90	24	0				
3	QPSK	8	7	22.76	22.89	22.83						
3	QPSK	16	0	22.79	22.80	22.86						
3	16QAM	1	0	22.76	22.87	22.84						
3	16QAM	8	8	22.82	22.88	22.87	24	0				
3	16QAM	1	14	22.76	22.85	22.82						
3	16QAM	8	8	22.73	22.85	22.83						
3	16QAM	8	4	22.54	22.72	22.69						
3	16QAM	8	7	22.43	22.47	22.52	23.5	0.5				
3	16QAM	8	7	22.48	22.51	22.51						
3	16QAM	1	0	22.47	22.69	22.58						
3	16QAM	1	8	22.41	22.62	22.48						
3	16QAM	8	4	21.52	21.68	21.70	22.5	1.5				
3	16QAM	8	7	21.51	21.50	21.50						
3	16QAM	16	0	21.45	21.55	21.48						
3	256QAM	1	0	18.75	18.99	18.84						
3	256QAM	1	8	18.73	18.89	18.89	20.5	3.5				
3	256QAM	1	14	18.74	18.81	18.75						
3	256QAM	8	8	18.75	18.80	18.80						
3	256QAM	8	7	18.60	18.72	18.68						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.11	23.10	23.10	24	0				
1.4	QPSK	1	0	22.89	23.04	22.92						
1.4	QPSK	1	8	22.92	23.02	22.90						
1.4	QPSK	3	0	22.82	23.14	22.99						
1.4	QPSK	3	0	22.80	23.04	22.96	24	0				
1.4	QPSK	3	3	22.71	22.86	22.84						
1.4	QPSK	3	3	22.70	22.85	22.80						
1.4	QPSK	3	3	22.75	22.90	22.85						
1.4	QPSK	1	0	22.73	22.95	22.81	24	0				
1.4	QPSK	1	3	22.78	23.01	22.91						
1.4	QPSK	1	3	22.78	23.00	22.93						
1.4	QPSK	1	0	22.47	22.78	22.54						
1.4	QPSK	1	0	22.50	22.60	22.53	23.5	0.5				
1.4	QPSK	1	0	22.51	22.61	22.43						
1.4	QPSK	1	0	22.43	22.48	22.44						
1.4	QPSK	3	0	22.42	22.64	22.40						
1.4	QPSK	3	0	22.44	22.64	22.40	23.5	0.5				
1.4	QPSK	3	0	22.46	22.71	21.57						
1.4	QPSK	1	3	18.78	18.85	18.75						
1.4	QPSK	1	0	18.76	18.89	18.89						
1.4	QPSK	3	1	18.74	18.79	18.80	20.5	3.5				
1.4	QPSK	3	1	18.75	18.80	18.80						
1.4	QPSK	3	1	18.74	18.79	18.80						
1.4	QPSK	3	1	18.60	18.72	18.68						
1.4	QPSK	3	0	18.64	18.68	18.60	20.5	3.5				
1.4	QPSK	3	0	18.64	18.68	18.60						
1.4	QPSK	3	0	18.64	18.68	18.60						
1.4	QPSK	3	0	18								

Band 38 Default Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power (dBm) Ch. Power	Power (dBm) Ch. Power	Power (dBm) Ch. Power	Turn-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)				31860	36000	38150			
20	QPSK	1	0	20.67	20.69	20.50			
20	QPSK	1	49	20.46	20.43	20.49	22	0	
20	QPSK	1	19	20.47	20.43	20.40			
20	QPSK	1	20	20.47	20.47	20.40			0.3
20	QPSK	50	24	20.36	20.30	20.42			
20	QPSK	50	25	20.36	20.36	20.42	22	0	
20	QPSK	100	0	20.37	20.32	20.33			
20	16QAM	1	0	20.46	20.47	20.39			
20	16QAM	1	49	20.29	20.29	20.33	22	0	
20	16QAM	1	99	20.29	20.33	20.40			
20	16QAM	50	0	20.06	20.23	20.34			
20	16QAM	50	24	19.87	19.83	19.95	21.5	0.5	
20	16QAM	50	25	19.87	20.09	19.96			
20	16QAM	100	0	19.62	20.14	20.00			
20	16QAM	100	0	19.62	20.14	20.00			
20	64QAM	1	43	19.94	20.04	20.00	21.5	0.5	
20	64QAM	1	49	19.81	19.83	19.78			
20	64QAM	50	0	19.86	20.04	19.95			
20	64QAM	50	24	19.83	19.80	19.89	20.5	1.0	
20	64QAM	50	25	19.83	19.83	19.83			
20	64QAM	100	0	19.85	19.88	19.79			
20	256QAM	1	0	17.91	18.08	17.94			
20	256QAM	1	49	17.82	18.08	17.90	18.5	3.5	
20	256QAM	1	99	17.80	17.86	17.87			
20	256QAM	50	24	17.74	17.86	17.87			
20	256QAM	50	24	17.60	17.65	17.60	18.5	3.5	
20	256QAM	50	25	17.67	17.67	17.81			
20	256QAM	100	0	17.81	18.03	17.89			
Channel									
Frequency (MHz)				31860	36000	38175	Turn-up time (min)	MPE (dB)	
15	QPSK	1	0	20.72	20.68	20.12			
15	QPSK	1	37	20.29	20.36	20.42	22	0	
15	QPSK	1	74	20.40	20.36	20.39			
15	QPSK	36	20	20.30	20.30	20.27			
15	QPSK	36	20	20.24	20.39	20.31			
15	QPSK	36	20	20.24	20.39	20.31			
15	QPSK	76	0	20.31	20.39	20.26			
15	16QAM	1	0	20.21	20.44	20.25			
15	16QAM	1	37	20.22	20.37	20.17	22	0	
15	16QAM	1	74	20.25	20.23	20.33			
15	16QAM	36	20	19.90	20.20	19.88			
15	16QAM	36	20	19.82	19.88	19.85	21.5	0.5	
15	16QAM	36	39	19.79	19.93	19.83			
15	16QAM	76	0	19.85	19.86	19.86			
15	64QAM	1	0	19.94	20.23	19.99			
15	64QAM	1	37	19.97	19.97	20.07	21.5	0.5	
15	64QAM	1	74	20.03	20.03	20.09			
15	64QAM	36	0	19.77	20.01	19.81			
15	64QAM	36	20	19.73	19.86	19.85			
15	64QAM	36	20	19.73	19.86	19.85	20.5	1.0	
15	64QAM	76	0	19.72	19.95	19.87			
15	256QAM								
15	256QAM	1	37	17.70	18.04	17.89			
15	256QAM	1	74	17.73	17.82	17.72			
15	256QAM	36	20	17.63	17.83	17.63			
15	256QAM	36	20	17.66	17.89	17.82	18.5	3.5	
15	256QAM	36	20	17.64	17.77	17.81			
15	256QAM	76	0	17.78	17.89	17.87			
Channel									
Frequency (MHz)				31860	36000	38200	Turn-up time (min)	MPE (dB)	
5	QPSK	1	0	20.66	20.68	20.17			
5	QPSK	1	25	20.31	20.39	20.41	22	0	
5	QPSK	1	50	20.42	20.36	20.34			
5	QPSK	26	0	20.37	20.42	20.22			
5	QPSK	26	12	20.24	20.46	20.28			
5	QPSK	26	12	20.17	20.42	20.22	22	0	
5	QPSK	50	0	20.34	20.42	20.28			
5	16QAM	1	0	20.32	20.41	20.25			
5	16QAM	1	25	20.33	20.39	20.29	22	0	
5	16QAM	1	49	20.15	20.17	20.23			
5	16QAM	26	0	20.04	20.20	19.98			
5	16QAM	26	12	19.93	19.83	19.79	21.5	0.5	
5	16QAM	26	12	19.86	19.86	19.87			
5	16QAM	50	0	19.81	19.84	19.84			
5	64QAM	1	0	19.89	20.09	20.01			
5	64QAM	1	25	19.82	20.01	20.01	21.5	0.5	
5	64QAM	1	49	19.83	19.83	19.84			
5	64QAM	26	0	19.81	20.00	19.81			
5	64QAM	26	12	19.71	19.86	19.78	20.5	1.0	
5	64QAM	26	12	19.74	19.79	19.79			
5	64QAM	50	0	19.80	19.83	19.72			
5	256QAM	1	25	17.81	17.81	17.84			
5	256QAM	1	25	17.73	17.87	17.88	18.5	3.5	
5	256QAM	1	49	17.71	17.76	17.74			
5	256QAM	26	12	17.68	17.81	17.84			
5	256QAM	26	12	17.60	17.81	17.85	18.5	3.5	
5	256QAM	26	25	17.69	17.82	17.69			
5	256QAM	50	0	17.78	17.89	17.89			
Channel									
Frequency (MHz)				31775	36000	38225	Turn-up time (min)	MPE (dB)	
5	QPSK	1	0	20.66	20.68	20.17			
5	QPSK	1	12	20.31	20.32	20.37	22	0	
5	QPSK	1	34	20.44	20.36	20.34			
5	QPSK	12	0	20.38	20.44	20.30			
5	QPSK	12	7	20.24	20.42	20.26			
5	QPSK	26	0	20.20	20.39	20.29	22	0	
5	16QAM	1	0	20.31	20.46	20.23			
5	16QAM	1	12	20.38	20.39	20.15	22	0	
5	16QAM	1	24	20.16	20.29	20.25			
5	16QAM	12	0	20.03	20.23	19.98			
5	16QAM	12	7	19.97	19.99	20.00	21.5	0.5	
5	16QAM	12	13	19.87	19.93	19.80			
5	16QAM	26	0	19.82	19.86	19.83			
5	64QAM	1	0	19.84	20.12	20.00			
5	64QAM	1	12	19.89	19.88	19.81	20.5	0.5	
5	64QAM	1	24	19.81	19.81	19.80			
5	64QAM	12	0	19.78	19.89	19.81			
5	64QAM	12	7	19.78	19.78	19.79	20.5	1.0	
5	64QAM	12	13	19.72	19.73	19.71			
5	256QAM	1	0	19.80	19.78	19.66			
5	256QAM	1	12	17.83	17.83	17.83	18.5	3.5	
5	256QAM	12	7	17.79	17.80	17.86			
5	256QAM	12	7	17.79	17.86	17.86	18.5	3.5	
5	256QAM	12	13	17.70	17.81	17.80			
5	256QAM	26	0	17.78	17.89	17.89			

Band 41 CC&IC Default Ant 0													
RF MW (MHz)	Modulation	RB Size	RB Offset	Power Power Class / Freq. (MHz)	Power Power Class / Freq. (MHz)	Power Power Class / Freq. (MHz)	Power Power Class / Freq. (MHz)	Power Power Class / Freq. (MHz)	Power Power Class / Freq. (MHz)	Time up limit (sec)	APR (dB)		
Channel													
Frequency (MHz)													
20	QPSK	1	0	22.49	22.62	22.75	22.84	22.94	22.44	24	0		
20	QPSK	1	48	22.33	22.84	22.82	22.20	22.29	22.38				
20	QPSK	50	0	22.36	22.81	22.42	22.29	22.29	22.24				
20	QPSK	50	50	22.37	22.18	22.18	22.37	22.37	22.38				
20	QPSK	50	24	22.05	22.65	22.19	22.19	22.02	22.02				
20	QPSK	100	0	22.05	22.65	22.19	22.19	22.02	22.02				
20	QPSK	100	50	22.05	22.10	22.10	22.05	22.20	22.20				
20	16QAM	1	0	22.15	22.13	22.28	22.13	22.14	22.14	23.5	0.5		
20	16QAM	50	48	22.03	22.04	22.04	22.03	22.03	22.03				
20	16QAM	1	56	22.02	22.03	22.13	22.04	22.04	22.04				
20	16QAM	50	0	21.92	21.18	21.18	21.94	21.94	21.29				
20	16QAM	50	50	21.17	21.17	21.17	21.17	21.17	21.17				
20	16QAM	50	50	21.01	21.08	21.16	21.16	21.04	21.04				
20	16QAM	100	0	21.30	21.21	21.30	21.17	21.27	21.27	22.5	1.5		
20	16QAM	100	0	21.41	21.33	21.41	21.33	21.33	21.33				
20	64QAM	1	48	21.32	21.27	21.37	21.27	21.30	21.30				
20	64QAM	1	78	21.18	21.24	21.24	21.18	21.18	21.18				
20	64QAM	50	0	20.27	20.27	20.40	20.30	20.31	20.31				
20	64QAM	50	24	20.23	20.24	20.23	20.23	20.23	20.23				
20	256QAM	1	0	20.19	18.16	18.17	20.17	18.17	18.17	21.5	2.5		
20	256QAM	1	56	20.18	18.14	20.02	20.02	20.10	20.10				
20	256QAM	1	78	18.24	18.20	18.37	18.34	18.24	18.24				
20	256QAM	1	104	18.27	18.16	18.37	18.37	18.24	18.24				
20	256QAM	50	0	18.10	16.08	18.23	18.15	18.16	18.16				
20	256QAM	50	24	18.10	16.08	18.23	18.15	18.16	18.16				
20	256QAM	50	24	18.10	16.08	18.23	18.15	18.16	18.16	19.5	4.5		
20	256QAM	50	24	18.10	16.08	18.23	18.15	18.16	18.16				
20	256QAM	50	24	18.10	16.08	18.23	18.15	18.16	18.16				
20	256QAM	50	24	18.10	16.08	18.23	18.15	18.16	18.16				
20	256QAM	50	24	18.10	16.08	18.23	18.15	18.16	18.16				
20	256QAM	50	24	18.10	16.08	18.23	18.15	18.16	18.16				
Channel													
Frequency (MHz)													
15	QPSK	1	0	22.37	22.46	22.56	22.43	22.43	22.33	24	0		
15	QPSK	1	37	22.17	22.37	22.46	22.09	22.09	22.36				
15	QPSK	1	74	22.14	22.26	22.26	22.07	22.11	22.11				
15	QPSK	36	0	22.08	22.08	22.08	22.08	22.08	22.08				
15	QPSK	36	20	21.69	20.61	22.09	22.09	21.81	21.81				
15	QPSK	75	0	22.03	22.02	22.02	22.03	22.03	22.03				
15	QPSK	75	5	22.13	21.58	22.15	22.08	22.11	22.11				
15	16QAM	1	0	22.09	21.98	22.15	22.08	22.11	22.11	23.5	0.5		
15	16QAM	1	37	21.93	22.00	22.00	21.93	21.93	21.93				
15	16QAM	1	74	21.99	21.91	22.04	21.97	21.94	21.94				
15	16QAM	36	0	21.28	21.04	21.28	21.19	21.28	21.28				
15	16QAM	36	20	20.98	20.98	21.05	20.98	21.09	21.09				
15	16QAM	36	39	20.88	21.03	21.01	21.05	20.92	20.92				
15	16QAM	75	0	21.17	21.17	21.17	21.17	21.17	21.17	22.5	1.5		
15	16QAM	1	5	21.32	21.20	21.30	21.31	21.33	21.33				
15	64QAM	1	37	21.12	21.18	21.20	21.11	21.22	21.22				
15	64QAM	1	74	21.23	21.21	21.23	21.07	21.08	21.08				
15	64QAM	36	0	20.20	20.19	20.20	20.20	20.20	20.20				
15	64QAM	36	20	20.08	20.09	20.08	20.17	20.08	20.08				
15	64QAM	75	0	20.10	20.10	20.10	20.10	20.12	20.12	21.5	2.5		
15	64QAM	75	5	19.99	20.05	20.08	20.12	20.10	20.10				
15	256QAM	1	37	18.20	18.10	18.33	18.15	18.16	18.16				
15	256QAM	1	74	18.04	18.02	18.32	18.11	18.08	18.08				
15	256QAM	1	104	18.03	18.02	18.35	18.11	18.05	18.05				
15	256QAM	50	0	18.12	16.03	18.15	17.95	18.05	18.05				
15	256QAM	50	39	18.08	17.93	18.11	18.02	18.01	18.01	19.5	4.5		
15	256QAM	75	0	18.12	18.11	18.11	18.08	18.08	18.08				
Channel													
Frequency (MHz)													
10	QPSK	1	0	22.40	22.47	22.54	22.63	22.72	22.42			24	0
10	QPSK	1	25	22.19	22.51	22.53	22.19	22.31	22.31				
10	QPSK	25	0	22.21	22.52	22.18	22.21	22.21	22.21				
10	QPSK	25	16	22.16	22.04	22.07	22.08	22.06	22.06				
10	QPSK	25	12	21.91	22.04	22.13	22.12	22.18	22.18				
10	QPSK	50	0	22.06	22.05	22.05	22.06	22.04	22.04				
10	QPSK	50	12	21.13	21.65	22.12	22.05	22.13	22.13				
10	16QAM	1	0	22.10	22.00	22.13	22.08	22.11	22.11	23.5	0.5		
10	16QAM	1	25	21.99	21.99	22.07	21.97	21.97	21.97				
10	16QAM	1	49	21.87	21.90	22.07	21.83	21.86	21.86				
10	16QAM	25	0	21.22	21.13	21.29	21.15	21.21	21.21				
10	16QAM	25	12	21.08	21.12	21.12	21.08	21.08	21.08				
10	16QAM	25	16	20.89	21.05	21.13	21.06	21.09	21.09				
10	16QAM	50	0	21.28	21.27	21.27	21.28	21.15	21.15	22.5	1.5		
10	64QAM	1	0	21.92	21.23	21.40	21.32	21.29	21.29				
10	64QAM	1	25	21.32	21.13	21.33	21.14	21.19	21.19				
10	64QAM	1	49	21.15	21.14	21.14	21.15	21.14	21.14				
10	64QAM	25	0	20.12	20.17	20.30	20.20	20.23	20.23				
10	64QAM	25	12	20.18	20.15	20.19	20.10	20.28	20.28				
10	64QAM	50	0	20.08	20.04	20.15	20.08	20.03	20.03	21.5	2.5		
10	64QAM	50	0	20.00	20.01	20.18	20.12	20.08	20.08				
10	256QAM	1	0	18.10	16.08	18.23	18.15	18.16	18.16				
10	256QAM	1	25	18.15	18.08	18.29	18.07	18.12	18.12				
10	256QAM	1	49	18.05	17.99	18.18	18.12	18.02	18.02				
10	256QAM	50	0	18.14	16.04	18.09	17.97	18.05	18.05				
10	256QAM	25	12	18.13	18.09	18.09	17.97	18.05	18.05	19.5	4.5		
10	256QAM	25	16	18.09	18.01	18.30	17.97	18.05	18.05				
Channel													
Frequency (MHz)													
5	QPSK	1	0	22.30	22.47	22.64	22.81	22.97	22.47			24	0
5	QPSK	1	12	22.13	22.51	22.37	22.13	22.33	22.33				
5	QPSK	12	0	22.13	22.51	22.37	22.13	22.33	22.33				
5	QPSK	12	7	21.94	22.08	22.08	22.07	22.03	22.03				
5	QPSK	25	0	22.09	21.06	22.09	22.09	22.09	22.09				
5	QPSK	25	0	22.21	22.04	22.19	21.99	22.17	22.17				
5	16QAM	1	0	22.10	22.02	22.15	21.99	22.17	22.17	23.5	0.5		
5	16QAM	1	12	21.81	21.97	22.08	21.83	21.97	21.97				
5	16QAM	1	24	21.87	22.00	22.03	21.95	21.92	21.92				
5	16QAM	12	7	21.26	21.12	21.12	21.26	21.12	21.12				
5	16QAM	12	7	20.87	21.03	21.12	21.10	21.09	21.09				
5	16QAM	12	13	20.89	20.95	21.02	21.08	20.91	20.91				
5	64QAM	1	0	21.35	21.27	21.38	21.28	21.27	21.27	22.5	1.5		
5	64QAM	1	12	21.28	21.13	21.25	21.19	21.16	21.16				
5	64QAM	1	24	21.60	21.20	21.20	21.60	21.18	21.18				
5	64QAM	12	0	20.12	20.23	20.34	20.20	20.18	20.18				
5	64QAM	12	7	20.14	20.17	20.19	20.10	20.28	20.28				
5	64QAM	25	0	20.08	20.04	20.15	20.08	20.03	20.03				
5	64QAM	25	12	19.99	19.99	20.16	20.08	20.02	20.02	21.5	2.5		
5	256QAM	1	0	18.10	16.08	18.23	18.15	18.16	18.16				
5	256QAM	1	12	18.24	18.07	18.25	18.02	18.21	18.21				
5	256QAM	1	24	18.08	18.00	18.19	18.02	18.01	18.01				
5	256QAM	50	0	18.07	16.04	18.04	17.95	18.03	18.03				
5	256QAM	12	7	18.06	18.10	18.14	17.99	18.09	18.09				
5	256QAM	12	13	18.01	17.96	18.06	18.08	17.96	17.96	19.5	4.5		
5	256QAM	25	0	18.08	16.08	18.08	18.08	18.08	18.08				
Channel													
Frequency (MHz)													
0	QPSK	1	0	22.30	22.47	22.64	22.81	22.97	22.47			24	0
0	QPSK	1	12	22.13	22.51	22.37	22.13	22.33	22.33				
0	QPSK	12	0	22.13	22.51	22.37	22.13	22.33	22.33				
0	QPSK	12	7	21.94	22.08	22.08	22.07	22.03	22.03				
0	QPSK	25	0	22.09	21.06	22.09	22.09	22.09	22.09				
0	QPSK	25	0	22.21	22.04	22.19	21.99	22.17	22.17				
0	16QAM	1	0	22.10	22.02	22.15	21.99	22.17	22.17	23.5	0.5		
0	16QAM	1	12	21.81	21.97	22.08	21.83	21.97	21.97				
0	16QAM	1	24	21.87	22.00	22.03	21.95	21.92	21.92				
0	16QAM	12	7	21.26	21.12	21.12	21.26	21.12	21.12				
0	16QAM	12	7	20.87	21.03	21.12	21.10	21.09	21.09				
0	16QAM	12	13	20.89	20.95	21.02	21.08	20.91	20.91				
0	64QAM	1	0	21.35	21.27	21.38	21.28	21.27	21.27	22.5	1.5		
0													

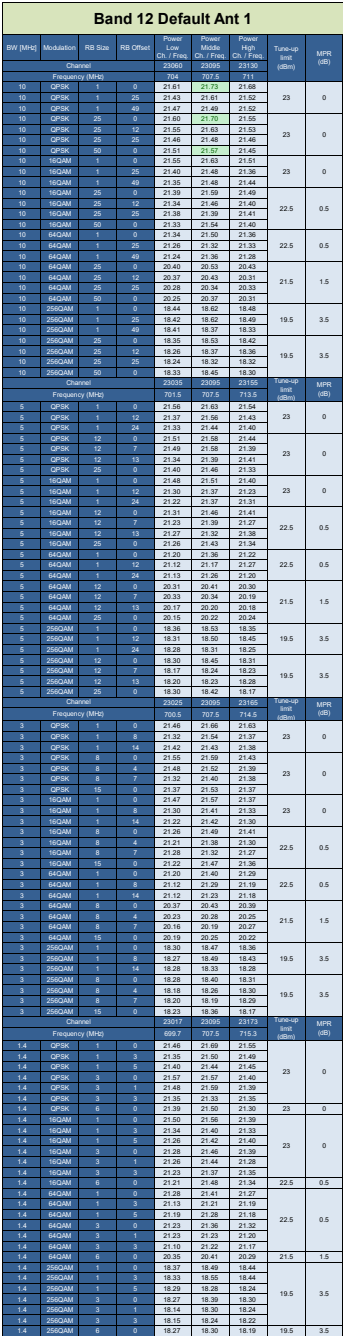


Band 41 PC2 FCC&IC Default Ant 0																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int (dB)	MPR (dB)						
Channel																
Frequency (MHz)																
20	QPSK	1	0	25.60	25.65	25.60	25.53	25.40	26	0						
20	QPSK	1	49	25.45	25.23	25.58	25.45	25.35								
20	QPSK	1	89	25.23	25.38	25.42	25.38	25.31								
20	QPSK	50	0	25.42	25.34	25.45	25.21	25.08								
20	QPSK	50	24	25.32	25.23	25.38	25.29	25.10	26	0						
20	QPSK	50	50	25.67	25.30	25.48	25.25	25.08								
20	QPSK	100	0	25.32	25.20	25.35	25.28	25.13								
20	16QAM	1	0	25.55	25.46	25.60	25.48	25.41								
20	16QAM	1	49	25.35	25.39	25.45	25.48	25.27	26	0						
20	16QAM	1	99	25.30	25.34	25.42	25.44	25.22								
20	16QAM	50	0	24.26	24.15	24.36	24.17	24.17								
20	16QAM	50	24	24.19	24.20	24.35	24.11	24.06								
20	16QAM	50	50	24.11	24.05	24.17	24.11	23.97	25	1						
20	16QAM	100	0	24.25	24.21	24.32	24.15	24.17								
20	64QAM	1	0	24.15	24.15	24.25	24.10	24.17								
20	64QAM	1	49	24.02	24.11	24.10	24.10	23.96								
20	64QAM	1	99	24.05	24.03	24.10	24.03	23.95	25	1						
20	64QAM	50	0	23.26	23.22	23.38	23.20	23.14								
20	64QAM	50	24	23.15	23.14	23.27	23.19	23.03								
20	64QAM	50	50	23.14	23.10	23.21	23.15	23.06								
20	64QAM	100	0	23.11	23.17	23.23	23.22	23.02	24	2						
20	256QAM	1	0	21.51	21.42	21.55	21.46	21.29								
20	256QAM	1	49	21.54	21.49	21.60	21.45	21.29								
20	256QAM	1	99	21.24	21.37	21.38	21.38	21.23								
20	256QAM	50	0	21.35	21.21	21.42	21.35	21.24	22	4						
20	256QAM	50	24	21.22	21.15	21.29	21.24	21.04								
20	256QAM	50	50	21.14	21.12	21.21	21.20	21.05								
20	256QAM	100	0	21.32	21.28	21.21	21.20	21.05								
Channel																
Frequency (MHz)																
16	QPSK	1	0	25.52	25.47	25.50	25.30	25.13	26.00	0						
16	QPSK	1	37	25.39	25.12	25.50	25.28	25.20								
16	QPSK	1	74	25.13	25.30	25.35	25.24	25.21								
16	QPSK	38	0	25.39	25.31	25.31	25.10	24.91								
16	QPSK	38	20	25.20	25.08	25.34	25.19	24.95	26	0						
16	QPSK	38	38	25.45	25.38	25.45	25.15	25.00								
16	QPSK	75	0	25.24	25.15	25.23	25.15	25.00								
16	16QAM	1	0	25.43	25.36	25.51	25.38	25.35								
16	16QAM	1	37	25.35	25.20	25.50	25.40	25.23	26	0						
16	16QAM	1	74	25.16	25.21	25.35	25.35	25.10								
16	16QAM	38	0	24.22	24.02	24.24	24.16	23.97								
16	16QAM	38	20	24.05	24.08	24.22	24.05	23.82								
16	16QAM	38	38	24.08	23.99	24.08	24.06	23.86	25	1						
16	16QAM	75	0	24.19	24.08	24.27	24.04	24.02								
16	64QAM	1	0	24.04	24.10	24.16	24.05	23.99								
16	64QAM	1	37	23.89	24.04	23.97	23.95	23.88								
16	64QAM	1	74	24.03	23.89	24.10	23.94	23.92	24	2						
16	64QAM	38	0	23.18	23.15	23.35	23.05	23.05								
16	64QAM	38	20	23.05	22.99	23.22	23.15	22.97								
16	64QAM	38	38	23.05	22.95	23.05	23.15	22.92								
16	64QAM	75	0	23.04	23.03	23.08	23.15	22.92	22	4						
16	256QAM	1	0	21.43	21.30	21.51	21.39	21.22								
16	256QAM	1	37	21.42	21.17	21.45	21.35	21.15								
16	256QAM	1	74	21.20	21.25	21.32	21.23	21.10								
16	256QAM	38	0	21.24	21.17	21.34	21.25	21.11	22	4						
16	256QAM	38	20	21.08	21.12	21.11	21.15	21.09								
16	256QAM	38	38	21.10	21.08	21.07	21.09	21.08								
16	256QAM	75	0	21.21	21.12	21.31	21.06	21.07								
Channel																
Frequency (MHz)																
10	QPSK	1	0	25.44	25.44	25.44	25.24	25.17	26.00	0						
10	QPSK	1	25	25.35	25.11	25.51	25.34	25.28								
10	QPSK	1	49	25.06	25.30	25.30	25.31	25.16								
10	QPSK	25	0	25.34	25.15	25.35	25.10	25.02								
10	QPSK	25	12	25.28	25.00	25.32	25.14	25.03	26	0						
10	QPSK	25	25	24.92	25.06	25.09	25.14	24.97								
10	QPSK	50	0	25.30	25.05	25.31	25.24	25.06								
10	16QAM	1	0	25.47	25.40	25.60	25.41	25.35								
10	16QAM	1	49	25.20	25.34	25.40	25.38	25.12	26	0						
10	16QAM	1	99	25.21	25.21	25.28	25.35	25.17								
10	16QAM	25	0	24.23	24.09	24.31	24.12	24.03								
10	16QAM	25	12	24.12	24.15	24.22	24.05	23.91								
10	16QAM	25	25	24.04	23.95	24.14	24.04	23.85	25	1						
10	16QAM	50	0	24.14	24.14	24.28	24.08	24.11								
10	64QAM	1	0	24.09	24.09	24.20	24.06	23.97								
10	64QAM	1	25	23.94	23.99	24.02	23.99	23.86								
10	64QAM	25	0	23.21	23.05	23.28	23.15	23.03	24	2						
10	64QAM	25	12	23.05	23.10	23.24	23.09	22.89								
10	64QAM	25	25	23.02	22.87	23.20	23.08	22.96								
10	64QAM	50	0	22.97	23.07	23.10	23.18	22.95								
10	256QAM	1	0	21.47	21.39	21.54	21.35	21.15	22	4						
10	256QAM	1	25	21.51	21.26	21.47	21.39	21.25								
10	256QAM	1	49	21.14	21.30	21.35	21.30	21.22								
10	256QAM	25	0	21.28	21.21	21.35	21.32	21.20								
10	256QAM	25	12	21.05	21.04	21.20	21.17	20.94	22	4						
10	256QAM	25	25	20.99	21.07	21.13	21.15	20.95								
10	256QAM	50	0	21.28	21.16	21.27	21.11	21.02								
Channel																
Frequency (MHz)																
5	QPSK	1	0	25.51	25.48	25.48	25.30	25.23	26.00	0						
5	QPSK	1	12	25.43	25.07	25.45	25.33	25.31								
5	QPSK	1	24	25.15	25.34	25.35	25.21	25.25								
5	QPSK	12	0	25.39	25.32	25.47	25.39	25.01								
5	QPSK	12	7	25.44	25.15	25.35	25.12	25.03	26	0						
5	QPSK	12	13	24.93	25.06	25.06	25.21	25.05	26	0						
5	QPSK	25	0	25.21	25.05	25.28	25.22	25.09								
5	QPSK	25	7	25.47	25.42	25.52	25.38	25.27								
5	QPSK	25	12	25.20	25.25	25.35	25.25	25.14								
5	16QAM	1	0	25.19	25.21	25.25	25.34	25.16	26	0						
5	16QAM	1	12	25.20	25.02	25.32	25.24	25.02								
5	16QAM	12	7	24.15	24.14	24.19	24.09	23.97								
5	16QAM	12	13	24.05	23.98	24.03	24.07	23.89								
5	16QAM	25	0	24.12	24.10	24.21	24.05	24.07	25	1						
5	16QAM	1	12	23.91	23.97	24.02	24.07	23.92								
5	16QAM	1	24	23.97	24.01	24.05	24.04	23.81								
5	16QAM	12	0	23.18	23.14	23.27	23.07	23.06								
5	64QAM	1	0	23.23	23.08	23.15	23.15	22.89	24	2						
5	64QAM	1	12	23.09	23.13	23.26	23.10	22.91								
5	64QAM	1	24	23.10	23.11	23.15	23.14	22.92								
5	64QAM	12	0	23.08	23.11	23.11	23.14	22.92								
5	256QAM	1	0	21.48	21.34	21.49	21.34	21.22	22	4						
5	256QAM	1	12	21.48	21.25	21.48	21.37	21.21								
5	256QAM	1	24	21.19	21.30	21.32	21.28	21.22								
5	256QAM	12	0	21.19	21.21	21.22	21.22	21.19								
5	256QAM	12	7	21.19	21.07	21.22	21.20	21.03	22	4						
5	256QAM	12	13	21.08	21.06	21.15	21.16	21.06								
5	256QAM	25	0	21.24	21.16	21.25	21.12	21.02								
5	256QAM	25	7	21.24	21.15	21.25	21.15	21.06								
5	256QAM	25	13	21.04	21.04	21.15	21.15	21.04								

COMBIO ANT									
Channel		Sect-Average Power (dBm)			Tx-avg		Frame-Average Power (dBm)		
TX Channel		198	199	201	Limit		198	199	201
Frequency (MHz)		894.2	895.4	896.6	(dBm)		894.2	895.4	896.6
OFDM 1 Tx-Mid		31.42	31.48	31.36	32.00		22.42	22.48	22.36
OFDM 1 Tx-Mid		31.39	31.45	31.33	32.00		22.39	22.45	22.33
OFDM 2 Tx-Mid		28.27	28.29	28.32	29.00		22.27	22.29	22.32
OFDM 2 Tx-Mid		28.80	28.92	28.80	29.00		22.54	22.55	22.54
OFDM 4 Tx-Mid		29.16	29.22	29.17	29.00		22.16	22.22	22.17
EDGE 1 Tx-Mid		24.03	24.17	24.05	25.00		18.03	18.17	18.05
EDGE 2 Tx-Mid		22.20	22.41	22.34	23.00		16.20	16.41	16.34
EDGE 3 Tx-Mid		21.15	21.23	21.08	22.00		16.89	16.97	16.82
EDGE 4 Tx-Mid		19.99	19.96	19.83	20.00		16.89	16.96	16.83
COMBIO ANT									
Channel		Sect-Average Power (dBm)			Tx-avg		Frame-Average Power (dBm)		
TX Channel		514	560	590	Limit		514	560	590
Frequency (MHz)		1890.2	1890	1890.8	(dBm)		1890.2	1890	1890.8
OFDM 1 Tx-Mid		27.46	27.52	27.63	28.00		18.46	18.54	18.63
OFDM 1 Tx-Mid		27.62	27.67	27.67	28.00		18.52	18.67	18.67
OFDM 2 Tx-Mid		25.06	25.00	24.98	26.00		19.06	19.00	18.98
OFDM 3 Tx-Mid		25.36	25.42	25.32	26.00		19.10	19.16	19.06
OFDM 4 Tx-Mid		20.62	20.74	20.63	21.00		17.62	17.74	17.63
EDGE 1 Tx-Mid		12.76	12.86	12.72	13.00		13.76	13.86	13.72
EDGE 2 Tx-Mid		21.13	21.22	21.13	22.00		15.13	15.22	15.13
EDGE 3 Tx-Mid		14.80	14.90	14.80	15.00		14.80	14.90	14.80
EDGE 4 Tx-Mid		17.01	16.95	17.07	18.00		14.91	15.05	14.97
COMBIO ANT									
Channel		Sect-Average Power (dBm)			Tx-avg		Frame-Average Power (dBm)		
TX Channel		5952	5600	5658	Limit		5952	5600	5658
Frequency (MHz)		1852.4	1860	1867.6	(dBm)		1712.4	1752.6	1752.6
OFDM 1 Tx-Mid		21.46	21.55	21.44	22.00		21.42	21.44	21.31
OFDM 2 Tx-Mid		21.48	21.51	21.51	22.00		21.45	21.45	21.37
OFDM 3 Tx-Mid		20.85	20.64	20.47	22.00		20.67	20.32	22.00
OFDM 4 Tx-Mid		20.48	20.51	20.52	22.00		20.42	20.50	20.41
EDGE 1 Tx-Mid		20.02	20.14	20.10	21.00		19.91	20.02	19.95
EDGE 2 Tx-Mid		19.66	20.18	20.06	21.00		19.67	20.11	19.64
EDGE 3 Tx-Mid		20.50	20.70	20.45	22.00		20.63	20.35	22.00
EDGE 4 Tx-Mid		20.37	20.42	20.36	22.00		20.33	20.28	20.08
EDGE 5 Tx-Mid		19.09	19.96	19.92	21.00		19.84	19.86	19.90
EDGE 6 Tx-Mid		19.87	19.84	19.89	21.00		19.82	19.80	19.83
EDGE 7 Tx-Mid		20.96	20.61	20.86	22.00		20.43	20.58	22.00
EDGE 8 Tx-Mid		18.53	18.67	18.52	20.00		18.42	18.39	20.00
EDGE 9 Tx-Mid		18.13	18.86	19.08	21.00		18.43	18.47	21.00
EDGE 10 Tx-Mid		18.45	18.48	18.44	20.00		18.37	18.45	18.35
EDGE 11 Tx-Mid		20.59	20.49	20.39	22.00		20.58	20.38	20.33



Band 2 Default Ant 1												
BW [MHz]	Modulation	RIS Size	RIS Offset	Power Max Ch./F.Freq.	Power Min Ch./F.Freq.	Power Min Ch./F.Freq.	Turn-up Time (sec)	MPR (dB)				
Channel												
Frequency [MHz]												
20	QPSK	1	0	20.50	21.00	20.50	22	0				
20	QPSK	1	49	20.75	21.04	20.88						
20	QPSK	1	99	20.75	21.04	20.88	22	0				
20	QPSK	50	0	20.59	21.08	20.59						
20	QPSK	50	24	20.67	20.99	20.50	22	0				
20	QPSK	100	0	20.50	20.99	20.50						
20	QPSK	100	24	20.50	20.99	20.50	22	0				
20	QPSK	150	0	20.50	20.98	20.57						
20	16QAM	1	0	20.80	20.90	20.70	21.5	0.5				
20	16QAM	1	49	20.82	20.98	20.76						
20	16QAM	1	99	20.82	20.98	20.76	21.5	0.5				
20	16QAM	50	24	20.72	20.80	20.79						
20	16QAM	50	50	20.72	20.79	20.86	21.5	0.5				
20	16QAM	150	0	20.75	20.85	20.77						
20	16QAM	1	0	20.67	20.76	20.72	21.5	0.5				
20	16QAM	1	99	20.68	20.71	20.81						
20	16QAM	50	24	19.80	19.86	19.76	18.5	3.5				
20	16QAM	50	50	19.77	19.73	19.89						
20	16QAM	100	0	19.86	19.83	19.80	18.5	3.5				
20	16QAM	100	24	19.75	19.78	19.77						
20	256QAM	1	49	17.87	17.89	17.89	18.5	3.5				
20	256QAM	1	99	17.82	17.86	17.81						
20	256QAM	50	24	17.88	17.94	17.88	18.5	3.5				
20	256QAM	50	50	17.88	17.94	17.88						
20	256QAM	100	0	17.75	17.81	17.79	18.5	3.5				
20	256QAM	100	24	17.81	17.87	17.84						
20	256QAM	100	24	17.85	17.86	17.85						
Channel												
Frequency [MHz]												
15	QPSK	1	0	19.97	19.88	19.93	22	0				
15	QPSK	1	49	20.11	20.94	20.85						
15	QPSK	1	99	20.11	20.94	20.85	22	0				
15	QPSK	36	0	20.83	21.03	20.87						
15	QPSK	36	39	20.78	20.99	20.85	22	0				
15	QPSK	36	39	20.80	20.83	20.73						
15	QPSK	75	0	20.85	20.95	20.85	22	0				
15	16QAM	1	1	20.75	20.97	20.81						
15	16QAM	1	37	20.76	20.73	20.84	22	0				
15	16QAM	1	74	17.86	17.89	17.89						
15	16QAM	36	0	20.72	20.81	20.87	21.5	0.5				
15	16QAM	36	20	20.84	20.84	20.89						
15	16QAM	75	0	20.73	20.83	20.75	21.5	0.5				
15	16QAM	1	0	20.70	20.72	20.87						
15	16QAM	1	99	20.73	20.80	20.74	20.5	1.5				
15	16QAM	1	74	20.49	20.50	20.55						
15	16QAM	36	0	19.72	19.86	19.74	20.5	1.5				
15	16QAM	36	39	19.71	19.82	19.81						
15	16QAM	75	0	19.86	19.82	19.78	18.5	3.5				
15	16QAM	75	0	19.78	19.82	19.78						
15	256QAM	1	37	17.80	17.85	17.80	18.5	3.5				
15	256QAM	1	74	17.82	17.89	17.81						
15	256QAM	36	20	17.79	17.82	17.78	18.5	3.5				
15	256QAM	36	39	17.86	17.74	17.85						
15	256QAM	75	0	17.85	17.86	17.85	18.5	3.5				
15	256QAM	75	0	17.85	17.86	17.85						
Channel												
Frequency [MHz]												
15	QPSK	1	0	20.89	21.05	20.91	22	0				
15	QPSK	1	99	20.79	21.05	20.92						
15	QPSK	1	74	20.73	21.00	20.86	22	0				
15	QPSK	36	0	20.94	21.04	20.87						
15	QPSK	36	39	20.84	20.99	20.85	22	0				
15	QPSK	25	25	20.84	20.93	20.78						
15	QPSK	25	25	20.89	20.98	20.82	22	0				
15	QPSK	75	0	20.96	20.99	20.91						
15	16QAM	1	25	20.78	20.74	20.80	22	0				
15	16QAM	1	49	20.82	20.73	20.75						
15	16QAM	1	99	20.83	20.68	20.81	21.5	0.5				
15	16QAM	25	12	20.73	20.84	20.76						
15	16QAM	25	12	20.73	20.84	20.76	21.5	0.5				
15	16QAM	50	0	20.64	20.75	20.71						
15	16QAM	50	24	20.65	20.75	20.72	21.5	0.5				
15	16QAM	100	0	20.64	20.75	20.71						
15	16QAM	1	49	20.49	20.50	20.55	20.5	1.5				
15	16QAM	1	99	20.49	20.50	20.55						
15	16QAM	25	0	19.75	19.87	19.87	20.5	1.5				
15	16QAM	25	12	19.87	19.87	19.87						
15	16QAM	50	0	19.79	19.77	19.82	18.5	3.5				
15	16QAM	50	24	19.73	19.75	19.76						
15	16QAM	100	0	19.73	19.75	19.76	18.5	3.5				
15	16QAM	100	24	19.73	19.75	19.76						
15	256QAM	25	12	17.69	17.78	17.78	18.5	3.5				
15	256QAM	25	25	17.75	17.78	17.76						
15	256QAM	25	25	17.75	17.78	17.76	18.5	3.5				
15	256QAM	25	25	17.75	17.78	17.76						
Channel												
Frequency [MHz]												
5	QPSK	1	0	19.93	19.84	19.91	22	0				
5	QPSK	1	12	20.05	20.90	20.52						
5	QPSK	1	24	20.22	21.01	20.85	22	0				
5	QPSK	25	0	20.84	20.94	20.87						
5	QPSK	12	7	20.87	20.95	20.86	22	0				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	22	0				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	22	0				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13	20.88	20.84	20.73	21.5	0.5				
5	QPSK	12	13	20.88	20.84	20.73						
5	QPSK	12	13									



Band 14 Default Ant 1									
BS (MHz)	Modulation	RB Size	PRB Count	Power (dBm)	CP Cyclic Prefix (Ch/Freq)	CP Cyclic Prefix (Ch/Freq)	CP Cyclic Prefix (Ch/Freq)	Transmit Rate (Mbps)	MPE (dB)
Channel					25000				
Frequency (MHz)					750				
5	QPSK	1	0	21.72					
5	QPSK	1	24	21.53				23	0
5	QPSK	1	48	21.48					
5	QPSK	25	0	21.68					
5	QPSK	25	12	21.52				23	0
5	QPSK	25	24	21.49					
5	QPSK	50	0	21.60					
5	16QAM	1	0	21.57					
5	16QAM	1	24	21.39				23	0
5	16QAM	1	48	21.37					
5	16QAM	25	0	21.52					
5	16QAM	25	12	21.43					
5	16QAM	25	24	21.37				22.5	0.5
5	16QAM	50	0	21.46					
5	16QAM	50	24	21.13					
5	64QAM	1	24	21.05				22.0	0.5
5	64QAM	1	48	20.93					
5	64QAM	25	0	21.05					
5	64QAM	25	12	20.96				21.5	1.5
5	64QAM	25	24	20.89					
5	64QAM	50	0	20.90					
5	256QAM	1	0	18.43					
5	256QAM	1	24	18.43				19.5	3.5
5	256QAM	1	48	18.29					
5	256QAM	25	0	18.42					
5	256QAM	25	12	18.23				19.5	3.5
5	256QAM	25	24	18.24					
5	256QAM	50	0	18.45					
Channel					23000				
Frequency (MHz)					760.5				
5	QPSK	1	0	21.56	21.60	21.60	759.5		
5	QPSK	1	12	21.52	21.57	21.57		23	0
5	QPSK	1	24	21.42	21.46	21.46			
5	QPSK	12	0	21.45	21.56	21.57			
5	QPSK	12	7	21.32	21.42	21.38		23	0
5	QPSK	12	14	21.35	21.40	21.35			
5	QPSK	25	0	21.38	21.57	21.38			
5	16QAM	1	0	21.29	21.48	21.40			
5	16QAM	1	12	21.32	21.35	21.35		23	0
5	16QAM	1	24	21.26	21.23	21.25			
5	16QAM	12	0	21.36	21.46	21.38			
5	16QAM	12	7	21.35	21.40	21.35			
5	16QAM	12	13	21.16	21.23	21.14		22.5	0.5
5	16QAM	25	0	21.19	21.38	21.30			
5	16QAM	25	14	21.24	21.34	21.27			
5	64QAM	1	12	20.80	20.81	20.91		22.0	0.5
5	64QAM	1	24	20.75	20.92	20.85			
5	64QAM	12	0	20.90	21.15	20.98			
5	64QAM	12	7	20.81	20.89	20.82		21	1.5
5	64QAM	12	13	19.67	19.97	19.88			
5	256QAM	1	0	19.08	19.31	19.08			
5	256QAM	1	0	18.12	18.39	18.17			
5	256QAM	1	12	18.14	18.40	18.06		19.5	3.5
5	256QAM	1	12	18.11	18.38	18.18			
5	256QAM	12	0	18.11	18.33	18.11			
5	256QAM	12	7	18.11	18.15	18.03		19.5	3.5
5	256QAM	12	13	18.11	18				
5	256QAM	25	0	18.24	18.35	18.15			

Band 17 Default Ant 1												
RF B/W	Modulation	RB Size	RB Offset	Power Pilot Ch/Freq	Power Data Ch/Freq	Power Pilot Ch/Freq	Power Data Ch/Freq	Transmit Rate (kbps)	MPE (dB)			
Channel				2576	2580	2584	2588					
Frequency (MHz)				715	715	715	715					
OPRSK	1	0	0	21.61	21.66	21.66	21.66	23	0			
OPRSK	1	20	0	21.42	21.49	21.38	21.42					
OPRSK	1	40	0	21.46	21.51	21.42	21.46					
OPRSK	1	60	0	21.32	21.56	21.41	21.47					
OPRSK	5	12	0	21.33	21.35	21.27	21.33	23	0			
OPRSK	5	24	0	21.25	21.31	21.29	21.30					
OPRSK	5	40	0	21.48	21.52	21.47	21.47					
OPRSK	5	60	0	21.21	21.51	21.40	21.45					
16QAM	1	0	0	21.25	21.35	21.35	21.35	23	0			
16QAM	1	20	0	21.24	21.34	21.32	21.34					
16QAM	1	40	0	21.24	21.34	21.32	21.33					
16QAM	1	60	0	21.24	21.41	21.32	21.32					
16QAM	5	12	0	21.17	21.23	21.21	21.21	22.5	0.5			
16QAM	5	24	0	21.20	21.27	21.18	21.20					
16QAM	5	40	0	21.22	21.36	21.30	21.27					
16QAM	5	60	0	21.17	21.34	21.27	21.27					
64QAM	1	20	0	21.08	21.22	21.10	21.10	22.0	0.5			
64QAM	1	40	0	21.03	21.20	21.09	21.09					
64QAM	1	60	0	21.05	21.25	21.09	21.09					
64QAM	1	80	0	21.05	21.25	21.09	21.09					
64QAM	5	12	0	20.15	20.25	20.16	20.16	21	1.5			
64QAM	5	24	0	20.19	20.23	20.14	20.14					
64QAM	5	40	0	20.27	20.21	20.17	20.17					
64QAM	5	60	0	19.28	19.41	19.31	19.31					
256QAM	1	20	0	18.19	18.41	18.27	18.27	19.5	3.5			
256QAM	1	40	0	18.11	18.39	18.21	18.21					
256QAM	1	60	0	18.08	18.36	18.16	18.16					
256QAM	1	80	0	18.10	18.08	18.09	18.09					
256QAM	5	12	0	18.08	18.08	17.97	17.97	19.5	3.5			
256QAM	5	24	0	18.11	18.08	18.08	18.08					
256QAM	5	40	0	18.21	18.34	18.26	18.26					
256QAM	5	60	0	18.21	18.34	18.26	18.26					
Channel				2576	2580	2584	2588					
Frequency (MHz)				715	715	715	715					
OPRSK	1	0	0	21.47	21.58	21.41	21.47	23	0			
OPRSK	1	12	0	21.38	21.37	21.31	21.31					
OPRSK	1	24	0	21.42	21.43	21.33	21.43					
OPRSK	1	36	0	21.23	21.47	21.27	21.27					
OPRSK	12	7	21	21.24	21.23	21.14	21.14	23	0			
OPRSK	12	19	21	21.23	21.23	21.12	21.12					
OPRSK	12	31	21	21.41	21.46	21.30	21.30					
OPRSK	12	43	21	21.18	21.39	21.27	21.27					
16QAM	1	0	0	21.25	21.35	21.28	21.28	23	0			
16QAM	1	20	0	21.21	21.32	21.22	21.22					
16QAM	1	40	0	21.21	21.34	21.23	21.23					
16QAM	1	60	0	21.21	21.33	21.23	21.23					
16QAM	12	7	21	21.23	21.23	21.13	21.13	22.5	0.5			
16QAM	12	19	21	21.11	21.23	21.13	21.13					
16QAM	12	31	21	21.18	21.25	21.21	21.21					
16QAM	12	43	21	21.20	21.21	21.20	21.20					
64QAM	1	12	0	21.02	21.18	20.95	20.95	22.0	0.5			
64QAM	1	24	0	20.96	21.16	20.93	20.93					
64QAM	1	36	0	20.95	20.15	20.94	20.94					
64QAM	1	48	0	20.95	20.15	20.94	20.94					
64QAM	12	7	21	20.05	20.19	20.04	20.04	21	1.5			
64QAM	12	19	21	20.06	20.12	20.05	20.05					
64QAM	12	31	21	20.12	20.11	20.07	20.07					
64QAM	12	43	21	19.99	20.11	20.07	20.07					
256QAM	1	0	0	18.22	18.31	18.24	18.24	19.5	3.5			
256QAM	1	12	18.07	18.24	18.14	18.14	18.14					
256QAM	1	24	18.07	18.07	18.07	18.07	18.07					
256QAM	1	36	18.07	18.07	18.07	18.07	18.07					
256QAM	12	0	0	18.02	18.12	18.02	18.02	19.5	3.5			
256QAM	12	7	18.03	18.02	18.02	18.02	18.02					
256QAM	12	19	18.03	18.01	18.02	18.01	18.01					
256QAM	12	31	18.01	18.11	18.02	18.10	18.10					



Band 25 Default Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turnup Init. (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.00	21.11	21.06			22	0		
20	QPSK	1	49	20.83	20.92	20.87						
20	QPSK	50	0	20.92	21.00	20.96			22	0		
20	QPSK	50	24	20.84	20.94	20.89						
20	QPSK	50	50	20.76	20.87	20.80			22	0		
20	16QAM	100	0	20.89	21.02	20.94						
20	16QAM	1	0	20.87	21.00	20.93			22	0		
20	16QAM	1	49	20.83	20.89	20.86						
20	16QAM	1	99	20.78	20.85	20.80			22	0		
20	16QAM	50	0	20.84	21.00	20.94						
20	16QAM	50	24	20.77	20.90	20.81			22	0		
20	16QAM	50	50	20.74	20.79	20.75						
20	16QAM	100	0	20.86	20.95	20.92			22	0		
20	64QAM	1	0	20.88	21.07	20.97						
20	64QAM	1	49	20.92	20.97	20.89			22	0		
20	64QAM	1	99	20.88	20.89	20.80						
20	64QAM	50	0	20.89	21.01	20.89			22	0		
20	64QAM	50	24	20.81	20.89	20.84						
20	64QAM	50	50	20.70	20.78	20.74			22	0		
20	64QAM	100	0	20.86	20.95	20.92						
20	256QAM	1	0	17.80	18.07	17.88			19	3		
20	256QAM	1	49	17.82	18.07	17.88						
20	256QAM	1	99	17.77	17.84	17.77			19	3		
20	256QAM	50	0	17.86	17.95	17.84						
20	256QAM	50	24	17.80	17.85	17.84			19	3		
20	256QAM	50	50	17.71	17.82	17.78						
20	256QAM	100	0	17.82	17.85	17.80			20	4		
Channel												
Frequency (MHz)												
18	QPSK	1	0	18.07	18.00	18.07					22	0
18	QPSK	1	37	20.75	20.81	20.79						
18	QPSK	1	74	20.75	20.84	20.78			22	0		
18	QPSK	36	0	20.83	20.94	20.91						
18	QPSK	36	25	20.80	20.77	20.77			22	0		
18	QPSK	36	39	20.62	20.70	20.74						
18	QPSK	75	0	20.62	20.98	20.88			22	0		
18	16QAM	1	0	20.80	20.88	20.88						
18	16QAM	1	37	20.77	20.83	20.79			22	0		
18	16QAM	1	74	20.80	20.88	20.88						
18	16QAM	36	0	20.71	20.98	20.71			22	0		
18	16QAM	36	25	20.71	20.86	20.74						
18	16QAM	36	39	20.67	20.80	20.74			22	0		
18	16QAM	75	0	20.78	20.81	20.81						
18	64QAM	1	0	20.83	21.06	20.88			22	0		
18	64QAM	1	37	20.86	20.89	20.77						
18	64QAM	1	74	20.74	20.85	20.70			22	0		
18	64QAM	36	0	20.76	20.86	20.75						
18	64QAM	36	25	20.76	20.86	20.74			22	0		
18	64QAM	36	39	20.62	20.81	20.80						
18	64QAM	75	0	20.77	20.81	20.88			22	0		
18	256QAM	1	0	17.80	17.86	17.80						
18	256QAM	1	37	17.88	18.03	17.78			19	3		
18	256QAM	1	74	17.83	17.71	17.73						
18	256QAM	36	0	17.86	17.85	17.85			19	3		
18	256QAM	36	25	17.69	17.78	17.77						
18	256QAM	36	39	17.66	17.78	17.67			19	3		
18	256QAM	75	0	17.78	17.80	17.80						
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.80	21.02	20.93			22	0		
20	QPSK	1	25	20.78	20.93	20.88						
20	QPSK	1	49	20.78	20.80	20.73			22	0		
20	QPSK	25	0	21.02	20.98	21.00						
20	QPSK	25	12	20.77	20.77	20.76			22	0		
20	QPSK	25	25	20.63	20.78	20.73						
20	QPSK	50	0	20.79	20.88	20.88			22	0		
20	QPSK	50	24	20.75	20.80	20.78						
20	16QAM	1	0	20.80	20.97	20.82			22	0		
20	16QAM	1	24	20.74	20.76	20.79						
20	16QAM	1	49	20.76	20.77	20.78			22	0		
20	16QAM	1	74	20.75	20.76	20.78						
20	16QAM	25	0	20.77	20.91	20.79			22	0		
20	16QAM	25	12	20.68	20.86	20.74						
20	16QAM	36	0	20.67	20.84	20.82			22	0		
20	16QAM	36	24	20.67	20.84	20.82						
20	16QAM	50	0	20.76	20.81	20.80			22	0		
20	16QAM	50	1	20.89	21.00	20.93						
20	64QAM	1	0	20.77	20.85	20.77			22	0		
20	64QAM	1	24	20.77	20.85	20.77						
20	64QAM	1	49	20.84	20.80	20.89			22	0		
20	64QAM	25	0	20.79	20.88	20.74						
20	64QAM	25	12	20.68	20.80	20.77			22	0		
20	64QAM	25	25	20.65	20.86	20.82						
20	64QAM	50	0	20.71	20.91	20.86			22	0		
20	256QAM	1	0	17.82	18.03	17.77						
20	256QAM	1	25	17.88	17.99	17.74			19	3		
20	256QAM	1	49	17.71	17.75	17.65						
20	256QAM	25	0	17.80	17.85	17.85			19	3		
20	256QAM	25	12	17.74	17.71	17.77						
20	256QAM	25	25	17.64	17.74	17.74			19	3		
20	256QAM	50	0	17.82	17.86	17.79						
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.94	21.00	21.01			22	0		
5	QPSK	1	12	20.80	20.84	20.89						
5	QPSK	1	24	20.69	20.81	20.80			22	0		
5	QPSK	12	0	20.78	20.84	20.86						
5	QPSK	12	7	20.73	20.83	20.74			22	0		
5	QPSK	12	13	20.64	20.80	20.74						
5	QPSK	25	0	20.81	20.92	20.90			22	0		
5	QPSK	25	7	20.73	20.82	20.75						
5	16QAM	1	0	20.73	20.92	20.82			22	0		
5	16QAM	1	12	20.73	20.81	20.75						
5	16QAM	1	24	20.68	20.74	20.76			22	0		
5	16QAM	12	0	20.77	20.90	20.86						
5	16QAM	12	7	20.72	20.78	20.72			22	0		
5	16QAM	12	13	20.64	20.74	20.67						
5	16QAM	25	0	20.69	20.84	20.83			22	0		
5	16QAM	25	0	20.85	21.04	20.91						
5	64QAM	1	0	20.85	20.88	20.81			22	0		
5	64QAM	1	24	20.77	20.79	20.89						
5	64QAM	12	0	20.75	20.92	20.84			22	0		
5	64QAM	12	7	20.77	20.74	20.79						
5	64QAM	12	13	20.59	20.65	20.83			22	0		
5	64QAM	25	0	20.74	20.84	20.86						
5	256QAM	1	0	17.77	18.03	17.77			19	3		
5	256QAM	1	12	17.81	18.02	17.74						
5	256QAM	1	24	17.73	17.79	17.69			19	3		
5	256QAM	12	0	17.76	17.87	17.75						
5	256QAM	12	7	17.70	17.71	17.71			19	3		
5	256QAM	12	13	17.62	17.70	17.74						
5	256QAM	25	0	17.83	18.04	17.83			20	4		
5	256QAM	25	0	17.82	17.93	17.83						
Channel												
Frequency (MHz)												
3	QPSK	1	0	20.96	20.99	20.98			22	0		
3	QPSK	1	12	20.80	20.84	20.89						
3	QPSK	1	24	20.69	20.81	20.80			22	0		
3	QPSK	12	0	20.78	20.84	20.86						
3	QPSK	12	7	20.73	20.83	20.74			22	0		
3	QPSK	12	13	20.64	20.80	20.74						
3	QPSK	25	0	20.81	21.02	20.91			22	0		
3	QPSK	25	7	20.73	20.82	20.75						
3	16QAM	1	0	20.69	20.79	20.79			22	0		
3	16QAM	1	8	20.78	20.84	20.80						
3	16QAM	1	14	20.65	20.79	20.72			22	0		
3	16QAM	8	0	20.76	20.82	20.78						
3	16QAM	8	7	20.60	20.69	20.81			22	0		
3	16QAM	8	14	20.58	20.79	20.72						
3	16QAM	1	0	20.81	20.84	20.83			22	0		
3	16QAM	1	8	20.78	20.80	20.78						
3	16QAM	1	14	20.75	20.78	20.78			22	0		
3	16QAM	8	0	20.75	20.86	20.79						
3	16QAM	8	7	20.61	20.78	20.73			22	0		
3	16QAM	8	14	20.54	20.73	20.67						
3	64QAM	1	0	20.81	20.88	20.88			22	0		
3	64QAM	1	8	20.76	20.86	20.80						
3	64QAM	1	14	20.71	20.78	20.73			22	0		
3	64QAM	8	0	20.76	20.86	20.80						
3	64QAM	8	7	20.61	20.78	20.73			22	0		
3	64QAM	8	14	20.54	20.73	20.67						
3	256QAM	1	0	17.81	17.96	17.83			19	3		
3	256QAM	1	8	17.71	17.69	17.63						
3	256QAM	1	14	17.63	17.73	17.63			19	3		
3	256QAM	8	0	17.74	17.73	17.74						
3	256QAM	8	7	17.65	17.73	17.68			19	3		
3	256QAM	8	14	17.60	17.62	17.63						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	20.81	21.00	21.00			22	0		
1.4	QPSK	1	8	20.80	20.85	20.88						



Band 66 Default Ant 1														
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq. 180072	Power Middle Ch./Freq. 180332	Power High Ch./Freq. 180592	Tune-up Int. (mHz)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.03	21.12	20.97	22	0						
20	QPSK	1	49	20.91	21.03	20.96								
20	QPSK	1	99	20.86	20.90	20.79								
20	QPSK	50	0	20.87	21.07	20.96								
20	QPSK	50	24	20.83	20.98	20.84	22	0						
20	QPSK	50	50	20.80	20.87	20.88								
20	QPSK	100	0	20.84	20.95	20.82								
20	16QAM	1	0	20.90	20.92	20.87								
20	16QAM	1	49	20.74	20.80	20.78	22	0						
20	16QAM	1	99	20.78	20.82	20.73								
20	16QAM	50	0	20.71	20.87	20.79								
20	16QAM	50	24	20.64	20.69	20.65								
20	16QAM	50	50	20.63	20.69	20.69	22	0						
20	16QAM	100	0	20.63	20.69	20.65								
20	64QAM	1	0	20.81	20.90	20.74								
20	64QAM	1	49	20.75	20.80	20.77								
20	64QAM	1	99	20.65	20.69	20.68	22	0						
20	64QAM	50	0	20.61	20.70	20.69								
20	64QAM	50	24	20.59	20.70	20.64								
20	64QAM	50	50	20.58	20.60	20.49								
20	256QAM	100	0	20.74	20.83	20.82	19	3						
20	256QAM	1	0	17.89	18.10	17.85								
20	256QAM	1	49	17.93	18.10	17.95								
20	256QAM	1	99	17.79	17.80	17.85								
20	256QAM	50	0	17.60	17.75	17.63	19	3						
20	256QAM	50	24	17.60	17.58	17.52								
20	256QAM	50	50	17.47	17.58	17.47								
20	256QAM	100	0	17.78	17.80	17.80								
Channel														
Frequency (MHz)														
15	QPSK	1	0	20.92	21.07	20.92	22	0						
15	QPSK	1	37	20.78	20.90	20.79								
15	QPSK	1	74	20.77	20.76	20.71								
15	QPSK	36	0	20.78	21.01	20.83								
15	QPSK	36	20	20.75	20.79	20.79	22	0						
15	QPSK	36	39	20.67	20.63	20.79								
15	QPSK	75	0	20.74	20.82	20.77								
15	16QAM	1	0	20.81	20.83	20.75								
15	16QAM	1	37	20.63	20.63	20.77	22	0						
15	16QAM	1	74	20.69	20.69	20.68								
15	16QAM	36	0	20.69	20.74	20.64								
15	16QAM	36	20	20.54	20.54	20.51								
15	16QAM	36	20	20.59	20.59	20.59	22	0						
15	16QAM	75	0	20.75	20.88	20.70								
15	64QAM	1	0	20.71	20.80	20.69								
15	64QAM	1	37	20.61	20.69	20.69								
15	64QAM	1	74	20.54	20.55	20.55	22	0						
15	64QAM	36	0	20.56	20.70	20.62								
15	64QAM	36	20	20.53	20.62	20.48								
15	64QAM	36	39	20.48	20.52	20.38								
15	64QAM	75	0	20.67	20.69	20.68	19	3						
15	256QAM	1	0	17.75	17.85	17.81								
15	256QAM	1	37	17.78	18.02	17.83								
15	256QAM	1	74	17.85	17.85	17.81								
15	256QAM	36	0	17.46	17.70	17.62	19	3						
15	256QAM	36	20	17.47	17.53	17.41								
15	256QAM	36	39	17.37	17.50	17.33								
15	256QAM	75	0	17.44	17.81	17.74								
Channel														
Frequency (MHz)														
10	QPSK	1	0	20.54	21.01	20.74	22	0						
10	QPSK	1	25	20.83	20.89	20.71								
10	QPSK	1	49	20.82	20.78	20.72								
10	QPSK	75	0	20.76	20.82	20.68								
10	QPSK	25	12	20.68	20.78	20.79	22	0						
10	QPSK	25	25	20.76	20.81	20.74								
10	QPSK	50	0	20.74	20.81	20.74								
10	16QAM	1	0	20.81	20.83	20.74								
10	16QAM	1	25	20.66	20.75	20.64	22	0						
10	16QAM	1	49	20.51	20.55	20.58								
10	16QAM	25	0	20.47	20.71	20.57								
10	16QAM	25	12	20.48	20.46	20.43								
10	16QAM	25	25	20.47	20.46	20.45	22	0						
10	16QAM	50	0	20.67	20.79	20.75								
10	256QAM	1	0	17.68	17.67	17.62								
10	256QAM	1	25	17.88	17.95	17.87								
10	256QAM	1	49	17.65	17.75	17.79	22	0						
10	256QAM	25	0	17.53	17.63	17.59								
10	256QAM	25	12	17.57	17.52	17.45								
10	256QAM	25	25	17.36	17.46	17.43								
10	256QAM	50	0	17.65	17.65	17.78	19	3						
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.51	20.82	20.45					22	0		
5	QPSK	1	12	20.85	20.50	20.79								
5	QPSK	1	24	20.80	20.62	20.68								
5	QPSK	12	0	20.75	20.36	20.63								
5	QPSK	12	7	20.76	20.70	20.71	22	0						
5	QPSK	12	13	20.67	20.60	20.79								
5	QPSK	25	0	20.73	20.81	20.67								
5	16QAM	1	0	20.81	20.80	20.76								
5	16QAM	1	12	20.64	20.73	20.75	22	0						
5	16QAM	1	24	20.75	20.73	20.60								
5	16QAM	12	0	20.67	20.70	20.84								
5	16QAM	12	7	20.58	20.57	20.60								
5	16QAM	12	13	20.50	20.52	20.54	22	0						
5	16QAM	25	0	20.76	20.88	20.69								
5	64QAM	1	0	20.70	20.83	20.66								
5	64QAM	1	12	20.65	20.77	20.64								
5	64QAM	1	24	20.62	20.54	20.61	22	0						
5	64QAM	12	0	20.53	20.67	20.60								
5	64QAM	12	7	20.48	20.50	20.49								
5	64QAM	12	13	20.50	20.53	20.39								
5	64QAM	25	0	20.70	20.77	20.70	22	0						
5	256QAM	1	0	17.82	18.00	17.83								
5	256QAM	1	12	17.80	17.98	17.82								
5	256QAM	1	24	17.70	17.85	17.71								
5	256QAM	12	0	17.65	17.49	17.60	19	3						
5	256QAM	12	7	17.54	17.50	17.47								
5	256QAM	12	13	17.39	17.51	17.44	19	3						
5	256QAM	25	0	17.64	17.78	17.75								
Channel														
Frequency (MHz)														
3	QPSK	1	0	20.91	21.14	20.96	22	0						
3	QPSK	1	12	20.85	20.50	20.79								
3	QPSK	1	24	20.80	20.62	20.68								
3	QPSK	12	0	20.75	20.36	20.63								
3	QPSK	12	7	20.76	20.70	20.71	22	0						
3	QPSK	12	13	20.67	20.60	20.79								
3	QPSK	25	0	20.73	20.81	20.67								
3	16QAM	1	0	20.81	20.80	20.76								
3	16QAM	1	12	20.64	20.73	20.75	22	0						
3	16QAM	1	24	20.75	20.73	20.60								
3	16QAM	12	0	20.67	20.70	20.84								
3	16QAM	12	7	20.58	20.57	20.60								
3	16QAM	12	13	20.50	20.52	20.54	22	0						
3	16QAM	25	0	20.76	20.88	20.69								
3	64QAM	1	0	20.70	20.83	20.66								
3	64QAM	1	12	20.65	20.77	20.64								
3	64QAM	1	24	20.62	20.54	20.61	22	0						
3	64QAM	12	0	20.53	20.67	20.60								
3	64QAM	12	7	20.48	20.50	20.49								
3	64QAM	12	13	20.50	20.53	20.39								
3	64QAM	25	0	20.70	20.77	20.70	22	0						
3	256QAM	1	0	17.82	18.00	17.83								
3	256QAM	1	12	17.80	17.98	17.82								
3	256QAM	1	24	17.70	17.85	17.71								
3	256QAM	12	0	17.65	17.49	17.60	19	3						
3	256QAM	12	7	17.54	17.50	17.47								
3	256QAM	12	13	17.39	17.51	17.44	19	3						
3	256QAM	25	0	17.64	17.78	17.75								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	20.93	21.03	20.94	22	0						
1.4	QPSK	1	12	20.87	20.91	20.86								
1.4	QPSK	1	24	20.81	20.86	20.81								
1.4	QPSK	1	36	20.81	20.78	20.67								
1.4	QPSK	1	48	20.75	20.80	20.66	22	0						
1.4	QPSK	1	60	20.68	20.74	20.62								
1.4	QPSK	3	0	20.69	20.82	20.65								
1.4	QPSK	3	8	20.69	20.84	20.78								
1.4	16QAM	1	0	20.87	20.82	20.78	22	0						
1.4	16QAM	1	8	20.63	20.74	20.73								
1.4	16QAM	1	14	20.70	20.68	20.67								
1.4	16QAM	1	18	20.68	20.67	20.66								
1.4	16QAM	1	4	20.55	20.63	20.58	22	0						
1.4	16QAM	8	0	20.55	20.61	20.55								
1.4	16QAM	8	7	20.59	20.61	20.55								
1.4	16QAM	8	14	20.58	20.64	20.57								
1.4	16QAM	1	0	20.69	20.82	20.64	22	0						
1.4	16QAM	1	8	20.64	20.72	20.64								
1.4	16QAM	1	14	20.63	20.67	20.66								
1.4	16QAM	1	18	20.48	20.56	20.54								
1.4	16QAM	8	0	20.45	20.61	20.49	22	0						
1.4	16QAM	8	7	20.49	20.53	20.43								
1.4	16QAM	8	14	20.51	20.57	20.49								
1.4	16QAM	8	18	20.71	20.71	20.70								
1.4	16QAM	1	0	17.84	18.04	17.84	22	0						
1.4	16QAM	1	8	17.83	18.04	17.83								
1.4	16QAM	1	14	17.74	17.86	17.78								
1.4	16QAM	1	18	17.67	17.82	17.73								
1.4	16QAM	8	0	17.45	17.47	17.48	19	3						
1.4	16QAM	8	7	17.36	17.45	17.38								
1.4	16QAM	8	14	17.47	17.48	17.47								
1.4	16QAM	8	18	17.66	17.83	17.68								
1.4	256QAM	3	0	17.82	18.02	17.81	19	3						
1.4	256QAM	3	8	17.66	17.75	17.69								
1.4	256QAM	3	14	17.65	17.68	17.64								
1.4	256QAM	3												

Band 38 Default Ant 1									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Co-Freq [dBm]	Power High Co-Freq [dBm]	Power Low Pwr-Freq [dBm]	Power High Pwr-Freq [dBm]	Turn-up test (dBm)	MPE (dB)
Channel									
Frequency (MHz)				31600	36000	38100			
20	QPSK	1	0	22.29	22.29	22.29			
20	QPSK	1	49	22.32	22.32	22.32		23	0
20	QPSK	1	99	22.25	22.29	22.29			
20	QPSK	50	24	22.24	22.28	22.28			
20	QPSK	50	50	22.24	22.28	22.28			0
20	QPSK	100	50	22.24	22.28	22.28			
20	16QAM	1	0	22.35	22.31	22.39			
20	16QAM	1	99	22.27	22.32	22.32		23	0
20	16QAM	50	50	22.27	22.32	22.32			
20	16QAM	50	50	21.97	22.14	21.95			
20	16QAM	100	50	21.98	22.08	21.93			
20	16QAM	50	50	21.88	21.92	21.87		23	0
20	16QAM	100	0	21.95	22.09	21.99			
20	64QAM	1	0	22.24	22.24	22.24			
20	64QAM	1	49	22.28	22.38	22.28		23	0
20	64QAM	1	99	22.16	22.24	22.22			
20	64QAM	50	24	22.13	22.17	22.17			
20	64QAM	50	50	21.99	22.03	21.99			
20	64QAM	100	50	21.99	22.03	21.95			0.5
20	64QAM	100	0	21.91	22.05	21.95			
20	256QAM	1	0	18.83	19.00	18.83			
20	256QAM	1	49	18.78	18.90	18.78		20.5	2.5
20	256QAM	1	99	18.76	18.77	18.78			
20	256QAM	50	50	18.86	18.96	18.87			
20	256QAM	50	50	18.86	18.96	18.86			
20	256QAM	100	50	18.89	18.95	18.84			0.5
20	256QAM	100	0	18.79	18.93	18.89			
Channel									
Frequency (MHz)				31610	36000	38110			
15	QPSK	1	0	22.17	22.17	22.17			
15	QPSK	1	37	22.19	22.23	22.23			
15	QPSK	1	74	22.12	22.20	22.21			
15	QPSK	50	24	22.17	22.22	22.24			
15	QPSK	50	50	22.14	22.22	22.21			
15	QPSK	75	0	22.15	22.20	22.24			
15	QPSK	75	0	22.15	22.20	22.21			
15	16QAM	1	0	22.26	22.30	22.27			
15	16QAM	1	37	22.28	22.32	22.29			
15	16QAM	1	74	22.15	22.25	22.25			
15	16QAM	50	50	21.94	22.08	21.92			
15	16QAM	50	50	21.93	22.07	21.86			
15	16QAM	36	20	21.78	21.84	21.86		23	0
15	16QAM	75	0	21.81	22.00	21.94			
15	64QAM	1	0	22.17	22.17	22.17			
15	64QAM	1	37	22.17	22.20	22.23		23	0
15	64QAM	1	74	22.11	22.19	22.19			
15	64QAM	50	0	21.85	21.90	21.87			
15	64QAM	36	20	21.83	21.82	21.78			
15	64QAM	75	0	21.83	21.81	21.81			0.5
15	64QAM	76	0	21.82	21.81	21.78			
15	256QAM	1	0	18.77	18.90	18.81			
15	256QAM	1	37	18.79	18.87	18.79		20.5	2.5

Band 41 FCC&C Ant 1												
RF [MHz]	Modulation	RIS Size	RIS Offset	Power Low Ch. [mW]	Power Low Mid. [mW]	Power Mid. [mW]	Power High Mid. [mW]	Power High Ch. [mW]	Turn-up time (s)	MFR (dB)		
Channel												
Frequency (MHz)				39750	40185	40600	40985	41400				
20	QPSK	1	0	23.87	23.87	23.87	23.87	23.87				
20	QPSK	1	49	23.55	23.62	23.65	23.51	23.52			24	0
20	QPSK	1	99	23.48	23.56	23.59	23.50	23.48				
20	QPSK	1	149	23.28	23.28	23.28	23.28	23.28				
20	QPSK	20	24	22.50	22.51	22.64	22.54	22.47			23	1
20	QPSK	50	50	22.50	22.42	22.54	22.50	22.47				
20	QPSK	100	100	22.50	22.58	22.58	22.58	22.58				
20	16QAM	1	0	22.80	22.87	22.88	22.79	22.77				
20	16QAM	1	49	22.69	22.69	22.69	22.69	22.72			23	1
20	16QAM	1	99	22.67	22.58	22.75	22.64	22.64				
20	16QAM	50	5	21.67	21.69	21.80	21.63	21.77				
20	16QAM	100	100	21.64	21.64	21.64	21.64	21.68				
20	16QAM	50	50	21.44	21.56	21.55	21.55	21.48			22	2
20	16QAM	100	0	21.69	21.69	21.80	21.74	21.77				
20	16QAM	1	149	21.78	21.78	21.78	21.78	21.80				
20	16QAM	1	449	21.72	21.74	21.89	21.69	21.67			22	2
20	16QAM	1	99	21.50	21.60	21.64	21.67	21.47				
20	16QAM	50	50	20.46	20.46	20.51	20.48	20.70				
20	16QAM	100	24	20.46	20.38	20.59	20.51	20.41			21	3
20	16QAM	1	149	20.50	20.50	20.49	20.50	20.50				
20	16QAM	1	0	20.68	20.67	20.70	20.70	20.59				
20	25QAM	1	0	18.82	18.49	18.70	18.50	18.50				
20	25QAM	1	49	18.54	18.47	18.70	18.50	18.50			19	5
20	25QAM	1	99	18.43	18.43	18.53	18.51	18.38				
20	25QAM	50	0	17.76	18.07	18.83	18.70	18.74				
20	25QAM	100	0	18.11	18.59	18.88	18.88	18.82			19	5
20	25QAM	1	149	18.51	18.53	18.61	18.62	18.59				
20	25QAM	100	100	18.30	18.30	18.30	18.30	18.30				
Channel												
Frequency (MHz)				39754	40173	40600	40988	41515	Turn-up time (s)	MFR (dB)		
20	QPSK	1	0	23.33	23.43	23.43	23.33	23.43				
20	QPSK	1	37	23.35	23.42	23.45	23.31	23.32			24	00
20	QPSK	1	74	23.38	23.36	23.39	23.39	23.26				
20	QPSK	1	111	23.38	23.38	23.37	23.42	23.48				
20	QPSK	1	149	23.38	23.38	23.37	23.42	23.48				
20	QPSK	16	20	22.30	22.31	22.44	22.34	22.27				
20	QPSK	1	0	22.30	22.22	22.22	22.22	22.27				
20	QPSK	1	49	22.45	22.38	22.49	22.38	22.39				
20	16QAM	1	0	22.60	22.47	22.68	22.59	22.47				
20	16QAM	1	49	22.48	22.48	22.48	22.48	22.52				
20	16QAM	1	74	22.47	22.38	22.52	22.42	22.44				
20	16QAM	56	0	21.47	21.49	21.60	21.43	21.57				
20	16QAM	1	149	21.41	21.41	21.41	21.43	21.48				
20	16QAM	56	39	21.25	21.35	21.46	21.31	21.25			22	2
20	16QAM	1	99	21.49	21.48	21.70	21.54	21.57				
20	16QAM	1	149	21.59	21.58	21.78	21.58	21.60				
20	16QAM	1	37	21.52	21.54	21.49	21.44	21.47			22	2
20	16QAM	1	149	21.50	21.50	21.50	21.50	21.50				
20	16QAM	56	39	20.46	20.46	20.54	20.43	20.50				
20	16QAM	1	99	20.50	20.48	20.50	20.49	20.50				
20	16QAM	56	20	20.46	20.38	20.46	20.41	20.21			21	3
20	16QAM	1	149	20.30	20.30	20.30	20.30	20.30				
20	16QAM	56	0	20.48	20.47	20.50	20.50	20.39				
20	25QAM	1	0	18.42	18.29	18.50	18.30	18.48				
20	25QAM	1	49	18.44	18.27	18.50	18.48	18.36				
20	25QAM	1	74	18.23	18.23	18.33	18.31	18.18			19	5
20	25QAM	1	99	18.30	18.47	18.39	18.42	18.34				
20	25QAM	1	149	18.41	18.38	18.48	18.48	18.42				
20	25QAM	56	39	18.31	18.33	18.41	18.43	18.39			19	5
20	25QAM	1	99	18.37	18.35	18.45	18.45	18.33				
Channel												
Frequency (MHz)				39750	40170	40600	40988	41540	Turn-up time (s)	MFR (dB)		
20	QPSK	1	0	23.33	23.43	23.43	23.33	23.43				
20	QPSK	1	29	23.43	23.54	23.57	23.36	23.42			24	00
20	QPSK	1	49	23.41	23.45	23.49	23.41	23.37				
20	QPSK	1	69	23.53	23.53	23.53	23.48	23.53				
20	QPSK	25	12	22.48	22.40	22.58	22.48	22.44			23	1
20	QPSK	1	149	22.33	22.37	22.37	22.37	22.40				
20	QPSK	10	0	22.48	22.44	22.65	22.48	22.52				
20	16QAM	1	0	22.69	22.53	22.73	22.61	22.54				
20	16QAM	1	49	22.59	22.66	22.66	22.66	22.64			23	1
20	16QAM	1	49	22.63	22.54	22.65	22.48	22.57				
20	16QAM	25	0	21.69	21.69	21.72	21.48	21.67				
20	16QAM	1	149	21.57	21.56	21.56	21.56	21.57			22	2
20	16QAM	25	20	21.39	21.47	21.59	21.42	21.36				
20	16QAM	1	149	21.69	21.54	21.69	21.54	21.70				
20	16QAM	1	0	21.75	21.60	21.70	21.73	21.81				
20	16QAM	1	29	21.68	21.69	21.69	21.69	21.69			22	2
20	16QAM	1	149	21.52	21.51	21.51	21.51	21.47				
20	16QAM	25	0	20.56	20.55	20.76	20.55	20.59				
20	16QAM	25	12	20.42	20.56	20.52	20.46	20.50			21	3
20	16QAM	10	0	20.39	20.42	20.42	20.42	20.42				
20	16QAM	50	0	20.49	20.52	20.67	20.57	20.47				
20	25QAM	1	0	18.46	18.40	18.54	18.46	18.40			19	5
20	25QAM	1	49	18.35	18.29	18.50	18.48	18.30				
20	25QAM	1	99	18.52	18.52	18.52	18.52	18.50				
20	25QAM	1	149	18.49	18.48	18.60	18.58	18.52			19	5
20	25QAM	25	20	18.42	18.40	18.51	18.51	18.49				
20	25QAM	100	100	18.37	18.35	18.35	18.35	18.35				
Channel												
Frequency (MHz)				39675	40148	40600	40988	41565	Turn-up time (s)	MFR (dB)		
5	QPSK	1	0	23.36	23.46	23.46	23.36	23.46				
5	QPSK	1	124	23.50	23.51	23.51	23.45	23.47			24	00
5	QPSK	12	24	22.42	22.43	22.48	22.42	22.45				
5	QPSK	12	7	22.47	22.41	22.48	22.50	22.47				
5	QPSK	12	7	22.38	22.48	22.60	22.41	22.34			23	1
5	QPSK	1	0	22.57	22.59	22.62	22.57	22.57				
5	QPSK	25	0	22.54	22.52	22.62	22.47	22.52				
5	QPSK	1	0	22.66	22.57	22.64	22.62	22.62				
5	16QAM	1	0	22.37	22.37	22.42	22.37	22.37			23	1
5	16QAM	1	24	22.57	22.52	22.62	22.59	22.58				
5	16QAM	12	0	21.60	21.49	21.57	21.53	21.66				
5	16QAM	12	13	21.35	21.43	21.52	21.42	21.39			22	2
5	16QAM	1	0	21.59	21.54	21.54	21.54	21.62				
5	16QAM	1	0	21.75	21.63	21.75	21.61	21.71				
5	16QAM	1	12	21.62	21.59	21.63	21.61	21.61			22	2
5	16QAM	1	144	21.44	21.37	21.47	21.37	21.49				
5	16QAM	25	13	20.48	20.49	20.53	20.48	20.49			21	3
5	16QAM	25	0	20.68	20.62	20.55	20.67	20.59				
5	25QAM	1	0	18.50	18.40	18.50	18.40	18.48			19	5
5	25QAM	1	124	18.35	18.37	18.50	18.43	18.29				
5	25QAM	1	144	18.44	18.53	18.48	18.48	18.48				
5	25QAM	12	7	18.50	18.45	18.61	18.51	18.58				
5	25QAM	12	13	18.37	18.49	18.53	18.50	18.48				
5	25QAM	12	0	18.47	18.47	18.61	18.51	18.53				



Band 41 PC2 FCC&IC Ant 1														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power High-Mid Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel														
Frequency (MHz)														
20	QPSK	1	0	25.50	25.47	25.54	25.41	25.55	27	0				
20	QPSK	1	48	25.33	25.40	25.58	25.35	25.53						
20	QPSK	1	96	25.29	25.33	25.51	25.31	25.41						
20	QPSK	50	0	25.53	25.30	25.49	25.29	25.37						
20	QPSK	50	24	25.27	25.29	25.46	25.27	25.33	27	0				
20	QPSK	50	48	25.18	25.22	25.40	25.18	25.28						
20	QPSK	100	0	25.19	25.19	25.36	25.22	25.28						
20	16QAM	1	0	25.18	25.28	25.42	25.23	25.34						
20	16QAM	50	24	24.30	24.26	24.50	24.27	24.42	27	0				
20	16QAM	1	96	25.18	25.13	25.35	25.12	25.27						
20	16QAM	50	0	24.29	24.40	24.53	24.24	24.44						
20	16QAM	50	50	24.21	24.24	24.46	24.26	24.39						
20	16QAM	100	0	24.25	24.23	24.42	24.19	24.26	26	1				
20	64QAM	1	0	24.52	24.52	24.45	24.19	24.29						
20	64QAM	1	48	24.25	24.62	24.74	24.54	24.66						
20	64QAM	50	0	23.37	23.35	23.56	23.39	23.46						
20	64QAM	50	24	23.33	23.33	23.53	23.31	23.45	25	2				
20	64QAM	50	50	23.35	23.25	23.49	23.33	23.44						
20	64QAM	100	0	23.23	23.29	23.44	23.31	23.33						
20	256QAM	1	0	21.81	21.49	21.88	21.44	21.88						
20	256QAM	1	48	21.43	21.41	21.81	21.42	21.82	23	4				
20	256QAM	1	96	21.30	21.36	21.55	21.41	21.51						
20	256QAM	50	0	21.27	21.23	21.46	21.24	21.39						
20	256QAM	50	24	21.27	21.23	21.46	21.24	21.39						
20	256QAM	50	50	21.23	21.26	21.41	21.26	21.35	23	4				
20	256QAM	100	0	21.10	21.12	21.34	21.13	21.24						
Channel														
Frequency (MHz)														
15	QPSK	1	0	24.47	24.39	24.51	24.33	24.53				27.00	0	
15	QPSK	1	37	24.29	24.33	24.46	24.29	24.48						
15	QPSK	1	74	24.15	24.26	24.38	24.24	24.30						
15	QPSK	36	0	24.26	24.24	24.46	24.24	24.36						
15	QPSK	36	20	24.13	24.15	24.43	24.21	24.21	27	0				
15	QPSK	36	36	24.11	24.09	24.37	24.10	24.26						
15	QPSK	75	0	24.04	24.06	24.28	24.17	24.24						
15	16QAM	1	0	24.05	24.14	24.32	24.16	24.28						
15	16QAM	36	37	24.06	24.11	24.37	24.03	24.29	27	0				
15	16QAM	1	74	24.10	24.00	24.28	24.07	24.21						
15	16QAM	36	0	24.17	24.33	24.39	24.24	24.35						
15	16QAM	36	36	24.25	24.15	24.44	24.15	24.32						
15	16QAM	36	36	24.11	24.09	24.37	24.10	24.26	26	1				
15	16QAM	75	0	24.20	24.08	24.29	24.05	24.17						
15	64QAM	1	0	24.44	24.57	24.72	24.47	24.70						
15	64QAM	1	37	24.49	24.48	24.83	24.48	24.55						
15	64QAM	1	74	24.42	24.42	24.82	24.36	24.81	25	2				
15	64QAM	36	0	24.26	24.22	24.47	24.29	24.33						
15	64QAM	36	20	24.23	24.28	24.49	24.19	24.34						
15	64QAM	75	0	24.16	24.16	24.38	24.16	24.37						
15	64QAM	75	0	24.10	24.25	24.32	24.15	24.23	23	4				
15	256QAM	1	0	21.44	21.44	21.54	21.33	21.45						
15	256QAM	1	37	21.29	21.29	21.46	21.29	21.46						
15	256QAM	1	74	21.25	21.29	21.52	21.31	21.41						
15	256QAM	36	0	21.28	21.27	21.39	21.26	21.30	23	4				
15	256QAM	36	20	21.12	21.14	21.34	21.13	21.27						
15	256QAM	36	36	21.14	21.22	21.37	21.12	21.30						
15	256QAM	75	0	21.06	21.16	21.21	21.06	21.10						
Channel														
Frequency (MHz)														
10	QPSK	1	0	24.69	24.34	24.67	24.37	24.64	27.00	0				
10	QPSK	1	25	24.25	24.31	24.46	24.25	24.42						
10	QPSK	1	48	24.21	24.18	24.38	24.17	24.37						
10	QPSK	25	0	24.22	24.18	24.46	24.18	24.33						
10	QPSK	25	12	24.17	24.21	24.43	24.22	24.26	27	0				
10	QPSK	25	25	24.04	24.13	24.35	24.10	24.14						
10	QPSK	60	0	24.15	24.06	24.31	24.14	24.24						
10	16QAM	1	0	24.06	24.20	24.30	24.17	24.24						
10	16QAM	1	25	24.06	24.00	24.33	24.12	24.25	27	0				
10	16QAM	1	48	24.00	24.07	24.30	24.17	24.24						
10	16QAM	25	0	24.21	24.28	24.44	24.25	24.39						
10	16QAM	25	12	24.23	24.19	24.46	24.16	24.29						
10	16QAM	25	12	24.13	24.11	24.43	24.13	24.35	26	1				
10	16QAM	50	0	24.17	24.12	24.31	24.16	24.22						
10	64QAM	1	0	24.44	24.56	24.74	24.49	24.63						
10	64QAM	1	25	24.43	24.48	24.80	24.49	24.61						
10	64QAM	1	48	24.38	24.51	24.59	24.41	24.56	26	1				
10	64QAM	25	0	23.23	23.28	23.51	23.31	23.36						
10	64QAM	25	12	23.29	23.27	23.41	23.17	23.32						
10	64QAM	25	25	23.25	23.12	23.45	23.19	23.38						
10	64QAM	50	0	23.14	23.16	23.35	23.25	23.35	25	2				
10	256QAM	1	0	21.45	21.46	21.56	21.35	21.48						
10	256QAM	1	25	21.29	21.34	21.51	21.37	21.46						
10	256QAM	1	48	21.26	21.25	21.47	21.33	21.42						
10	256QAM	25	0	21.33	21.29	21.44	21.25	21.41	23	4				
10	256QAM	25	12	21.29	21.11	21.35	21.16	21.30						
10	256QAM	25	25	21.11	21.14	21.27	21.11	21.25						
10	256QAM	50	0	21.04	21.04	21.24	21.09	21.18						
Channel														
Frequency (MHz)														
5	QPSK	1	0	25.37	25.59	25.54	25.38	25.47	27.00	0				
5	QPSK	1	16	25.22	25.27	25.44	25.25	25.43						
5	QPSK	1	24	25.15	25.21	25.39	25.19	25.29						
5	QPSK	12	0	25.20	25.27	25.38	25.21	25.32						
5	QPSK	12	7	25.17	25.25	25.32	25.13	25.22	27	0				
5	QPSK	12	18	25.09	25.17	25.28	25.07	25.23						
5	QPSK	25	0	25.10	25.04	25.35	25.12	25.17						
5	16QAM	1	0	25.09	25.19	25.32	25.18	25.23						
5	16QAM	1	12	25.15	25.00	25.27	25.05	25.22	27	0				
5	16QAM	1	24	25.07	25.02	25.25	25.04	25.16						
5	16QAM	12	0	24.22	24.35	24.43	24.28	24.41						
5	16QAM	12	7	24.34	24.18	24.44	24.12	24.36						
5	16QAM	12	13	24.11	24.13	24.32	24.16	24.35	26	1				
5	16QAM	25	0	24.18	24.16	24.30	24.08	24.18						
5	64QAM	1	0	24.80	24.83	24.72	24.85	24.72						
5	64QAM	1	12	24.46	24.43	24.68	24.39	24.60						
5	64QAM	1	24	24.45	24.41	24.71	24.46	24.58	26	1				
5	64QAM	12	0	23.24	23.31	23.46	23.31	23.31						
5	64QAM	12	7	23.25	23.29	23.45	23.24	23.42						
5	64QAM	12	13	23.31	23.11	23.45	23.25	23.42						
5	64QAM	25	0	23.11	23.21	23.33	23.19	23.29	25	2				
5	64QAM	25	12	23.12	23.14	23.35	23.12	23.48						
5	256QAM	1	0	21.33	21.38	21.50	21.38	21.49						
5	256QAM	1	24	21.23	21.29	21.49	21.37	21.59						
5	256QAM	25	0	21.34	21.29	21.44	21.25	21.32	23	4				
5	256QAM	25	12	21.18	21.18	21.38	21.21	21.33						
5	256QAM	12	13	21.14	21.13	21.33	21.12	21.31						
5	256QAM	12	15	21.14	21.13	21.33	21.12	21.31						
5	256QAM	12	17	21.01	21.06	21.21	21.05	21.16						
5	256QAM	12	19	21.01	21.06	21.21	21.05	21.16						



CDM1000 Awp		Detail									
Tx Channel		512	861	810	Link	512	861	810	Link		
Frequency (MHz)		1893.2	1896	1899.8	(dBm)	1893.2	1896	1899.8	(dBm)		
CDM1 Tx total		28.25	28.33	28.19	29.00	19.25	19.33	19.19	20.00		
OPHS 1 Tx total		24.23	24.28	24.13	24.00	19.23	19.28	19.13	20.00		
OPHS 2 Tx total		25.46	25.53	25.40	26.00	19.46	19.53	19.40	20.00		
OPHS 3 Tx total		23.88	24.13	24.00	25.00	19.72	19.87	19.74	20.74		
OPHS 4 Tx total		21.85	22.09	21.96	23.00	19.85	19.98	19.86	20.00		
EDGE 1 Tx total		23.59	23.64	23.61	24.50	14.59	14.64	14.61	15.00		
EDGE 2 Tx total		21.85	22.03	21.92	23.00	13.59	13.63	13.52	13.60		
EDGE 3 Tx total		20.78	20.85	20.79	21.50	18.52	18.59	18.44	19.00		
EDGE 4 Tx total		18.71	18.74	18.68	19.50	15.71	15.74	15.68	16.00		
CDM1000 WCDMA II Awp											
Base		WCDMA II			Turn-up		WCDMA IV				
Tx Channel		5262	5850	5938	Link	5312	1413	1513	Link		
Rx Channel		5862	5860	5938	Link	1507	1606	1738	Link		
Frequency (MHz)		9979.2	9980	9977.8	(dBm)	9742.4	1726.6	1752.6	(dBm)		
SOPP Rel 96		18.04	19.11	19.00	20.19	21.42	21.44	21.37	22.00		
SOPP Rel 96		18.14	19.10	19.07	20.10	21.47	21.53	21.44	22.00		
SOPP Rel 6		18.14	18.10	17.95	19.10	20.57	20.66	20.52	21.00		
SOPP Rel 6		18.08	18.17	18.07	19.10	20.47	20.51	20.43	21.00		
SOPP Rel 6		17.51	17.71	17.61	18.60	19.01	20.04	19.95	21.00		
SOPP Rel 6		17.58	17.69	17.65	18.60	19.58	20.09	20.02	21.00		
SOPP Rel 6		17.80	18.27	18.05	19.10	20.58	20.78	20.59	21.00		
SOPP Rel 6		17.80	17.65	17.84	19.10	20.29	20.57	20.31	21.00		
SOPP Rel 6		17.98	17.49	17.45	18.60	19.80	19.87	19.83	21.00		
SOPP Rel 6		17.37	17.51	17.43	18.60	19.78	19.90	19.84	21.00		
SOPP Rel 6		18.16	18.22	18.26	19.10	20.49	20.65	20.60	21.00		
SOPP Rel 6		18.16	18.09	18.06	17.10	14.66	16.01	15.99	21.00		
SOPP Rel 6		17.15	17.03	17.14	18.19	19.49	19.51	19.48	20.00		
SOPP Rel 6		16.05	16.04	16.01	17.10	16.38	16.44	16.33	16.00		
SOPP Rel 6		16.04	16.10	16.03	16.10	20.46	20.53	20.49	21.00		



Band 2 DS12_Standalone Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Min Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up Time (sec)	MPR (dB)
Channel								
Frequency [MHz]								
20	QPSK	1	0	19.71	19.77	19.73	21	0
20	QPSK	1	49	19.68	19.73	19.62		
20	QPSK	1	99	19.60	19.71	19.65	21	0
20	QPSK	50	0	19.58	19.62	19.62		
20	QPSK	50	24	19.44	19.62	19.62	21	0
20	QPSK	50	50	19.48	19.59	19.41		
20	16QAM	1	0	19.58	19.62	19.60	21	0
20	16QAM	1	49	19.54	19.57	19.43		
20	16QAM	1	99	19.50	19.61	19.52	21	0
20	16QAM	50	0	19.52	19.59	19.53		
20	16QAM	50	24	19.48	19.62	19.50	21	0
20	16QAM	50	50	19.58	19.61	19.56		
20	16QAM	100	0	19.42	19.59	19.49	21	0
20	16QAM	100	24	19.42	19.59	19.49		
20	64QAM	1	0	19.45	19.59	19.51	21	0
20	64QAM	1	49	19.49	19.60	19.53		
20	64QAM	1	99	19.53	19.60	19.53	21	0
20	64QAM	50	0	19.52	19.49	19.46		
20	64QAM	50	24	19.52	19.49	19.46	21	0
20	64QAM	50	50	19.48	19.62	19.50		
20	64QAM	100	0	19.51	19.40	19.46	19	2
20	64QAM	100	24	19.51	19.40	19.46		
20	256QAM	1	49	19.05	19.20	17.99	19	2
20	256QAM	1	99	19.02	18.08	18.02		
20	256QAM	1	149	19.01	18.12	18.06	19	2
20	256QAM	50	24	17.86	17.99	17.86		
20	256QAM	50	50	17.82	17.86	17.88	19	2
20	256QAM	100	0	17.72	17.87	17.80		
20	256QAM	100	24	17.72	17.87	17.80		
20	256QAM	100	50	17.72	17.87	17.80		
Channel								
Frequency [MHz]								
15	QPSK	1	0	19.87	19.89	19.89	21	0
15	QPSK	1	49	19.83	19.88	19.83		
15	QPSK	1	74	19.48	19.68	19.59	21	0
15	QPSK	36	0	19.50	19.62	19.54		
15	QPSK	36	24	19.44	19.62	19.53	21	0
15	QPSK	36	39	19.39	19.51	19.30		
15	QPSK	75	0	19.48	19.55	19.49	21	0
15	16QAM	1	0	19.51	19.61	19.41		
15	16QAM	1	49	19.49	19.43	19.38	21	0
15	16QAM	1	74	19.48	19.62	19.50		
15	16QAM	36	0	19.44	19.43	19.46	21	0
15	16QAM	36	24	19.44	19.49	19.42		
15	16QAM	36	39	19.44	19.49	19.42	21	0
15	16QAM	75	0	19.29	19.49	19.42		
15	64QAM	1	0	19.31	19.48	19.46	21	0
15	64QAM	1	49	19.45	19.59	19.41		
15	64QAM	1	74	19.50	19.57	19.43	21	0
15	64QAM	36	0	19.44	19.44	19.36		
15	64QAM	36	24	19.49	19.62	19.42	21	0
15	64QAM	36	39	19.34	19.32	19.47		
15	64QAM	75	0	19.48	19.57	19.34	21	0
15	256QAM	1	37	19.02	19.19	17.98		
15	256QAM	1	74	17.86	17.99	17.82	19	2
15	256QAM	36	20	17.71	17.97	17.82		
15	256QAM	36	39	17.83	17.82	17.82	19	2
15	256QAM	75	0	17.77	17.82	17.86		
15	256QAM	75	0	17.77	17.82	17.86		
15	256QAM	75	0	17.77	17.82	17.86		
Channel								
Frequency [MHz]								
10	QPSK	1	0	19.65	19.69	19.65	21	0
10	QPSK	1	25	19.53	19.61	19.63		
10	QPSK	1	49	19.51	19.62	19.61	21	0
10	QPSK	25	0	19.43	19.64	19.51		
10	QPSK	25	13	19.42	19.43	19.30	21	0
10	QPSK	25	13	19.42	19.43	19.30		
10	16QAM	1	0	19.56	19.53	19.48	21	0
10	16QAM	1	25	19.44	19.45	19.31		
10	16QAM	1	49	19.51	19.62	19.41	21	0
10	16QAM	25	13	19.38	19.53	19.42		
10	16QAM	25	12	19.34	19.49	19.40	21	0
10	16QAM	25	12	19.43	19.59	19.43		
10	16QAM	50	0	19.33	19.50	19.36	21	0
10	16QAM	50	1	19.32	19.54	19.36		
10	64QAM	1	0	19.44	19.52	19.43	21	0
10	64QAM	1	49	19.38	19.56	19.41		
10	64QAM	25	0	19.44	19.38	19.41	21	0
10	64QAM	25	13	19.37	19.38	19.37		
10	64QAM	50	0	19.39	19.28	19.34	19	2
10	256QAM	1	25	17.99	18.01	17.97		
10	256QAM	1	49	17.94	18.01	17.97	19	2
10	256QAM	25	13	17.86	17.82	17.83		
10	256QAM	25	12	17.78	17.85	17.81	19	2
10	256QAM	25	12	17.78	17.85	17.81		
10	256QAM	25	12	17.78	17.85	17.81	19	2
10	256QAM	25	12	17.78	17.85	17.81		
10	256QAM	25	12	17.78	17.85	17.81		
10	256QAM	25	12	17.78	17.85	17.81		
Channel								
Frequency [MHz]								
5	QPSK	1	0	19.62	19.66	19.62	21	0
5	QPSK	1	12	19.52	19.50	19.55		
5	QPSK	1	24	19.44	19.56	19.58	21	0
5	QPSK	12	0	19.42	19.53	19.44		
5	QPSK	12	7	19.43	19.50	19.44	21	0
5	QPSK	12	13	19.42	19.46	19.38		
5	16QAM	1	0	19.45	19.62	19.42	21	0
5	16QAM	1	12	19.39	19.43	19.39		
5	16QAM	1	24	19.50	19.52	19.45	21	0
5	16QAM	12	0	19.44	19.53	19.46		
5	16QAM	12	7	19.37	19.39	19.46	21	0
5	16QAM	12	13	19.52	19.53	19.42		
5	16QAM	25	0	19.32	19.53	19.36	21	0
5	16QAM	25	0	19.37	19.54	19.41		
5	64QAM	1	0	19.42	19.49	19.34	21	0
5	64QAM	1	24	19.45	19.60	19.46		
5	64QAM	12	0	19.45	19.39	19.44	21	0
5	64QAM	12	7	19.48	19.47	19.53		
5	64QAM	25	0	19.37	19.38	19.34	21	0
5	64QAM	25	0	19.40	19.35	19.34		
5	256QAM	1	12	18.01	18.19	17.92	19	2
5	256QAM	1	24	17.93	17.96	17.91		
5	256QAM	12	0	17.82	17.86	17.88	19	2
5	256QAM	12	7	17.82	17.82	17.79		
5	256QAM	12	13	17.75	17.80	17.79	19	2
5	256QAM	12	13	17.75	17.80	17.79		
5	256QAM	12	13	17.75	17.80	17.79		
5	256QAM	12	13	17.75	17.80	17.79		
Channel								
Frequency [MHz]								
3	QPSK	1	0	19.60	19.62	19.59	21	0
3	QPSK	1	8	19.61	19.61	19.63		
3	QPSK	1	14	19.48	19.59	19.54	21	0
3	QPSK	8	4	19.47	19.53	19.54		
3	QPSK	8	4	19.44	19.49	19.36	21	0
3	QPSK	8	7	19.36	19.42	19.32		
3	16QAM	1	0	19.48	19.53	19.53	21	0
3	16QAM	1	8	19.48	19.61	19.47		
3	16QAM	1	8	19.50	19.53	19.38	21	0
3	16QAM	1	14	19.44	19.49	19.45		
3	16QAM	8	4	19.44	19.53	19.48	21	0
3	16QAM	8	4	19.51	19.63	19.43		
3	16QAM	16	0	19.33	19.47	19.43	21	0
3	16QAM	16	0	19.38	19.43	19.43		
3	64QAM	1	0	19.41	19.51	19.48	21	0
3	64QAM	1	14	19.43	19.53	19.38		
3	64QAM	8	0	19.40	19.41	19.36	21	0
3	64QAM	8	7	19.47	19.36	19.36		
3	64QAM	8	7	19.37	19.35	19.42	21	0
3	64QAM	16	0	19.00	18.12	17.99		
3	256QAM	1	8	18.00	18.13	17.99	19	2
3	256QAM	1	8	17.92	17.97	17.94		
3	256QAM	8	4	17.78	17.82	17.76	19	2
3	256QAM	8	7	17.82	17.80	17.86		
3	256QAM	16	0	17.76	17.77	17.82	19	2
3	256QAM	16	0	17.76	17.77	17.82		
3	256QAM	16	0	17.76	17.77	17.82		
3	256QAM	16	0	17.76	17.77	17.82		
Channel								
Frequency [MHz]								
1.4	QPSK	1	0	19.61	19.72	19.60	21	0
1.4	QPSK	1	3	19.60	19.69	19.55		
1.4	QPSK	1	5	19.59	19.65	19.51	21	0
1.4	QPSK	3	0	19.44	19.63	19.53		
1.4	QPSK	3	0	19.44	19.63	19.53	21	0
1.4	QPSK	3	0	19.44	19.63	19.53		
1.4	QPSK	3	0	19.44	19.63	19.53	21	0
1.4	QPSK	3	0	19.44	19.63	19.53		
1.4	QPSK	6	0	19.41	19.47	19.29	21	0
1.4	QPSK	6	0	19.41	19.46	19.50		
1.4	QPSK	6	0	19.41	19.46	19.50	21	0
1.4	QPSK	6	0	19.41	19.46	19.50		
1.4	16QAM	1	5	19.53	19.57	19.44	21	0
1.4	16QAM	1	5	19.52	19.54	19.46		
1.4	16QAM	3	1	19.34	19.50	19.44	21	0
1.4	16QAM	3	1	19.38	19.55	19.44		
1.4	16QAM	3	1	19.38	19.55	19.44	21	0
1.4	16QAM	3	1	19.38	19.55	19.44		
1.4	16QAM	3	1	19.38	19.55	19.44	21	0
1.4	16QAM	3	1	19.38	19.55	19.44		
1.4	16QAM	3	1	19.38	19.55	19.44	21	0
1.4	16QAM	3	1	19.38	19.55	19.44		
1.4	16QAM	3	1	19.38	19.55	19.44	21	0
1.4	16QAM	3	1	19.38	19.55	19.44		
1.4	16QAM	3	1	19.38	19.55	19.44	21	0
1.4	1							



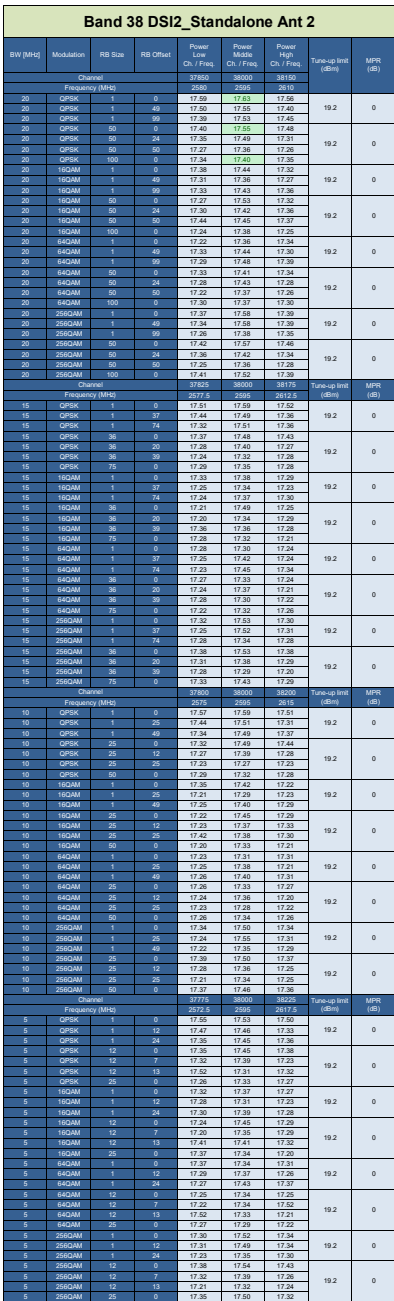
Band 12 Default Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.51	22.59	22.50	24	0		
10	QPSK	1	25	22.40	22.42	22.31				
10	QPSK	1	49	22.26	22.48	22.18				
10	QPSK	25	0	22.40	22.62	22.40				
10	QPSK	25	12	22.30	22.45	22.27				
10	QPSK	25	25	22.29	22.52	22.24	24	0		
10	QPSK	50	0	22.34	22.41	22.37				
10	16QAM	1	0	22.41	22.51	22.53				
10	16QAM	1	25	22.39	22.52	22.38				
10	16QAM	1	49	22.18	22.40	22.39				
10	16QAM	25	0	22.51	22.52	22.54	24	0		
10	16QAM	25	12	22.29	22.41	22.35				
10	16QAM	25	25	22.27	22.36	22.30				
10	16QAM	50	0	22.40	22.51	22.38				
10	16QAM	50	1	0	22.40	22.44	22.34			
10	64QAM	1	25	22.39	22.41	22.52	24	0		
10	64QAM	1	49	22.14	22.41	22.29				
10	64QAM	25	0	21.24	21.36	21.17				
10	64QAM	25	12	21.13	21.21	21.08				
10	64QAM	25	25	21.03	21.16	21.04				
10	64QAM	50	0	21.25	21.30	21.19	22.5	1.5		
10	256QAM	1	25	19.35	19.59	19.51				
10	256QAM	1	49	19.34	19.38	19.43				
10	256QAM	25	0	19.34	19.44	19.44				
10	256QAM	25	12	19.34	19.29	19.32				
10	256QAM	25	25	19.12	19.28	19.19	21	3		
10	256QAM	50	0	19.22	19.40	19.46				
Channel										
Frequency (MHz)				7015	7015	7113				
5	QPSK	1	0	22.43	22.48	22.39	24	0		
5	QPSK	1	12	22.31	22.36	22.30				
5	QPSK	1	24	22.14	22.40	22.04				
5	QPSK	12	0	22.29	22.50	22.37				
5	QPSK	12	7	22.25	22.31	22.15				
5	QPSK	12	13	22.24	22.28	22.17	24	0		
5	QPSK	25	0	22.22	22.27	22.12				
5	16QAM	1	0	22.35	22.46	22.38				
5	16QAM	1	12	22.25	22.45	22.27				
5	16QAM	1	24	22.08	22.39	22.19				
5	16QAM	12	0	22.47	22.43	22.51	24	0		
5	16QAM	12	7	22.18	22.28	22.25				
5	16QAM	25	0	22.37	22.43	22.23				
5	64QAM	1	0	22.25	22.39	22.28				
5	64QAM	1	12	22.09	22.32	22.21				
5	64QAM	1	24	22.05	22.32	22.21	22.5	1.5		
5	64QAM	12	0	21.17	21.31	21.05				
5	64QAM	12	7	21.02	21.02	20.89				
5	64QAM	12	13	21.02	21.02	20.89				
5	64QAM	25	0	21.13	21.16	21.16				
5	256QAM	1	12	19.20	19.46	19.48	21	3		
5	256QAM	1	24	19.25	19.28	19.33				
5	256QAM	12	0	19.25	19.25	19.24				
5	256QAM	12	7	19.20	19.15	19.26				
5	256QAM	12	13	19.02	19.20	19.12				
5	256QAM	25	0	19.22	19.22	19.08	21	3		
Channel										
Frequency (MHz)				7005	7005	7103				
3	QPSK	1	0	22.40	22.52	22.46	24	0		
3	QPSK	1	8	22.31	22.37	22.28				
3	QPSK	1	16	22.11	22.43	22.08				
3	QPSK	8	0	22.32	22.48	22.28				
3	QPSK	8	4	22.19	22.34	22.21				
3	QPSK	8	7	22.21	22.18	22.11	24	0		
3	QPSK	16	0	22.21	22.27	22.25				
3	16QAM	1	0	22.26	22.39	22.48				
3	16QAM	1	8	22.31	22.38	22.32				
3	16QAM	1	16	22.05	22.28	22.30				
3	16QAM	8	0	22.37	22.41	22.40	24	0		
3	16QAM	8	4	22.18	22.33	22.29				
3	16QAM	8	7	22.13	22.29	22.18				
3	16QAM	16	0	22.36	22.39	22.25				
3	64QAM	1	0	22.27	22.31	22.21				
3	64QAM	1	8	22.34	22.38	22.28	24	0		
3	64QAM	1	14	22.06	22.38	22.20				
3	64QAM	8	0	21.12	21.27	21.02				
3	64QAM	8	4	21.04	21.12	20.95				
3	64QAM	8	7	20.98	21.00	20.90				
3	64QAM	15	0	21.19	21.24	21.15	22.5	1.5		
3	256QAM	1	0	19.23	19.45	19.41				
3	256QAM	1	8	19.27	19.51	19.37				
3	256QAM	1	14	19.24	19.31	19.35				
3	256QAM	8	0	19.10	19.31	19.36				
3	256QAM	8	4	19.24	19.15	19.17	21	3		
3	256QAM	8	7	19.09	19.23	19.09				
3	256QAM	15	0	19.20	19.26	19.12				
Channel										
Frequency (MHz)				7007	7007	7107				
1.4	QPSK	1	0	22.41	22.54	22.18	24	0		
1.4	QPSK	1	3	22.35	22.39	22.27				
1.4	QPSK	1	5	22.20	22.42	22.04				
1.4	QPSK	3	0	22.34	22.50	22.28				
1.4	QPSK	3	1	22.20	22.59	22.23				
1.4	QPSK	3	3	22.17	22.20	22.20	24	0		
1.4	QPSK	6	0	22.23	22.34	22.32				
1.4	16QAM	1	0	22.32	22.40	22.40				
1.4	16QAM	1	3	22.28	22.47	22.25				
1.4	16QAM	1	6	22.04	22.37	22.33				
1.4	16QAM	3	0	22.47	22.47	22.46	24	0		
1.4	16QAM	3	1	22.25	22.31	22.25				
1.4	16QAM	3	3	22.17	22.32	22.25				
1.4	16QAM	6	0	22.26	22.43	22.35				
1.4	64QAM	1	0	22.35	22.37	22.29				
1.4	64QAM	1	3	22.25	22.29	22.26	24	0		
1.4	64QAM	1	5	22.01	22.33	22.19				
1.4	64QAM	3	0	22.38	22.36	22.40				
1.4	64QAM	3	2	22.16	22.32	22.22				
1.4	64QAM	3	3	22.15	22.29	22.21				
1.4	64QAM	6	0	21.19	21.29	21.11	22.5	1.5		
1.4	256QAM	1	0	19.26	19.57	19.36				
1.4	256QAM	1	3	19.22	19.50	19.47				
1.4	256QAM	1	5	19.26	19.22	19.30				
1.4	256QAM	3	0	19.10	19.34	19.30				
1.4	256QAM	3	1	19.21	19.18	19.19	21	3		
1.4	256QAM	3	2	19.08	19.20	19.14				
1.4	256QAM	6	0	19.17	19.25	19.09				

Band 13 Default Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.53						
10	QPSK	1	20	22.40				24	0	
10	QPSK	1	40	22.28						
10	QPSK	25	0	22.45						
10	QPSK	25	12	22.38				24	0	
10	QPSK	25	24	22.30						
10	QPSK	50	0	22.32						
10	16QAM	1	0	22.48						
10	16QAM	1	20	22.47				24	0	
10	16QAM	1	40	22.45						
10	16QAM	25	0	22.44						
10	16QAM	25	12	22.38				24	0	
10	16QAM	25	24	22.28						
10	16QAM	50	0	22.48						
10	16QAM	50	12	22.38						
10	16QAM	1	26	22.42				24	0	
10	16QAM	1	49	22.41						
10	16QAM	25	12	21.20				22.5	1.5	
10	16QAM	25	24	21.04						
10	16QAM	50	0	21.28						
10	25QAM	1	0	19.60						
10	25QAM	1	20	19.59				21	3	
10	25QAM	1	40	19.58						
10	25QAM	25	0	19.42						
10	25QAM	25	12	19.28				21	3	
10	25QAM	25	24	19.24						
10	25QAM	50	0	19.28						
Channel				22655	22655	22655	Unk-tx	MPR (dB)		
Frequency (MHz)				776.5	782.5	784.5				
5	QPSK	1	0	22.47	22.50	22.44				
5	QPSK	1	12	22.33	22.35	22.39		24	0	
5	QPSK	1	24	22.14	22.14	22.14				
5	QPSK	12	0	22.41	22.37	22.40				
5	QPSK	12	7	22.26	22.26	22.28		24	0	
5	QPSK	12	14	22.13	22.11	22.11				
5	QPSK	25	0	22.22	22.30	22.30				
5	16QAM	1	0	22.42	22.46	22.43				
5	16QAM	1	12	22.26	22.24	22.46				
5	16QAM	1	24	22.34	22.33	22.41				
5	16QAM	12	0	22.41	22.41	22.40				
5	16QAM	12	7	22.27	22.25	22.33		24	0	
5	16QAM	12	14	22.17	22.25	22.19				
5	16QAM	25	0	22.41	22.47	22.46				
5	16QAM	25	12	22.31	22.30	22.39				
5	16QAM	1	12	22.37	22.42	22.35				
5	16QAM	1	24	22.33	22.32	22.35				
5	16QAM	12	7	22.11	22.10	22.17		22.5	1.5	
5	16QAM	12	14	20.96	20.97	20.91				
5	16QAM	1	15	21.17	21.25	21.28				
5	25QAM	1	0	19.52	19.51	19.53				
5	25QAM	1	12	19.46	19.53	19.50		21	3	
5	25QAM	1	24	19.35	19.35	19.24				
5	25QAM	12	7	19.38	19.43	19.35				
5	25QAM	12	14	19.22	19.24	19.26		21	3	
5	25QAM	12	15	19.30	19.31	19.31				
5	25QAM	25	0	19.27	19.18	19.20				



Band 25 DSI2_ Standalone Ant 2

BW [MHz]	Modulation	RIS Size	RIS Offset	Power Mod Ch./F.Freq.	Power Mod Ch./F.Freq.	Power Mod Ch./F.Freq.	Turn-up rate (dB)	MPR (dB)
Channel								
Frequency [MHz]								
20	QPSK	1	0	19.84	19.80	19.78	21	0
20	QPSK	1	49	19.84	19.85	19.83	21	0
20	QPSK	1	99	19.82	19.78	19.82	21	0
20	QPSK	50	0	19.85	19.79	19.83	21	0
20	QPSK	50	24	19.85	19.72	19.88	21	0
20	QPSK	50	50	19.80	19.71	19.80	21	0
20	QPSK	100	0	19.85	19.82	19.79	21	0
20	QPSK	100	24	19.72	19.79	19.84	21	0
20	16QAM	1	49	19.57	19.59	19.46	21	0
20	16QAM	1	99	19.61	19.78	19.63	21	0
20	16QAM	50	0	19.65	19.61	19.66	21	0
20	16QAM	50	24	19.64	19.71	19.71	21	0
20	16QAM	50	50	19.68	19.72	19.61	21	0
20	16QAM	100	0	19.47	19.64	19.69	21	0
20	64QAM	1	49	19.61	19.71	19.62	21	0
20	64QAM	1	99	19.67	19.66	19.61	21	0
20	64QAM	50	0	19.62	19.68	19.63	21	0
20	64QAM	50	24	19.58	19.64	19.52	21	0
20	64QAM	50	50	19.55	19.60	19.53	21	0
20	64QAM	100	0	19.72	19.75	19.54	21	0
20	256QAM	1	49	19.55	19.59	19.53	21	0
20	256QAM	1	99	19.57	19.61	19.56	21	0
20	256QAM	50	0	19.56	19.63	19.57	21	0
20	256QAM	50	24	19.48	19.52	19.46	21	0
20	256QAM	50	50	19.47	19.48	19.55	21	0
20	256QAM	100	0	19.65	19.63	19.48	21	0
Channel								
Frequency [MHz]								
15	QPSK	1	0	19.78	19.83	19.66	21	0
15	QPSK	1	37	19.74	19.79	19.67	21	0
15	QPSK	1	74	19.58	19.67	19.79	21	0
15	QPSK	36	0	19.59	19.70	19.54	21	0
15	QPSK	36	24	19.48	19.61	19.53	21	0
15	QPSK	36	39	19.53	19.64	19.47	21	0
15	QPSK	75	0	19.60	19.71	19.62	21	0
15	16QAM	1	1	19.64	19.74	19.54	21	0
15	16QAM	1	37	19.49	19.60	19.44	21	0
15	16QAM	1	74	19.57	19.66	19.52	21	0
15	16QAM	36	20	19.61	19.72	19.59	21	0
15	16QAM	36	20	19.58	19.60	19.61	21	0
15	16QAM	36	49	19.57	19.62	19.64	21	0
15	16QAM	75	0	19.35	19.53	19.58	21	0
15	64QAM	1	0	19.55	19.52	19.51	21	0
15	64QAM	1	37	19.57	19.53	19.54	21	0
15	64QAM	1	74	19.58	19.59	19.53	21	0
15	64QAM	36	0	19.58	19.58	19.56	21	0
15	64QAM	36	49	19.59	19.60	19.56	21	0
15	64QAM	36	39	19.44	19.52	19.57	21	0
15	64QAM	75	0	19.68	19.67	19.61	21	0
15	256QAM	1	37	19.52	19.46	19.50	21	0
15	256QAM	1	74	19.49	19.68	19.51	21	0
15	256QAM	36	0	19.55	19.62	19.46	21	0
15	256QAM	36	20	19.36	19.47	19.42	21	0
15	256QAM	36	39	19.34	19.44	19.45	21	0
15	256QAM	75	0	19.57	19.53	19.56	21	0
Channel								
Frequency [MHz]								
5	QPSK	1	0	19.70	19.77	19.68	21	0
5	QPSK	1	25	19.79	19.73	19.62	21	0
5	QPSK	1	49	19.49	19.69	19.72	21	0
5	QPSK	25	0	19.62	19.70	19.62	21	0
5	QPSK	25	13	19.51	19.60	19.50	21	0
5	QPSK	25	25	19.50	19.60	19.36	21	0
5	QPSK	25	49	19.55	19.62	19.48	21	0
5	16QAM	1	0	19.66	19.70	19.56	21	0
5	16QAM	1	25	19.43	19.61	19.40	21	0
5	16QAM	1	49	19.67	19.73	19.63	21	0
5	16QAM	25	0	19.35	19.77	19.58	21	0
5	16QAM	25	13	19.51	19.60	19.63	21	0
5	16QAM	25	25	19.58	19.70	19.64	21	0
5	16QAM	50	0	19.39	19.59	19.53	21	0
5	64QAM	1	0	19.51	19.60	19.53	21	0
5	64QAM	1	49	19.64	19.70	19.55	21	0
5	64QAM	25	0	19.54	19.59	19.52	21	0
5	64QAM	25	13	19.56	19.57	19.52	21	0
5	64QAM	25	25	19.45	19.48	19.50	21	0
5	64QAM	50	0	19.64	19.63	19.48	21	0
5	256QAM	1	25	19.48	19.51	19.44	21	0
5	256QAM	1	25	19.52	19.51	19.46	21	0
5	256QAM	25	12	19.40	19.41	19.32	21	0
5	256QAM	25	25	19.45	19.47	19.45	21	0
5	256QAM	50	0	19.51	19.41	19.37	21	0
Channel								
Frequency [MHz]								
3	QPSK	1	0	19.72	19.62	19.55	21	0
3	QPSK	1	8	19.75	19.61	19.65	21	0
3	QPSK	1	14	19.59	19.65	19.74	21	0
3	QPSK	1	20	19.67	19.73	19.56	21	0
3	QPSK	8	4	19.48	19.69	19.45	21	0
3	QPSK	8	7	19.46	19.62	19.44	21	0
3	QPSK	12	7	19.42	19.59	19.50	21	0
3	16QAM	1	0	19.68	19.69	19.57	21	0
3	16QAM	1	12	19.53	19.66	19.37	21	0
3	16QAM	12	8	19.55	19.66	19.54	21	0
3	16QAM	12	0	19.55	19.78	19.34	21	0
3	16QAM	12	7	19.51	19.67	19.67	21	0
3	16QAM	25	0	19.36	19.52	19.47	21	0
3	64QAM	1	0	19.52	19.57	19.63	21	0
3	64QAM	1	8	19.48	19.60	19.58	21	0
3	64QAM	1	24	19.54	19.74	19.48	21	0
3	64QAM	12	0	19.50	19.67	19.55	21	0
3	64QAM	12	8	19.51	19.64	19.59	21	0
3	64QAM	12	13	19.48	19.47	19.48	21	0
3	64QAM	25	0	19.62	19.62	19.44	21	0
3	256QAM	1	12	19.42	19.53	19.46	21	0
3	256QAM	1	12	19.47	19.52	19.41	21	0
3	256QAM	12	0	19.44	19.51	19.43	21	0
3	256QAM	12	7	19.35	19.41	19.37	21	0
3	256QAM	12	13	19.36	19.36	19.33	21	0
3	256QAM	25	0	19.52	19.58	19.41	21	0
Channel								
Frequency [MHz]								
1.4	QPSK	1	0	19.72	19.62	19.55	21	0
1.4	QPSK	1	8	19.75	19.61	19.65	21	0
1.4	QPSK	1	14	19.59	19.65	19.74	21	0
1.4	QPSK	1	20	19.67	19.73	19.56	21	0
1.4	QPSK	8	4	19.48	19.69	19.45	21	0
1.4	QPSK	8	7	19.46	19.62	19.44	21	0
1.4	QPSK	12	7	19.42	19.59	19.50	21	0
1.4	16QAM	1	0	19.59	19.69	19.51	21	0
1.4	16QAM	1	8	19.53	19.61	19.45	21	0
1.4	16QAM	1	14	19.49	19.78	19.56	21	0
1.4	16QAM	8	0	19.62	19.77	19.62	21	0
1.4	16QAM	8	4	19.52	19.66	19.68	21	0
1.4	16QAM	15	0	19.61	19.65	19.54	21	0
1.4	16QAM	15	0	19.43	19.52	19.50	21	0
1.4	64QAM	1	0	19.46	19.52	19.61	21	0
1.4	64QAM	1	8	19.56	19.68	19.53	21	0
1.4	64QAM	1	14	19.63	19.62	19.54	21	0
1.4	64QAM	8	0	19.57	19.62	19.64	21	0
1.4	64QAM	8	4	19.50	19.60	19.58	21	0
1.4	64QAM	8	7	19.51	19.48	19.51	21	0
1.4	64QAM	15	0	19.48	19.50	19.43	21	0
1.4	256QAM	1	8	19.46	19.50	19.43	21	0
1.4	256QAM	1	8	19.52	19.76	19.46	21	0
1.4	256QAM	8	0	19.51	19.52	19.51	21	0
1.4	256QAM	8	4	19.37	19.47	19.34	21	0
1.4	256QAM	8	7	19.39	19.41	19.41	21	0
1.4	256QAM	15	0	19.59	19.55	19.35	21	0
Channel								
Frequency [MHz]								
1.4	QPSK	1	0	19.80	19.83	19.70	21	0
1.4	QPSK	1	3	19.72	19.82	19.92	21	0
1.4	QPSK	1	5	19.58	19.84	19.77	21	0
1.4	QPSK	3	0	19.81	19.89	19.89	21	0
1.4	QPSK	3	1	19.50	19.64	19.52	21	0
1.4	16QAM	1	0	19.55	19.63	19.62	21	0
1.4	16QAM	1	3	19.52	19.74	19.64	21	0
1.4	16QAM	1	0	19.65	19.76	19.51	21	0
1.4	16QAM	3	0	19.45	19.59	19.54	21	0
1.4	16QAM	3	0	19.55	19.68	19.58	21	0
1.4	16QAM	3	0	19.57	19.63	19.63	21	0
1.4	16QAM	6	0	19.52	19.74	19.68	21	0
1.4	16QAM	6	0	19.62	19.76	19.51	21	0
1.4	16QAM	6	0	19.55	19.68	19.54	21	0
1.4	16QAM	6	0	19.57	19.67	19.67	21	0
1.4	16QAM	3	0	19.47	19.53	19.54	21	0
1.4	16QAM	3	0	19.50	19.60	19.49	21	0
1.4	16QAM	3	1	19.57	19.59	19.39	21	0
1.4	16QAM	3	1	19.42	19.45	19.37	21	0
1.4	16QAM	6	0	19.62	19.71	19.49	21	0
1.4	16QAM	6	0	19.51	19.66	19.52	21	0
1.4	16QAM	6	0	19.58	19.64	19.54	21	0
1.4	16QAM	6	0	19.42	19.45	19.46	21	0
1.4	16QAM	6	0	19.35	19.40	19.46	21	0
1.4	16QAM	6	0	19.47	19.52	19.47	21	0
1.4	16QAM	6	0	19.47	19.52	19.47	21	0
1.4	16QAM	6	0	19.47	19.53	19.54	21	0
1.4	16QAM	3	0	19.50	19.60	19.49	21	0
1.4	16QAM	3	1	19.57	19.59	19.39		



Band 41 PC3 FCC&C DS12_Standalone Ant 2												
RF [MHz]	Modulation	RIS Size	RIS Offset	Power Low Ch. [dBm]	Power Low Mid. [dBm]	Power Mid. [dBm]	Power High Mid. [dBm]	Power High Ch. [dBm]	Turn-up time (dBm)	MFR (dB)		
Channel												
Frequency (MHz)				39750	40185	40600	40950	41400				
				2500	2665	2793	2936	3100				
15	QPSK	1	0	17.62	17.73	17.78	17.82	17.83	19.2	0		
20	QPSK	1	49	17.68	17.73	17.78	17.87	17.87				
20	QPSK	1	99	17.72	17.83	17.74	17.71	17.68				
20	QPSK	1	148	17.68	17.73	17.78	17.87	17.88				
20	QPSK	25	24	17.54	17.54	17.70	17.56	17.56	19.2	0		
20	QPSK	50	50	17.62	17.53	17.72	17.56	17.56				
20	QPSK	75	75	17.55	17.61	17.68	17.55	17.57				
20	16QAM	1	0	17.73	17.69	17.77	17.62	17.57				
20	16QAM	1	49	17.61	17.58	17.66	17.52	17.52				
20	16QAM	1	99	17.64	17.64	17.76	17.56	17.56	19.2	0		
20	16QAM	1	148	17.58	17.67	17.71	17.57	17.68				
20	16QAM	25	24	17.62	17.54	17.73	17.57	17.57				
20	16QAM	50	50	17.56	17.67	17.71	17.57	17.68				
20	16QAM	75	75	17.51	17.63	17.68	17.54	17.57	19.2	0		
20	64QAM	1	49	17.61	17.56	17.66	17.56	17.57	19.2	0		
20	64QAM	1	99	17.54	17.66	17.74	17.52	17.66				
20	64QAM	1	148	17.66	17.63	17.68	17.58	17.67				
20	64QAM	25	24	17.53	17.49	17.65	17.54	17.51	19.2	0		
20	64QAM	50	50	17.49	17.58	17.65	17.54	17.53				
20	64QAM	75	75	17.63	17.59	17.59	17.54	17.53				
20	256QAM	1	0	17.35	17.44	17.61	17.45	17.44	19	0.2		
20	256QAM	1	49	17.46	17.49	17.57	17.45	17.45				
20	256QAM	1	99	17.45	17.59	17.71	17.48	17.56				
20	256QAM	1	148	17.58	17.56	17.65	17.45	17.54				
20	256QAM	25	24	17.48	17.41	17.53	17.42	17.41	19	0.2		
20	256QAM	50	50	17.45	17.39	17.52	17.44	17.44				
20	256QAM	75	75	17.39	17.50	17.62	17.44	17.44				
Channel												
Frequency (MHz)				39750	40173	40600	40966	41515				
				2500	2643	2793	2973	3168				
15	QPSK	1	0	17.63	17.73	17.78	17.82	17.83	19.2	0		
15	QPSK	1	37	17.69	17.65	17.76	17.62	17.64				
15	QPSK	1	74	17.63	17.64	17.71	17.62	17.60				
15	QPSK	1	111	17.64	17.56	17.71	17.73	17.69				
15	QPSK	25	20	17.48	17.46	17.61	17.53	17.62	19.2	0		
15	QPSK	50	50	17.52	17.59	17.68	17.51	17.53				
15	QPSK	75	75	17.62	17.58	17.58	17.51	17.53				
15	16QAM	1	0	17.63	17.64	17.72	17.57	17.49				
15	16QAM	1	37	17.61	17.63	17.70	17.55	17.47	19.2	0		
15	16QAM	1	74	17.61	17.55	17.63	17.53	17.62				
15	16QAM	1	111	17.60	17.51	17.63	17.60	17.54				
15	16QAM	25	20	17.46	17.48	17.63	17.45	17.56	19.2	0		
15	16QAM	50	50	17.38	17.52	17.68	17.50	17.58				
15	16QAM	75	75	17.50	17.59	17.61	17.47	17.48				
15	16QAM	1	148	17.48	17.45	17.61	17.45	17.41				
15	64QAM	1	37	17.64	17.56	17.61	17.61	17.50	19.2	0		
15	64QAM	1	74	17.62	17.60	17.65	17.60	17.50				
15	64QAM	1	111	17.56	17.56	17.60	17.54	17.54				
15	64QAM	25	20	17.43	17.41	17.62	17.50	17.44	19.2	0		
15	64QAM	50	50	17.42	17.40	17.62	17.48	17.47				
15	64QAM	75	75	17.57	17.51	17.66	17.44	17.58				
15	256QAM	1	0	17.32	17.50	17.59	17.45	17.43	19	0.2		
15	256QAM	1	37	17.45	17.47	17.61	17.45	17.50				
15	256QAM	1	74	17.46	17.63	17.67	17.46	17.57				
15	256QAM	1	111	17.58	17.57	17.66	17.56	17.60				
15	256QAM	25	20	17.25	17.42	17.62	17.42	17.45	19.2	0		
15	256QAM	50	50	17.46	17.41	17.53	17.42	17.47				
15	256QAM	75	75	17.63	17.55	17.61	17.45	17.56				
Channel												
Frequency (MHz)				39750	40160	40600	40966	41515				
				2500	2643	2793	2973	3168				
15	QPSK	1	0	17.73	17.74	17.82	17.87	17.83	19.2	0		
15	QPSK	1	25	17.61	17.84	17.78	17.63	17.60				
15	QPSK	1	49	17.62	17.87	17.89	17.64	17.64				
15	QPSK	1	99	17.64	17.85	17.79	17.61	17.59				
15	QPSK	25	12	17.44	17.48	17.67	17.53	17.61	19.2	0		
15	QPSK	50	50	17.53	17.48	17.67	17.53	17.57				
15	QPSK	75	75	17.62	17.59	17.62	17.53	17.63				
15	16QAM	1	0	17.73	17.64	17.73	17.54	17.49				
15	16QAM	1	25	17.61	17.83	17.77	17.57	17.47				
15	16QAM	1	49	17.67	17.81	17.81	17.57	17.64				
15	16QAM	25	0	17.47	17.49	17.69	17.54	17.59	19.2	0		
15	16QAM	50	50	17.46	17.46	17.69	17.54	17.58				
15	16QAM	75	75	17.54	17.52	17.60	17.46	17.54				
15	64QAM	1	25	17.54	17.82	17.80	17.54	17.59				
15	64QAM	1	49	17.51	17.73	17.74	17.54	17.57				
15	64QAM	1	99	17.52	17.51	17.62	17.45	17.49	19.2	0		
15	64QAM	25	0	17.46	17.48	17.69	17.52	17.50				
15	64QAM	50	0	17.46	17.59	17.62	17.45	17.48				
15	64QAM	75	0	17.56	17.59	17.62	17.50	17.54				
15	256QAM	25	12	17.43	17.43	17.59	17.46	17.47	19.2	0		
15	256QAM	50	12	17.42	17.41	17.48	17.37	17.49				
15	256QAM	75	0	17.56	17.51	17.63	17.48	17.53				
15	256QAM	1	0	17.32	17.46	17.66	17.46	17.41	19	0.2		
15	256QAM	1	49	17.51	17.60	17.71	17.46	17.48				
15	256QAM	1	99	17.58	17.52	17.65	17.46	17.53				
15	256QAM	25	12	17.45	17.43	17.60	17.42	17.43	19	0.2		
15	256QAM	50	25	17.40	17.39	17.45	17.45	17.45				
15	256QAM	75	25	17.52	17.53	17.62	17.47	17.55				
Channel												
Frequency (MHz)				39675	40148	40600	40966	41565				
				2500	2643	2793	2973	3068				
15	QPSK	1	124	17.75	17.78	17.82	17.86	17.86	19.2	0		
15	QPSK	1	248	17.69	17.70	17.70	17.69	17.64				
15	QPSK	12	7	17.62	17.62	17.62	17.62	17.62				
15	QPSK	12	7	17.51	17.59	17.74	17.74	17.65				
15	QPSK	25	7	17.61	17.44	17.62	17.49	17.60	19.2	0		
15	QPSK	50	0	17.64	17.43	17.63	17.43	17.46				
15	QPSK	25	0	17.46	17.53	17.57	17.48	17.52				
15	QPSK	1	0	17.65	17.84	17.74	17.52	17.47	19.2	0		
15	16QAM	1	0	17.65	17.84	17.74	17.52	17.47				
15	16QAM	1	24	17.41	17.59	17.63	17.47	17.48				
15	16QAM	1	24	17.57	17.56	17.52	17.52	17.57				
15	16QAM	12	12	17.67	17.67	17.67	17.67	17.64				
15	16QAM	12	12	17.46	17.50	17.52	17.52	17.60				
15	16QAM	12	13	17.56	17.57	17.59	17.56	17.64				
15	16QAM	1	0	17.33	17.32	17.34	17.32	17.46	19.2	0		
15	64QAM	1	0	17.38	17.50	17.68	17.52	17.44				
15	64QAM	1	12	17.44	17.52	17.59	17.48	17.50				
15	64QAM	1	24	17.60	17.59	17.62	17.47	17.49	19.2	0		
15	64QAM	12	0	17.38	17.47	17.60	17.47	17.48				
15	64QAM	25	0	17.58	17.57	17.57	17.50	17.54				
15	256QAM	1	124	17.69	17.64	17.69	17.61	17.61	19	0.2		
15	256QAM	1	24	17.51	17.61	17.62	17.46	17.49				
15	256QAM	1	12	17.60	17.58	17.60	17.61	17.53				
15	256QAM	12	7	17.50	17.41	17.58	17.48	17.41				
15	256QAM	12	13	17.56	17.39	17.54	17.47	17.55				
15	256QAM	12	13	17.65	17.62	17.69	17.62	17.65				



Band 41 PC2 FCC&IC DS12_Standalone Ant 2																
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid-High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)							
Channel																
Frequency (MHz)																
20	QPSK	1	0	19.92	19.47	19.52	19.51	19.53	20.8	0						
20	QPSK	1	49	19.44	19.26	19.52	19.37	19.45								
20	QPSK	50	0	19.36	19.32	19.48	19.41	19.38								
20	QPSK	50	24	19.42	19.41	19.45	19.38	19.50								
20	QPSK	50	24	19.51	19.51	19.44	19.30	19.42	20.8	0						
20	QPSK	100	0	19.30	19.31	19.51	19.39	19.46								
20	16QAM	1	0	19.43	19.30	19.43	19.33	19.32								
20	16QAM	50	24	19.45	19.26	19.47	19.32	19.43								
20	16QAM	50	24	19.42	19.37	19.39	19.34	19.43	20.8	0						
20	16QAM	100	0	19.36	19.29	19.44	19.37	19.39								
20	16QAM	100	0	19.45	19.26	19.47	19.30	19.32								
20	16QAM	50	50	19.47	19.42	19.50	19.46	19.35								
20	16QAM	100	0	19.36	19.21	19.46	19.29	19.41	20.8	0						
20	64QAM	1	0	19.43	19.22	19.45	19.35	19.31								
20	64QAM	1	49	19.49	19.41	19.51	19.28	19.55								
20	64QAM	50	0	19.37	19.34	19.34	19.49	19.60								
20	64QAM	50	0	19.42	19.20	19.45	19.46	19.39	20.8	0						
20	64QAM	50	24	19.43	19.42	19.35	19.27	19.33								
20	64QAM	100	0	19.40	19.34	19.34	19.24	19.45								
20	64QAM	100	0	19.47	19.38	19.47	19.38	19.37								
20	256QAM	1	0	19.40	19.28	19.49	19.44	19.38	20.8	0						
20	256QAM	1	49	19.39	19.38	19.53	19.30	19.49								
20	256QAM	1	99	19.37	19.23	19.43	19.46	19.34								
20	256QAM	50	0	19.40	19.27	19.46	19.36	19.44								
20	256QAM	50	24	19.51	19.52	19.42	19.31	19.40	20.8	0						
20	256QAM	50	50	19.49	19.29	19.51	19.23	19.34								
20	256QAM	100	0	19.41	19.30	19.44	19.30	19.47								
Channel																
Frequency (MHz)																
15	QPSK	1	0	19.43	19.35	19.39	19.23	19.52					20.8	0		
15	QPSK	1	37	19.32	19.16	19.49	19.28	19.41								
15	QPSK	1	74	19.28	19.24	19.43	19.24	19.30								
15	QPSK	36	0	19.30	19.34	19.42	19.42	19.22								
15	QPSK	36	20	19.37	19.36	19.38	19.32	19.40	20.8	0						
15	QPSK	75	0	19.26	19.22	19.46	19.28	19.36								
15	16QAM	1	0	19.34	19.21	19.39	19.22	19.20								
15	16QAM	1	37	19.27	19.36	19.40	19.20	19.46								
15	16QAM	1	74	19.38	19.25	19.30	19.21	19.32	20.8	0						
15	16QAM	36	0	19.23	19.19	19.35	19.27	19.46								
15	16QAM	36	20	19.41	19.22	19.38	19.27	19.30								
15	16QAM	36	36	19.41	19.32	19.45	19.37	19.29								
15	16QAM	75	0	19.34	19.12	19.43	19.23	19.35	20.8	0						
15	64QAM	1	0	19.40	19.19	19.39	19.30	19.29								
15	64QAM	1	37	19.39	19.38	19.48	19.26	19.51								
15	64QAM	1	74	19.32	19.25	19.38	19.26	19.36								
15	64QAM	36	0	19.40	19.15	19.39	19.40	19.34	20.8	0						
15	64QAM	36	20	19.29	19.34	19.23	19.19	19.23								
15	64QAM	36	36	19.40	19.35	19.45	19.25	19.20								
15	64QAM	75	0	19.45	19.24	19.45	19.25	19.20								
15	256QAM	1	0	19.35	19.21	19.39	19.30	19.33	20.8	0						
15	256QAM	1	37	19.33	19.30	19.45	19.25	19.43								
15	256QAM	1	74	19.35	19.13	19.26	19.39	19.30								
15	256QAM	36	0	19.41	19.13	19.41	19.23	19.21								
15	256QAM	36	20	19.43	19.24	19.35	19.28	19.32	20.8	0						
15	256QAM	36	36	19.46	19.19	19.43	19.12	19.22								
15	256QAM	75	0	19.39	19.26	19.34	19.36	19.42								
Channel																
Frequency (MHz)																
10	QPSK	1	0	19.40	19.41	19.46	19.23	19.43					20.8	0		
10	QPSK	1	25	19.41	19.13	19.45	19.34	19.32								
10	QPSK	1	49	19.28	19.24	19.43	19.31	19.32								
10	QPSK	25	12	19.29	19.38	19.47	19.45	19.15								
10	QPSK	25	12	19.31	19.34	19.39	19.27	19.40	20.8	0						
10	QPSK	25	25	19.42	19.26	19.35	19.26	19.35								
10	16QAM	1	0	19.27	19.22	19.39	19.34	19.41								
10	16QAM	1	0	19.34	19.24	19.29	19.29	19.20								
10	16QAM	1	25	19.27	19.31	19.30	19.16	19.37	20.8	0						
10	16QAM	1	49	19.37	19.33	19.39	19.20	19.39								
10	16QAM	25	0	19.34	19.22	19.35	19.29	19.44								
10	16QAM	25	19	19.35	19.23	19.41	19.29	19.21								
10	16QAM	25	19	19.36	19.40	19.41	19.35	19.23	20.8	0						
10	16QAM	50	0	19.33	19.17	19.43	19.28	19.37								
10	64QAM	1	0	19.29	19.11	19.43	19.23	19.28								
10	64QAM	1	25	19.40	19.29	19.39	19.20	19.52								
10	64QAM	1	49	19.31	19.22	19.24	19.45	19.27	20.8	0						
10	64QAM	25	0	19.34	19.17	19.36	19.42	19.27								
10	64QAM	25	12	19.39	19.29	19.32	19.16	19.30								
10	64QAM	25	25	19.45	19.27	19.47	19.16	19.41								
10	64QAM	50	0	19.37	19.32	19.35	19.27	19.30	20.8	0						
10	256QAM	1	0	19.30	19.15	19.44	19.38	19.34								
10	256QAM	1	25	19.29	19.30	19.44	19.26	19.37								
10	256QAM	1	49	19.27	19.12	19.39	19.33	19.28								
10	256QAM	25	0	19.46	19.28	19.34	19.27	19.30	20.8	0						
10	256QAM	25	12	19.48	19.28	19.32	19.27	19.31								
10	256QAM	25	25	19.42	19.24	19.42	19.12	19.31								
10	256QAM	50	0	19.36	19.27	19.31	19.38	19.35								
Channel																
Frequency (MHz)																
5	QPSK	1	0	19.46	19.41	19.50	19.16	19.46	20.8	0						
5	QPSK	1	19	19.32	19.13	19.42	19.27	19.40								
5	QPSK	1	24	19.20	19.26	19.34	19.39	19.35								
5	QPSK	12	0	19.30	19.29	19.45	19.26	19.19								
5	QPSK	12	7	19.29	19.28	19.43	19.25	19.39	20.8	0						
5	QPSK	12	19	19.41	19.27	19.32	19.28	19.32								
5	QPSK	25	0	19.26	19.21	19.49	19.29	19.35	20.8	0						
5	16QAM	1	0	19.40	19.22	19.31	19.25	19.30								
5	16QAM	1	19	19.29	19.35	19.36	19.16	19.38								
5	16QAM	1	24	19.31	19.33	19.27	19.25	19.36								
5	16QAM	25	0	19.30	19.16	19.44	19.38	19.45	20.8	0						
5	16QAM	12	7	19.30	19.18	19.44	19.21	19.34								
5	16QAM	12	19	19.39	19.29	19.47	19.43	19.27								
5	16QAM	25	0	19.29	19.12	19.43	19.23	19.35								
5	64QAM	1	0	19.32	19.10	19.44	19.33	19.27	20.8	0						
5	64QAM	1	19	19.37	19.33	19.41	19.19	19.40								
5	64QAM	1	24	19.29	19.30	19.37	19.26	19.38								
5	64QAM	12	0	19.34	19.25	19.32	19.21	19.35								
5	64QAM	25	0	19.42	19.23	19.43	19.13	19.40	20.8	0						
5	64QAM	25	0	19.34	19.26	19.42	19.20	19.32								
5	64QAM	25	19	19.32	19.19	19.38	19.20	19.38								
5	256QAM	1	0	19.26	19.31	19.48	19.22	19.40								
5	256QAM	1	19	19.28	19.15	19.35	19.27	19.31	20.8	0						
5	256QAM	1	24	19.33	19.17	19.37	19.28	19.38								
5	256QAM	12	7	19.43	19.22	19.37	19.21	19.30								
5	256QAM	12	19	19.36	19.17	19.49	19.15	19.20								
5	256QAM	25	0	19.27	19.24	19.43	19.27	19.43								
5	256QAM	25	19	19.42	19.24	19.42	19.12	19.31								

OSM1900 Ant				OSM2 Standalone			
OSM1900 Ant	Beam Power (mW)			Limit	Frame-Average Power (dBm)		
TX Channel	812	861	810	Limit	812	861	810
Frequency (MHz)	1892.2	1892	1892.2	(dBm)	1892.2	1892	1892.2
OSM 1 Tx Wd	28.73	28.81	28.87	29.10	18.73	18.81	18.87
OSM 1 Tx Wd	28.84	28.76	28.68	29.10	18.84	18.76	18.68
OSM 3 Tx Wd	24.97	25.00	24.98	26.10	18.97	19.00	18.98
OSM 3 Tx Wd	22.72	22.81	22.70	24.50	18.48	18.55	18.44
OSM 4 Tx Wd	21.66	21.71	21.72	23.70	18.66	18.71	18.72
EDGE 1 Tx Wd	25.86	25.13	24.99	26.00	18.06	16.13	15.99
EDGE 2 Tx Wd	23.83	23.42	23.40	24.50	17.33	17.43	18.50
EDGE 3 Tx Wd	22.21	22.55	22.25	23.50	17.85	18.00	17.89
EDGE 4 Tx Wd	20.13	20.18	20.08	21.00	17.13	17.18	17.08
OSM2 Standalone WCDMA 1 Ant				OSM2 Standalone WCDMA 1 Ant			
Beam	WCDMA II			Limit	WCDMA IV		
TX Channel	5882	5880	5838	Limit	5512	5493	5513
Rx Channel	5882	5880	5838	(dBm)	5512	5498	5798
Frequency (MHz)	15.52	15.52	15.52	(dBm)	15.52	15.54	15.52
SOPP Rel 99	15.52	17.09	17.05	19.00	15.52	15.54	15.52
SOPP Rel 99	RNC 12 200w	17.81	17.83	19.00	18.34	18.45	19.37
SOPP Rel 9	HS-PA Subcar-1	17.05	17.70	17.03	18.00	18.30	18.44
SOPP Rel 6	HS-PA Subcar-2	17.86	17.12	17.05	18.00	18.33	18.24
SOPP Rel 6	HS-PA Subcar-3	16.57	16.24	16.43	18.00	18.27	17.80
SOPP Rel 6	HS-PA Subcar-4	16.48	16.60	16.52	18.40	17.81	17.04
SOPP Rel 6	DC-HSPA Subcar-1	16.95	17.08	16.95	18.00	18.34	18.52
SOPP Rel 6	DC-HSPA Subcar-2	16.95	17.08	17.08	18.00	18.32	18.43
SOPP Rel 6	DC-HSPA Subcar-3	16.48	16.48	16.45	18.40	17.81	17.80
SOPP Rel 6	DC-HSPA Subcar-4	16.44	16.51	16.44	18.40	17.71	17.71
SOPP Rel 6	HS-PA Subcar-1	17.83	17.19	16.92	18.00	18.44	18.82
SOPP Rel 6	HS-PA Subcar-2	16.13	16.02	16.13	18.00	18.55	18.44
SOPP Rel 6	HS-PA Subcar-3	16.11	16.01	16.05	17.00	17.49	17.40
SOPP Rel 6	HS-PA Subcar-4	14.93	15.14	15.13	18.00	16.27	16.43
SOPP Rel 6	HS-PA Subcar-5	16.93	16.92	16.92	18.00	18.31	18.32



Band 2 DS12_ Standalone Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch./Freq.	Power High Mod Ch./Freq.	Power Low Mod Ch./Freq.	Turn-up Time (s)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.10	18.10	18.15				
20	QPSK	1	49	18.15	18.15	18.20	10.8	0		
20	QPSK	1	99	18.03	18.11	18.07				
20	QPSK	50	0	18.02	18.10	18.09				
20	QPSK	50	24	17.88	18.07	17.92	10.8	0		
20	QPSK	50	50	17.91	17.99	17.82				
20	QPSK	100	0	17.88	18.01	17.99				
20	QPSK	100	0	18.01	18.08	17.99				
20	HQAM	1	49	17.93	17.96	17.88	10.8	0		
20	HQAM	1	99	17.96	17.98	17.88				
20	HQAM	50	0	17.96	18.05	17.99				
20	HQAM	50	24	17.90	18.05	17.93	10.8	0		
20	HQAM	50	50	17.85	18.10	17.84				
20	HQAM	100	0	17.87	17.99	17.91				
20	HQAM	1	0	17.86	17.96	17.95				
20	HQAM	1	49	17.92	17.98	17.96	10.8	0		
20	HQAM	50	0	17.97	18.12	18.09				
20	HQAM	50	0	17.89	18.05	17.96				
20	HQAM	50	24	17.92	17.98	17.89	10.8	0		
20	HQAM	50	25	17.83	17.91	17.88				
20	HQAM	100	0	17.97	17.98	17.82				
20	HQAM	1	49	17.76	17.94	17.89	10.8	0		
20	25QAM	1	99	17.75	17.85	17.83				
20	25QAM	50	0	17.72	17.85	17.82				
20	25QAM	50	24	17.92	17.93	17.79	10.8	0		
20	25QAM	50	50	17.72	17.77	17.88				
20	25QAM	100	0	17.70	17.80	17.79				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.07	18.09	18.07				
15	QPSK	1	37	17.95	18.05	17.88	10.8	0		
15	QPSK	1	74	17.96	18.00	17.94				
15	QPSK	36	0	17.88	17.97	17.91				
15	QPSK	36	20	17.78	17.98	17.82	10.8	0		
15	QPSK	36	36	17.82	17.83	17.75				
15	QPSK	75	0	17.84	17.90	17.86				
15	HQAM	1	0	17.87	17.97	17.82				
15	HQAM	1	37	17.85	17.90	17.77	10.8	0		
15	HQAM	1	74	17.85	17.83	17.71				
15	HQAM	36	0	17.85	17.86	17.88				
15	HQAM	36	20	17.87	17.89	17.80	10.8	0		
15	HQAM	36	36	17.75	17.81	17.82				
15	HQAM	75	0	17.87	17.80	17.74				
15	HQAM	1	0	17.77	17.85	17.82				
15	25QAM	1	37	17.84	17.88	17.76	10.8	0		
15	25QAM	1	74	17.88	17.88	17.71				
15	25QAM	36	0	17.84	17.84	17.66				
15	25QAM	36	20	17.77	17.85	17.88	10.8	0		
15	25QAM	36	36	17.64	17.70	17.73				
15	25QAM	75	0	17.64	17.63	17.71				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.07	18.10	18.10				
10	QPSK	1	25	17.97	18.07	17.94	10.8	0		
10	QPSK	1	49	17.97	17.99	18.04				
10	QPSK	25	0	17.97	18.05	17.92				
10	QPSK	25	12	17.74	18.00	17.87	10.8	0		
10	QPSK	25	25	17.84	17.88	17.74				
10	HQAM	1	0	17.89	17.97	17.91				
10	HQAM	1	25	17.87	17.81	17.72	10.8	0		
10	HQAM	1	49	17.80	17.86	17.79				
10	HQAM	25	0	17.86	17.92	17.92				
10	HQAM	25	12	17.85	17.89	17.87	10.8	0		
10	HQAM	25	25	17.84	18.00	17.88				
10	HQAM	50	0	17.78	17.91	17.84				
10	HQAM	1	0	17.83	17.85	17.81				
10	HQAM	1	25	17.84	17.83	17.71	10.8	0		
10	HQAM	1	49	17.86	18.07	17.89				
10	HQAM	25	0	17.75	17.96	17.88				
10	HQAM	25	12	17.84	17.88	17.82	10.8	0		
10	HQAM	25	25	17.72	17.79	17.74				
10	HQAM	50	0	17.84	17.89	17.75				
10	25QAM	1	0	17.82	17.88	17.82				
10	25QAM	1	25	17.72	17.83	17.79	10.8	0		
10	25QAM	1	49	17.64	17.80	17.68				
10	25QAM	25	0	17.87	17.83	17.65				
10	25QAM	25	12	17.78	17.85	17.73	10.8	0		
10	25QAM	25	25	17.67	17.72	17.70				
10	25QAM	50	0	17.62	17.77	17.75				
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.85	18.15	18.15				
5	QPSK	1	12	17.89	18.05	17.90	10.8	0		
5	QPSK	1	24	17.88	17.88	18.01				
5	QPSK	12	0	17.87	17.97	17.87				
5	QPSK	12	7	17.74	17.88	17.82	10.8	0		
5	QPSK	12	13	17.85	17.89	17.73				
5	QPSK	25	0	17.83	17.93	17.84				
5	HQAM	1	0	17.86	17.97	17.92				
5	HQAM	1	12	17.84	17.87	17.81	10.8	0		
5	HQAM	1	24	17.82	17.80	17.71				
5	HQAM	12	0	17.80	17.91	17.81				
5	HQAM	12	7	17.84	18.01	17.81	10.8	0		
5	HQAM	12	13	17.82	17.88	17.84				
5	HQAM	25	0	17.81	17.88	17.79				
5	HQAM	1	0	17.73	17.87	17.83				
5	HQAM	1	12	17.79	17.83	17.82	10.8	0		
5	HQAM	1	24	17.84	17.97	17.81				
5	HQAM	12	0	17.81	17.96	17.88				
5	HQAM	12	7	17.87	17.90	17.83	10.8	0		
5	HQAM	12	13	17.80	17.77	17.79				
5	HQAM	25	0	17.82	17.85	17.86				
5	HQAM	1	0	17.74	17.88	17.78				
5	25QAM	1	12	17.84	17.83	17.81	10.8	0		
5	25QAM	1	24	17.63	17.85	17.76				
5	25QAM	12	0	17.83	17.84	17.63				
5	25QAM	12	7	17.85	17.88	17.82	10.8	0		
5	25QAM	12	13	17.86	17.74	17.72				
5	25QAM	25	0	17.63	17.82	17.86				
Channel										
Frequency (MHz)										
3	QPSK	1	0	18.07	18.13	18.13				
3	QPSK	1	8	18.00	18.03	17.88	10.8	0		
3	QPSK	1	14	17.98	18.08	17.95				
3	QPSK	8	0	17.98	18.01	17.87				
3	QPSK	8	4	17.75	17.95	17.89	10.8	0		
3	QPSK	8	7	17.87	17.88	17.71				
3	QPSK	15	0	17.84	17.87	17.85				
3	HQAM	1	0	17.90	17.95	17.84				
3	HQAM	1	8	17.82	17.88	17.79	10.8	0		
3	HQAM	1	14	17.81	17.86	17.81				
3	HQAM	8	0	17.83	17.91	17.84				
3	HQAM	8	4	17.79	17.98	17.87	10.8	0		
3	HQAM	8	7	17.82	18.00	17.82				
3	HQAM	15	0	17.74	17.89	17.85				
3	HQAM	1	0	17.74	17.83	17.88				
3	HQAM	1	8	17.86	17.82	17.86	10.8	0		
3	HQAM	1	14	17.87	18.00	17.96				
3	HQAM	8	0	17.75	17.89	17.82				
3	HQAM	8	7	17.83	17.83	17.78	10.8	0		
3	HQAM	8	7	17.76	17.83	17.78				
3	HQAM	15	0	17.81	17.90	17.85				
3	25QAM	1	0	17.81	17.90	17.85				
3	25QAM	1	8	17.68	17.83	17.83	10.8	0		
3	25QAM	1	14	17.64	17.86	17.81				
3	25QAM	8	0	17.72	17.86	17.73				
3	25QAM	8	4	17.87	17.83	17.85	10.8	0		
3	25QAM	8	7	17.81	17.84	17.77				
3	25QAM	15	0	17.63	17.82	17.82				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	18.07	18.13	18.13				
1.4	QPSK	1	8	18.00	18.03	17.88	10.8	0		
1.4	QPSK	1	14	17.98	18.07	18.02				
1.4	QPSK	1	8	18.00	18.03	17.88				
1.4	QPSK	3	0	17.88	18.02	17.96	10.8	0		
1.4	QPSK	3	3	17.96	18.05	18.05				
1.4	QPSK	3	3	17.77	17.88	17.88				
1.4	QPSK	3	3	17.77	17.89	17.88				
1.4	QPSK	6	0	17.86	17.87	17.81	10.8	0		
1.4	QPSK	6	3	17.99	17.94	17.94				
1.4	QPSK	3	3	17.82	17.83	17.82				
1.4	QPSK	3	3	17.82	17.88	17.74				
1.4	QPSK	6	0	17.99	17.94	17.94	10.8	0		
1.4	HQAM	3	1	17.76	17.92	17.88				
1.4	HQAM	3	3	17.87	17.86	17.86				
1.4	HQAM	3	3	17.80	17.84	17.78	10.8	0		
1.4	HQAM	6	0	17.80	17.85	17.81				
1.4	HQAM	6	3	17.85	17.82	17.82				
1.4	HQAM	3	3	17.93	18.03	17.90				
1.4	HQAM	3	3	17.86	17.81	17.87	10.8	0		
1.4	HQAM	6	0	17.82	17.81	17.80				
1.4										

Band 25 DS12_Standalone Ant 3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 26145	Power Mid Ch./Freq. 26146	Power High Ch./Freq. 26147	Turn-up time (sec)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	18.21	18.20	18.20	19.6	0			
20	QPSK	1	49	18.15	18.22	18.11					
20	QPSK	1	99	18.13	18.16	18.16					
20	QPSK	50	0	18.04	18.24	18.18					
20	QPSK	50	24	17.95	18.24	18.04	19.6	0			
20	QPSK	50	50	18.03	18.11	17.82					
20	QPSK	100	0	18.06	18.15	18.06					
20	16QAM	1	49	18.13	18.15	18.05					
20	16QAM	1	99	18.15	18.14	18.02	19.6	0			
20	16QAM	50	0	18.09	18.16	18.07					
20	16QAM	50	24	18.01	18.07	18.06					
20	16QAM	50	50	18.12	18.16	18.06					
20	16QAM	100	0	17.92	18.15	17.96	19.6	0			
20	64QAM	1	0	17.95	18.10	18.00					
20	64QAM	1	49	17.98	18.16	18.02					
20	64QAM	1	99	17.95	18.04	17.94					
20	256QAM	50	0	17.92	18.04	17.93	19.6	0			
20	256QAM	50	24	17.93	18.04	17.90					
20	256QAM	50	50	17.77	17.86	17.82					
20	256QAM	100	0	17.82	17.85	17.84					
Channel											
Frequency (MHz)											
18	QPSK	1	0	18.12	18.22	18.19	19.6	0			
18	QPSK	1	37	18.09	18.10	18.05					
18	QPSK	1	74	17.99	18.10	18.03					
18	QPSK	36	0	17.98	18.14	18.05					
18	QPSK	36	25	17.83	18.15	17.82	19.6	0			
18	QPSK	36	39	17.85	18.01	17.78					
18	QPSK	75	0	18.03	18.09	17.87					
18	16QAM	1	0	18.00	18.09	17.83					
18	16QAM	1	37	17.92	17.84	17.79	19.6	0			
18	16QAM	1	74	18.00	18.09	17.83					
18	16QAM	36	0	18.04	18.13	17.83					
18	16QAM	36	20	17.93	17.87	17.85					
18	16QAM	36	25	17.87	17.93	17.83	19.6	0			
18	16QAM	75	0	17.78	17.98	17.83					
18	64QAM	1	0	17.78	18.01	17.88					
18	64QAM	1	37	17.86	18.07	17.83					
18	64QAM	1	74	17.92	18.05	17.92	19.6	0			
18	64QAM	36	0	17.90	18.13	17.99					
18	64QAM	36	20	17.83	18.04	17.84					
18	64QAM	36	39	17.83	17.93	17.83					
18	64QAM	75	0	18.03	18.00	17.83	19.6	0			
18	256QAM	1	0	17.85	17.93	17.83					
18	256QAM	1	37	17.80	18.03	17.92					
18	256QAM	1	74	17.87	17.84	17.85					
18	256QAM	36	20	17.87	17.94	17.85	19.6	0			
18	256QAM	36	25	17.81	17.92	17.81					
18	256QAM	36	20	17.89	17.95	17.79					
18	256QAM	36	39	17.88	17.74	17.83					
18	256QAM	75	0	17.78	17.84	17.78	19.6	0			
Channel											
Frequency (MHz)											
18	QPSK	1	0	18.01	18.20	18.19	19.6	0			
18	QPSK	1	25	18.02	18.09	17.96					
18	QPSK	1	49	18.07	18.07	18.13					
18	QPSK	36	0	17.96	18.08	18.05					
18	QPSK	36	25	17.92	18.10	17.95	19.6	0			
18	QPSK	25	25	17.96	18.03	17.84					
18	QPSK	75	0	18.00	18.09	17.85					
18	16QAM	1	0	18.03	18.05	17.94					
18	16QAM	1	26	17.88	18.06	17.89	19.6	0			
18	16QAM	1	49	17.88	18.05	17.86					
18	16QAM	25	0	17.92	18.04	18.02					
18	16QAM	25	12	17.86	18.03	17.89					
18	16QAM	50	0	17.81	18.00	17.83	19.6	0			
18	64QAM	1	0	17.78	17.95	17.87					
18	64QAM	1	24	17.85	18.08	17.82					
18	64QAM	1	49	17.88	18.05	17.86					
18	64QAM	25	0	17.92	18.04	18.02	19.6	0			
18	64QAM	25	12	17.86	18.03	17.89					
18	64QAM	50	0	17.81	17.95	17.87					
18	256QAM	1	0	17.85	17.93	17.83					
18	256QAM	1	26	17.85	18.05	17.86	19.6	0			
18	256QAM	1	49	17.84	17.91	17.81					
18	256QAM	25	0	17.80	18.02	17.78					
18	256QAM	25	12	17.89	17.89	17.77					
18	256QAM	25	25	17.74	17.72	17.75	19.6	0			
18	256QAM	50	0	17.77	17.82	17.75					
Channel											
Frequency (MHz)											
18	QPSK	1	0	18.08	18.23	18.23	19.6	0			
18	QPSK	1	12	18.08	18.17	18.05					
18	QPSK	1	24	18.06	18.08	18.05					
18	QPSK	12	0	18.10	18.13	18.12					
18	QPSK	12	7	17.86	18.07	17.90	19.6	0			
18	QPSK	12	13	17.88	17.89	17.87					
18	QPSK	25	0	18.03	18.09	17.85					
18	16QAM	1	0	18.01	18.06	18.00					
18	16QAM	1	12	17.93	17.86	17.85	19.6	0			
18	16QAM	1	24	18.01	18.09	17.87					
18	16QAM	12	0	17.95	18.13	18.04	19.6	0			
18	16QAM	12	7	17.88	17.89	17.87					
18	16QAM	25	0	18.00	18.09	17.85					
18	16QAM	25	12	17.93	17.87	17.85					
18	16QAM	50	0	17.77	18.06	17.87	19.6	0			
18	16QAM	50	12	17.84	18.06	17.87					
18	16QAM	1	12	17.89	18.01	17.93					
18	16QAM	1	24	17.91	18.07	18.04					
18	16QAM	12	13	17.84	17.97	17.96	19.6	0			
18	16QAM	12	19	18.04	18.06	18.04					
18	16QAM	25	0	17.87	17.97	17.86					
18	16QAM	25	12	17.80	18.00	17.89					
18	16QAM	50	0	17.76	18.00	17.84	19.6	0			
18	16QAM	50	12	17.82	17.95	17.86					
18	16QAM	1	12	17.88	17.85	17.85					
18	16QAM	1	24	17.81	17.91	17.83					
18	16QAM	12	13	17.86	17.78	17.86	19.6	0			
18	16QAM	12	19	17.85	17.85	17.85					
18	16QAM	25	0	17.81	17.91	17.83					
18	16QAM	25	12	17.89	17.89	17.87					
18	16QAM	50	0	17.76	17.90	17.74	19.6	0			
18	16QAM	50	12	17.82	17.83	17.82					
18	16QAM	1	12	17.89	18.01	17.93					
18	16QAM	1	24	17.91	18.07	18.04					
18	16QAM	12	13	17.84	17.97	17.96	19.6	0			
18	16QAM	12	19	18.04	18.06	18.04					
18	16QAM	25	0	17.87	17.97	17.86					
18	16QAM	25	12	17.80	18.00	17.89					
18	16QAM	50	0	17.76	18.00	17.84	19.6	0			
18	16QAM	50	12	17.82	17.95	17.86					
18	16QAM	1	12	17.88	17.85	17.85					
18	16QAM	1	24	17.81	17.91	17.83					
18	16QAM	12	13	17.86	17.78	17.86	19.6	0			
18	16QAM	12	19	17.85	17.85	17.85					
18	16QAM	25	0	17.81	17.91	17.83					
18	16QAM	25	12	17.89	17.89	17.87					
18	16QAM	50	0	17.76	17.90	17.74	19.6	0			
18	16QAM	50	12	17.82	17.83	17.82					
18	16QAM	1	12	17.89	18.01	17.93					
18	16QAM	1	24	17.91	18.07	18.04					
18	16QAM	12	13	17.84	17.97	17.96	19.6	0			
18	16QAM	12	19	18.04	18.06	18.04					
18	16QAM	25	0	17.87	17.97	17.86					
18	16QAM	25	12	17.80	18.00	17.89					
18	16QAM	50	0	17.76	18.00	17.84	19.6	0			
18	16QAM	50	12	17.82	17.95	17.86					
18	16QAM	1	12	17.88	17.85	17.85					
18	16QAM	1	24	17.81	17.91	17.83					
18	16QAM	12	13	17.86	17.78	17.86	19.6	0			
18	16QAM	12	19	17.85	17.85	17.85					
18	16QAM	25	0	17.81	17.91	17.83					
18	16QAM	25	12	17.89	17.89	17.87					
18	16QAM	50	0	17.76	17.90	17.74	19.6	0			
18	16QAM	50	12	17.82	17.83	17.82					
18	16QAM	1	12	17.89	18.01	17.93					
18	16QAM	1	24	17.91	18.07	18.04					
18	16QAM	12	13	17.84	17.97	17.96	19.6	0			
18	16QAM	12	19	18.04	18.06	18.04					
18	16QAM	25	0	17.87	17.97	17.86					
18	16QAM	25	12	17.80	18.00	17.89					
18	16QAM	50	0	17.76	18.00	17.84	19.6	0			
18	16QAM	50	12	17.82	17.95	17.86					
18	16QAM	1	12	17.88	17.85	17.85					
18	16QAM	1	24	17.81	17.91	17.83					
18	16QAM	12	13	17.86	17.78	17.86	19.6	0			
18	16QAM	12	19	17.85	17.85	17.85					
18	16QAM	25	0	17.81	17.91	17.83					
18	16QAM	25	12	17.89	17.89	17.87					
18	16QAM	50	0	17.76	17.90	17.74	19.6	0			
18	16QAM	50	12	17.82	17.83	17.82					
18	16QAM	1	12	17.89	18.01	17.93					
18	16QAM	1	24	17.91	18.07	18.04					
18	16QAM	12	13	17.84	17.97	17.96	19.6	0			
18	16QAM	12	19	18.04	18.06	18.04					
18	16QAM	25	0	17.87	17.97	17.86					
18	16QAM	25	12	17.80	18.00	17.89					
18	16QAM	50	0	17.76	18.00	17.84	19.6	0			
18	16QAM	50	12	17.82	17.95	17.86					
18	16QAM	1	12	17.88	17.85	17.85					
18	16QAM	1	24	17.81	17.91	17.83					
18	16QAM	12	13	17.86	17.78	17.86	19.6	0			
18	16QAM	12	19	17.85							



Band 38 FCC&IC DSI2_Standalone Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel Frequency (MHz)				37850	38000	38150	21.1	0	
				2580	2595	2610			
				19.54	19.66	19.49			
20	QPSK	1	0	19.52	19.39	19.61	21.1	0	
20	QPSK	1	49	19.53	19.48	19.52			
20	QPSK	50	0	19.46	19.53	19.39			
20	QPSK	50	24	19.23	19.48	19.48	21.1	0	
20	QPSK	50	50	19.25	19.44	19.38			
20	QPSK	100	0	19.28	19.42	19.41			
20	16QAM	1	0	19.46	19.51	19.43	21.1	0	
20	16QAM	1	49	19.29	19.55	19.22			
20	16QAM	1	99	19.40	19.55	19.33			
20	16QAM	50	0	19.34	19.39	19.34	21.1	0	
20	16QAM	50	24	19.38	19.50	19.24			
20	16QAM	50	50	19.48	19.28	19.30			
20	16QAM	100	0	19.36	19.27	19.37	21.1	0	
20	64QAM	1	0	19.39	19.51	19.16			
20	64QAM	1	49	19.28	19.46	19.35			
20	64QAM	1	99	19.51	19.51	19.32	21.1	0	
20	64QAM	50	0	19.39	19.48	19.36			
20	64QAM	50	24	19.45	19.38	19.27			
20	64QAM	50	50	19.49	19.63	19.17	20.5	0.6	
20	64QAM	100	0	19.42	19.45	19.37			
20	256QAM	1	0	19.56	19.49	19.34			
20	256QAM	1	49	19.30	19.41	19.43	20.5	0.6	
20	256QAM	1	99	19.45	19.41	19.45			
20	256QAM	50	0	19.41	19.56	19.09			
20	256QAM	50	24	19.39	19.52	19.26	20.5	0.6	
20	256QAM	50	50	19.32	19.35	19.24			
20	256QAM	100	0	19.25	19.24	19.25			
Channel Frequency (MHz)				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
				2577.5	2595	2612.5	21.1	0	
				19.51	19.58	19.39			
15	QPSK	1	0	19.44	19.35	19.58	21.1	0	
15	QPSK	1	74	19.49	19.38	19.43			
15	QPSK	36	0	19.44	19.49	19.37			
15	QPSK	36	20	19.17	19.41	19.44	21.1	0	
15	QPSK	36	39	19.16	19.34	19.31			
15	QPSK	75	0	19.19	19.34	19.36			
15	16QAM	1	0	19.37	19.44	19.34	21.1	0	
15	16QAM	1	37	19.26	19.52	19.19			
15	16QAM	1	74	19.36	19.47	19.30			
15	16QAM	36	0	19.31	19.30	19.27	21.1	0	
15	16QAM	36	20	19.29	19.44	19.16			
15	16QAM	36	39	19.40	19.25	19.20			
15	16QAM	75	0	19.30	19.23	19.33	21.1	0	
15	64QAM	1	0	19.33	19.44	19.12			
15	64QAM	1	37	19.22	19.38	19.30			
15	64QAM	1	74	19.49	19.42	19.28	21.1	0	
15	64QAM	36	0	19.34	19.43	19.27			
15	64QAM	36	20	19.38	19.29	19.23			
15	64QAM	36	39	19.44	19.54	19.13	20.5	0.6	
15	64QAM	75	0	19.34	19.42	19.32			
15	256QAM	1	0	19.53	19.46	19.25			
15	256QAM	1	37	19.23	19.38	19.33	20.5	0.6	
15	256QAM	1	74	19.40	19.36	19.40			
15	256QAM	36	0	19.31	19.49	19.07			
15	256QAM	36	20	19.34	19.49	19.20	20.5	0.6	
15	256QAM	36	39	19.27	19.31	19.15			
15	256QAM	75	0	19.20	19.20	19.22			
Channel Frequency (MHz)				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
				2575	2595	2615	21.1	0	
				19.50	19.61	19.39			
10	QPSK	1	0	19.47	19.34	19.52	21.1	0	
10	QPSK	1	49	19.50	19.42	19.49			
10	QPSK	25	0	19.40	19.46	19.35			
10	QPSK	25	12	19.16	19.41	19.40	21.1	0	
10	QPSK	25	25	19.19	19.35	19.28			
10	QPSK	50	0	19.23	19.35	19.35			
10	16QAM	1	0	19.38	19.49	19.41	21.1	0	
10	16QAM	1	25	19.26	19.49	19.17			
10	16QAM	1	49	19.34	19.48	19.23			
10	16QAM	25	0	19.29	19.35	19.26	21.1	0	
10	16QAM	25	12	19.35	19.41	19.15			
10	16QAM	25	25	19.40	19.19	19.25			
10	16QAM	50	0	19.31	19.18	19.32	21.1	0	
10	64QAM	1	0	19.31	19.46	19.11			
10	64QAM	1	25	19.24	19.37	19.33			
10	64QAM	1	49	19.46	19.42	19.23	21.1	0	
10	64QAM	25	0	19.29	19.39	19.27			
10	64QAM	25	12	19.39	19.32	19.20			
10	64QAM	25	25	19.43	19.57	19.12	20.5	0.6	
10	64QAM	50	0	19.38	19.39	19.29			
10	256QAM	1	0	19.53	19.45	19.32			
10	256QAM	1	25	19.24	19.34	19.33	20.5	0.6	
10	256QAM	1	49	19.40	19.35	19.36			
10	256QAM	25	0	19.31	19.50	19.04			
10	256QAM	25	12	19.37	19.46	19.21	20.5	0.6	
10	256QAM	25	25	19.26	19.31	19.21			
10	256QAM	50	0	19.19	19.17	19.20			
Channel Frequency (MHz)				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
				2572.5	2595	2617.5	21.1	0	
				19.51	19.59	19.44			
5	QPSK	1	0	19.44	19.31	19.59	21.1	0	
5	QPSK	1	12	19.44	19.31	19.59			
5	QPSK	1	24	19.50	19.43	19.48			
5	QPSK	12	0	19.40	19.43	19.30	21.1	0	
5	QPSK	12	7	19.19	19.46	19.41			
5	QPSK	12	13	19.21	19.36	19.29			
5	QPSK	25	0	19.26	19.39	19.34	21.1	0	
5	16QAM	1	0	19.40	19.44	19.40			
5	16QAM	1	12	19.20	19.47	19.17			
5	16QAM	1	24	19.37	19.45	19.26	21.1	0	
5	16QAM	12	0	19.26	19.29	19.26			
5	16QAM	12	7	19.34	19.47	19.16			
5	16QAM	12	13	19.40	19.22	19.24	21.1	0	
5	16QAM	25	0	19.31	19.24	19.28			
5	64QAM	1	0	19.34	19.45	19.15			
5	64QAM	1	12	19.22	19.41	19.25	21.1	0	
5	64QAM	1	24	19.49	19.47	19.27			
5	64QAM	12	0	19.31	19.38	19.28			
5	64QAM	12	7	19.38	19.30	19.24	21.1	0	
5	64QAM	12	13	19.41	19.59	19.15			
5	64QAM	25	0	19.33	19.40	19.29			
5	256QAM	1	0	19.50	19.46	19.31	20.5	0.6	
5	256QAM	1	12	19.25	19.35	19.37			
5	256QAM	1	24	19.41	19.37	19.36			
5	256QAM	12	0	19.35	19.52	19.02	20.5	0.6	
5	256QAM	12	7	19.36	19.46	19.17			
5	256QAM	12	13	19.26	19.27	19.16			
5	256QAM	25	0	19.22	19.18	19.21			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.45	19.66	19.71	19.62	19.61	21.1	0
20	QPSK	1	49	19.64	19.62	19.60	19.59	19.58		
20	QPSK	1	99	19.56	19.60	19.62	19.56	19.53	21.1	0
20	QPSK	50	0	19.52	19.53	19.65	19.53	19.49		
20	QPSK	50	24	19.48	19.44	19.53	19.49	19.57	21.1	0
20	QPSK	50	50	19.43	19.43	19.58	19.40	19.39		
20	QPSK	100	0	19.44	19.45	19.61	19.40	19.60	21.1	0
20	16QAM	1	0	19.40	19.49	19.51	19.50	19.59		
20	16QAM	1	49	19.31	19.50	19.55	19.39	19.45	21.1	0
20	16QAM	1	99	19.48	19.43	19.55	19.46	19.48		
20	16QAM	50	0	19.40	19.37	19.60	19.41	19.42	21.1	0
20	16QAM	50	24	19.46	19.47	19.50	19.35	19.53		
20	16QAM	50	50	19.56	19.47	19.43	19.51	19.44	21.1	0
20	16QAM	100	0	19.41	19.45	19.45	19.46	19.29		
20	64QAM	1	0	19.53	19.58	19.59	19.38	19.38	21.1	0
20	64QAM	1	49	19.46	19.34	19.46	19.42	19.45		
20	64QAM	1	99	19.37	19.53	19.51	19.47	19.31	21	0.1
20	64QAM	50	0	19.56	19.37	19.55	19.40	19.56		
20	64QAM	50	24	19.42	19.50	19.58	19.47	19.46	19	2.1
20	64QAM	50	50	19.22	19.49	19.61	19.27	19.39		
20	64QAM	100	0	19.25	19.43	19.59	19.45	19.32	19	2.1
20	256QAM	1	0	18.42	18.31	18.52	18.40	18.47		
20	256QAM	1	49	18.38	18.35	18.52	18.31	18.41	19	2.1
20	256QAM	1	99	18.22	18.31	18.28	18.31	18.14		
20	256QAM	50	0	18.61	18.48	18.66	18.50	18.54	19	2.1
20	256QAM	50	24	18.41	18.46	18.51	18.43	18.36		
20	256QAM	50	50	18.43	18.35	18.49	18.38	18.42	19	2.1
20	256QAM	100	0	18.57	18.50	18.66	18.54	18.62		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.40	19.52	19.63	19.53	19.56	21.10	0
15	QPSK	1	37	19.53	19.60	19.48	19.56	19.52		
15	QPSK	1	74	19.43	19.48	19.57	19.47	19.50	21.1	0
15	QPSK	36	0	19.44	19.48	19.56	19.44	19.37		
15	QPSK	36	20	19.36	19.36	19.45	19.42	19.53	21.1	0
15	QPSK	36	39	19.29	19.38	19.55	19.34	19.36		
15	QPSK	75	0	19.33	19.38	19.55	19.33	19.56	21.1	0
15	16QAM	1	0	19.33	19.41	19.39	19.37	19.45		
15	16QAM	1	37	19.23	19.39	19.41	19.28	19.33	21.1	0
15	16QAM	1	74	19.35	19.30	19.42	19.39	19.42		
15	16QAM	36	0	19.27	19.26	19.51	19.29	19.34	21.1	0
15	16QAM	36	20	19.42	19.33	19.40	19.29	19.48		
15	16QAM	36	39	19.52	19.39	19.39	19.43	19.40	21.1	0
15	16QAM	75	0	19.30	19.43	19.37	19.39	19.19		
15	64QAM	1	0	19.44	19.47	19.57	19.30	19.33	21.1	0
15	64QAM	1	37	19.33	19.21	19.43	19.39	19.33		
15	64QAM	1	74	19.23	19.47	19.40	19.39	19.23	21	0.1
15	64QAM	36	0	19.43	19.31	19.41	19.35	19.53		
15	64QAM	36	20	19.39	19.46	19.55	19.41	19.44	19	2.1
15	64QAM	36	39	19.14	19.36	19.53	19.21	19.31		
15	64QAM	75	0	19.23	19.35	19.54	19.41	19.29	19	2.1
15	256QAM	1	0	18.32	18.18	18.40	18.26	18.34		
15	256QAM	1	37	18.24	18.20	18.41	18.16	18.35	19	2.1
15	256QAM	1	74	18.11	18.20	18.25	18.25	18.11		
15	256QAM	36	0	18.56	18.38	18.56	18.45	18.43	19	2.1
15	256QAM	36	20	18.37	18.32	18.42	18.30	18.22		
15	256QAM	36	39	18.28	18.23	18.37	18.24	18.30	19	2.1
15	256QAM	75	0	18.45	18.45	18.53	18.43	18.56		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.40	19.63	19.62	19.54	19.47	21.10	0
10	QPSK	1	25	19.56	19.57	19.52	19.46	19.51		
10	QPSK	1	49	19.48	19.48	19.51	19.44	19.41	21.1	0
10	QPSK	25	0	19.39	19.44	19.60	19.51	19.43		
10	QPSK	25	12	19.35	19.41	19.43	19.35	19.46	21.1	0
10	QPSK	25	25	19.31	19.36	19.48	19.38	19.25		
10	QPSK	50	0	19.36	19.34	19.51	19.31	19.47	21.1	0
10	16QAM	1	0	19.38	19.42	19.48	19.46	19.46		
10	16QAM	1	25	19.18	19.43	19.41	19.37	19.34	21.1	0
10	16QAM	1	49	19.41	19.34	19.52	19.41	19.46		
10	16QAM	25	0	19.30	19.33	19.48	19.39	19.31	21.1	0
10	16QAM	25	12	19.36	19.44	19.39	19.24	19.42		
10	16QAM	25	25	19.45	19.40	19.32	19.43	19.35	21.1	0
10	16QAM	50	0	19.32	19.42	19.41	19.35	19.26		
10	64QAM	1	0	19.51	19.53	19.52	19.30	19.33	21.1	0
10	64QAM	1	25	19.44	19.31	19.39	19.38	19.39		
10	64QAM	1	49	19.27	19.39	19.39	19.41	19.17	21	0.1
10	64QAM	25	0	19.44	19.26	19.44	19.36	19.51		
10	64QAM	25	12	19.30	19.40	19.55	19.40	19.36	19	2.1
10	64QAM	25	25	19.11	19.43	19.55	19.24	19.37		
10	64QAM	50	0	19.17	19.34	19.49	19.36	19.18	19	2.1
10	256QAM	1	0	18.35	18.27	18.38	18.36	18.35		
10	256QAM	1	25	18.26	18.23	18.46	18.26	18.30	19	2.1
10	256QAM	1	49	18.08	18.21	18.23	18.24	18.03		
10	256QAM	25	0	18.55	18.38	18.55	18.44	18.50	19	2.1
10	256QAM	25	12	18.32	18.42	18.37	18.39	18.29		
10	256QAM	25	25	18.30	18.31	18.41	18.25	18.36	19	2.1
10	256QAM	50	0	18.52	18.39	18.62	18.45	18.58		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.31	19.58	19.60	19.51	19.55	21.10	0
5	QPSK	1	12	19.53	19.57	19.50	19.54	19.45		
5	QPSK	1	24	19.48	19.51	19.55	19.45	19.45	21.1	0
5	QPSK	12	0	19.38	19.51	19.58	19.47	19.39		
5	QPSK	12	7	19.45	19.39	19.49	19.43	19.50	21.1	0
5	QPSK	12	13	19.37	19.33	19.51	19.32	19.30		
5	QPSK	25	0	19.37	19.37	19.49	19.29	19.57	21.1	0
5	16QAM	1	0	19.28	19.41	19.42	19.47	19.56		
5	16QAM	1	12	19.20	19.47	19.50	19.25	19.38	21.1	0
5	16QAM	1	24	19.46	19.37	19.46	19.42	19.39		
5	16QAM	12	0	19.29	19.24	19.57	19.36	19.32	21.1	0
5	16QAM	12	7	19.41	19.34	19.43	19.24	19.50		
5	16QAM	12	13	19.43	19.39	19.36	19.37	19.19	21.1	0
5	16QAM	25	0	19.39	19.33	19.38	19.34	19.16		
5	64QAM	1	0	19.41	19.51	19.54	19.29	19.26	21.1	0
5	64QAM	1	12	19.39	19.28	19.32	19.35	19.36		
5	64QAM	1	24	19.26	19.44	19.37	19.43	19.26	21	0.1
5	64QAM	12	0	19.53	19.27	19.43	19.28	19.49		
5	64QAM	12	7	19.28	19.36	19.55	19.44	19.34	21	0.1
5	64QAM	12	13	19.14	19.37	19.49	19.23	19.26		
5	64QAM	25	0	19.16	19.33	19.55	19.41	19.23	19	2.1
5	256QAM	1	0	18.36	18.24	18.40	18.27	18.44		
5	256QAM	1	12	18.26	18.24	18.46	18.21	18.30	19	2.1
5	256QAM	12	0	18.55	18.38	18.60	18.38	18.50		
5	256QAM	12	7	18.27	18.37	18.44	18.31	18.24	19	2.1
5	256QAM	12	13	18.33	18.21	18.38	18.34	18.35		
5	256QAM	25	0	18.47	18.38	18.54	18.49	18.48		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	22.7	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.07	21.24	21.30	21.26	21.20	22.7	0
20	QPSK	1	49	21.25	21.23	21.17	21.17	21.20		
20	QPSK	1	99	21.14	21.20	21.19	21.18	21.11	22.7	0
20	QPSK	50	0	21.07	21.17	21.19	21.15	21.06		
20	QPSK	50	24	21.03	21.07	21.11	21.10	21.16	22.7	0
20	QPSK	50	50	20.99	21.07	21.15	21.01	21.00		
20	QPSK	100	0	21.06	21.05	21.18	20.99	21.13	22.7	0
20	16QAM	1	0	21.02	21.11	21.14	21.07	21.12		
20	16QAM	1	49	20.93	21.03	21.07	20.92	20.99	22.7	0
20	16QAM	1	99	21.02	21.07	21.14	21.03	21.10		
20	16QAM	50	0	21.02	20.98	21.18	21.01	21.04	22.7	0
20	16QAM	50	24	21.05	21.05	21.06	20.98	21.13		
20	16QAM	50	50	21.09	21.08	21.05	21.06	21.03	22.7	0
20	16QAM	100	0	20.96	21.00	21.09	20.98	20.92		
20	64QAM	1	0	21.05	21.16	21.15	21.01	20.99	22.7	0
20	64QAM	1	49	21.04	20.97	21.06	21.04	21.09		
20	64QAM	1	99	20.97	21.05	21.06	21.00	20.92	22.7	0
20	64QAM	50	0	21.10	20.98	21.15	20.95	21.15		
20	64QAM	50	24	20.98	21.09	21.15	21.01	21.02	22.7	0
20	64QAM	50	50	20.85	21.05	21.22	20.88	20.92		
20	64QAM	100	0	20.89	20.97	21.12	20.99	20.85	22.7	0
20	256QAM	1	0	21.00	21.08	21.02	20.89	20.90		
20	256QAM	1	49	20.96	20.84	20.94	20.92	20.99	22.7	0
20	256QAM	1	99	20.92	20.98	20.97	20.96	20.83		
20	256QAM	50	0	21.02	20.90	21.08	20.92	21.10	22.7	0
20	256QAM	50	24	20.95	21.00	21.04	20.91	20.98		
20	256QAM	50	50	20.82	20.91	21.11	20.76	20.79	22.7	0
20	256QAM	100	0	20.83	20.86	21.05	20.91	20.83		
Channel				39725	40173	40620	41068	41515	23	0
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2682.5		
15	QPSK	1	0	20.98	21.16	21.23	21.12	21.17	22.7	0
15	QPSK	1	37	21.15	21.18	21.10	21.06	21.09		
15	QPSK	1	74	21.02	21.12	21.12	21.14	21.03	22.7	0
15	QPSK	36	0	21.00	21.13	21.08	21.03	21.03		
15	QPSK	36	20	20.98	20.97	21.03	21.07	21.07	22.7	0
15	QPSK	36	39	20.90	21.00	21.09	20.92	20.88		
15	QPSK	75	0	20.97	20.93	21.06	20.88	21.01	22.7	0
15	16QAM	1	0	20.93	21.08	21.04	21.00	21.02		
15	16QAM	1	37	20.85	20.89	21.01	20.82	20.87	22.7	0
15	16QAM	1	74	20.97	21.00	21.05	20.99	21.03		
15	16QAM	36	0	20.91	20.84	21.11	20.97	20.98	22.7	0
15	16QAM	36	20	21.01	20.95	20.93	20.85	21.09		
15	16QAM	36	39	20.96	21.04	20.95	20.97	20.91	22.7	0
15	16QAM	75	0	20.83	20.91	21.03	20.94	20.85		
15	64QAM	1	0	20.97	21.13	21.02	20.96	20.86	22.7	0
15	64QAM	1	37	21.00	20.92	21.04	21.01	21.07		
15	64QAM	1	74	20.94	20.97	20.98	20.94	20.81	22.7	0
15	64QAM	36	0	21.03	20.85	21.11	20.83	21.04		
15	64QAM	36	20	20.93	21.04	21.06	20.97	20.99	22.7	0
15	64QAM	36	39	20.78	20.95	21.20	20.81	20.85		
15	64QAM	75	0	20.77	20.92	21.00	20.86	20.77	22.7	0
15	256QAM	1	0	20.98	21.03	21.03	20.91	20.89		
15	256QAM	1	37	20.91	20.87	20.99	21.00	21.02	22.7	0
15	256QAM	1	74	20.88	20.97	20.93	20.88	20.84		
15	256QAM	36	0	20.97	20.89	21.01	20.91	21.10	22.7	0
15	256QAM	36	20	20.87	20.96	21.06	20.99	20.95		
15	256QAM	36	39	20.81	20.92	21.13	20.85	20.85	22.7	0
15	256QAM	75	0	20.85	20.95	21.08	20.92	20.73		
Channel				39700	40160	40620	41080	41540	23	0
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.01	21.13	21.18	21.14	21.09	22.7	0
10	QPSK	1	25	21.23	21.11	21.13	21.11	21.16		
10	QPSK	1	49	21.02	21.17	21.14	21.12	21.05	22.7	0
10	QPSK	25	0	21.00	21.12	21.16	21.04	21.01		
10	QPSK	25	12	20.92	20.98	21.00	21.06	21.07	22.7	0
10	QPSK	25	25	20.89	20.95	21.08	20.88	20.98		
10	QPSK	50	0	20.93	21.03	21.15	20.93	21.00	22.7	0
10	16QAM	1	0	20.98	20.98	21.02	21.03	21.03		
10	16QAM	1	25	20.91	20.96	21.05	20.84	20.91	22.7	0
10	16QAM	1	49	20.99	20.94	21.00	20.92	21.02		
10	16QAM	25	0	20.97	20.94	21.12	20.89	20.96	22.7	0
10	16QAM	25	12	20.91	21.03	21.03	20.90	21.00		
10	16QAM	25	25	21.05	21.04	20.94	20.94	20.98	22.7	0
10	16QAM	50	0	20.84	20.88	20.99	20.89	20.81		
10	64QAM	1	0	20.98	21.14	21.04	20.95	20.89	22.7	0
10	64QAM	1	25	20.92	20.86	21.00	21.00	21.06		
10	64QAM	1	49	20.85	20.95	20.99	20.88	20.82	22.7	0
10	64QAM	25	0	21.06	20.85	21.08	20.82	21.06		
10	64QAM	25	12	20.91	20.98	21.04	20.88	20.99	22.7	0
10	64QAM	25	25	20.81	21.01	21.14	20.79	20.81		
10	64QAM	50	0	20.79	20.88	21.02	20.94	20.80	22.7	0
10	256QAM	1	0	20.98	21.11	21.10	20.91	20.91		
10	256QAM	1	25	20.99	20.90	21.03	20.93	21.01	22.7	0
10	256QAM	1	49	20.85	20.95	20.95	20.95	20.89		
10	256QAM	25	0	21.01	20.95	21.13	20.91	21.08	22.7	0
10	256QAM	25	12	20.91	21.07	21.06	20.90	20.93		
10	256QAM	25	25	20.75	20.93	21.11	20.80	20.86	22.7	0
10	256QAM	50	0	20.83	20.90	21.02	20.86	20.78		
Channel				39675	40148	40620	41093	41565	23	0
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.98	21.15	21.18	21.20	21.13	22.7	0
5	QPSK	1	12	21.13	21.11	21.03	21.10	21.07		
5	QPSK	1	24	21.12	21.18	21.05	21.13	21.05	22.7	0
5	QPSK	12	0	20.99	21.05	21.10	21.12	20.99		
5	QPSK	12	7	20.93	21.01	21.03	21.03	21.02	22.7	0
5	QPSK	12	13	20.85	21.00	21.11	20.92	20.93		
5	QPSK	25	0	21.01	20.98	21.15	20.86	21.03	22.7	0
5	16QAM	1	0	20.97	21.07	21.12	21.01	21.07		
5	16QAM	1	12	20.83	21.00	20.94	20.80	20.94	22.7	0
5	16QAM	1	24	20.97	20.95	21.03	20.89	20.97		
5	16QAM	12	0	20.99	20.86	21.05	20.87	20.99	22.7	0
5	16QAM	12	7	21.00	20.99	21.00	20.86	21.11		
5	16QAM	12	13	21.03	20.97	20.94	21.03	20.93	22.7	0
5	16QAM	25	0	20.89	20.91	20.97	20.86	20.88		
5	64QAM	1	0	21.00	21.12	21.07	20.90	20.93	22.7	0
5	64QAM	1	12	20.93	20.89	20.99	20.94	21.02		
5	64QAM	1	24	20.90	21.01	20.93	20.90	20.86	22.7	0
5	64QAM	12	0	21.02	20.94	21.10	20.92	21.02		
5	64QAM	12	7	20.91	21.03	21.12	20.99	20.94	22.7	0
5	64QAM	12	13	20.79	20.94	21.18	20.79	20.80		
5	64QAM	25	0	20.79	20.92	21.05	20.89	20.75	22.7	0
5	256QAM	1	0	20.96	21.12	21.12	20.95	20.96		
5	256QAM	1	12	20.97	20.92	21.01	20.91	20.96	22.7	0
5	256QAM	1	24	20.83	21.01	20.97	20.94	20.78		
5	256QAM	12	0	21.00	20.88	21.11	20.82	21.04	22.7	0
5	256QAM	12	7	20.89	21.05	21.04	20.94	20.99		
5	256QAM	12	13	20.76	20.94	21.10	20.81	20.87	22.7	0
5	256QAM	25	0	20.86	20.91	21.07	20.88	20.72		

Reduced Power Mode for DS12-Simultaneous

GSM850 An10									
	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8		
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	32.90	32.97	32.94	33.50	23.90	23.97	23.94	24.50	
GPRS 1 Tx slot	32.83	32.94	32.91	33.50	23.83	23.94	23.91	24.50	
GPRS 2 Tx slots	29.30	29.41	29.26	30.50	23.30	23.41	23.26	24.50	
GPRS 3 Tx slots	28.91	28.98	28.86	30.00	24.65	24.72	24.60	25.74	
GPRS 4 Tx slots	26.41	26.47	26.40	27.50	23.41	23.47	23.40	24.50	
EDGE 1 Tx slot	25.42	25.46	25.37	26.50	16.42	16.46	16.37	17.50	
EDGE 2 Tx slots	23.77	23.89	23.79	25.00	17.77	17.89	17.79	19.00	
EDGE 3 Tx slots	22.66	22.69	22.62	23.50	16.40	16.43	16.36	19.24	
EDGE 4 Tx slots	20.59	20.63	20.60	21.50	17.59	17.63	17.60	18.50	

GSM1900 An10									
	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8		
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot	27.61	27.66	27.57	28.50	18.61	18.66	18.57	19.50	
GPRS 1 Tx slot	27.54	27.63	27.58	28.50	18.54	18.63	18.58	19.50	
GPRS 2 Tx slots	24.84	24.94	24.83	26.00	18.84	18.94	18.83	20.00	
GPRS 3 Tx slots	23.33	23.39	23.33	24.50	19.07	19.13	19.07	20.24	
GPRS 4 Tx slots	20.70	20.75	20.68	21.50	17.70	17.75	17.68	18.50	
EDGE 1 Tx slot	22.79	22.87	22.73	23.50	13.79	13.87	13.73	14.50	
EDGE 2 Tx slots	21.09	21.19	21.11	22.00	15.09	15.19	15.11	16.00	
EDGE 3 Tx slots	20.07	20.12	20.04	21.00	15.81	15.86	15.78	16.74	
EDGE 4 Tx slots	17.96	18.09	18.04	19.00	14.96	15.09	15.04	16.00	

WCDMA I An10									
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		
TX Channel	9662	9800	9938		1537	1638	1738		
Rx Channel	1852.4	1890	1927.6		1712.4	1752.3	1792.4		
Frequency (MHz)	1852.4	1890	1927.6		1712.4	1752.3	1792.4		
3GPP Rel 99	20.57	20.65	20.53	22.00	20.30	20.47	20.38	22.00	24.00
3GPP Rel 99	RMC 12.2Kbps	20.62	20.68	20.57	20.45	20.51	20.41	22.00	22.45
3GPP Rel 6	HSDPA Subtest-1	19.72	19.76	19.70	19.59	19.66	19.50	21.00	21.55
3GPP Rel 6	HSDPA Subtest-2	19.66	19.73	19.65	19.50	19.58	19.52	21.00	21.46
3GPP Rel 6	HSDPA Subtest-3	19.19	19.25	19.23	19.00	19.11	19.08	20.50	21.01
3GPP Rel 6	HSDPA Subtest-4	19.15	19.30	19.21	20.50	18.96	19.18	19.03	20.50
3GPP Rel 8	DC-HSDPA Subtest-1	19.70	19.85	19.64	21.00	19.54	19.68	19.46	21.00
3GPP Rel 8	DC-HSDPA Subtest-2	19.56	19.59	19.41	21.00	19.38	19.40	19.32	21.00
3GPP Rel 8	DC-HSDPA Subtest-3	19.06	19.12	19.05	20.50	18.92	18.93	18.89	20.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.02	19.15	19.12	20.50	18.90	18.99	19.01	20.50
3GPP Rel 6	HSUPA Subtest-1	19.66	19.73	19.70	21.00	19.55	19.63	19.61	21.00
3GPP Rel 6	HSUPA Subtest-2	17.71	17.75	17.64	19.00	17.54	17.60	17.51	19.00
3GPP Rel 6	HSUPA Subtest-3	18.65	18.73	18.70	20.00	18.52	18.58	18.58	20.00
3GPP Rel 6	HSUPA Subtest-4	17.61	17.66	17.57	19.00	17.44	17.51	17.48	19.00
3GPP Rel 6	HSUPA Subtest-5	19.64	19.60	19.52	21.00	19.53	19.48	19.38	21.00

WCDMA V An10				
Band	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
TX Channel	4357	4407	4458	
Rx Channel	826.4	836.4	846.6	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99	22.43	22.47	22.40	24.00
3GPP Rel 99	RMC 12.2Kbps	22.52	22.46	24.00
3GPP Rel 6	HSDPA Subtest-1	21.55	21.69	21.48
3GPP Rel 6	HSDPA Subtest-2	21.46	21.60	21.54
3GPP Rel 6	HSDPA Subtest-3	21.01	21.14	21.04
3GPP Rel 6	HSDPA Subtest-4	20.98	21.24	21.06
3GPP Rel 8	DC-HSDPA Subtest-1	21.55	21.72	21.42
3GPP Rel 8	DC-HSDPA Subtest-2	21.34	21.42	21.32
3GPP Rel 8	DC-HSDPA Subtest-3	20.95	20.93	20.92
3GPP Rel 8	DC-HSDPA Subtest-4	20.89	21.00	21.03
3GPP Rel 6	HSUPA Subtest-1	21.61	21.68	21.67
3GPP Rel 6	HSUPA Subtest-2	19.57	19.63	19.50
3GPP Rel 6	HSUPA Subtest-3	20.52	20.59	20.61
3GPP Rel 6	HSUPA Subtest-4	19.45	19.52	19.49
3GPP Rel 6	HSUPA Subtest-5	21.55	21.44	21.40



Band 2 Default Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Min Ch / Freq	Power Max Ch / Freq	Power Min Ch / Freq	Turn-up Time (sec)	MPR (dB)	
Channel									
Frequency [MHz]									
20	QPSK	1	0	23.11	23.16	23.07			
20	QPSK	1	49	23.03	23.08	22.98	24	0	
20	QPSK	1	99	22.99	23.07	22.97			
20	QPSK	50	0	22.98	23.13	23.05			
20	QPSK	50	24	23.04	23.08	23.09			
20	QPSK	50	50	22.92	23.04	22.96	24	0	
20	QPSK	100	0	22.99	23.05	22.91			
20	QPSK	100	24	22.95	23.02	22.98			
20	16QAM	1	49	22.85	22.92	22.80	24	0	
20	16QAM	1	99	22.70	22.85	22.80			
20	16QAM	50	0	22.80	22.95	22.84			
20	16QAM	50	24	22.34	22.49	22.34	23.5	0.5	
20	16QAM	50	50	22.38	22.42	22.27			
20	16QAM	100	0	22.39	22.52	22.47			
20	16QAM	1	0	22.72	22.80	22.72	23.5	0.5	
20	16QAM	1	49	22.68	22.76	22.67			
20	16QAM	1	99	22.50	22.55	22.48	23.5	0.5	
20	16QAM	50	0	21.64	21.71	21.59			
20	16QAM	50	24	21.46	21.56	21.50	22.5	1.5	
20	16QAM	50	50	21.42	21.48	21.35			
20	16QAM	100	0	21.43	21.52	21.38			
20	16QAM	1	49	19.82	19.89	19.80	20.5	3.5	
20	256QAM	1	99	19.58	19.62	19.57			
20	256QAM	50	0	19.58	19.74	19.68			
20	256QAM	50	24	19.60	19.73	19.63	20.5	3.5	
20	256QAM	50	50	19.70	19.81	19.78			
20	256QAM	100	0	19.67	19.76	19.73			
Channel									
Frequency [MHz]									
15	QPSK	1	0	23.03	23.10	22.99			
15	QPSK	1	24	22.79	22.86	22.82	24	0	
15	QPSK	1	74	22.91	22.96	22.83			
15	QPSK	36	0	22.87	22.99	22.90			
15	QPSK	36	24	22.81	22.88	22.87	24	0	
15	QPSK	36	39	22.87	22.96	22.82			
15	QPSK	75	0	22.91	23.00	22.92			
15	16QAM	1	49	22.80	22.86	22.79	24	0	
15	16QAM	1	37	22.77	22.88	22.83			
15	16QAM	1	99	22.60	22.65	22.54	23.5	0.5	
15	16QAM	36	20	22.21	22.37	22.28			
15	16QAM	36	49	22.25	22.35	22.28	23.5	0.5	
15	16QAM	75	0	22.31	22.48	22.42			
15	16QAM	1	0	22.67	22.68	22.59	23.5	0.5	
15	16QAM	1	24	22.62	22.67	22.61			
15	16QAM	1	74	22.42	22.42	22.34			
15	16QAM	36	0	21.56	21.67	21.48	22.5	1.5	
15	16QAM	36	24	21.56	21.65	21.48			
15	16QAM	36	39	21.28	21.35	21.23			
15	16QAM	75	0	21.38	21.37	21.28			
15	256QAM	1	99	19.58	19.62	19.57	20.5	3.5	
15	256QAM	1	37	19.42	19.51	19.42			
15	256QAM	50	0	19.45	19.58	19.48			
15	256QAM	36	20	19.48	19.58	19.50	20.5	3.5	
15	256QAM	36	39	19.66	19.73	19.67			
15	256QAM	75	0	19.63	19.71	19.68			
Channel									
Frequency [MHz]									
15	QPSK	1	0	22.87	22.88	22.81	24	0	
15	QPSK	1	49	22.82	22.94	22.82			
15	QPSK	1	99	22.78	22.85	22.78			
15	QPSK	25	13	22.81	23.00	22.94	24	0	
15	QPSK	25	25	22.83	22.89	22.89			
15	QPSK	75	0	22.86	22.92	22.81			
15	16QAM	1	0	22.88	22.90	22.88			
15	16QAM	1	25	22.79	22.91	22.85	24	0	
15	16QAM	1	49	22.68	22.75	22.67			
15	16QAM	25	12	22.48	22.57	22.42	23.5	0.5	
15	16QAM	25	12	22.20	22.34	22.20			
15	16QAM	25	12	22.20	22.35	22.20			
15	16QAM	50	0	22.28	22.41	22.20			
15	16QAM	1	0	22.60	22.78	22.60	23.5	0.5	
15	16QAM	1	0	22.65	22.68	22.58			
15	16QAM	1	49	22.43	22.45	22.32			
15	16QAM	25	0	21.58	21.65	21.45	22.5	1.5	
15	16QAM	25	0	21.53	21.65	21.44			
15	16QAM	25	25	21.39	21.38	21.28			
15	16QAM	50	0	21.31	21.39	21.27			
15	256QAM	1	25	19.78	19.84	19.77	20.5	3.5	
15	256QAM	1	25	19.77	19.82	19.86			
15	256QAM	25	12	19.62	19.85	19.83			
15	256QAM	25	12	19.68	19.81	19.80	20.5	3.5	
15	256QAM	25	25	19.63	19.71	19.68			
15	256QAM	50	0	19.62	19.68	19.61			
Channel									
Frequency [MHz]									
3	QPSK	1	0	23.01	23.02	22.99			
3	QPSK	1	8	22.89	22.91	22.86	24	0	
3	QPSK	1	24	22.84	22.86	22.83			
3	QPSK	8	4	22.83	23.04	22.82	24	0	
3	QPSK	8	7	22.86	22.90	22.83			
3	QPSK	15	8	22.87	22.98	22.80			
3	16QAM	1	0	22.85	22.96	22.83	24	0	
3	16QAM	1	8	22.71	22.87	22.78			
3	16QAM	1	99	22.69	22.76	22.65			
3	16QAM	8	0	22.41	22.57	22.40	23.5	0.5	
3	16QAM	8	4	22.23	22.41	22.24			
3	16QAM	15	0	22.31	22.37	22.14			
3	16QAM	15	0	22.31	22.45	22.41	23.5	0.5	
3	16QAM	1	0	22.59	22.72	22.60			
3	16QAM	1	0	22.55	22.62	22.34	23.5	0.5	
3	16QAM	1	14	22.42	22.43	22.38			
3	16QAM	1	24	21.58	21.69	21.52	22.5	1.5	
3	16QAM	1	24	21.35	21.45	21.30			
3	16QAM	8	7	21.34	21.34	21.29			
3	256QAM	1	0	19.77	19.78	19.69	20.5	3.5	
3	256QAM	1	8	19.78	19.79	19.65			
3	256QAM	1	8	19.82	19.82	19.74	20.5	3.5	
3	256QAM	8	4	19.58	19.68	19.59			
3	256QAM	8	4	19.60	19.67	19.57	20.5	3.5	
3	256QAM	15	0	19.63	19.70	19.59			
Channel									
Frequency [MHz]									
1.4	QPSK	1	0	23.04	23.11	23.01	24	0	
1.4	QPSK	1	3	22.83	22.95	22.74			
1.4	QPSK	1	5	22.86	22.96	22.85			
1.4	QPSK	3	0	22.85	23.04	23.01	24	0	
1.4	QPSK	3	1	22.85	23.04	22.84			
1.4	16QAM	1	0	22.76	22.94	22.86	24	0	
1.4	16QAM	1	24	22.84	23.05	22.89			
1.4	16QAM	1	0	22.82	22.96	22.75			
1.4	16QAM	1	3	22.75	22.95	22.85			
1.4	16QAM	3	0	22.84	23.06	22.80	24	0	
1.4	16QAM	3	1	22.86	22.98	22.86			
1.4	16QAM	1	0	22.83	22.93	22.80	24	0	
1.4	16QAM	1	0	22.78	22.88	22.78			
1.4	16QAM	3	0	22.81	22.97	22.73			
1.4	16QAM	3	0	22.81	22.97	22.73	23.5	0.5	
1.4	16QAM	15	0	22.31	22.37	22.14			
1.4	16QAM	15	0	22.31	22.45	22.41	23.5	0.5	
1.4	16QAM	1	0	22.59	22.72	22.60			
1.4	16QAM	1	0	22.58	22.72	22.61	23.5	0.5	
1.4	16QAM	1	1	22.60	22.67	22.52			
1.4	16QAM	1	1	22.62	22.67	22.50			
1.4	16QAM	3	0	21.53	21.61	21.43	22.5	1.5	
1.4	16QAM	3	0	21.56	21.63	21.46			
1.4	16QAM	3	0	21.78	21.82	21.70			
1.4	16QAM	3	0	21.78	21.82	21.70	20.5	3.5	
1.4	16QAM	3	0	21.74	21.82	21.74			
1.4	16QAM	3	0	21.67	21.76	21.67			
1.4	16QAM	3	0	19.63	19.75	19.72			



Band 12 Default Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int. (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.84	22.82	22.79	24	0						
10	QPSK	1	25	22.76	22.81	22.84								
10	QPSK	1	49	22.60	22.68	22.82								
10	QPSK	25	0	22.63	22.62	22.72								
10	QPSK	25	12	22.59	22.66	22.81	24	0						
10	QPSK	25	25	22.56	22.60	22.83								
10	QPSK	50	0	22.65	22.71	22.82								
10	16QAM	1	0	22.54	22.72	22.80								
10	16QAM	1	25	22.54	22.59	22.58	24	0						
10	16QAM	1	49	22.44	22.55	22.46								
10	16QAM	25	0	22.30	22.51	22.41								
10	16QAM	25	12	22.32	22.43	22.28								
10	16QAM	25	25	22.30	22.45	22.26	23.5	0.5						
10	16QAM	50	0	22.37	22.47	22.28								
10	16QAM	1	0	22.26	22.41	22.29								
10	16QAM	1	25	22.14	22.25	22.19								
10	16QAM	1	49	22.10	22.20	22.16	22.5	0.5						
10	16QAM	25	0	21.54	21.67	21.50								
10	16QAM	25	12	21.44	21.56	21.51								
10	16QAM	25	25	21.39	21.44	21.44								
10	16QAM	50	0	21.43	21.54	21.41	22.5	1.5						
10	256QAM	1	0	19.38	19.55	19.40								
10	256QAM	1	25	19.33	19.40	19.38								
10	256QAM	1	49	19.30	19.33	19.28								
10	256QAM	25	0	19.25	19.35	19.41	20.5	3.5						
10	256QAM	25	12	19.29	19.34	19.30								
10	256QAM	25	25	19.20	19.33	19.22								
10	256QAM	50	0	19.20	19.45	19.20								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.77	22.86	22.74	24	0						
5	QPSK	1	12	22.63	22.82	22.86								
5	QPSK	1	24	22.47	22.54	22.47								
5	QPSK	12	0	22.50	22.75	22.58								
5	QPSK	12	13	22.45	22.55	22.51	24	0						
5	QPSK	12	13	22.53	22.45	22.51								
5	QPSK	25	0	22.56	22.62	22.59								
5	16QAM	1	0	22.42	22.62	22.48								
5	16QAM	1	12	22.52	22.48	22.47	24	0						
5	16QAM	1	24	22.33	22.52	22.36								
5	16QAM	12	0	22.30	22.47	22.28								
5	16QAM	12	7	22.28	22.33	22.19								
5	16QAM	12	13	22.19	22.24	22.19	23.5	0.5						
5	16QAM	25	0	22.31	22.34	22.19								
5	16QAM	1	0	22.15	22.30	22.22								
5	16QAM	1	24	21.96	22.07	22.07								
5	16QAM	12	0	21.48	21.63	21.41	22.5	1.5						
5	16QAM	12	7	21.54	21.64	21.47								
5	16QAM	12	13	21.20	21.32	21.33								
5	16QAM	25	0	21.33	21.48	21.34								
5	256QAM	1	0	19.35	19.45	19.31	20.5	3.5						
5	256QAM	1	12	19.21	19.31	19.29								
5	256QAM	1	24	19.23	19.30	19.18								
5	256QAM	12	0	19.16	19.27	19.26								
5	256QAM	12	7	19.22	19.27	19.27	20.5	3.5						
5	256QAM	12	13	19.07	19.21	19.11								
5	256QAM	25	0	19.13	19.31	19.12								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.75	22.81	22.72	24	0						
3	QPSK	1	8	22.70	22.78	22.69								
3	QPSK	1	16	22.63	22.70	22.65								
3	QPSK	8	0	22.49	22.79	22.57								
3	QPSK	8	4	22.51	22.61	22.48	24	0						
3	QPSK	8	4	22.49	22.49	22.57								
3	16QAM	1	0	22.54	22.72	22.48								
3	16QAM	1	0	22.39	22.59	22.47								
3	16QAM	1	8	22.48	22.48	22.48	24	0						
3	16QAM	8	7	22.38	22.44	22.36								
3	16QAM	1	14	22.28	22.44	22.28								
3	16QAM	8	0	22.26	22.44	22.28								
3	16QAM	8	0	22.26	22.44	22.28	23.5	0.5						
3	16QAM	8	7	22.22	22.32	22.20								
3	16QAM	15	0	22.32	22.35	22.19								
3	16QAM	15	0	22.23	22.30	22.19								
3	16QAM	1	0	22.23	22.28	22.17	22.5	0.5						
3	16QAM	1	8	22.02	22.10	22.06								
3	16QAM	1	14	22.02	22.10	22.04								
3	16QAM	8	0	21.45	21.61	21.40								
3	16QAM	8	4	21.40	21.45	21.37	22.5	1.5						
3	16QAM	8	7	21.38	21.38	21.33								
3	16QAM	15	0	21.37	21.50	21.31								
3	256QAM	1	0	19.28	19.41	19.36								
3	256QAM	1	8	19.26	19.31	19.24	20.5	3.5						
3	256QAM	1	14	19.23	19.30	19.21								
3	256QAM	8	0	19.15	19.45	19.25								
3	256QAM	8	4	19.18	19.20	19.18								
3	256QAM	8	7	19.06	19.22	19.07	20.5	3.5						
3	256QAM	15	0	19.18	19.40	19.14								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.75	22.83	22.75					24	0		
1.4	QPSK	1	3	22.65	22.67	22.51								
1.4	QPSK	1	5	22.48	22.57	22.53								
1.4	QPSK	3	0	22.50	22.67	22.47								
1.4	QPSK	3	1	22.54	22.55	22.56	24	0						
1.4	QPSK	3	1	22.44	22.54	22.57								
1.4	16QAM	6	0	22.53	22.71	22.16								
1.4	16QAM	1	0	22.50	22.62	22.56								
1.4	16QAM	1	3	22.49	22.46	22.50	24	0						
1.4	16QAM	1	6	22.40	22.45	22.43								
1.4	16QAM	3	0	22.47	22.60	22.36								
1.4	16QAM	3	1	22.49	22.45	22.47								
1.4	16QAM	3	3	22.37	22.45	22.40	23.5	0.6						
1.4	16QAM	6	0	22.17	22.30	22.14								
1.4	16QAM	1	0	22.33	22.41	22.29								
1.4	16QAM	1	3	22.22	22.49	22.17								
1.4	16QAM	3	5	22.13	22.33	22.16	23.5	0.5						
1.4	16QAM	3	5	22.05	22.21	22.09								
1.4	16QAM	3	7	21.99	22.18	22.05								
1.4	16QAM	3	3	22.22	22.28	22.16								
1.4	16QAM	6	0	21.45	21.60	21.41	22.5	1.5						
1.4	256QAM	1	0	19.29	19.47	19.30								
1.4	256QAM	1	3	19.21	19.31	19.24								
1.4	256QAM	1	5	19.22	19.27	19.22								
1.4	256QAM	3	0	19.18	19.37	19.34	20.5	3.5						
1.4	256QAM	3	1	19.16	19.21	19.24								
1.4	256QAM	3	2	19.15	19.21	19.09								
1.4	256QAM	6	0	19.17	19.35	19.18								

Band 25 Default 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)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.16	23.21	23.18	24	0						
20	QPSK	1	48	23.03	23.03	23.05								
20	QPSK	1	96	22.97	23.01	23.03								
20	QPSK	50	0	23.00	23.15	23.05								
20	QPSK	50	24	22.95	23.03	23.05	24	0						
20	QPSK	50	50	22.88	22.99	22.86								
20	QPSK	100	0	22.91	23.01	22.92								
20	16QAM	1	0	22.96	22.99	22.97								
20	16QAM	1	48	22.84	22.95	22.95	24	0						
20	16QAM	1	96	22.81	22.87	22.80								
20	16QAM	50	0	22.79	22.92	22.85								
20	16QAM	50	24	22.75	22.90	22.75								
20	16QAM	50	50	22.61	22.72	22.70	23.5	0.5						
20	16QAM	100	0	22.62	22.66	22.61								
20	16QAM	1	0	22.86	23.05	22.91								
20	16QAM	1	48	22.79	22.95	22.87								
20	16QAM	1	96	22.70	22.85	22.80	22.5	1.5						
20	16QAM	50	0	21.82	21.95	21.79								
20	16QAM	50	24	21.78	21.79	21.74								
20	16QAM	50	50	21.73	21.85	21.72								
20	16QAM	100	0	21.69	21.68	21.64	20.5	3.5						
20	16QAM	1	0	19.80	19.94	19.85								
20	16QAM	1	48	19.79	19.95	19.83								
20	16QAM	1	96	19.77	19.85	19.78								
20	16QAM	50	0	19.76	19.87	19.82	20.5	3.5						
20	16QAM	50	24	19.77	19.90	19.74								
20	16QAM	50	50	19.70	19.74	19.71								
20	16QAM	100	0	19.62	19.73	19.65								
Channel														
Frequency (MHz)														
18	QPSK	1	0	23.05	23.13	23.04	24	0						
18	QPSK	1	32	22.99	22.99	23.00								
18	QPSK	1	74	22.84	22.90	22.87								
18	QPSK	36	0	22.94	23.01	22.85								
18	QPSK	36	25	22.82	22.86	22.88	24	0						
18	QPSK	36	39	22.84	22.95	22.75								
18	QPSK	75	0	22.77	22.98	22.76								
18	16QAM	1	0	22.82	22.84	22.84								
18	16QAM	1	32	22.81	22.87	22.85	24	0						
18	16QAM	1	74	22.68	22.76	22.68								
18	16QAM	36	0	22.70	22.81	22.75								
18	16QAM	36	25	22.68	22.69	22.62								
18	16QAM	36	39	22.62	22.62	22.67	23.5	0.5						
18	16QAM	75	0	22.49	22.53	22.50								
18	16QAM	1	0	22.74	22.90	22.77								
18	16QAM	1	32	22.70	22.71	22.70								
18	16QAM	1	74	22.70	22.65	22.65	22.5	1.5						
18	16QAM	36	0	21.74	21.85	21.85								
18	16QAM	36	25	21.62	21.68	21.68								
18	16QAM	36	39	21.68	21.77	21.57								
18	16QAM	75	0	21.65	21.54	21.60	20.5	3.5						
18	16QAM	1	0	19.76	19.85	19.80								
18	16QAM	1	32	19.75	19.79	19.79								
18	16QAM	1	74	19.67	19.70	19.73								
18	16QAM	36	0	19.68	19.68	19.67	20.5	3.5						
18	16QAM	36	25	19.69	19.87	19.80								
18	16QAM	36	39	19.67	19.70	19.61								
18	16QAM	75	0	19.65	19.68	19.65								
Channel														
Frequency (MHz)														
16	QPSK	1	0	23.03	23.09	23.06	24	0						
16	QPSK	1	12	22.95	22.92	23.03								
16	QPSK	1	24	22.87	22.93	22.95								
16	QPSK	12	0	22.88	23.04	22.90								
16	QPSK	12	7	22.88	23.00	22.84	24	0						
16	QPSK	12	19	22.83	22.91	22.86								
16	QPSK	25	0	22.77	22.93	22.86								
16	16QAM	1	0	22.89	23.04	22.88								
16	16QAM	1	12	22.76	22.87	22.73	24	0						
16	16QAM	1	24	22.67	22.77	22.73								
16	16QAM	12	0	22.70	22.84	22.73								
16	16QAM	12	7	22.67	22.77	22.73								
16	16QAM	12	19	22.60	22.60	22.58	23.5	0.5						
16	16QAM	25	0	22.56	22.62	22.51								
16	16QAM	1	0	22.82	22.91	22.85								
16	16QAM	1	12	22.72	22.76	22.71								
16	16QAM	1	24	22.64	22.68	22.64	22.5	1.5						
16	16QAM	25	0	21.79	21.84	21.69								
16	16QAM	25	12	21.74	21.76	21.64								
16	16QAM	25	25	21.68	21.77	21.61								
16	16QAM	50	0	21.62	21.58	21.52	20.5	3.5						
16	16QAM	1	0	19.80	19.84	19.81								
16	16QAM	1	25	19.68	19.75	19.72								
16	16QAM	1	48	19.74	19.73	19.68								
16	16QAM	25	0	19.65	19.67	19.67	20.5	3.5						
16	16QAM	25	12	19.71	19.83	19.68								
16	16QAM	25	25	19.65	19.61	19.60								
16	16QAM	50	0	19.65	19.67	19.63								
Channel														
Frequency (MHz)														
14	QPSK	1	0	23.03	23.15	23.13	24	0						
14	QPSK	1	8	22.98	22.95	22.96								
14	QPSK	1	14	22.94	22.93	22.99								
14	QPSK	8	0	22.94	23.05	22.96								
14	QPSK	8	4	22.80	22.87	22.81	24	0						
14	QPSK	8	7	22.75	22.84	22.78								
14	QPSK	15	0	22.83	22.85	22.80								
14	16QAM	1	0	22.84	23.02	22.85								
14	16QAM	1	8	22.89	22.86	22.87	24	0						
14	16QAM	1	14	22.77	22.75	22.66								
14	16QAM	8	0	22.66	22.67	22.79								
14	16QAM	8	4	22.65	22.65	22.67								
14	16QAM	15	0	22.67	22.69	22.60	23.5	0.5						
14	16QAM	15	0	22.48	22.60	22.53								
14	16QAM	1	0	22.75	22.92	22.80								
14	16QAM	1	8	22.66	22.91	22.76								
14	16QAM	1	14	22.65	22.72	22.69	22.5	1.5						
14	16QAM	8	0	21.76	21.87	21.84								
14	16QAM	8	4	21.67	21.68	21.62								
14	16QAM	8	7	21.61	21.74	21.57								
14	16QAM	15	0	21.63	21.63	21.60	20.5	3.5						
14	16QAM	1	0	19.76	19.96	19.83								
14	16QAM	1	8	19.69	19.85	19.77								
14	16QAM	1	14	19.63	19.72	19.67	20.5	3.5						
14	16QAM	1	19	19.62	19.71	19.60								
14	16QAM	8	0	19.63	19.63	19.63								
Channel														
Frequency (MHz)														
12	QPSK	1	0	23.12	23.12	23.15					24	0		
12	QPSK	1	6	23.08	23.09	23.10								
12	QPSK	1	12	23.04	23.05	23.06								
12	QPSK	6	0	23.03	23.03	23.06								
12	QPSK	3	0	22.86	23.09	22.97	24	0						
12	QPSK	3	6	22.81	23.01	22.91								
12	QPSK	3	12	22.81	23.04	22.91								
12	QPSK	3	18	22.81	23.04	22.91								
12	QPSK	6	0	22.92	23.04	22.93	24	0						
12	16QAM	1	0	22.86	23.00	22.81								
12	16QAM	1	6	22.85	23.00	22.81								
12	16QAM	1	12	22.85	23.00	22.81								
12	16QAM	6	0	22.70	22.87	22.80	23.5	0.5						
12	16QAM	6	6	22.67	22.82	22.87								
12	16QAM	6	12	22.67	22.86	22.87								
12	16QAM	6	18	22.67	22.86	22.87								
12	16QAM	3	0	21.82	21.86	21.73	22.5	1.5						
12	16QAM	3	6	21.79	21.79	21.79								
12	16QAM	3	12	21.79	21.79	21.79								
12	16QAM	3	18	21.79	21.79	21.79								
12	16QAM	6	0	19.71	19.84	19.82	20.5	3.5						
12	16QAM	6	6	19.73	19.83	19.82								
12	16QAM	6	12	19.73	19.83	19.82								
12	16QAM	6	18	19.73	19.83	19.82								



Band 66 Default Ant 0														
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up (mW)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.17	23.22	23.14	24	0						
20	QPSK	1	49	23.11	23.11	23.06								
20	QPSK	1	99	23.02	23.02	22.90								
20	QPSK	50	0	22.96	23.18	23.07								
20	QPSK	50	24	23.02	23.09	22.99	24	0						
20	QPSK	50	50	22.85	22.98	22.92								
20	QPSK	100	0	22.88	23.01	22.91								
20	16QAM	1	0	22.80	22.95	22.96								
20	16QAM	1	49	22.87	23.01	22.91	24	0						
20	16QAM	1	99	22.83	22.89	22.86								
20	16QAM	50	0	22.81	22.91	22.86								
20	16QAM	50	24	22.80	22.85	22.83								
20	16QAM	50	50	22.58	22.87	22.81	23.5	0.5						
20	16QAM	100	0	22.48	22.59	22.54								
20	64QAM	1	0	22.55	22.75	22.64								
20	64QAM	1	49	22.49	22.61	22.54								
20	64QAM	1	99	22.51	22.58	22.50	22.5	0.5						
20	64QAM	50	0	21.89	21.90	21.71								
20	64QAM	50	24	21.83	21.77	21.77								
20	64QAM	50	50	21.83	21.75	21.81								
20	256QAM	100	0	21.57	21.62	21.58	22.5	1.5						
20	256QAM	1	0	18.86	18.97	18.95								
20	256QAM	1	49	18.89	18.92	18.84								
20	256QAM	1	99	18.81	18.84	18.83								
20	256QAM	50	0	18.84	18.98	18.88	20.5	3.5						
20	256QAM	50	24	18.78	18.86	18.74								
20	256QAM	50	50	18.69	18.77	18.73								
20	256QAM	100	0	18.71	18.79	18.73								
Channel														
Frequency (MHz)														
15	QPSK	1	0	23.08	23.16	23.00	24	0						
15	QPSK	1	37	22.95	23.09	22.94								
15	QPSK	1	74	22.89	22.97	22.84								
15	QPSK	36	0	22.87	23.10	23.02								
15	QPSK	36	39	22.82	23.09	22.92	24	0						
15	QPSK	36	39	22.78	22.87	22.78								
15	QPSK	75	0	22.82	22.91	22.78								
15	16QAM	1	1	22.88	23.01	22.90								
15	16QAM	1	37	22.75	22.91	22.85	24	0						
15	16QAM	1	74	22.79	22.74	22.75								
15	16QAM	36	0	22.49	22.71	22.60								
15	16QAM	36	39	22.57	22.69	22.59								
15	16QAM	75	0	22.41	22.48	22.44	23.5	0.5						
15	64QAM	1	0	22.47	22.50	22.37								
15	64QAM	1	37	22.52	22.46	22.48								
15	64QAM	1	74	22.45	22.52	22.38								
15	64QAM	36	0	21.59	21.86	21.61	22.5	1.5						
15	64QAM	36	39	21.51	21.65	21.47								
15	64QAM	36	39	21.50	21.52	21.52								
15	64QAM	75	0	21.48	21.50	21.51								
15	256QAM	1	0	18.75	18.95	18.85	20.5	3.5						
15	256QAM	1	37	18.82	18.89	18.79								
15	256QAM	1	74	18.75	18.79	18.77								
15	256QAM	36	0	18.80	18.85	18.86								
15	256QAM	36	39	18.73	18.73	18.80								
15	256QAM	36	39	18.58	18.69	18.63								
15	256QAM	75	0	18.63	18.61	18.58								
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.03	23.10	23.03	24	0						
10	QPSK	1	25	22.94	23.02	22.89								
10	QPSK	1	49	22.88	22.86	22.82								
10	QPSK	25	0	22.84	23.07	22.93								
10	QPSK	25	12	22.80	23.01	22.95	24	0						
10	QPSK	25	25	22.81	22.87	22.86								
10	QPSK	50	0	22.74	22.82	22.88								
10	16QAM	1	0	22.68	23.07	22.89								
10	16QAM	1	25	22.81	22.85	22.80	24	0						
10	16QAM	1	49	22.76	22.79	22.74								
10	16QAM	25	0	22.57	22.70	22.59								
10	16QAM	25	12	22.51	22.58	22.59								
10	16QAM	50	0	22.52	22.69	22.44	23.5	0.5						
10	16QAM	50	0	22.35	22.53	22.41								
10	64QAM	1	0	22.45	22.68	22.57								
10	64QAM	1	25	22.41	22.55	22.42								
10	64QAM	1	49	22.43	22.52	22.43	22.5	1.5						
10	64QAM	25	0	21.58	21.75	21.61								
10	64QAM	25	12	21.50	21.49	21.49								
10	64QAM	25	25	21.54	21.57	21.57								
10	64QAM	50	0	21.42	21.52	21.44	20.5	3.5						
10	256QAM	1	0	18.76	18.96	18.81								
10	256QAM	1	25	18.79	18.82	18.80								
10	256QAM	1	49	18.73	18.70	18.77								
10	256QAM	25	0	18.71	18.87	18.74	20.5	3.5						
10	256QAM	25	12	18.75	18.81	18.83								
10	256QAM	25	25	18.60	18.65	18.62								
10	256QAM	50	0	18.63	18.67	18.63								
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.03	23.03	23.03	24	0						
5	QPSK	1	12	22.89	23.01	22.84								
5	QPSK	1	24	22.91	22.90	22.81								
5	QPSK	12	0	22.85	23.11	22.96								
5	QPSK	12	7	22.79	22.98	22.90	24	0						
5	QPSK	12	13	22.76	22.89	22.83								
5	QPSK	25	0	22.84	22.86	22.87								
5	16QAM	1	0	22.72	22.98	22.82								
5	16QAM	1	12	22.80	22.90	22.76	24	0						
5	16QAM	1	24	22.75	22.85	22.80								
5	16QAM	12	0	22.47	22.74	22.53								
5	16QAM	12	7	22.57	22.61	22.59								
5	16QAM	12	13	22.43	22.52	22.51	23.5	0.5						
5	64QAM	1	0	22.37	22.53	22.48								
5	64QAM	1	12	22.48	22.72	22.57								
5	64QAM	1	24	22.45	22.46	22.46								
5	64QAM	1	24	22.39	22.51	22.44	22.5	1.5						
5	64QAM	12	0	21.63	21.80	21.61								
5	64QAM	12	7	21.51	21.47	21.70								
5	64QAM	12	13	21.58	21.67	21.56								
5	64QAM	25	0	21.51	21.51	21.51	20.5	3.5						
5	256QAM	1	0	18.76	18.97	18.88								
5	256QAM	1	12	18.77	18.84	18.80								
5	256QAM	1	24	18.71	18.76	18.76								
5	256QAM	12	0	18.72	18.83	18.71	20.5	3.5						
5	256QAM	12	7	18.76	18.83	18.81								
5	256QAM	12	13	18.65	18.66	18.61								
5	256QAM	25	0	18.62	18.61	18.61								
Channel														
Frequency (MHz)														
3	QPSK	1	0	23.03	23.14	23.08	24	0						
3	QPSK	1	3	22.95	23.01	22.93								
3	QPSK	1	14	22.96	22.95	22.87								
3	QPSK	8	0	22.87	23.08	23.03								
3	QPSK	8	7	22.82	23.04	22.98	24	0						
3	QPSK	8	7	22.78	23.03	22.93								
3	QPSK	15	0	22.79	22.99	22.94								
3	QPSK	15	7	22.74	22.94	22.84								
3	16QAM	1	0	22.82	22.98	22.87	24	0						
3	16QAM	1	14	22.76	22.95	22.92								
3	16QAM	1	28	22.73	22.93	22.83								
3	16QAM	8	4	22.54	22.92	22.48								
3	16QAM	7	0	22.42	22.47	22.51	23.5	0.5						
3	16QAM	7	7	22.43	22.48	22.47								
3	16QAM	1	0	22.47	22.69	22.50								
3	16QAM	1	8	22.41	22.62	22.46								
3	16QAM	1	8	22.42	22.62	22.46	22.5	1.5						
3	16QAM	1	8	21.52	21.60	21.74								
3	16QAM	1	8	21.51	21.49	21.49								
3	16QAM	16	0	21.45	21.55	21.44								
3	16QAM	1	0	18.85	18.96	18.95	20.5	3.5						
3	16QAM	1	14	18.74	18.81	18.79								
3	16QAM	1	28	18.76	18.84	18.80								
3	16QAM	8	4	18.75	18.75	18.80								
3	16QAM	8	7	18.60	18.72	18.60								
3	16QAM	8	7	18.45	18.60	18.45								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	18.979	19.022	18.999	24	0						
1.4	QPSK	1	2	17.67	17.67	17.79								
1.4	QPSK	1	3	22.89	23.04	22.94								
1.4	QPSK	1	5	22.92	23.03	22.98								
1.4	QPSK	1	14	22.90	23.01	22.94	24	0						
1.4	QPSK	1	8	22.87	23.08	23.03								
1.4	QPSK	1	16	22.88	23.04	22.95								
1.4	QPSK	8	7	22.78	23.03	23.03								
1.4	QPSK	15	0	22.79	22.99	22.94	24	0						
1.4	QPSK	15	7	22.74	22.94	22.84								
1.4	16QAM	1	0	22.82	23.08	22.87								
1.4	16QAM	1	14	22.76	22.95	22.92								
1.4	16QAM	1	28	22.73	22.93	22.83	23.5	0.5						
1.4	16QAM	8	4	22.54	22.92	22.48								
1.4	16QAM	7	0	22.42	22.47	22.51								
1.4	16QAM	7	7	22.43	22.48	22.47								
1.4	16QAM	1	0	22.47	22.69	22.50	22.5	1.5						
1.4	16QAM	1	8	22.41	22.62	22.46								
1.4	16QAM	1	8	21.52	21.60	21.74								
1.4	16QAM	16	0	21.45	21.55	21.44								
1.4	16QAM	1	0	18.85	18.96	18.95	20.5	3.5						
1.4	16QAM	1	14	18.74	18.81	18.79								
1.4	16QAM	1	28	18.76	18.84	18.80								
1.4	16QAM	8	4	18.75	18.75	18.80								
1.4	16QAM	8	7	18.60	1									

Band 38 Default 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				37850	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	20.67	20.69	20.50	22	0			
20	QPSK	1	49	20.46	20.43	20.46					
20	QPSK	1	99	20.47	20.43	20.40					
20	QPSK	50	0	20.47	20.55	20.33					
20	QPSK	50	24	20.36	20.50	20.42	22	0			
20	QPSK	50	50	20.23	20.36	20.32					
20	QPSK	100	0	20.37	20.52	20.33					
20	16QAM	1	0	20.46	20.57	20.39					
20	16QAM	1	49	20.36	20.45	20.33	22	0			
20	16QAM	1	99	20.29	20.33	20.40					
20	16QAM	50	0	20.06	20.23	20.04					
20	16QAM	50	24	20.10	20.06	20.05					
20	16QAM	50	50	19.87	20.03	19.96	21.5	0.5			
20	16QAM	100	0	19.92	20.11	20.00					
20	64QAM	1	0	20.03	20.26	20.03					
20	64QAM	1	49	19.94	20.04	20.10					
20	64QAM	1	99	20.10	20.01	20.06	21.5	0.5			
20	64QAM	50	0	19.86	20.04	19.95					
20	64QAM	50	24	19.83	19.90	19.89					
20	64QAM	50	50	19.82	19.86	19.83					
20	64QAM	100	0	19.85	19.88	19.79	20.5	1.5			
20	256QAM	1	0	17.91	18.08	17.94					
20	256QAM	1	49	17.82	18.08	17.92					
20	256QAM	1	99	17.86	17.85	17.87					
20	256QAM	50	0	17.94	18.06	17.97	18.5	3.5			
20	256QAM	50	24	17.90	17.95	17.90					
20	256QAM	50	50	17.77	17.87	17.81					
20	256QAM	100	0	17.91	18.03	17.94					
Channel				37825	38000	38175	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5					
15	QPSK	1	0	20.50	20.60	20.47	22	0			
15	QPSK	1	37	20.29	20.36	20.42					
15	QPSK	1	74	20.40	20.36	20.23					
15	QPSK	36	0	20.30	20.38	20.27					
15	QPSK	36	20	20.24	20.39	20.31	22	0			
15	QPSK	36	39	20.17	20.27	20.24					
15	QPSK	75	0	20.31	20.39	20.25					
15	16QAM	1	0	20.31	20.44	20.25					
15	16QAM	1	37	20.27	20.37	20.17	22	0			
15	16QAM	1	74	20.25	20.23	20.33					
15	16QAM	36	0	19.95	20.20	19.88					
15	16QAM	36	20	19.92	19.95	19.95					
15	16QAM	36	39	19.79	19.93	19.83	21.5	0.5			
15	16QAM	75	0	19.85	19.99	19.88					
15	64QAM	1	0	19.94	20.23	19.99					
15	64QAM	1	37	19.77	19.97	20.07					
15	64QAM	1	74	20.01	19.95	19.99	21.5	0.5			
15	64QAM	36	0	19.77	20.01	19.81					
15	64QAM	36	20	19.73	19.86	19.85					
15	64QAM	36	39	19.71	19.72	19.79					
15	64QAM	75	0	19.75	19.85	19.69	20.5	1.5			
15	256QAM	1	0	17.78	17.97	17.88					
15	256QAM	1	37	17.70	18.04	17.89					
15	256QAM	1	74	17.73	17.82	17.72					
15	256QAM	36	0	17.83	18.00	17.92					
15	256QAM	36	20	17.86	17.89	17.82	18.5	3.5			
15	256QAM	36	39	17.64	17.77	17.71					
15	256QAM	75	0	17.79	17.99	17.87					
Channel				37800	38000	38200	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	20.56	20.52	20.46	22	0			
10	QPSK	1	25	20.31	20.39	20.41					
10	QPSK	1	49	20.35	20.26	20.34					
10	QPSK	25	0	20.37	20.42	20.22					
10	QPSK	25	12	20.24	20.46	20.26	22	0			
10	QPSK	25	25	20.17	20.25	20.22					
10	QPSK	50	0	20.34	20.42	20.28					
10	16QAM	1	0	20.32	20.41	20.25					
10	16QAM	1	25	20.22	20.33	20.29	22	0			
10	16QAM	1	49	20.15	20.17	20.33					
10	16QAM	25	0	20.04	20.20	19.98					
10	16QAM	25	12	20.04	19.93	19.90					
10	16QAM	25	25	19.81	19.86	19.87	21.5	0.5			
10	16QAM	50	0	19.86	20.04	19.84					
10	64QAM	1	0	19.89	20.09	20.01					
10	64QAM	1	25	19.82	20.01	20.01					
10	64QAM	1	49	20.06	19.83	20.04	21.5	0.5			
10	64QAM	25	0	19.81	20.00	19.81					
10	64QAM	25	12	19.71	19.85	19.78					
10	64QAM	25	25	19.74	19.71	19.75					
10	64QAM	50	0	19.80	19.83	19.72	20.5	1.5			
10	256QAM	1	0	17.81	18.03	17.84					
10	256QAM	1	25	17.73	17.97	17.88					
10	256QAM	1	49	17.71	17.70	17.74					
10	256QAM	25	0	17.84	17.93	17.84	18.5	3.5			
10	256QAM	25	12	17.80	17.91	17.85					
10	256QAM	25	25	17.69	17.82	17.69					
10	256QAM	50	0	17.85	17.98	17.84					
Channel				37775	38000	38225	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	20.56	20.61	20.38	22	0			
5	QPSK	1	12	20.31	20.32	20.37					
5	QPSK	1	24	20.44	20.39	20.33					
5	QPSK	12	0	20.38	20.46	20.20					
5	QPSK	12	7	20.24	20.42	20.36	22	0			
5	QPSK	12	13	20.11	20.29	20.18					
5	QPSK	25	0	20.20	20.39	20.29					
5	16QAM	1	0	20.31	20.44	20.23					
5	16QAM	1	12	20.28	20.39	20.15	22	0			
5	16QAM	1	24	20.16	20.29	20.25					
5	16QAM	12	0	19.93	20.17	19.96					
5	16QAM	12	7	19.97	19.92	20.00					
5	16QAM	12	13	19.77	19.93	19.80	21.5	0.5			
5	16QAM	25	0	19.82	19.96	19.93					
5	64QAM	1	0	19.94	20.12	20.00					
5	64QAM	1	12	19.89	19.98	20.03					
5	64QAM	1	24	19.95	19.91	19.99	21.5	0.5			
5	64QAM	12	0	19.78	19.89	19.81					
5	64QAM	12	7	19.75	19.78	19.75					
5	64QAM	12	13	19.72	19.78	19.71					
5	64QAM	25	0	19.80	19.78	19.66	20.5	1.5			
5	256QAM	1	0	17.83	18.01	17.86					
5	256QAM	1	12	17.74	18.03	17.82					
5	256QAM	1	24	17.74	17.70	17.78					
5	256QAM	12	0	17.86	17.93	17.85					
5	256QAM	12	7	17.79	17.86	17.86	18.5	3.5			
5	256QAM	12	13	17.70	17.81	17.70					
5	256QAM	25	0	17.87	17.89	17.89					

Band 41 FCC&IC Default Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.49	22.62	22.66	22.54	22.44	24	0
20	QPSK	1	49	22.33	22.54	22.52	22.25	22.39		
20	QPSK	1	99	22.26	22.31	22.42	22.25	22.24		
20	QPSK	50	0	22.27	22.18	22.34	22.22	22.28		
20	QPSK	50	24	22.05	22.15	22.16	22.15	22.02	23.5	0.5
20	QPSK	50	50	22.09	22.10	22.16	22.06	22.13		
20	QPSK	100	0	22.25	22.10	22.30	22.10	22.20		
20	16QAM	1	0	22.15	22.13	22.28	22.13	22.14		
20	16QAM	1	49	22.01	22.04	22.10	22.09	22.00	23.5	0.5
20	16QAM	1	99	22.02	22.03	22.13	22.04	22.00		
20	16QAM	50	0	21.32	21.18	21.38	21.24	21.29		
20	16QAM	50	24	21.12	21.17	21.20	21.25	21.17		
20	16QAM	50	50	21.01	21.08	21.16	21.16	21.04	22.5	1.5
20	16QAM	100	0	21.30	21.21	21.33	21.19	21.27		
20	64QAM	1	0	21.41	21.33	21.49	21.36	21.38		
20	64QAM	1	49	21.32	21.27	21.37	21.27	21.30		
20	64QAM	1	99	21.19	21.24	21.30	21.20	21.20	22.5	1.5
20	64QAM	50	0	20.27	20.27	20.40	20.30	20.31		
20	64QAM	50	24	20.23	20.24	20.32	20.22	20.29		
20	64QAM	50	50	20.19	20.18	20.24	20.13	20.17		
20	64QAM	100	0	20.10	20.14	20.22	20.25	20.10	21.5	2.5
20	256QAM	1	0	18.24	18.20	18.37	18.24	18.23		
20	256QAM	1	49	18.27	18.18	18.37	18.16	18.24		
20	256QAM	1	99	18.10	18.08	18.23	18.15	18.16		
20	256QAM	50	0	18.19	18.14	18.34	18.19	18.19	19.5	4.5
20	256QAM	50	24	18.19	18.14	18.24	18.10	18.14		
20	256QAM	50	50	18.12	18.05	18.20	18.09	18.10		
20	256QAM	100	0	18.14	18.16	18.28	18.10	18.17		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.37	22.58	22.55	22.43	22.33	24.00	0
15	QPSK	1	37	22.17	22.27	22.46	22.09	22.36		
15	QPSK	1	74	22.14	22.25	22.28	22.17	22.11		
15	QPSK	36	0	22.20	22.08	22.24	22.09	22.25		
15	QPSK	36	20	21.99	22.01	22.09	22.05	21.91	23.5	0.5
15	QPSK	36	39	22.03	22.02	22.05	21.99	22.05		
15	QPSK	75	0	22.13	21.96	22.15	22.06	22.11		
15	16QAM	1	0	22.09	21.98	22.16	22.06	22.11		
15	16QAM	1	37	21.93	22.00	21.97	22.02	21.90	23.5	0.5
15	16QAM	1	74	21.99	21.91	22.04	21.97	21.94		
15	16QAM	36	0	21.28	21.04	21.26	21.18	21.26		
15	16QAM	36	20	20.98	21.09	21.05	21.20	21.09		
15	16QAM	36	39	20.88	21.03	21.01	21.05	20.92	22.5	1.5
15	16QAM	75	0	21.17	21.17	21.20	21.04	21.13		
15	64QAM	1	0	21.32	21.20	21.35	21.31	21.33		
15	64QAM	1	37	21.27	21.18	21.22	21.17	21.22		
15	64QAM	1	74	21.12	21.09	21.23	21.07	21.08	22.5	1.5
15	64QAM	36	0	20.20	20.19	20.36	20.20	20.20		
15	64QAM	36	20	20.09	20.09	20.26	20.17	20.18		
15	64QAM	36	39	20.10	20.15	20.18	19.98	20.12		
15	64QAM	75	0	19.99	20.05	20.08	20.12	20.00	21.5	2.5
15	256QAM	1	0	18.15	18.14	18.29	18.13	18.19		
15	256QAM	1	37	18.20	18.10	18.33	18.02	18.12		
15	256QAM	1	74	18.04	18.02	18.12	18.11	18.08		
15	256QAM	36	0	18.07	18.07	18.21	18.13	18.15	19.5	4.5
15	256QAM	36	20	18.12	18.03	18.16	17.98	18.05		
15	256QAM	36	39	18.08	17.93	18.11	18.02	18.01		
15	256QAM	75	0	18.10	18.11	18.16	18.03	18.06		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.42	22.50	22.49	22.52	22.27	24.00	0
10	QPSK	1	25	22.19	22.51	22.35	22.19	22.31		
10	QPSK	1	49	22.21	22.18	22.34	22.19	22.20		
10	QPSK	25	0	22.16	22.04	22.20	22.08	22.16		
10	QPSK	25	12	21.91	22.04	22.13	22.12	21.92	23.5	0.5
10	QPSK	25	25	21.96	22.05	22.06	21.92	22.04		
10	QPSK	50	0	22.13	21.95	22.18	22.05	22.13		
10	16QAM	1	0	22.10	22.00	22.13	22.05	22.08		
10	16QAM	1	25	21.89	21.96	22.01	22.01	21.87	23.5	0.5
10	16QAM	1	49	21.87	21.90	22.07	21.93	21.86		
10	16QAM	25	0	21.22	21.13	21.29	21.13	21.21		
10	16QAM	25	12	21.05	21.12	21.15	21.10	21.09		
10	16QAM	25	25	20.89	21.05	21.13	21.06	20.90	22.5	1.5
10	16QAM	50	0	21.25	21.07	21.28	21.13	21.15		
10	64QAM	1	0	21.32	21.23	21.40	21.32	21.29		
10	64QAM	1	25	21.23	21.13	21.33	21.14	21.19		
10	64QAM	1	49	21.15	21.14	21.18	21.11	21.14	22.5	1.5
10	64QAM	25	0	20.12	20.17	20.30	20.26	20.23		
10	64QAM	25	12	20.16	20.15	20.19	20.10	20.28		
10	64QAM	25	25	20.10	20.14	20.18	20.10	20.03		
10	64QAM	50	0	20.00	20.01	20.18	20.12	20.08	21.5	2.5
10	256QAM	1	0	18.15	18.06	18.33	18.21	18.20		
10	256QAM	1	25	18.16	18.08	18.29	18.07	18.12		
10	256QAM	1	49	18.05	17.99	18.18	18.12	18.02		
10	256QAM	25	0	18.14	18.09	18.20	18.09	18.10	19.5	4.5
10	256QAM	25	12	18.13	18.09	18.09	17.97	18.09		
10	256QAM	25	25	18.09	18.01	18.10	17.97	17.95		
10	256QAM	50	0	18.08	18.10	18.17	17.99	18.12		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.32	22.47	22.56	22.43	22.42	24.00	0
5	QPSK	1	12	22.20	22.51	22.37	22.13	22.33		
5	QPSK	1	24	22.12	22.27	22.34	22.09	22.20		
5	QPSK	12	0	22.22	22.05	22.23	22.07	22.23		
5	QPSK	12	7	21.94	22.08	22.06	22.00	21.93	23.5	0.5
5	QPSK	12	13	21.99	21.96	22.10	22.01	21.99		
5	QPSK	25	0	22.21	22.04	22.19	21.99	22.17		
5	16QAM	1	0	22.10	22.02	22.15	21.99	22.09		
5	16QAM	1	12	21.89	21.97	22.06	21.99	21.97	23.5	0.5
5	16QAM	1	24	21.87	22.00	22.03	21.95	21.92		
5	16QAM	12	0	21.25	21.12	21.34	21.11	21.20		
5	16QAM	12	13	20.89	20.95	21.02	21.08	20.91		
5	16QAM	25	0	21.18	21.10	21.22	21.08	21.19	22.5	1.5
5	64QAM	1	0	21.35	21.27	21.36	21.28	21.27		
5	64QAM	1	12	21.28	21.13	21.25	21.19	21.16		
5	64QAM	1	24	21.08	21.20	21.26	21.16	21.16		
5	64QAM	12	0	20.12	20.23	20.34	20.20	20.18	21.5	2.5
5	64QAM	12	7	20.14	20.17	20.19	20.15	20.25		
5	64QAM	12	13	20.08	20.04	20.10	20.07	20.04		
5	64QAM	25	0	19.99	19.99	20.16	20.20	20.02		
5	256QAM	1	0	18.13	18.13	18.31	18.11	18.10	19.5	4.5
5	256QAM	1	12	18.24	18.07	18.25	18.02	18.21		
5	256QAM	1	24	17.98	18.00	18.19	18.00	18.01		
5	256QAM	12	0	18.07	18.04	18.20	18.08	18.12		
5	256QAM	12	7	18.06	18.10	18.14	17.99	18.09	19.5	4.5
5	256QAM	12	13	18.01	17.96	18.06	18.03	17.98		
5	256QAM	25	0	18.00	18.06	18.14	18.06	18.09		
5	256QAM	25	0	18.00	18.06	18.14	18.06	18.09		

Band 41 FCC&IC PC2 Default Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490	26	0
				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.60	25.56	25.62	25.46	25.43	26	0
20	QPSK	1	49	25.46	25.23	25.56	25.40	25.36		
20	QPSK	1	99	25.23	25.38	25.42	25.35	25.31	26	0
20	QPSK	50	0	25.42	25.34	25.46	25.21	25.08		
20	QPSK	50	24	25.32	25.23	25.38	25.29	25.10	26	0
20	QPSK	50	50	25.07	25.19	25.20	25.26	25.08		
20	QPSK	100	0	25.32	25.20	25.36	25.28	25.13	26	0
20	16QAM	1	0	25.55	25.46	25.60	25.46	25.41		
20	16QAM	1	49	25.35	25.39	25.48	25.46	25.27	26	0
20	16QAM	1	99	25.30	25.34	25.42	25.44	25.22		
20	16QAM	50	0	24.26	24.15	24.36	24.27	24.10	25	1
20	16QAM	50	24	24.19	24.20	24.28	24.11	24.06		
20	16QAM	50	50	24.11	24.05	24.17	24.11	23.97	25	1
20	16QAM	100	0	24.25	24.21	24.33	24.15	24.17		
20	64QAM	1	0	24.18	24.15	24.29	24.10	24.10	25	1
20	64QAM	1	49	24.02	24.11	24.10	24.10	23.96		
20	64QAM	1	99	24.08	24.03	24.14	24.03	23.96	24	2
20	64QAM	50	0	23.26	23.22	23.38	23.20	23.14		
20	64QAM	50	24	23.15	23.14	23.27	23.19	23.03	24	2
20	64QAM	50	50	23.14	23.10	23.23	23.15	23.06		
20	64QAM	100	0	23.11	23.17	23.23	23.22	23.02	22	4
20	256QAM	1	0	21.51	21.42	21.59	21.46	21.29		
20	256QAM	1	49	21.54	21.40	21.59	21.45	21.30	22	4
20	256QAM	1	99	21.24	21.37	21.38	21.38	21.28		
20	256QAM	50	0	21.36	21.31	21.43	21.35	21.24	22	4
20	256QAM	50	24	21.22	21.16	21.29	21.24	21.04		
20	256QAM	50	50	21.14	21.12	21.21	21.20	21.05	20	0
20	256QAM	100	0	21.32	21.21	21.38	21.19	21.16		
Channel										
Frequency (MHz)				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
				2503.5	2548.3	2593	2637.8	2682.5	26.00	0
15	QPSK	1	0	25.52	25.47	25.59	25.30	25.28	26	0
15	QPSK	1	37	25.39	25.12	25.50	25.28	25.20		
15	QPSK	1	74	25.13	25.30	25.35	25.24	25.23	26	0
15	QPSK	36	0	25.39	25.31	25.31	25.10	24.91		
15	QPSK	36	20	25.20	25.06	25.34	25.19	24.95	26	0
15	QPSK	36	39	24.93	25.03	25.07	25.24	25.04		
15	QPSK	75	0	25.24	25.15	25.23	25.15	25.00	26	0
15	16QAM	1	0	25.43	25.36	25.51	25.38	25.36		
15	16QAM	1	37	25.25	25.30	25.37	25.42	25.23	26	0
15	16QAM	1	74	25.16	25.21	25.28	25.38	25.10		
15	16QAM	36	0	24.22	24.02	24.24	24.16	23.97	25	1
15	16QAM	36	20	24.05	24.08	24.22	24.05	23.92		
15	16QAM	36	39	24.08	23.99	24.08	24.06	23.86	25	1
15	16QAM	75	0	24.19	24.08	24.27	24.04	24.02		
15	64QAM	1	0	24.04	24.10	24.16	24.05	23.99	25	1
15	64QAM	1	37	23.89	24.04	23.97	23.98	23.88		
15	64QAM	1	74	24.03	23.89	24.10	23.94	23.92	24	2
15	64QAM	36	0	23.19	23.18	23.35	23.05	23.05		
15	64QAM	36	20	23.05	22.99	23.22	23.15	22.97	24	2
15	64QAM	36	39	23.04	22.99	23.14	23.10	22.96		
15	64QAM	75	0	23.04	23.03	23.08	23.18	22.92	22	4
15	256QAM	1	0	21.43	21.30	21.51	21.39	21.22		
15	256QAM	1	37	21.42	21.27	21.46	21.36	21.19	22	4
15	256QAM	1	74	21.20	21.26	21.32	21.23	21.20		
15	256QAM	36	0	21.24	21.17	21.34	21.25	21.11	22	4
15	256QAM	36	20	21.08	21.12	21.21	21.16	20.99		
15	256QAM	36	39	21.10	21.08	21.07	21.09	20.98	20	0
15	256QAM	75	0	21.21	21.12	21.31	21.06	21.07		
Channel										
Frequency (MHz)				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
				2501	2547	2593	2639	2685	26.00	0
10	QPSK	1	0	25.44	25.44	25.54	25.33	25.27	26	0
10	QPSK	1	25	25.35	25.11	25.51	25.34	25.28		
10	QPSK	1	49	25.06	25.30	25.30	25.31	25.16	26	0
10	QPSK	25	0	25.34	25.22	25.36	25.10	24.92		
10	QPSK	25	12	25.28	25.05	25.22	25.14	25.03	26	0
10	QPSK	25	25	24.92	25.06	25.09	25.14	24.97		
10	QPSK	50	0	25.30	25.06	25.23	25.24	24.96	26	0
10	16QAM	1	0	25.47	25.40	25.60	25.41	25.36		
10	16QAM	1	25	25.20	25.34	25.40	25.38	25.12	26	0
10	16QAM	1	49	25.21	25.21	25.28	25.36	25.17		
10	16QAM	25	0	24.23	24.09	24.31	24.12	24.03	25	1
10	16QAM	25	12	24.12	24.15	24.22	24.06	23.91		
10	16QAM	25	25	24.04	23.96	24.14	24.04	23.85	25	1
10	16QAM	50	0	24.18	24.14	24.28	24.06	24.13		
10	64QAM	1	0	24.09	24.09	24.26	24.06	23.97	25	1
10	64QAM	1	25	23.94	23.98	24.02	23.99	23.88		
10	64QAM	1	49	23.94	23.89	24.02	23.92	23.86	24	2
10	64QAM	25	0	23.21	23.08	23.28	23.15	23.03		
10	64QAM	25	12	23.05	23.10	23.24	23.09	22.89	24	2
10	64QAM	25	25	23.02	22.97	23.20	23.08	22.96		
10	64QAM	50	0	22.97	23.07	23.13	23.18	22.98	22	4
10	256QAM	1	0	21.47	21.39	21.54	21.36	21.18		
10	256QAM	1	25	21.51	21.26	21.47	21.39	21.25	22	4
10	256QAM	1	49	21.14	21.30	21.35	21.30	21.22		
10	256QAM	25	0	21.28	21.21	21.36	21.32	21.20	22	4
10	256QAM	25	12	21.09	21.04	21.23	21.17	20.94		
10	256QAM	25	25	20.99	21.07	21.13	21.16	20.96	20	0
10	256QAM	50	0	21.28	21.16	21.27	21.11	21.02		
Channel										
Frequency (MHz)				39675	40148	40620	41093	41595	Tune-up limit (dBm)	MPR (dB)
				2498.5	2545.8	2593	2640.30	2687.5	26.00	0
5	QPSK	1	0	25.51	25.43	25.46	25.38	25.40	26	0
5	QPSK	1	12	25.43	25.07	25.45	25.33	25.31		
5	QPSK	1	24	25.15	25.24	25.36	25.21	25.26	26	0
5	QPSK	12	0	25.39	25.32	25.41	25.09	24.93		
5	QPSK	12	7	25.24	25.15	25.28	25.12	25.03	26	0
5	QPSK	12	13	24.93	25.06	25.02	25.17	25.05		
5	QPSK	25	0	25.21	25.05	25.28	25.22	25.09	26	0
5	16QAM	1	0	25.47	25.42	25.52	25.38	25.27		
5	16QAM	1	12	25.29	25.29	25.33	25.35	25.24	26	0
5	16QAM	1	24	25.19	25.21	25.36	25.34	25.18		
5	16QAM	12	0	24.20	24.02	24.31	24.20	24.02	25	1
5	16QAM	12	7	24.15	24.14	24.19	24.06	23.97		
5	16QAM	12	13	24.06	23.98	24.03	24.07	23.89	25	1
5	16QAM	25	0	24.12	24.15	24.26	24.06	24.07		
5	64QAM	1	0	24.07	24.10	24.21	24.05	24.00	25	1
5	64QAM	1	12	23.91	23.97	24.02	24.07	23.92		
5	64QAM	1	24	23.97	23.99	24.11	23.99	23.89	24	2
5	64QAM	12	0	23.18	23.14	23.27	23.07	23.06		
5	64QAM	12	7	23.08	23.08	23.15	23.10	22.99	24	2
5	64QAM	12	13	23.00	22.98	23.16	23.05	23.01		
5	64QAM	25	0	23.08	23.11	23.11	23.18	22.98	22	4
5	256QAM	1	0	21.45	21.34	21.49	21.41	21.22		
5	256QAM	1	12	21.48	21.25	21.46	21.37	21.17	22	4
5	256QAM	1	24	21.19	21.30	21.32	21.28	21.22		
5	256QAM	12	0	21.28	21.25	21.33	21.22	21.19	22	4
5	256QAM	12	7	21.19	21.07	21.22	21.20	20.93		
5	256QAM	12	13	21.08	21.06	21.15	21.16	20.96	22	4
5	256QAM	25	0	21.24	21.16	21.25	21.12	21.06		

GSM850 Ant1									
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	128	169	251		128	169	251		
Frequency (MHz)	824.2	835.4	846.6		824.2	835.4	846.6		
GSM 1 Tx slot	31.42	31.48	31.36	32.50	22.42	22.48	22.36	23.50	0.15
GPRS 1 Tx slot	31.39	31.45	31.33	32.50	22.39	22.45	22.33	23.50	
GPRS 2 Tx slots	28.27	28.39	28.32	29.50	22.27	22.39	22.32	23.50	0.12
GPRS 3 Tx slots	26.80	26.91	26.80	28.00	22.54	22.65	22.54	23.74	0.11
GPRS 4 Tx slots	25.16	25.22	25.17	26.00	22.16	22.22	22.17	23.00	0.06
EDGE 1 Tx slot	24.03	24.17	24.05	25.00	15.03	15.17	15.05	16.00	0.14
EDGE 2 Tx slots	22.29	22.41	22.34	23.50	16.29	16.41	16.34	17.50	0.12
EDGE 3 Tx slots	21.15	21.23	21.08	22.00	16.89	16.97	16.82	17.74	0.15
EDGE 4 Tx slots	18.99	19.08	18.93	20.00	15.99	16.08	15.93	17.00	0.15

GSM1900 Ant1									
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	512	661	810		512	661	810		
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot	27.66	27.74	27.63	28.50	18.66	18.74	18.63	19.50	0.22
GPRS 1 Tx slot	27.52	27.67	27.57	28.50	18.52	18.67	18.57	19.50	
GPRS 2 Tx slots	25.06	25.09	24.98	26.00	19.06	19.09	18.98	20.00	0.11
GPRS 3 Tx slots	23.36	23.42	23.32	24.50	19.10	19.16	19.06	20.24	0.10
GPRS 4 Tx slots	20.62	20.74	20.63	21.50	17.62	17.74	17.63	18.50	0.12
EDGE 1 Tx slot	22.78	22.86	22.72	23.50	13.78	13.86	13.72	14.50	0.14
EDGE 2 Tx slots	21.13	21.22	21.13	22.00	15.13	15.22	15.13	16.00	0.09
EDGE 3 Tx slots	19.86	19.96	19.86	21.00	15.60	15.70	15.60	16.74	0.10
EDGE 4 Tx slots	17.91	18.05	17.97	19.00	14.91	15.05	14.97	16.00	0.14

WCDMA II Ant1					WCDMA IV Ant1					WCDMA V Ant1				
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)		WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513			4132	4182	4233		
Tx Channel	9262	9400	9538		1537	1638	1738			4357	4407	4458		
Rx Channel	9662	9800	9938		1712.4	1732.6	1752.8			526.4	536.4	546.6		
Frequency (MHz)	1852.4	1860	1907.6		1712.4	1732.6	1752.8			526.4	536.4	546.6		
3GPP Rel 99	21.45	21.53	21.44	23.00	21.42	21.44	21.31	23.00		21.14	21.17	21.04	23.00	
3GPP Rel 99	RMC 12.2kbps	21.48	21.57	21.51	23.00	21.45	21.49	21.37	23.00	21.17	21.23	21.09	23.00	
3GPP Rel 6	HSDPA Subtest-1	20.55	20.64	20.47	22.00	20.46	20.57	20.32	22.00	20.23	20.23	20.02	22.00	
3GPP Rel 6	HSDPA Subtest-2	20.48	20.57	20.52	22.00	20.42	20.50	20.41	22.00	20.12	20.22	20.17	22.00	
3GPP Rel 6	HSDPA Subtest-3	20.02	20.14	20.10	21.50	19.91	20.02	19.95	21.50	19.57	19.70	19.69	21.50	
3GPP Rel 6	HSDPA Subtest-4	19.95	20.18	20.08	21.50	19.87	20.11	19.94	21.50	19.56	19.79	19.61	21.50	
3GPP Rel 8	DC-HSDPA Subtest-1	20.50	20.70	20.45	22.00	20.46	20.63	20.35	22.00	20.21	20.32	20.01	22.00	
3GPP Rel 8	DC-HSDPA Subtest-2	20.37	20.42	20.36	22.00	20.33	20.29	20.28	22.00	20.08	20.06	19.94	22.00	
3GPP Rel 8	DC-HSDPA Subtest-3	19.99	19.96	19.92	21.50	19.94	19.84	19.88	21.50	19.69	19.58	19.65	21.50	
3GPP Rel 8	DC-HSDPA Subtest-4	19.87	19.94	19.99	21.50	19.82	19.80	19.93	21.50	19.49	19.47	19.64	21.50	
3GPP Rel 6	HSUPA Subtest-1	20.56	20.61	20.66	22.00	20.43	20.56	20.56	22.00	20.15	20.22	20.28	22.00	
3GPP Rel 6	HSUPA Subtest-2	18.53	18.67	18.52	20.00	18.42	18.53	18.39	20.00	18.09	18.19	18.13	20.00	
3GPP Rel 6	HSUPA Subtest-3	19.53	19.62	19.58	21.00	19.43	19.53	19.47	21.00	19.19	19.20	19.15	21.00	
3GPP Rel 6	HSUPA Subtest-4	18.45	18.48	18.44	20.00	18.37	18.45	18.35	20.00	18.04	18.14	18.03	20.00	
3GPP Rel 6	HSUPA Subtest-5	20.59	20.49	20.39	22.00	20.55	20.36	20.33	22.00	20.21	20.03	20.08	22.00	

Band 12 Default Ant 1										
BS Band	Modulation	RB Size	RB Cnt	Power Class	Power Class	Power Class	Power Class	Transmit rate (kbps)	MPE (dB)	
Channel				2500W	2500W	2500W	2500W			
Frequency (MHz)	7.5	7.5	7.5	7.5	7.5	7.5	7.5			
10 QPSK	1	0		21.61	21.37	21.68				
10 QPSK	1	25		21.43	21.81	21.62			23	0
10 QPSK	1	50		21.47	21.86	21.62				
10 QPSK	25	0		21.69	21.70	21.55				
10 QPSK	25	12.5		21.58	21.83	21.53			23	0
10 QPSK	25	25		21.48	21.88	21.48				
10 QPSK	50	0		21.51	21.57	21.45				
10 QPSK	50	1		21.55	21.83	21.51				
10 QPSK	50	2.5		21.48	21.88	21.48			23	0
10 QPSK	1	49		21.35	21.46	21.44				
10 QPSK	25	0		21.39	21.59	21.49				
10 QPSK	25	12.5		21.34	21.54	21.44				
10 QPSK	25	25		21.38	21.39	21.41			22.5	0.1
10 QPSK	50	0		21.53	21.54	21.49				
10 QPSK	50	1		21.54	21.55	21.50				
10 QPSK	1	26		21.29	21.32	21.33			22.5	0.1
10 QPSK	25	0		20.47	20.34	21.29				
10 QPSK	25	12.5		20.37	20.43	20.33				
10 QPSK	25	25		20.29	20.34	20.33			21.5	1.3
10 QPSK	50	0		20.25	20.27	20.30				
10 QPSK	50	1		18.44	18.52	18.48				
10 QPSK	1	29		18.42	18.52	18.49			19.5	3.5
10 QPSK	25	0		18.41	18.37	18.33				
10 QPSK	25	0		18.35	18.53	18.42				
10 QPSK	25	12.5		18.26	18.37	18.36			19.5	3.5
10 QPSK	25	25		18.32	18.32	18.32				
10 QPSK	50	0		18.33	18.45	18.30				
10 QPSK	50	1		18.33	18.45	18.30			Unlimited rate after	
Frequency (MHz)	7015	7015	7015	7015	7015	7015	7015		MPE (dB)	
5 QPSK	1	0		21.56	21.63	21.54				
5 QPSK	1	12		21.37	22.59	21.43			23	0
5 QPSK	1	25		21.41	22.58	21.43				
5 QPSK	12	0		21.51	21.58	21.44				
5 QPSK	12	7.5		21.49	22.58	21.59			23	0
5 QPSK	12	15		21.34	22.58	21.59				
5 QPSK	25	0		21.40	21.46	21.53				
5 QPSK	25	1		21.48	22.51	21.49				
5 QPSK	25	12.5		21.35	22.57	21.43				
5 QPSK	1	24		21.22	21.37	21.31				
5 QPSK	12	0		21.31	22.46	21.41				
5 QPSK	12	7.5		21.23	22.49	21.38				
5 QPSK	12	15		21.27	21.32	21.27			22.5	0.5
5 QPSK	25	0		21.26	21.43	21.34				
5 QPSK	25	1		21.32	22.46	21.36				
5 QPSK	1	12		21.12	21.17	21.27			22.5	0.5
5 QPSK	1	24		21.13	22.26	20.20				
5 QPSK	12	0		20.41	20.41	20.41				
5 QPSK	12	7.5		20.33	20.34	20.19			21	1.5
5 QPSK	12	15		20.17	20.20	20.18				
5 QPSK	25	0		20.15	20.22	20.14				
5 QPSK	25	0		18.36	18.53	18.35				
5 QPSK	25	1		18.31	18.50	18.45			19.5	3.5
5 QPSK	25	12.5		18.26	18.37	18.36				
5 QPSK	25	25		18.30	18.30	18.31				
5 QPSK	50	0		18.37	18.42	18.23			19.5	3.5
5 QPSK	50	1		18.32	18.42	18.23				
5 QPSK	50	2.5		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50	1		18.30	18.42	18.17				
5 QPSK	50									

Band 13 Default Ant 1									
Site/Band	Modulation	RB Size	RB Offset	Power MIMO Ch./Freq.	Power MIMO Ch./Freq.	Power MIMO Ch./Freq.	Transmit Rate (Mbps)	MPE (dB)	
Channel Frequency (MHz)									
10	QPSK	1	0	21.07	21.07	21.07			
10	QPSK	1	20	21.48	21.48	21.48	23	0	
10	QPSK	25	0	21.38	21.38	21.38			
10	QPSK	25	0	21.03	21.03	21.03			
10	QPSK	25	12	21.50	21.50	21.50	23	0	
10	16QAM	1	0	21.39	21.39	21.39			
10	16QAM	1	0	21.56	21.56	21.56			
10	16QAM	1	49	21.45	21.45	21.45	23	0	
10	16QAM	25	0	21.47	21.47	21.47			
10	16QAM	25	0	21.45	21.45	21.45			
10	16QAM	25	12	21.40	21.40	21.40	22.5	0.5	
10	16QAM	50	0	21.36	21.36	21.36			
10	16QAM	50	0	21.19	21.19	21.19			
10	16QAM	1	26	21.04	21.04	21.04	22.0	0.5	
10	16QAM	1	49	21.02	21.02	21.02			
10	16QAM	25	0	20.21	20.21	20.21			
10	16QAM	25	12	20.12	20.12	20.12	21.5	1.5	
10	16QAM	25	20	20.14	20.14	20.14			
10	256QAM	1	0	19.92	19.92	19.92			
10	256QAM	1	0	18.18	18.18	18.18			
10	256QAM	1	20	18.12	18.12	18.12	19.5	3.5	
10	256QAM	1	20	17.99	17.99	17.99			
10	256QAM	1	20	18.14	18.14	18.14			
10	256QAM	25	12	17.97	17.97	17.97	19.5	3.5	
10	256QAM	25	12	18.17	18.17	18.17			
10	256QAM	50	0	18.12	18.12	18.12			
Channel Frequency (MHz)									
5	QPSK	1	0	779.5	779.5	779.5			
5	QPSK	1	0	21.53	21.52	21.50			
5	QPSK	1	12	21.42	21.44	21.34	23	0	
5	QPSK	1	24	21.42	21.38	21.43			
5	QPSK	12	0	21.54	21.57	21.57			
5	QPSK	12	7	21.46	21.45	21.36	23	0	
5	QPSK	12	7	21.52	21.52	21.52			
5	QPSK	12	0	21.45	21.46	21.45			
5	16QAM	1	0	21.47	21.37	21.38			
5	16QAM	1	24	21.31	21.31	21.20	23	0	
5	16QAM	1	24	21.36	21.37	21.42			
5	16QAM	12	0	21.33	21.33	21.42			
5	16QAM	12	0	21.33	21.33	21.33			
5	16QAM	12	13	21.28	21.27	21.28	22.5	0.5	
5	16QAM	25	0	21.26	21.32	21.32			
5	16QAM	25	0	21.08	21.14	21.14			
5	16QAM	1	12	20.96	20.94	20.97	22.0	0.5	
5	16QAM	1	24	20.94	20.91	20.95			
5	16QAM	12	7	20.14	20.13	20.18			
5	16QAM	12	7	20.08	20.08	20.05	21.5	1.5	
5	16QAM	12	13	20.04	20.01	20.07			
5	16QAM	12	13	19.77	19.71	19.77			
5	256QAM	1	0	18.11	18.15	18.08			
5	256QAM	1	12	18.07	18.07	18.01	19.5	3.5	
5	256QAM	1	24	18.06	18.06	17.95			
5	256QAM	12	0	18.08	18.08	18.10			
5	256QAM	12	7	17.83	17.83	17.85			
5	256QAM	12	7	17.85	17.85	17.85	19.5	3.5	
5	256QAM	12	13	17.84	17.84	17.84			
5	256QAM	50	0	18.04	18.07	18.07			

Band 14 Default Ant 1									
BS Band	Modulation	RB Size	RB Offset	Power MIMO Ch./Freq.	Power MIMO Ch./Freq.	Power MIMO Ch./Freq.	Transmit Rate (kbps)	MPE (dB)	
25500									
700									
10	QPSK	1	0	21.72					
10	QPSK	1	24	21.53			23	0	
10	QPSK	1	25	21.54					
10	QPSK	25	0	21.68					
10	QPSK	25	12	21.52			23	0	
10	QPSK	25	25	21.49					
10	QPSK	50	0	21.00					
10	HQAM	1	0	21.57					
10	HQAM	1	24	21.39			23	0	
10	HQAM	1	49	21.37					
10	HQAM	25	0	21.52					
10	HQAM	25	12	21.43			22.5	0.5	
10	HQAM	25	25	21.37					
10	HQAM	50	0	21.40					
10	HQAM	50	12	21.13			22.5	0.5	
10	HQAM	1	26	21.05					
10	HQAM	1	49	20.93					
10	HQAM	1	73	20.90					
10	HQAM	25	12	19.96			21.5	1.5	
10	HQAM	25	25	19.99					
10	HQAM	50	0	19.88					
10	25QAM	1	0	18.43					
10	25QAM	1	25	18.43			19.5	3.5	
10	25QAM	1	49	19.29					
10	25QAM	25	0	18.42					
10	25QAM	25	12	18.23			19.5	3.5	
10	25QAM	25	25	18.24					
10	25QAM	50	0	18.45					
25500									
700.5									
795.5									
5	QPSK	1	0	21.56	21.61	21.53			
5	QPSK	1	12	21.52	21.57	21.25	23	0	
5	QPSK	1	24	21.48	21.48	21.25			
5	QPSK	12	0	21.45	21.55	21.37			
5	QPSK	12	7	21.32	21.42	21.38	23	0	
5	QPSK	12	14	21.40	21.40	21.35			
5	QPSK	25	0	21.38	21.57	21.55			
5	HQAM	1	0	21.29	21.48	21.45			
5	HQAM	1	12	21.32	21.35	21.15	23	0	
5	HQAM	1	24	21.26	21.23	21.25			
5	HQAM	12	0	21.36	21.46	21.29			
5	HQAM	12	7	21.34	21.34	21.27	22.5	0.5	
5	HQAM	12	14	21.16	21.23	21.14			
5	HQAM	25	0	20.19	21.38	21.30			
5	HQAM	25	12	20.00	21.01	20.01	22.5	0.5	
5	HQAM	1	12	20.00	20.81	20.91			
5	HQAM	1	24	20.75	20.62	20.65			
5	HQAM	1	49	19.96	19.96	19.96			
5	HQAM	12	7	19.81	19.89	19.82	21.5	1.5	
5	HQAM	12	14	19.67	19.67	19.68			
5	HQAM	1	73	19.86	19.81	19.88			
5	25QAM	1	0	18.12	18.30	18.17			
5	25QAM	1	12	18.14	18.40	18.06	19.5	3.5	
5	25QAM	1	24	18.11	18.11	18.18			
5	25QAM	12	0	18.11	18.33	18.11			
5	25QAM	12	7	18.11	18.15	18.03	19.5	3.5	
5	25QAM	12	14	18.11	18.11	18.05			
5	25QAM	25	0	18.24	18.35	18.1			

Band 17 Default Ant 1									
BS Band	Modulation	RB Size	RB Offset	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Transmit Rate (bits/s)	MPE (dB)
				25750	25750	25750	25750		
Frequency (MHz)				715	715	715	715		
5	QPSK	1	0	21.61	21.61	21.66	21.66		
10	QPSK	1	20	21.42	21.49	21.38		23	0
10	QPSK	1	24	21.46	21.48	21.48			
10	QPSK	25	12	21.32	21.58	21.41		23	0
10	QPSK	25	12	21.32	21.31	21.29			
10	QPSK	50	50	21.48	21.52	21.47		23	0
10	16QAM	1	0	21.31	21.31	21.40			
10	16QAM	1	20	21.25	21.31	21.28			
10	16QAM	1	40	21.24	21.37	21.33		23	0
10	16QAM	25	12	21.24	21.41	21.32			
10	16QAM	25	12	21.22	21.23	21.21			
10	16QAM	50	50	21.20	21.27	21.18		22.5	0.5
10	16QAM	50	50	21.22	21.36	21.30			
10	16QAM	1	20	21.34	21.27	21.34			
10	16QAM	1	20	21.08	21.22	21.10		22.0	0.5
10	16QAM	1	40	21.03	21.20	21.09			
10	16QAM	25	12	20.95	21.17	21.09			
10	16QAM	25	12	20.95	20.95	20.95		21.5	1.5
10	16QAM	25	20	20.99	20.93	20.94			
10	16QAM	25	20	20.97	20.97	20.97			
10	256QAM	1	0	18.28	18.41	18.31			
10	256QAM	1	20	18.19	18.41	18.27		19.5	3.5
10	256QAM	1	20	18.18	18.29	18.21			
10	256QAM	25	12	18.08	18.26	18.10			
10	256QAM	25	12	18.02	18.08	18.00		19.5	3.5
10	256QAM	25	12	18.06	18.06	17.97			
10	256QAM	50	50	18.21	18.34	18.26			
				25750	25750	25750	25750		
Frequency (MHz)				715	715	715.5	715.5	Transmit Rate (bits/s)	MPE (dB)
5	QPSK	1	0	21.47	21.58	21.41			
5	QPSK	1	12	21.38	21.37	21.31		23	0
5	QPSK	1	42	21.43	21.37	21.33			
5	QPSK	12	12	21.23	21.47	21.27			
5	QPSK	12	7	21.24	21.23	21.14			
5	QPSK	12	12	21.23	21.23	21.20			
5	QPSK	25	25	21.41	21.46	21.30			
5	16QAM	1	0	21.18	21.39	21.27			
5	16QAM	1	20	21.12	21.38	21.26		23	0
5	16QAM	1	24	21.21	21.22	21.21			
5	16QAM	12	12	21.21	21.30	21.23			
5	16QAM	12	12	21.13	21.23	21.13		22.5	0.5
5	16QAM	25	25	21.16	21.25	21.21			
5	16QAM	25	12	21.21	21.20	21.21			
5	16QAM	1	12	21.02	21.18	20.95		22.0	0.5
5	16QAM	1	24	20.96	21.16	20.93			
5	16QAM	12	7	20.95	20.99	20.94			
5	16QAM	12	7	20.95	20.99	20.94		21.5	1.5
5	16QAM	12	12	20.96	20.92	20.95			
5	16QAM	12	12	20.92	20.91	20.91			
5	256QAM	1	0	18.22	18.31	18.24			
5	256QAM	1	12	18.06	18.24	18.14		19.5	3.5
5	256QAM	1	12	18.02	18.02	18.07			
5	256QAM	12	12	18.02	18.12	18.07			
5	256QAM	12	7	18.03	18.02	18.00		19.5	3.5
5	256QAM	12	12	18.01	17.92	18.02			
5	256QAM	25	25	18.11	18.24	18.12			

Band 25 Default Ant 1																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	APR3 (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	21.00	21.11	21.06	22	0								
20	QPSK	1	49	20.83	20.94	20.88										
20	QPSK	1	99	20.83	20.92	20.87	22	0								
20	QPSK	50	0	20.92	21.00	20.96										
20	QPSK	50	24	20.84	20.94	20.89	22	0								
20	QPSK	50	50	20.76	20.87	20.80										
20	QPSK	100	0	20.89	21.02	20.94	22	0								
20	16QAM	1	0	20.87	21.00	20.93										
20	16QAM	1	49	20.92	20.97	20.89	22	0								
20	16QAM	1	99	20.78	20.85	20.80										
20	16QAM	50	0	20.84	21.00	20.94	22	0								
20	16QAM	50	24	20.77	20.90	20.81										
20	16QAM	50	50	20.74	20.79	20.75	22	0								
20	16QAM	100	0	20.86	20.95	20.90										
20	64QAM	1	0	20.88	21.09	20.97	22	0								
20	64QAM	1	49	20.92	20.97	20.89										
20	64QAM	1	99	20.88	20.89	20.80	22	0								
20	64QAM	50	0	20.89	21.01	20.89										
20	64QAM	50	24	20.81	20.89	20.84	22	0								
20	64QAM	50	50	20.70	20.78	20.74										
20	64QAM	100	0	20.86	20.95	20.90	19	3								
20	256QAM	1	0	17.80	18.07	17.88										
20	256QAM	1	49	17.82	18.07	17.88	19	3								
20	256QAM	1	99	17.77	17.84	17.77										
20	256QAM	50	0	17.80	17.85	17.84	19	3								
20	256QAM	50	24	17.80	17.85	17.84										
20	256QAM	50	50	17.71	17.82	17.78	19	3								
20	256QAM	100	0	17.82	17.85	17.80										
Channel																
Frequency (MHz)																
18	QPSK	1	0	18.07	18.00	18.07	22	0								
18	QPSK	1	37	20.75	20.81	20.79										
18	QPSK	1	74	20.75	20.84	20.78	22	0								
18	QPSK	36	0	20.83	20.94	20.91										
18	QPSK	36	25	20.80	20.77	20.77	22	0								
18	QPSK	36	39	20.62	20.70	20.74										
18	QPSK	75	0	20.62	20.69	20.68	22	0								
18	16QAM	1	0	20.80	20.88	20.88										
18	16QAM	1	37	20.77	20.83	20.79	22	0								
18	16QAM	1	74	20.66	20.75	20.70										
18	16QAM	36	0	20.71	20.98	20.71	22	0								
18	16QAM	36	25	20.71	20.86	20.74										
18	16QAM	36	39	20.67	20.78	20.72	22	0								
18	16QAM	75	0	20.78	20.81	20.81										
18	64QAM	1	0	20.83	21.06	20.86	22	0								
18	64QAM	1	37	20.86	20.89	20.87										
18	64QAM	1	74	20.74	20.85	20.70	22	0								
18	64QAM	36	0	20.76	20.96	20.75										
18	64QAM	36	25	20.76	20.86	20.74	22	0								
18	64QAM	36	39	20.62	20.81	20.80										
18	64QAM	75	0	20.77	20.81	20.88	22	0								
18	256QAM	1	0	17.80	17.89	17.78										
18	256QAM	1	37	17.88	18.03	17.78	19	3								
18	256QAM	1	74	17.83	17.71	17.73										
18	256QAM	36	0	17.86	17.85	17.86	19	3								
18	256QAM	36	25	17.69	17.78	17.77										
18	256QAM	36	39	17.66	17.78	17.67	19	3								
18	256QAM	75	0	17.78	17.80	17.80										
Channel																
Frequency (MHz)																
20	QPSK	1	0	20.60	20.60	20.60	22	0								
20	QPSK	1	25	20.78	20.93	20.89										
20	QPSK	1	49	20.78	20.80	20.73	22	0								
20	QPSK	25	0	21.02	21.02	21.02										
20	QPSK	25	12	20.77	20.77	20.76	22	0								
20	QPSK	25	25	20.63	20.78	20.73										
20	QPSK	50	0	20.79	20.98	20.88	22	0								
20	16QAM	1	0	20.80	20.97	20.82										
20	16QAM	1	25	20.74	20.76	20.79	22	0								
20	16QAM	1	49	20.76	20.71	20.78										
20	16QAM	25	0	20.77	20.91	20.79	22	0								
20	16QAM	25	12	20.68	20.86	20.77										
20	16QAM	36	0	20.67	20.84	20.82	22	0								
20	16QAM	50	0	20.76	20.81	20.85										
20	64QAM	1	0	20.89	21.00	20.93	22	0								
20	64QAM	1	24	20.77	20.85	20.77										
20	64QAM	1	49	20.84	20.80	20.89	22	0								
20	64QAM	25	0	20.79	20.88	20.74										
20	64QAM	25	12	20.68	20.86	20.77	22	0								
20	64QAM	25	25	20.65	20.66	20.62										
20	64QAM	50	0	20.71	20.91	20.81	22	0								
20	256QAM	1	0	17.87	18.02	17.77										
20	256QAM	1	25	17.88	17.99	17.74	19	3								
20	256QAM	1	49	17.71	17.75	17.65										
20	256QAM	25	0	17.80	17.85	17.85	19	3								
20	256QAM	25	12	17.74	17.71	17.77										
20	256QAM	25	25	17.64	17.74	17.74	19	3								
20	256QAM	50	0	17.82	17.86	17.79										
Channel																
Frequency (MHz)																
5	QPSK	1	0	20.94	21.00	21.01	22	0								
5	QPSK	1	12	20.80	20.84	20.89										
5	QPSK	1	24	20.69	20.81	20.89	22	0								
5	QPSK	12	0	20.78	20.86	20.82										
5	QPSK	12	7	20.73	20.83	20.74	22	0								
5	QPSK	12	13	20.64	20.80	20.74										
5	QPSK	25	0	20.81	20.92	20.90	22	0								
5	16QAM	1	0	20.73	20.92	20.82										
5	16QAM	1	12	20.73	20.81	20.75	22	0								
5	16QAM	1	24	20.68	20.71	20.76										
5	16QAM	12	0	20.77	20.90	20.86	22	0								
5	16QAM	12	7	20.72	20.78	20.74										
5	16QAM	12	13	20.64	20.74	20.67	22	0								
5	16QAM	25	0	20.69	20.84	20.80										
5	16QAM	25	7	20.65	20.85	20.74	22	0								
5	16QAM	25	13	20.56	20.68	20.61										
5	16QAM	50	0	20.72	20.79	20.76	22	0								
5	64QAM	1	0	20.75	20.90	20.84										
5	64QAM	1	7	20.77	20.74	20.76	22	0								
5	64QAM	1	14	20.68	20.78	20.70										
5	64QAM	12	0	20.74	20.94	20.80	22	0								
5	64QAM	12	7	20.69	20.83	20.77										
5	64QAM	12	13	20.62	20.72	20.65	22	0								
5	64QAM	25	0	20.77	20.97	20.83										
5	64QAM	25	7	20.72	20.82	20.74	22	0								
5	64QAM	25	13	20.63	20.73	20.66										
5	64QAM	50	0	20.81	20.88	20.88	22	0								
5	256QAM	1	0	17.76	17.86	17.78										
5	256QAM	1	7	17.71	17.69	17.63	19	3								
5	256QAM	1	14	17.62	17.72	17.66										
5	256QAM	12	0	17.76	17.87	17.75	19	3								
5	256QAM	12	7	17.71	17.74	17.74										
5	256QAM	12	13	17.62	17.70	17.74	19	3								
5	256QAM	25	0	17.83	18.04	17.83										
Channel																
Frequency (MHz)																
3	QPSK	1	0	20.96	20.99	20.98	22	0								
3	QPSK	1	12	20.82	20.83	20.84										
3	QPSK	1	24	20.70	20.82	20.87	22	0								
3	QPSK	12	0	20.78	20.86	20.82										
3	QPSK	12	7	20.73	20.83	20.74	22	0								
3	QPSK	12	13	20.64	20.74	20.67										
3	QPSK	25	0	20.81	20.92	20.90	22	0								
3	16QAM	1	0	20.73	20.92	20.82										
3	16QAM	1	12	20.73	20.81	20.75	22	0								
3	16QAM	1	24	20.68	20.71	20.76										
3	16QAM	12	0	20.77	20.90	20.86	22	0								
3	16QAM	12	7	20.72	20.78	20.74										
3	16QAM	12	13	20.64	20.74	20.67	22	0								
3	16QAM	25	0	20.69	20.84	20.80										
3	16QAM	25	7	20.65	20.85	20.74	22	0								
3	16QAM	25	13	20.56	20.68	20.61										
3	16QAM	50	0	20.72	20.79	20.76	22	0								
3	64QAM	1	0	20.75	20.90	20.84										
3	64QAM	1	7	20.77	20.74	20.76	22	0								
3	64QAM	1	14	20.68	20.78	20.70										
3	64QAM	12	0	20.74	20.94	20.80	22	0								
3	64QAM	12	7	20.69	20.83	20.77										
3	64QAM	12	13	20.62	20.72	20.65	22	0								
3	64QAM	25	0	20.77	20.97	20.83										
3	64QAM	25	7	20.72	20.82	20.74	22	0								
3	64QAM	25	13	20.63	20.73	20.66										
3	64QAM	50	0	20.81	20.88	20.88	22	0								
3	256QAM	1	0	17.76	17.86	17.78										
3	256QAM	1	7	17.71	17.69	17.63	19	3								
3	256QAM	1	14	17.62	17.72	17.66										
3	256QAM	12	0	17.76	17.87	17.75	19	3								
3	256QAM	12	7	17.71	17.74	17.74										
3	256QAM	12	13	17.62	17.73	17.74	19	3								
3	256QAM	25	0	17.83	18.04	17.83										
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	20.93												



Band 66 Default Ant 1														
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq. 180072	Power Middle Ch./Freq. 180332	Power High Ch./Freq. 180592	Tune-up Int. (mHz)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.03	21.12	20.97	22	0						
20	QPSK	1	49	20.91	21.03	20.96								
20	QPSK	1	99	20.86	20.90	20.79								
20	QPSK	50	0	20.87	21.07	20.96								
20	QPSK	50	24	20.83	20.98	20.84	22	0						
20	QPSK	50	50	20.80	20.87	20.88								
20	QPSK	100	0	20.84	20.95	20.82								
20	16QAM	1	0	20.90	20.92	20.87								
20	16QAM	1	49	20.74	20.80	20.78	22	0						
20	16QAM	1	99	20.78	20.82	20.73								
20	16QAM	50	0	20.71	20.87	20.79								
20	16QAM	50	24	20.64	20.69	20.65								
20	16QAM	50	50	20.63	20.69	20.69	22	0						
20	16QAM	100	0	20.62	20.64	20.62								
20	64QAM	1	0	20.81	20.90	20.74								
20	64QAM	1	49	20.75	20.80	20.77								
20	64QAM	1	99	20.65	20.69	20.68	22	0						
20	64QAM	50	0	20.61	20.70	20.69								
20	64QAM	50	24	20.59	20.70	20.64								
20	64QAM	50	50	20.58	20.60	20.49								
20	256QAM	100	0	20.74	20.83	20.82	19	3						
20	256QAM	1	0	17.89	18.10	17.85								
20	256QAM	1	49	17.93	18.10	17.95								
20	256QAM	1	99	17.79	17.80	17.85								
20	256QAM	50	0	17.60	17.75	17.63	19	3						
20	256QAM	50	24	17.60	17.58	17.52								
20	256QAM	50	50	17.47	17.58	17.47								
20	256QAM	100	0	17.78	17.80	17.80								
Channel														
Frequency (MHz)														
15	QPSK	1	0	20.92	21.07	20.92	22	0						
15	QPSK	1	37	20.78	20.90	20.79								
15	QPSK	1	74	20.77	20.76	20.71								
15	QPSK	36	0	20.78	21.01	20.83								
15	QPSK	36	20	20.75	20.79	20.79	22	0						
15	QPSK	36	39	20.67	20.63	20.79								
15	QPSK	75	0	20.74	20.82	20.77								
15	16QAM	1	0	20.81	20.83	20.75								
15	16QAM	1	37	20.63	20.63	20.77	22	0						
15	16QAM	1	74	20.69	20.69	20.68								
15	16QAM	36	0	20.69	20.74	20.64								
15	16QAM	36	20	20.64	20.64	20.51								
15	16QAM	36	20	20.59	20.59	20.59	22	0						
15	16QAM	75	0	20.75	20.88	20.70								
15	64QAM	1	0	20.71	20.80	20.69								
15	64QAM	1	37	20.61	20.69	20.69								
15	64QAM	1	74	20.54	20.55	20.55	22	0						
15	64QAM	36	0	20.56	20.70	20.62								
15	64QAM	36	20	20.53	20.62	20.48								
15	64QAM	36	39	20.48	20.52	20.38								
15	64QAM	75	0	20.67	20.69	20.68	19	3						
15	256QAM	1	0	17.75	17.85	17.71								
15	256QAM	1	37	17.78	18.02	17.83								
15	256QAM	1	74	17.85	17.85	17.81								
15	256QAM	36	0	17.46	17.70	17.62	19	3						
15	256QAM	36	20	17.47	17.53	17.41								
15	256QAM	36	39	17.37	17.50	17.33								
15	256QAM	75	0	17.44	17.81	17.74								
Channel														
Frequency (MHz)														
10	QPSK	1	0	20.64	21.01	20.71	22	0						
10	QPSK	1	25	20.63	20.69	20.71								
10	QPSK	1	49	20.82	20.78	20.72								
10	QPSK	75	0	20.76	20.82	20.79								
10	QPSK	25	12	20.68	20.78	20.79	22	0						
10	QPSK	25	25	20.76	20.81	20.74								
10	16QAM	1	0	20.81	20.83	20.74								
10	16QAM	1	25	20.66	20.75	20.74								
10	16QAM	1	49	20.73	20.76	20.64	22	0						
10	16QAM	25	0	20.58	20.67	20.65								
10	16QAM	25	13	20.64	20.68	20.60								
10	16QAM	50	0	20.58	20.62	20.68								
10	64QAM	1	0	20.72	20.86	20.71	22	0						
10	64QAM	1	25	20.61	20.70	20.64								
10	64QAM	1	49	20.51	20.55	20.58								
10	64QAM	25	0	20.47	20.71	20.57								
10	64QAM	25	12	20.48	20.46	20.43	22	0						
10	64QAM	25	25	20.47	20.46	20.45								
10	64QAM	50	0	20.67	20.79	20.75								
10	256QAM	1	0	17.68	17.67	17.62								
10	256QAM	1	25	17.88	17.95	17.87	19	3						
10	256QAM	1	49	17.65	17.75	17.79								
10	256QAM	25	0	17.63	17.63	17.59								
10	256QAM	25	12	17.67	17.50	17.45								
10	256QAM	25	25	17.36	17.46	17.43	19	3						
10	256QAM	50	0	17.65	17.65	17.78								
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.73	20.82	20.73	22	0						
5	QPSK	1	12	20.85	20.90	20.79								
5	QPSK	1	24	20.80	20.82	20.68								
5	QPSK	12	0	20.75	20.84	20.80								
5	QPSK	12	7	20.76	20.79	20.71	22	0						
5	QPSK	12	13	20.67	20.60	20.79								
5	QPSK	25	0	20.73	20.81	20.67								
5	16QAM	1	0	20.81	20.80	20.76								
5	16QAM	1	12	20.64	20.73	20.75	22	0						
5	16QAM	1	24	20.75	20.73	20.60								
5	16QAM	12	0	20.67	20.70	20.84								
5	16QAM	12	7	20.68	20.67	20.60								
5	16QAM	12	13	20.60	20.62	20.54	22	0						
5	16QAM	25	0	20.76	20.88	20.69								
5	64QAM	1	0	20.70	20.83	20.66								
5	64QAM	1	12	20.65	20.77	20.64								
5	64QAM	1	24	20.62	20.64	20.61	22	0						
5	64QAM	12	0	20.63	20.67	20.60								
5	64QAM	12	7	20.48	20.49	20.49								
5	64QAM	12	13	20.50	20.53	20.39								
5	64QAM	25	0	20.70	20.77	20.70	22	0						
5	256QAM	1	0	17.82	18.00	17.83								
5	256QAM	1	12	17.80	17.80	17.82								
5	256QAM	1	24	17.70	17.75	17.71								
5	256QAM	12	0	17.65	17.49	17.60	19	3						
5	256QAM	12	7	17.64	17.50	17.47								
5	256QAM	12	13	17.39	17.37	17.44								
5	256QAM	25	0	17.44	17.38	17.35								
Channel				181976	182322	182670	Tune-up Int. (mHz)	MPR (dB)						
Frequency (MHz)				17.63	17.64	1779.3								
3	QPSK	1	0	20.91	21.06	20.80	22	0						
3	QPSK	1	12	20.85	20.92	20.78								
3	QPSK	1	24	20.80	20.82	20.68								
3	QPSK	12	0	20.75	20.84	20.80								
3	QPSK	12	7	20.76	20.79	20.71	22	0						
3	QPSK	12	13	20.67	20.60	20.79								
3	QPSK	25	0	20.73	20.81	20.67								
3	16QAM	1	0	20.81	20.80	20.76								
3	16QAM	1	12	20.64	20.73	20.75	22	0						
3	16QAM	1	24	20.75	20.73	20.60								
3	16QAM	12	0	20.67	20.70	20.84								
3	16QAM	12	7	20.68	20.67	20.60								
3	16QAM	12	13	20.60	20.62	20.54	22	0						
3	16QAM	25	0	20.76	20.88	20.69								
3	64QAM	1	0	20.70	20.83	20.66								
3	64QAM	1	12	20.65	20.77	20.64								
3	64QAM	1	24	20.62	20.64	20.61	22	0						
3	64QAM	12	0	20.63	20.67	20.60								
3	64QAM	12	7	20.48	20.49	20.49								
3	64QAM	12	13	20.50	20.53	20.39								
3	64QAM	25	0	20.70	20.77	20.70	22	0						
3	256QAM	1	0	17.82	18.00	17.83								
3	256QAM	1	12	17.80	17.80	17.82								
3	256QAM	1	24	17.70	17.75	17.71								
3	256QAM	12	0	17.65	17.49	17.60	19	3						
3	256QAM	12	7	17.64	17.50	17.47								
3	256QAM	12	13	17.39	17.37	17.44								
3	256QAM	25	0	17.44	17.38	17.35								
Channel				181976	182322	182670	Tune-up Int. (mHz)	MPR (dB)						
Frequency (MHz)				17.63	17.64	1779.3								
1.4	QPSK	1	0	20.93	21.03	20.84	22	0						
1.4	QPSK	1	12	20.87	20.91	20.78								
1.4	QPSK	1	24	20.82	20.86	20.72								
1.4	QPSK	12	0	20.75	20.86	20.84								
1.4	QPSK	12	7	20.76	20.79	20.71	22	0						
1.4	QPSK	12	13	20.67	20.60	20.79								
1.4	QPSK	3	0	20.69	20.82	20.65								
1.4	QPSK	3	7	20.69	20.84	20.78								
1.4	16QAM	1	0	20.87	20.82	20.78	22	0						
1.4	16QAM	1	8	20.63	20.77	20.73								
1.4	16QAM	1	14	20.70	20.68	20.67								
1.4	16QAM	8	4	20.55	20.63	20.58								
1.4	16QAM	8	7	20.55	20.61	20.55	22	0						
1.4	16QAM	14	0	20.58	20.63	20.57								
1.4	16QAM	14	8	20.48	20.56	20.48								
1.4	16QAM	14	7	20.48	20.56	20.48								
1.4	16QAM	14	14	20.43	20.54	20.43	22	0						
1.4	16QAM	14	17	20.43	20.54	20.43								
1.4	16QAM	14	21	20.37	20.48	20.37								
1.4	16QAM	14	28	20.37	20.48	20.37								
1.4	16QAM	14	35	20.37	20.48	20.37	20.5	1.5						
1.4	16QAM	14	42	20.37	20.48	20.37								
1.4	16QAM	14	49	20.37	20.48	20.37								
1.4	16QAM	14	56	20.37	20.48	20.37								
1.4	16QAM	14	63	20.37	20.48	20.37	20.5	1.5						
1.4	16QAM	14	70	20.37	20.48	20.37								
1.4	16QAM	14	77	20.37	20.48	20.37								
1.4	16QAM	14	84	20.37	20.48	20.37								
1.4	16QAM</													

Band 38 Default Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				37850	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	22.41	22.53	22.49	23	0			
20	QPSK	1	49	22.32	22.35	22.39					
20	QPSK	1	99	22.25	22.29	22.29					
20	QPSK	50	0	22.29	22.48	22.39					
20	QPSK	50	24	22.24	22.36	22.32	23	0			
20	QPSK	50	50	22.24	22.28	22.28					
20	QPSK	100	0	22.26	22.45	22.33					
20	16QAM	1	0	22.35	22.51	22.39					
20	16QAM	1	49	22.31	22.35	22.28	23	0			
20	16QAM	1	99	22.27	22.30	22.24					
20	16QAM	50	0	21.97	22.14	21.95					
20	16QAM	50	24	21.91	21.95	21.93					
20	16QAM	50	50	21.88	21.92	21.89	23	0			
20	16QAM	100	0	21.95	22.09	21.99					
20	64QAM	1	0	22.29	22.47	22.39					
20	64QAM	1	49	22.28	22.36	22.28					
20	64QAM	1	99	22.16	22.24	22.22	23	0			
20	64QAM	50	0	21.93	22.11	22.00					
20	64QAM	50	24	21.89	22.03	21.90					
20	64QAM	50	50	21.80	21.94	21.85					
20	64QAM	100	0	21.91	22.05	21.96	22.5	0.5			
20	256QAM	1	0	18.83	19.00	18.85					
20	256QAM	1	49	18.79	19.00	18.76					
20	256QAM	1	99	18.76	18.77	18.78					
20	256QAM	50	0	18.95	19.16	18.97	20.5	2.5			
20	256QAM	50	24	18.97	19.06	18.96					
20	256QAM	50	50	18.89	18.95	18.94					
20	256QAM	100	0	19.00	19.15	18.96					
Channel				37925	38000	38175	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2577.5	2595	2612.5					
15	QPSK	1	0	22.26	22.49	22.41	23	0			
15	QPSK	1	37	22.19	22.23	22.30					
15	QPSK	1	74	22.12	22.20	22.21					
15	QPSK	36	0	22.23	22.33	22.34					
15	QPSK	36	20	22.14	22.22	22.19	23	0			
15	QPSK	36	39	22.11	22.16	22.24					
15	QPSK	75	0	22.18	22.39	22.23					
15	16QAM	1	0	22.26	22.39	22.27					
15	16QAM	1	37	22.21	22.24	22.20	23	0			
15	16QAM	1	74	22.15	22.25	22.15					
15	16QAM	36	0	21.94	22.08	21.82					
15	16QAM	36	20	21.82	21.84	21.86					
15	16QAM	36	39	21.78	21.84	21.86	23	0			
15	16QAM	75	0	21.81	22.06	21.94					
15	64QAM	1	0	22.15	22.37	22.36					
15	64QAM	1	37	22.17	22.26	22.23					
15	64QAM	1	74	22.06	22.11	22.15	23	0			
15	64QAM	36	0	21.85	21.96	21.87					
15	64QAM	36	20	21.83	21.92	21.78					
15	64QAM	36	39	21.68	21.82	21.81					
15	64QAM	75	0	21.82	21.91	21.86	22.5	0.5			
15	256QAM	1	0	18.77	18.90	18.81					
15	256QAM	1	37	18.70	18.91	18.72					
15	256QAM	1	74	18.67	18.74	18.74					
15	256QAM	36	0	18.86	19.11	18.92	20.5	2.5			
15	256QAM	36	20	18.93	18.94	18.86					
15	256QAM	36	39	18.85	18.88	18.84					
15	256QAM	75	0	18.89	19.10	18.89					
Channel				37800	38000	38200	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	22.29	22.47	22.41	23	0			
10	QPSK	1	25	22.23	22.30	22.27					
10	QPSK	1	49	22.19	22.21	22.25					
10	QPSK	25	0	22.23	22.36	22.27					
10	QPSK	25	12	22.21	22.29	22.25	23	0			
10	QPSK	25	25	22.14	22.20	22.22					
10	QPSK	50	0	22.14	22.37	22.26					
10	16QAM	1	0	22.25	22.38	22.31					
10	16QAM	1	25	22.27	22.23	22.18	23	0			
10	16QAM	1	49	22.15	22.16	22.12					
10	16QAM	25	0	21.85	22.03	21.80					
10	16QAM	25	12	21.87	21.91	21.86					
10	16QAM	25	25	21.78	21.85	21.77	23	0			
10	16QAM	50	0	21.87	22.00	21.86					
10	64QAM	1	0	22.18	22.33	22.27					
10	64QAM	1	25	22.21	22.31	22.23					
10	64QAM	1	49	22.03	22.10	22.12	23	0			
10	64QAM	25	0	21.78	22.07	21.87					
10	64QAM	25	12	21.76	21.97	21.76					
10	64QAM	25	25	21.77	21.87	21.71					
10	64QAM	50	0	21.77	21.95	21.81	22.5	0.5			
10	256QAM	1	0	18.76	18.92	18.70					
10	256QAM	1	25	18.64	18.91	18.72					
10	256QAM	1	49	18.62	18.73	18.68					
10	256QAM	25	0	18.83	19.11	18.88	20.5	2.5			
10	256QAM	25	12	18.90	19.03	18.92					
10	256QAM	25	25	18.77	18.84	18.87					
10	256QAM	50	0	18.91	19.04	18.86					
Channel				37775	38000	38225	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	22.26	22.40	22.42	23	0			
5	QPSK	1	12	22.27	22.21	22.34					
5	QPSK	1	24	22.17	22.17	22.21					
5	QPSK	12	0	22.16	22.34	22.28					
5	QPSK	12	7	22.12	22.26	22.22	23	0			
5	QPSK	12	13	22.21	22.21	22.17					
5	QPSK	25	0	22.21	22.31	22.23					
5	16QAM	1	0	22.31	22.41	22.34					
5	16QAM	1	12	22.21	22.24	22.13	23	0			
5	16QAM	1	24	22.13	22.17	22.18					
5	16QAM	12	0	21.89	22.08	21.90					
5	16QAM	12	7	21.81	21.89	21.88					
5	16QAM	12	13	21.80	21.86	21.85	23	0			
5	16QAM	25	0	21.85	22.04	21.95					
5	64QAM	1	0	22.20	22.35	22.24					
5	64QAM	1	12	22.14	22.25	22.20					
5	64QAM	1	24	22.04	22.14	22.08	23	0			
5	64QAM	12	0	21.86	22.08	21.86					
5	64QAM	12	7	21.78	21.88	21.82					
5	64QAM	12	13	21.76	21.79	21.73					
5	64QAM	25	0	21.78	21.96	21.92	22.5	0.5			
5	256QAM	1	0	18.73	18.88	18.71					
5	256QAM	1	12	18.72	18.87	18.66					
5	256QAM	1	24	18.64	18.73	18.70					
5	256QAM	12	0	18.87	19.09	18.90	20.5	2.5			
5	256QAM	12	7	18.82	19.01	18.84					
5	256QAM	12	13	18.85	18.88	18.90					
5	256QAM	25	0	18.95	19.08	18.91					

Band 41 FCC&IC Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.67	23.70	23.75	23.54	23.60	24	0
20	QPSK	1	49	23.55	23.62	23.65	23.51	23.52		
20	QPSK	1	99	23.48	23.56	23.59	23.50	23.46		
20	QPSK	50	0	22.58	22.56	22.72	22.60	22.66		
20	QPSK	50	24	22.50	22.51	22.64	22.54	22.47	23	1
20	QPSK	50	50	22.50	22.42	22.54	22.50	22.47		
20	QPSK	100	0	22.80	22.58	22.69	22.55	22.59		
20	16QAM	1	0	22.80	22.67	22.88	22.75	22.77		
20	16QAM	1	49	22.68	22.62	22.70	22.68	22.72	23	1
20	16QAM	1	99	22.67	22.58	22.72	22.62	22.64		
20	16QAM	50	0	21.67	21.69	21.80	21.63	21.77		
20	16QAM	50	24	21.64	21.59	21.63	21.62	21.59		
20	16QAM	50	50	21.45	21.55	21.65	21.50	21.45	22	2
20	16QAM	100	0	21.69	21.68	21.90	21.74	21.77		
20	64QAM	1	0	21.79	21.78	21.71	21.76	21.80		
20	64QAM	1	49	21.72	21.74	21.69	21.64	21.67		
20	64QAM	1	99	21.50	21.66	21.64	21.67	21.47	22	2
20	64QAM	50	0	20.66	20.66	20.74	20.63	20.70		
20	64QAM	50	24	20.46	20.58	20.66	20.61	20.41		
20	64QAM	50	50	20.50	20.48	20.65	20.54	20.59		
20	64QAM	100	0	20.88	20.67	20.70	20.75	20.59	21	3
20	256QAM	1	0	18.62	18.49	18.70	18.50	18.65		
20	256QAM	1	49	18.64	18.47	18.70	18.55	18.56		
20	256QAM	1	99	18.43	18.43	18.53	18.51	18.38		
20	256QAM	50	0	18.76	18.67	18.83	18.70	18.74	19	5
20	256QAM	50	24	18.61	18.59	18.64	18.62	18.62		
20	256QAM	50	50	18.51	18.53	18.61	18.63	18.59		
20	256QAM	100	0	18.77	18.75	18.88	18.71	18.73		
Channel				39725	40173	40620	41088	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.47	23.50	23.55	23.34	23.40	24.00	0
15	QPSK	1	37	23.35	23.42	23.45	23.31	23.32		
15	QPSK	1	74	23.28	23.36	23.39	23.30	23.26		
15	QPSK	36	0	22.38	22.36	22.52	22.40	22.46		
15	QPSK	36	20	22.30	22.31	22.44	22.34	22.27	23	1
15	QPSK	36	39	22.30	22.22	22.34	22.30	22.27		
15	QPSK	75	0	22.40	22.38	22.49	22.35	22.39		
15	16QAM	1	0	22.60	22.47	22.68	22.55	22.57		
15	16QAM	1	37	22.48	22.42	22.50	22.48	22.52	23	1
15	16QAM	1	74	22.47	22.38	22.52	22.42	22.44		
15	16QAM	36	0	21.47	21.49	21.60	21.43	21.57		
15	16QAM	36	29	21.44	21.39	21.43	21.42	21.39		
15	16QAM	36	39	21.25	21.35	21.45	21.30	21.25	22	2
15	16QAM	75	0	21.49	21.48	21.70	21.54	21.57		
15	64QAM	1	0	21.59	21.58	21.51	21.56	21.60		
15	64QAM	1	37	21.52	21.54	21.49	21.44	21.47		
15	64QAM	1	74	21.30	21.46	21.44	21.47	21.27	22	2
15	64QAM	36	0	20.46	20.46	20.54	20.43	20.50		
15	64QAM	36	20	20.26	20.38	20.46	20.41	20.21		
15	64QAM	36	39	20.30	20.28	20.45	20.34	20.39		
15	64QAM	75	0	20.48	20.47	20.50	20.55	20.39	21	3
15	256QAM	1	0	18.42	18.29	18.50	18.30	18.45		
15	256QAM	1	37	18.44	18.27	18.50	18.35	18.36		
15	256QAM	1	74	18.23	18.23	18.33	18.31	18.18		
15	256QAM	36	0	18.56	18.47	18.63	18.50	18.54	19	5
15	256QAM	36	20	18.41	18.39	18.44	18.42	18.42		
15	256QAM	36	39	18.31	18.33	18.41	18.43	18.39		
15	256QAM	75	0	18.57	18.55	18.68	18.51	18.53		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.58	23.66	23.66	23.46	23.55	24.00	0
10	QPSK	1	25	23.43	23.54	23.57	23.36	23.42		
10	QPSK	1	49	23.41	23.45	23.49	23.41	23.37		
10	QPSK	25	0	22.53	22.53	22.62	22.46	22.57		
10	QPSK	25	12	22.46	22.46	22.58	22.46	22.44	23	1
10	QPSK	25	25	22.39	22.27	22.40	22.44	22.40		
10	QPSK	50	0	22.46	22.44	22.65	22.46	22.52		
10	16QAM	1	0	22.69	22.53	22.78	22.61	22.64		
10	16QAM	1	25	22.59	22.56	22.61	22.59	22.64	23	1
10	16QAM	1	49	22.63	22.54	22.65	22.48	22.57		
10	16QAM	25	0	21.59	21.59	21.72	21.49	21.67		
10	16QAM	25	12	21.57	21.56	21.55	21.49	21.55		
10	16QAM	25	25	21.39	21.47	21.58	21.42	21.35	22	2
10	16QAM	50	0	21.65	21.54	21.76	21.66	21.70		
10	64QAM	1	0	21.75	21.60	21.70	21.73	21.81		
10	64QAM	1	25	21.68	21.69	21.59	21.46	21.69		
10	64QAM	1	49	21.52	21.49	21.62	21.57	21.47	22	2
10	64QAM	25	0	20.56	20.55	20.76	20.55	20.59		
10	64QAM	25	12	20.42	20.56	20.52	20.46	20.30		
10	64QAM	25	25	20.39	20.42	20.63	20.45	20.46		
10	64QAM	50	0	20.69	20.52	20.67	20.57	20.47	21	3
10	256QAM	1	0	18.58	18.35	18.66	18.36	18.60		
10	256QAM	1	25	18.56	18.40	18.64	18.49	18.53		
10	256QAM	1	49	18.35	18.29	18.50	18.46	18.30		
10	256QAM	25	0	18.62	18.52	18.78	18.59	18.60	19	5
10	256QAM	25	12	18.49	18.48	18.60	18.59	18.55		
10	256QAM	25	25	18.40	18.40	18.51	18.51	18.49		
10	256QAM	50	0	18.67	18.65	18.81	18.64	18.60		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.58	23.56	23.61	23.43	23.56	24.00	0
5	QPSK	1	12	23.50	23.51	23.51	23.45	23.47		
5	QPSK	1	24	23.42	23.48	23.48	23.35	23.39		
5	QPSK	12	0	22.47	22.41	22.68	22.56	22.62		
5	QPSK	12	7	22.38	22.48	22.60	22.41	22.34	23	1
5	QPSK	12	13	22.37	22.29	22.43	22.37	22.35		
5	QPSK	25	0	22.54	22.52	22.62	22.47	22.52		
5	16QAM	1	0	22.66	22.57	22.84	22.62	22.63		
5	16QAM	1	12	22.55	22.57	22.63	22.55	22.65	23	1
5	16QAM	1	24	22.57	22.52	22.62	22.56	22.58		
5	16QAM	12	0	21.61	21.58	21.65	21.51	21.65		
5	16QAM	12	7	21.60	21.49	21.57	21.52	21.54		
5	16QAM	12	13	21.35	21.43	21.52	21.42	21.39	22	2
5	16QAM	25	0	21.55	21.54	21.75	21.60	21.67		
5	64QAM	1	0	21.75	21.63	21.75	21.61	21.77		
5	64QAM	1	12	21.62	21.59	21.63	21.61	21.61		
5	64QAM	1	24	21.44	21.57	21.64	21.57	21.49	22	2
5	64QAM	12	0	20.66	20.50	20.73	20.44	20.57		
5	64QAM	12	7	20.42	20.42	20.56	20.45	20.39		
5	64QAM	12	13	20.35	20.49	20.55	20.39	20.49		
5	64QAM	25	0	20.68	20.62	20.55	20.67	20.51	21	3
5	256QAM	1	0	18.55	18.40	18.59	18.37	18.50		
5	256QAM	1	12	18.50	18.36	18.59	18.43	18.45		
5	256QAM	1	24	18.36	18.37	18.48	18.47	18.29		
5	256QAM	12	0	18.64	18.53	18.68	18.57	18.66	19	5
5	256QAM	12	7	18.50	18.45	18.61	18.51	18.58		
5	256QAM	12	13	18.37	18.49	18.53	18.52	18.44		
5	256QAM	25	0	18.67	18.67	18.81	18.62	18.63		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.50	25.47	25.64	25.41	25.55	27	0
20	QPSK	1	49	25.33	25.40	25.58	25.35	25.53		
20	QPSK	1	99	25.29	25.33	25.51	25.31	25.41		
20	QPSK	50	0	25.33	25.30	25.49	25.29	25.37		
20	QPSK	50	24	25.27	25.29	25.46	25.27	25.33	27	0
20	QPSK	50	50	25.18	25.22	25.40	25.18	25.26		
20	QPSK	100	0	25.19	25.19	25.38	25.22	25.28		
20	16QAM	1	0	25.18	25.28	25.42	25.23	25.34		
20	16QAM	1	49	25.20	25.14	25.39	25.16	25.28	27	0
20	16QAM	1	99	25.16	25.13	25.35	25.12	25.27		
20	16QAM	50	0	24.29	24.40	24.53	24.34	24.44		
20	16QAM	50	24	24.32	24.26	24.50	24.27	24.42		
20	16QAM	50	50	24.21	24.24	24.46	24.22	24.39	26	1
20	16QAM	100	0	24.25	24.23	24.42	24.19	24.28		
20	64QAM	1	0	24.57	24.66	24.80	24.57	24.75		
20	64QAM	1	49	24.55	24.52	24.74	24.54	24.66		
20	64QAM	1	99	24.52	24.55	24.70	24.50	24.65	26	1
20	64QAM	50	0	23.37	23.35	23.56	23.39	23.46		
20	64QAM	50	24	23.33	23.33	23.53	23.31	23.45		
20	64QAM	50	50	23.35	23.25	23.49	23.33	23.44		
20	64QAM	100	0	23.23	23.29	23.44	23.31	23.33	25	2
20	256QAM	1	0	21.51	21.49	21.68	21.44	21.58		
20	256QAM	1	49	21.43	21.41	21.61	21.42	21.52		
20	256QAM	1	99	21.30	21.36	21.55	21.41	21.51		
20	256QAM	50	0	21.37	21.38	21.52	21.34	21.45	23	4
20	256QAM	50	24	21.27	21.23	21.48	21.24	21.39		
20	256QAM	50	50	21.23	21.26	21.41	21.20	21.35		
20	256QAM	100	0	21.10	21.12	21.34	21.15	21.24		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	25.47	25.39	25.51	25.38	25.50		
15	QPSK	1	37	25.29	25.33	25.46	25.29	25.46	27.00	0
15	QPSK	1	74	25.15	25.26	25.38	25.24	25.30		
15	QPSK	36	0	25.25	25.24	25.46	25.24	25.26		
15	QPSK	36	20	25.13	25.15	25.43	25.21	25.21		
15	QPSK	36	39	25.04	25.11	25.30	25.08	25.12	27	0
15	QPSK	75	0	25.04	25.06	25.28	25.17	25.24		
15	16QAM	1	0	25.05	25.14	25.32	25.16	25.28		
15	16QAM	1	37	25.05	25.11	25.27	25.03	25.20		
15	16QAM	1	74	25.10	25.00	25.28	25.07	25.21	27	0
15	16QAM	36	0	24.17	24.33	24.39	24.24	24.35		
15	16QAM	36	20	24.25	24.18	24.44	24.15	24.31		
15	16QAM	36	39	24.11	24.09	24.37	24.10	24.26		
15	16QAM	75	0	24.20	24.08	24.29	24.05	24.17	26	1
15	64QAM	1	0	24.44	24.57	24.72	24.47	24.70		
15	64QAM	1	37	24.49	24.48	24.63	24.46	24.55		
15	64QAM	1	74	24.42	24.42	24.62	24.38	24.61		
15	64QAM	36	0	23.26	23.22	23.47	23.29	23.33	25	2
15	64QAM	36	20	23.23	23.28	23.40	23.19	23.34		
15	64QAM	36	39	23.22	23.16	23.36	23.21	23.39		
15	64QAM	75	0	23.19	23.25	23.32	23.18	23.23		
15	256QAM	1	0	21.44	21.44	21.54	21.33	21.45	23	4
15	256QAM	1	37	21.29	21.29	21.56	21.28	21.46		
15	256QAM	1	74	21.25	21.29	21.52	21.31	21.41		
15	256QAM	36	0	21.28	21.27	21.39	21.26	21.30		
15	256QAM	36	20	21.12	21.14	21.34	21.18	21.27	23	4
15	256QAM	36	39	21.14	21.22	21.37	21.12	21.30		
15	256QAM	75	0	21.06	21.19	21.21	21.00	21.10		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	25.38	25.38	25.57	25.37	25.48		
10	QPSK	1	25	25.25	25.31	25.46	25.25	25.42	27.00	0
10	QPSK	1	49	25.21	25.18	25.38	25.17	25.37		
10	QPSK	25	0	25.22	25.18	25.46	25.22	25.32		
10	QPSK	25	12	25.17	25.21	25.43	25.22	25.26	27	0
10	QPSK	25	25	25.04	25.13	25.35	25.10	25.14		
10	QPSK	50	0	25.15	25.06	25.31	25.14	25.24		
10	16QAM	1	0	25.06	25.20	25.30	25.17	25.24		
10	16QAM	1	25	25.06	25.05	25.33	25.12	25.25	27	0
10	16QAM	1	49	25.09	25.07	25.30	25.17	25.24		
10	16QAM	25	0	24.21	24.28	24.44	24.25	24.39		
10	16QAM	25	12	24.23	24.19	24.46	24.18	24.29		
10	16QAM	25	25	24.13	24.11	24.43	24.17	24.35	26	1
10	16QAM	50	0	24.17	24.12	24.31	24.16	24.22		
10	64QAM	1	0	24.44	24.56	24.74	24.49	24.63		
10	64QAM	1	25	24.43	24.46	24.60	24.49	24.61		
10	64QAM	1	49	24.38	24.51	24.59	24.41	24.56	26	1
10	64QAM	25	0	23.23	23.26	23.51	23.31	23.36		
10	64QAM	25	12	23.29	23.27	23.41	23.17	23.32		
10	64QAM	25	25	23.25	23.12	23.45	23.19	23.38		
10	64QAM	50	0	23.14	23.16	23.35	23.25	23.25	25	2
10	256QAM	1	0	21.45	21.46	21.56	21.35	21.48		
10	256QAM	1	25	21.29	21.34	21.51	21.37	21.46		
10	256QAM	1	49	21.26	21.25	21.47	21.33	21.42		
10	256QAM	25	0	21.33	21.29	21.44	21.25	21.41	23	4
10	256QAM	25	12	21.21	21.11	21.32	21.16	21.33		
10	256QAM	25	25	21.11	21.14	21.27	21.11	21.29		
10	256QAM	50	0	21.04	21.04	21.24	21.09	21.18		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	25.37	25.39	25.54	25.38	25.47		
5	QPSK	1	12	25.22	25.27	25.44	25.26	25.43	27.00	0
5	QPSK	1	24	25.15	25.21	25.39	25.19	25.29		
5	QPSK	12	0	25.20	25.27	25.38	25.21	25.32		
5	QPSK	12	7	25.17	25.25	25.32	25.23	25.22	27	0
5	QPSK	12	13	25.09	25.17	25.28	25.07	25.23		
5	QPSK	25	0	25.10	25.04	25.35	25.12	25.17		
5	16QAM	1	0	25.09	25.19	25.32	25.18	25.23		
5	16QAM	1	12	25.15	25.00	25.27	25.05	25.22	27	0
5	16QAM	1	24	25.07	25.02	25.25	25.04	25.16		
5	16QAM	12	0	24.22	24.35	24.43	24.28	24.41		
5	16QAM	12	7	24.24	24.18	24.44	24.12	24.36		
5	16QAM	12	13	24.11	24.13	24.32	24.16	24.35	26	1
5	16QAM	25	0	24.18	24.16	24.30	24.05	24.18		
5	64QAM	1	0	24.50	24.63	24.72	24.45	24.72		
5	64QAM	1	12	24.46	24.43	24.68	24.39	24.60		
5	64QAM	1	24	24.45	24.41	24.58	24.42	24.53	26	1
5	64QAM	12	0	23.24	23.31	23.46	23.31	23.31		
5	64QAM	12	7	23.20	23.29	23.44	23.24	23.42		
5	64QAM	12	13	23.31	23.11	23.45	23.25	23.37		
5	64QAM	25	0	23.11	23.21	23.33	23.19	23.29	25	2
5	256QAM	1	0	21.38	21.34	21.57	21.39	21.48		
5	256QAM	1	12	21.33	21.36	21.50	21.28	21.49		
5	256QAM	1	24	21.23	21.29	21.49	21.37	21.39		

GSM1900 Ant2		Default							
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		28.25	28.33	28.19	29.00	19.25	19.33	19.19	20.00
GPRS 1 Tx slot		28.23	28.28	28.13	29.00	19.23	19.28	19.13	20.00
GPRS 2 Tx slots		25.46	25.53	25.40	26.50	19.46	19.53	19.40	20.50
GPRS 3 Tx slots		23.98	24.13	24.00	25.00	19.72	19.87	19.74	20.74
GPRS 4 Tx slots		21.95	22.09	21.96	23.00	18.95	19.09	18.96	20.00
EDGE 1 Tx slot		23.59	23.64	23.61	24.50	14.59	14.64	14.61	15.50
EDGE 2 Tx slots		21.96	22.03	21.92	23.00	15.96	16.03	15.92	17.00
EDGE 3 Tx slots		20.78	20.85	20.70	21.50	16.52	16.59	16.44	17.24
EDGE 4 Tx slots		18.71	18.74	18.68	19.50	15.71	15.74	15.68	16.50

Band		WCDMA II Ant2			Tune-up Limit (dBm)	WCDMA IV Ant2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.03	18.19	18.10	19.20	20.87	20.89	20.83	21.70
3GPP Rel 99	RMC 12.2Kbps	18.23	18.25	18.17	19.20	20.89	20.96	20.91	21.70
3GPP Rel 6	HSDPA Subtest-1	17.23	17.22	16.99	18.20	19.95	20.04	19.99	20.70
3GPP Rel 6	HSDPA Subtest-2	17.14	17.25	17.15	18.20	19.89	20.07	19.80	20.70
3GPP Rel 6	HSDPA Subtest-3	16.58	16.72	16.59	17.70	19.35	19.45	19.40	20.20
3GPP Rel 6	HSDPA Subtest-4	16.58	16.78	16.67	17.70	19.43	19.47	19.40	20.20
3GPP Rel 8	DC-HSDPA Subtest-1	17.14	17.29	17.13	18.20	19.85	19.97	19.80	20.70
3GPP Rel 8	DC-HSDPA Subtest-2	16.84	17.05	16.84	18.20	19.74	19.83	19.72	20.70
3GPP Rel 8	DC-HSDPA Subtest-3	16.38	16.49	16.54	17.70	19.26	19.30	19.23	20.20
3GPP Rel 8	DC-HSDPA Subtest-4	16.48	16.53	16.44	17.70	19.16	19.33	19.24	20.20
3GPP Rel 6	HSUPA Subtest-1	17.17	17.23	17.28	18.20	19.86	20.08	19.97	20.70
3GPP Rel 6	HSUPA Subtest-2	15.15	15.13	15.00	16.20	17.85	17.89	17.82	18.70
3GPP Rel 6	HSUPA Subtest-3	16.18	16.13	16.17	17.20	18.95	18.87	18.86	19.70
3GPP Rel 6	HSUPA Subtest-4	15.16	15.09	15.05	16.20	17.75	17.86	17.69	18.70
3GPP Rel 6	HSUPA Subtest-5	17.09	17.28	17.08	18.20	19.81	19.99	19.89	20.70



Band 2 DSI2_Simultaneous Ant 2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch./Fires	Power Ch./Fires	Power Ch./Fires	Turn-up time (sec)	MPR (dB)				
Channel												
Frequency [MHz]												
20	QPSK	1	0	18.25	18.32	18.29	20	0				
20	QPSK	1	49	18.17	18.26	18.21						
20	QPSK	1	99	18.19	18.28	18.25						
20	QPSK	50	0	18.13	18.24	18.20						
20	QPSK	50	24	18.12	18.17	18.20						
20	QPSK	50	50	18.08	18.14	18.20						
20	QPSK	100	0	18.14	18.17	18.16						
20	16QAM	1	0	18.15	18.28	18.20						
20	16QAM	1	49	18.14	18.19	18.21						
20	16QAM	5	0	18.13	18.17	18.17						
20	16QAM	5	24	18.13	18.20	18.13						
20	16QAM	50	24	18.06	18.20	18.18						
20	16QAM	50	50	18.08	18.20	18.18						
20	16QAM	100	0	18.12	18.19	18.20						
20	64QAM	1	0	18.04	18.17	18.09						
20	64QAM	1	49	18.05	18.15	18.09						
20	64QAM	50	0	18.05	18.16	18.16						
20	64QAM	50	24	18.03	18.13	18.09						
20	64QAM	50	50	18.05	18.14	18.09						
20	64QAM	100	0	18.12	18.12	18.03						
20	256QAM	1	0	18.07	18.24	18.07						
20	256QAM	1	49	18.05	18.20	17.99						
20	256QAM	1	99	18.02	18.08	18.02						
20	256QAM	50	0	18.01	18.14	18.01						
20	256QAM	50	24	17.86	17.98	17.86						
20	256QAM	50	50	17.87	17.86	17.88						
20	256QAM	100	0	17.82	17.80	17.82						
Channel												
Frequency [MHz]												
15	QPSK	1	0	18.22	18.30	18.22				20	0	
15	QPSK	1	24	18.14	18.23	18.21						
15	QPSK	1	74	18.17	18.18	18.23						
15	QPSK	36	0	18.04	18.23	18.17						
15	QPSK	36	39	18.05	18.18	18.18						
15	QPSK	36	39	18.03	18.17	18.13						
15	QPSK	75	0	18.11	18.15	18.15						
15	16QAM	1	0	18.08	18.21	18.12						
15	16QAM	1	37	18.05	18.12	18.17						
15	16QAM	1	74	18.08	18.13	18.13						
15	16QAM	36	39	18.06	18.21	18.13						
15	16QAM	36	20	18.03	18.11	18.16						
15	16QAM	75	0	18.04	18.14	18.12						
15	64QAM	1	0	18.05	18.15	18.16						
15	64QAM	1	37	17.77	17.82	17.80						
15	64QAM	1	74	17.86	17.89	17.87						
15	64QAM	36	39	17.81	17.87	17.82						
15	64QAM	36	39	17.83	17.82	17.83						
15	64QAM	75	0	17.77	17.82	17.80						
Channel												
Frequency [MHz]												
10	QPSK	1	0	18.23	18.30	18.23	20	0				
10	QPSK	1	25	18.10	18.28	18.20						
10	QPSK	1	49	18.14	18.23	18.22						
10	QPSK	25	12	18.06	18.11	18.15						
10	QPSK	25	25	18.07	18.17	18.11						
10	16QAM	1	0	18.12	18.22	18.09						
10	16QAM	1	25	18.12	18.12	18.17						
10	16QAM	25	12	18.08	18.19	18.12						
10	16QAM	25	25	18.04	18.11	18.17						
10	16QAM	50	0	18.03	18.09	18.01						
10	16QAM	50	0	18.07	18.10	18.12						
10	16QAM	50	0	18.08	18.18	18.17						
10	64QAM	1	0	18.01	18.13	18.05						
10	64QAM	1	49	18.02	18.24	18.09						
10	64QAM	25	0	18.07	18.12	18.03						
10	64QAM	25	12	18.00	18.19	18.05						
10	64QAM	25	25	18.03	18.08	18.03						
10	64QAM	50	0	18.03	18.09	18.01						
10	256QAM	1	25	17.99	18.11	17.87						
10	256QAM	1	49	17.84	18.01	17.91						
10	256QAM	25	12	17.78	17.85	17.81						
10	256QAM	25	12	17.77	17.86	17.81						
10	256QAM	25	25	17.81	17.82	17.80						
10	256QAM	50	0	17.72	17.82	17.76						
Channel												
Frequency [MHz]												
5	QPSK	1	0	18.23	18.30	18.23	20	0				
5	QPSK	1	12	18.14	18.23	18.20						
5	QPSK	1	24	18.17	18.23	18.16						
5	QPSK	5	0	18.05	18.16	18.10						
5	QPSK	12	7	18.09	18.13	18.13						
5	QPSK	12	13	18.06	18.14	18.14						
5	16QAM	1	0	18.09	18.14	18.12						
5	16QAM	1	0	18.08	18.20	18.08						
5	16QAM	1	12	18.08	18.13	18.15						
5	16QAM	1	24	18.06	18.13	18.13						
5	16QAM	12	0	18.11	18.19	18.13						
5	16QAM	12	7	18.00	18.09	18.15						
5	16QAM	25	0	18.02	18.12	18.09						
5	64QAM	1	0	18.10	18.12	18.16						
5	64QAM	1	0	18.04	18.19	18.06						
5	64QAM	1	24	18.07	18.22	18.07						
5	64QAM	12	0	18.02	18.00	18.03						
5	64QAM	12	7	18.01	18.19	18.07						
5	64QAM	12	13	18.02	18.10	18.00						
5	64QAM	25	0	18.11	18.05	18.09						
5	64QAM	1	0	18.00	18.19	17.94						
5	64QAM	1	12	18.01	18.16	17.92						
5	64QAM	1	24	17.89	17.86	17.91						
5	64QAM	12	0	18.02	18.00	17.88						
5	64QAM	12	7	17.82	17.80	17.79						
5	64QAM	12	13	17.75	17.80	17.79						
5	64QAM	25	0	17.71	17.82	17.75						
Channel												
Frequency [MHz]												
3	QPSK	1	0	18.17	18.20	18.28	20	0				
3	QPSK	1	8	18.08	18.20	18.14						
3	QPSK	1	14	18.16	18.25	18.18						
3	QPSK	8	0	18.07	18.16	18.14						
3	QPSK	8	4	18.06	18.14	18.12						
3	QPSK	8	7	18.06	18.14	18.09						
3	16QAM	1	0	18.11	18.13	18.08						
3	16QAM	1	0	18.06	18.24	18.09						
3	16QAM	1	8	18.08	18.15	18.20						
3	16QAM	1	14	18.07	18.11	18.12						
3	16QAM	8	0	18.07	18.22	18.13						
3	16QAM	8	4	18.03	18.14	18.12						
3	16QAM	8	7	18.01	18.17	18.16						
3	16QAM	16	0	18.10	18.08	18.15						
3	16QAM	1	0	18.10	18.16	18.16						
3	64QAM	1	0	18.14	18.08	18.03						
3	64QAM	1	14	18.07	18.22	18.09						
3	64QAM	8	0	18.02	18.13	18.05						
3	64QAM	8	4	18.14	18.11	18.07						
3	64QAM	8	7	18.14	18.10	18.03						
3	256QAM	1	0	18.00	18.12	17.99						
3	256QAM	1	8	18.00	18.13	17.95						
3	256QAM	8	0	17.92	18.07	17.88						
3	256QAM	8	4	17.78	17.82	17.76						
3	256QAM	8	7	17.82	17.80	17.80						

Band 12 Default Ant 2														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.51	22.59	22.50	24	0						
10	QPSK	1	25	22.40	22.42	22.31								
10	QPSK	1	49	22.26	22.48	22.18								
10	QPSK	25	0	22.40	22.62	22.40								
10	QPSK	25	12	22.30	22.45	22.27								
10	QPSK	25	25	22.29	22.52	22.24	24	0						
10	QPSK	50	0	22.34	22.41	22.37								
10	16QAM	1	0	22.41	22.51	22.53								
10	16QAM	1	25	22.39	22.52	22.38								
10	16QAM	1	49	22.18	22.40	22.39								
10	16QAM	25	0	22.41	22.52	22.54	24	0						
10	16QAM	25	12	22.29	22.41	22.35								
10	16QAM	25	25	22.27	22.36	22.30								
10	16QAM	50	0	22.40	22.51	22.38								
10	16QAM	50	1	0	22.40	22.44	22.34							
10	64QAM	1	25	22.39	22.41	22.32	24	0						
10	64QAM	1	49	22.14	22.21	22.29								
10	64QAM	25	0	21.24	21.36	21.17								
10	64QAM	25	12	21.13	21.21	21.08								
10	64QAM	25	25	21.09	21.16	21.04								
10	64QAM	50	0	21.25	21.30	21.19	22.5	1.5						
10	256QAM	1	25	19.35	19.59	19.51								
10	256QAM	1	49	19.34	19.38	19.43								
10	256QAM	25	0	19.34	19.45	19.44								
10	256QAM	25	12	19.34	19.28	19.32								
10	256QAM	25	25	19.12	19.28	19.19	21	3						
10	256QAM	50	0	19.26	19.33	19.17								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.43	22.48	22.39	24	0						
5	QPSK	1	12	22.33	22.38	22.29								
5	QPSK	1	24	22.14	22.40	22.04								
5	QPSK	12	0	22.29	22.50	22.37								
5	QPSK	12	7	22.25	22.31	22.15								
5	QPSK	12	13	22.24	22.28	22.17	24	0						
5	QPSK	25	0	22.22	22.27	22.12								
5	16QAM	1	0	22.35	22.48	22.38								
5	16QAM	1	12	22.25	22.45	22.27								
5	16QAM	1	24	22.08	22.39	22.19								
5	16QAM	12	0	22.47	22.43	22.51	24	0						
5	16QAM	12	7	22.18	22.28	22.25								
5	16QAM	25	0	22.37	22.43	22.23								
5	64QAM	1	0	22.25	22.39	22.28								
5	64QAM	1	12	22.09	22.30	22.28								
5	64QAM	1	24	22.05	22.32	22.21	22.5	1.5						
5	64QAM	12	0	21.17	21.31	21.05								
5	64QAM	12	7	21.02	21.02	20.89								
5	64QAM	25	0	21.13	21.16	21.16								
5	256QAM	1	12	19.20	19.40	19.48								
5	256QAM	1	12	19.20	19.40	19.48	21	3						
5	256QAM	1	24	19.25	19.29	19.33								
5	256QAM	12	0	19.11	19.35	19.35								
5	256QAM	12	7	19.20	19.15	19.26								
5	256QAM	12	13	19.02	19.20	19.12								
5	256QAM	25	0	19.12	19.22	19.10	21	3						
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.43	22.48	22.39	24	0						
3	QPSK	1	8	22.33	22.37	22.25								
3	QPSK	1	14	22.11	22.43	22.08								
3	QPSK	8	0	22.32	22.48	22.28								
3	QPSK	8	4	22.19	22.34	22.21								
3	QPSK	8	7	22.21	22.18	22.11	24	0						
3	16QAM	1	0	22.26	22.39	22.48								
3	16QAM	1	8	22.31	22.38	22.32								
3	16QAM	8	0	22.37	22.41	22.40								
3	16QAM	8	4	22.18	22.33	22.29								
3	16QAM	8	7	22.13	22.29	22.18	22.5	1.5						
3	64QAM	1	0	22.36	22.39	22.25								
3	64QAM	1	0	22.27	22.31	22.21								
3	64QAM	1	8	22.34	22.38	22.28								
3	64QAM	1	14	22.08	22.38	22.20								
3	64QAM	8	0	21.12	21.27	21.02	24	0						
3	64QAM	8	4	21.04	21.12	20.95								
3	64QAM	8	7	20.98	21.00	20.90								
3	64QAM	15	0	21.19	21.24	21.15								
3	256QAM	1	0	19.29	19.45	19.41								
3	256QAM	1	8	19.27	19.51	19.37	21	3						
3	256QAM	1	14	19.24	19.31	19.35								
3	256QAM	8	0	19.10	19.31	19.36								
3	256QAM	8	4	19.24	19.15	19.17								
3	256QAM	8	7	19.09	19.23	19.09								
3	256QAM	15	0	19.20	19.26	19.12	21	3						
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.41	22.54	22.18	24	0						
1.4	QPSK	1	3	22.35	22.39	22.27								
1.4	QPSK	1	5	22.20	22.42	22.04								
1.4	QPSK	3	0	22.34	22.50	22.38								
1.4	QPSK	3	1	22.20	22.59	22.23								
1.4	QPSK	3	3	22.17	22.59	22.20	24	0						
1.4	QPSK	6	0	22.23	22.34	22.32								
1.4	16QAM	1	0	22.32	22.45	22.40								
1.4	16QAM	1	3	22.28	22.47	22.25								
1.4	16QAM	1	6	22.04	22.37	22.33								
1.4	16QAM	3	0	22.47	22.47	22.46	24	0						
1.4	16QAM	3	1	22.25	22.31	22.25								
1.4	16QAM	3	3	22.17	22.32	22.25								
1.4	16QAM	6	0	22.26	22.43	22.35								
1.4	64QAM	1	0	22.35	22.37	22.29								
1.4	64QAM	1	3	22.25	22.29	22.26	24	0						
1.4	64QAM	1	5	22.01	22.33	22.19								
1.4	64QAM	3	0	22.38	22.36	22.40								
1.4	64QAM	3	3	22.16	22.32	22.22								
1.4	64QAM	3	3	22.15	22.29	22.21								
1.4	64QAM	6	0	21.19	21.29	21.11	22.5	1.5						
1.4	256QAM	1	0	19.26	19.57	19.36								
1.4	256QAM	1	3	19.22	19.55	19.47								
1.4	256QAM	3	0	19.26	19.22	19.30								
1.4	256QAM	3	1	19.10	19.34	19.30								
1.4	256QAM	3	1	19.21	19.18	19.19	21	3						
1.4	256QAM	6	0	19.08	19.20	19.14								
1.4	256QAM	6	0	19.17	19.25	19.09								
1.4	256QAM	6	0	19.17	19.25	19.09								
1														

Band 25 DSI2_Simultaneous Ant 2												
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)												
20	QPSK	1	0	18.74	18.84	18.80			20	0		
20	QPSK	1	49	18.76	18.83	18.74						
20	QPSK	1	99	18.70	18.77	18.75			20	0		
20	QPSK	50	0	18.72	18.82	18.86						
20	QPSK	50	24	18.70	18.75	18.84			20	0		
20	QPSK	50	50	18.56	18.66	18.59						
20	QPSK	100	0	18.59	18.79	18.69			20	0		
20	16QAM	100	0	18.73	18.77	18.78						
20	16QAM	1	49	18.60	18.66	18.56			20	0		
20	16QAM	1	99	18.71	18.77	18.55						
20	16QAM	50	0	18.61	18.72	18.64			20	0		
20	16QAM	50	24	18.59	18.65	18.60						
20	16QAM	50	50	18.59	18.67	18.54			20	0		
20	16QAM	100	0	18.57	18.61	18.60						
20	256QAM	1	0	18.39	18.56	18.44			20	0		
20	256QAM	1	49	18.44	18.71	18.49						
20	256QAM	1	99	18.40	18.45	18.44			20	0		
20	256QAM	3	0	18.40	18.45	18.45						
20	256QAM	50	24	18.44	18.45	18.49			20	0		
20	256QAM	50	50	18.20	18.48	18.39						
20	256QAM	100	0	18.48	18.48	18.48			20	0		
Channel												
Frequency (MHz)												
18	QPSK	1	0	18.62	18.69	18.69					20	0
18	QPSK	1	37	18.69	18.76	18.81						
18	QPSK	1	74	18.63	18.65	18.66			20	0		
18	QPSK	36	0	18.64	18.79	18.53						
18	QPSK	36	25	18.63	18.55	18.60			20	0		
18	QPSK	36	39	18.49	18.57	18.45						
18	QPSK	75	0	18.51	18.66	18.54			20	0		
18	16QAM	1	0	18.65	18.63	18.43						
18	16QAM	1	37	18.49	18.59	18.45			20	0		
18	16QAM	1	74	18.61	18.55	18.44						
18	16QAM	36	0	18.48	18.78	18.54			20	0		
18	16QAM	36	20	18.47	18.77	18.47						
18	16QAM	36	25	18.52	18.52	18.52			20	0		
18	16QAM	75	0	18.45	18.54	18.54						
18	64QAM	1	0	18.45	18.59	18.59			20	0		
18	64QAM	1	37	18.48	18.69	18.64						
18	64QAM	1	74	18.53	18.55	18.53			20	0		
18	64QAM	36	0	18.50	18.64	18.60						
18	64QAM	36	25	18.48	18.53	18.59			20	0		
18	64QAM	36	39	18.54	18.55	18.45						
18	64QAM	75	0	18.49	18.62	18.55			20	0		
18	256QAM	1	0	18.20	18.48	18.39						
18	256QAM	1	37	18.42	18.55	18.39			20	0		
18	256QAM	1	74	18.38	18.32	18.34						
18	256QAM	36	0	18.40	18.45	18.46			20	0		
18	256QAM	36	20	18.37	18.40	18.47						
18	256QAM	36	39	18.16	18.46	18.36			20	0		
18	256QAM	75	0	18.39	18.45	18.39						
Channel												
Frequency (MHz)												
20	QPSK	1	0	18.61	18.79	18.69			20	0		
20	QPSK	1	25	18.72	18.79	18.64						
20	QPSK	1	49	18.58	18.65	18.61			20	0		
20	QPSK	25	0	18.66	18.75	18.55						
20	QPSK	25	12	18.60	18.61	18.58			20	0		
20	QPSK	25	25	18.53	18.58	18.56						
20	QPSK	50	0	18.56	18.66	18.67			20	0		
20	16QAM	1	0	18.64	18.61	18.47						
20	16QAM	1	25	18.56	18.56	18.50			20	0		
20	16QAM	1	49	18.39	18.56	18.43						
20	16QAM	25	0	18.48	18.78	18.50			20	0		
20	16QAM	25	12	18.44	18.70	18.56						
20	16QAM	36	0	18.53	18.74	18.66			20	0		
20	16QAM	50	0	18.47	18.50	18.52						
20	64QAM	1	0	18.47	18.58	18.54			20	0		
20	64QAM	1	24	18.53	18.73	18.59						
20	64QAM	1	49	18.68	18.60	18.45			20	0		
20	64QAM	25	0	18.47	18.64	18.56						
20	64QAM	25	12	18.52	18.53	18.53			20	0		
20	64QAM	25	25	18.46	18.65	18.47						
20	64QAM	50	0	18.53	18.56	18.50			20	0		
20	256QAM	1	0	18.39	18.56	18.39						
20	256QAM	1	25	18.36	18.52	18.36			20	0		
20	256QAM	1	49	18.31	18.37	18.37						
20	256QAM	25	0	18.47	18.53	18.39			20	0		
20	256QAM	25	12	18.32	18.35	18.36						
20	256QAM	25	25	18.18	18.43	18.35			20	0		
20	256QAM	50	0	18.38	18.45	18.31						
Channel												
Frequency (MHz)												
20	QPSK	1	0	18.61	18.79	18.69			20	0		
20	QPSK	1	12	18.67	18.71	18.65						
20	QPSK	1	24	18.62	18.70	18.65			20	0		
20	QPSK	12	0	18.68	18.75	18.55						
20	QPSK	12	7	18.64	18.64	18.51			20	0		
20	QPSK	12	13	18.45	18.58	18.55						
20	QPSK	25	0	18.54	18.65	18.61			20	0		
20	16QAM	1	0	18.64	18.58	18.45						
20	16QAM	1	12	18.52	18.58	18.52			20	0		
20	16QAM	1	24	18.58	18.70	18.45						
20	16QAM	12	0	18.56	18.79	18.63			20	0		
20	16QAM	12	7	18.55	18.74	18.63						
20	16QAM	12	13	18.57	18.74	18.64			20	0		
20	16QAM	25	0	18.48	18.51	18.57						
20	64QAM	1	0	18.49	18.51	18.59			20	0		
20	64QAM	1	12	18.52	18.63	18.70						
20	64QAM	1	24	18.68	18.66	18.52			20	0		
20	64QAM	12	0	18.48	18.68	18.53						
20	64QAM	12	7	18.49	18.62	18.47			20	0		
20	64QAM	12	13	18.47	18.57	18.44						
20	64QAM	25	0	18.46	18.50	18.55			20	0		
20	256QAM	1	0	18.31	18.54	18.39						
20	256QAM	1	12	18.42	18.67	18.40			20	0		
20	256QAM	1	24	18.34	18.34	18.40						
20	256QAM	12	0	18.38	18.40	18.38			20	0		
20	256QAM	12	7	18.30	18.37	18.47						
20	256QAM	25	0	18.16	18.41	18.35			20	0		
20	256QAM	25	7	18.40	18.54	18.32						
Channel												
Frequency (MHz)												
3	QPSK	1	0	18.66	18.71	18.73			20	0		
3	QPSK	1	8	18.73	18.80	18.67						
3	QPSK	1	14	18.61	18.66	18.61			20	0		
3	QPSK	8	0	18.64	18.75	18.52						
3	QPSK	8	7	18.60	18.70	18.57			20	0		
3	QPSK	8	14	18.45	18.57	18.48						
3	QPSK	16	0	18.62	18.71	18.59			20	0		
3	QPSK	16	8	18.66	18.76	18.66						
3	QPSK	16	14	18.52	18.54	18.54			20	0		
3	16QAM	1	0	18.68	18.64	18.43						
3	16QAM	1	8	18.74	18.81	18.67			20	0		
3	16QAM	1	14	18.63	18.68	18.63						
3	16QAM	8	0	18.49	18.71	18.53			20	0		
3	16QAM	8	7	18.61	18.65	18.65						
3	16QAM	8	14	18.56	18.56	18.56			20	0		
3	16QAM	16	0	18.43	18.53	18.53						
3	16QAM	16	8	18.50	18.61	18.67			20	0		
3	16QAM	16	14	18.60	18.64	18.64						
3	16QAM	32	0	18.56	18.54	18.54			20	0		
3	16QAM	32	8	18.56	18.56	18.56						
3	256QAM	1	0	18.39	18.56	18.39			20	0		
3	256QAM	1	14	18.32	18.41	18.34						
3	256QAM	1	28	18.27	18.37	18.24			20	0		
3	256QAM	8	0	18.39	18.38	18.42						
3	256QAM	8	7	18.25	18.38	18.28			20	0		
3	256QAM	8	14	18.53	18.62	18.53						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	18.63	18.71	18.75			20	0		
1.4	QPSK	1	8	18.63	18.77	18.72						
1.4	QPSK	1	14	18.61	18.66	18.61			20	0		
1.4	QPSK	1	6	18.58	18.74	18.63						
1.4	QPSK	3	0	18.66	18.79	18.64			20	0		
1.4	QPSK	3	8	18.59	18.59	18.59						
1.4	QPSK	3	14	18.51	18.57	18.54			20	0		
1.4	QPSK	6	0	18.59	18.69	18.69						
1.4	QPSK	6	1	18.59	18.65	18.65			20	0		
1.4	QPSK	6	8	18.57	18.67	18.67						
1.4	QPSK	6	14	18.43	18.43	18.43			20	0		
1.4	QPSK	12	0	18.49	18.63	18.54						
1.4	QPSK	12	8	18.56	18.56	18.56			20	0		
1.4	QPSK	12	14	18.52	18.60	18.57						
1.4	QPSK	24	0	18.43	18.43	18.43			20	0		
1.4	QPSK	24	8	18.43	18.43	18.43						
1.4	QPSK	24	14	18.43	18.43	18.43			20	0		
1.4	QPSK	48	0	18.39	18.39	18.39						
1.4	QPSK	48	8	18.39	18.39	18.39			20	0		
1.4	QPSK	48										

Band 66 Default Ant 2													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up (MHz)	MPE (dB)					
Channel													
Frequency (MHz)				18027	18042	18057							
20	QPSK	1	0	21.34	21.41	21.37	22	0					
20	QPSK	1	48	21.22	21.30	21.23							
20	QPSK	1	99	21.12	21.23	21.18							
20	QPSK	50	0	21.22	21.55	21.23							
20	QPSK	50	24	21.18	21.22	21.18	22	0					
20	QPSK	50	50	21.08	21.19	21.11							
20	16QAM	1	0	21.07	21.23	21.19							
20	16QAM	1	48	21.07	21.14	21.06							
20	16QAM	1	99	20.97	21.03	20.94	22	0					
20	16QAM	50	0	21.07	21.20	21.12							
20	16QAM	50	24	20.95	21.01	20.96							
20	16QAM	50	50	20.86	21.04	20.82							
20	16QAM	100	0	20.99	21.16	21.02	20.5	1.5					
20	64QAM	1	0	21.07	21.20	21.13							
20	64QAM	1	48	21.00	21.10	21.03							
20	64QAM	1	99	21.03	21.04	21.03							
20	64QAM	50	0	19.88	20.08	19.90	20.5	1.5					
20	64QAM	50	24	19.90	19.92	19.82							
20	64QAM	50	50	19.77	19.84	19.89							
20	64QAM	100	0	20.02	20.08	20.09							
20	256QAM	1	0	17.81	18.01	17.79	19	3					
20	256QAM	1	48	17.75	17.84	17.79							
20	256QAM	1	99	17.79	17.79	17.74							
20	256QAM	50	0	17.85	17.85	17.82							
20	256QAM	50	24	17.78	17.82	17.80	19	3					
20	256QAM	50	50	17.74	17.85	17.78							
20	256QAM	100	0	18.02	18.10	18.28							
Channel													
Frequency (MHz)				18047	18052	18057	Tune-up (MHz)	MPE (dB)					
Frequency (MHz)				1717.5	1745	1772.5							
15	QPSK	1	0	21.28	21.38	21.34	22	0					
15	QPSK	1	37	21.14	21.18	21.18							
15	QPSK	1	74	21.06	21.19	21.14							
15	QPSK	36	0	21.16	21.20	21.09							
15	QPSK	36	20	21.08	21.12	21.03	22	0					
15	QPSK	36	39	20.98	21.06	20.99							
15	QPSK	75	0	20.97	21.24	21.11							
15	16QAM	1	0	21.04	21.08	21.04							
15	16QAM	1	37	21.04	21.06	20.86	22	0					
15	16QAM	1	74	20.92	21.09	20.82							
15	16QAM	36	0	21.04	21.14	21.03							
15	16QAM	36	20	20.81	20.87	20.89							
15	16QAM	36	39	20.93	20.94	20.90	22	0					
15	16QAM	75	0	20.94	21.12	20.91							
15	64QAM	1	0	20.95	21.19	21.07							
15	64QAM	1	37	20.86	21.04	20.29							
15	64QAM	1	74	20.99	20.95	20.95	20.5	1.5					
15	64QAM	36	0	19.82	19.99	19.86							
15	64QAM	36	20	19.80	19.90	19.79							
15	64QAM	36	39	19.72	19.77	19.75							
15	64QAM	75	0	19.89	19.99	20.03	19	3					
15	256QAM	1	0	17.76	17.84	17.78							
15	256QAM	1	37	17.68	17.87	17.69							
15	256QAM	1	74	17.72	17.74	17.65							
15	256QAM	36	0	17.62	17.86	17.72	19	3					
15	256QAM	36	20	17.65	17.87	17.65							
15	256QAM	36	39	17.65	17.74	17.68							
15	256QAM	75	0	17.68	18.13	17.96							
Channel													
Frequency (MHz)				18052	18052	18052	Tune-up (MHz)				MPE (dB)		
10	QPSK	1	0	21.25	21.31	21.49	22	0					
10	QPSK	1	25	21.13	21.24	21.10							
10	QPSK	1	49	20.99	21.20	21.04							
10	QPSK	25	0	21.17	21.28	21.11							
10	QPSK	25	12	21.04	21.11	21.07	22	0					
10	QPSK	25	25	20.95	21.06	20.98							
10	QPSK	50	0	21.04	21.14	21.09							
10	16QAM	1	0	20.97	21.12	21.00							
10	16QAM	1	25	20.98	21.10	20.87	22	0					
10	16QAM	1	49	20.86	20.95	20.86							
10	16QAM	25	0	21.02	21.12	21.09							
10	16QAM	25	12	20.84	20.88	20.90							
10	16QAM	35	24	20.83	20.93	20.77	22	0					
10	16QAM	50	0	20.88	21.13	20.99							
10	64QAM	1	0	20.96	21.20	21.10							
10	64QAM	1	24	20.86	21.03	20.98							
10	64QAM	1	49	20.98	20.90	20.82	20.5	1.5					
10	64QAM	25	0	19.77	20.02	19.84							
10	64QAM	25	12	19.80	19.86	19.87							
10	64QAM	25	25	19.73	19.70	19.80							
10	64QAM	50	0	19.91	19.95	19.98	19	3					
10	256QAM	1	0	17.77	17.87	17.82							
10	256QAM	1	25	17.64	17.86	17.66							
10	256QAM	1	49	17.67	17.67	17.65							
10	256QAM	25	0	17.78	17.84	17.68	19	3					
10	256QAM	25	12	17.87	17.78	17.72							
10	256QAM	25	25	17.66	17.76	17.70							
10	256QAM	50	0	17.93	18.02	17.85							
Channel													
Frequency (MHz)				18052	18052	18052	Tune-up (MHz)				MPE (dB)		
5	QPSK	1	0	21.23	21.36	21.42	22	0					
5	QPSK	1	12	21.15	21.20	21.12							
5	QPSK	1	24	20.98	21.19	21.07							
5	QPSK	12	0	21.12	21.24	21.14							
5	QPSK	12	7	21.10	21.10	21.06	22	0					
5	QPSK	12	13	21.00	21.14	21.09							
5	QPSK	25	0	20.94	21.18	21.07							
5	16QAM	1	0	20.98	21.10	21.04							
5	16QAM	1	12	20.99	21.07	20.96	22	0					
5	16QAM	1	24	20.93	20.90	20.93							
5	16QAM	12	0	20.93	21.14	21.05							
5	16QAM	12	7	20.87	20.95	20.87							
5	16QAM	12	13	20.84	20.80	20.80	22	0					
5	64QAM	1	0	20.87	21.09	20.90							
5	64QAM	1	12	20.91	21.06	20.99							
5	64QAM	1	24	20.99	21.00	20.95							
5	64QAM	12	0	19.82	19.98	19.85	20.5	1.5					
5	64QAM	12	7	19.75	19.81	19.88							
5	64QAM	12	13	19.70	19.74	19.85							
5	64QAM	25	0	19.89	19.94	19.99							
5	256QAM	1	0	17.73	17.80	17.69	19	3					
5	256QAM	1	12	17.62	17.85	17.65							
5	256QAM	1	24	17.66	17.71	17.65							

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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				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	16.72	16.70	16.66	18.1	0
20	QPSK	1	49	16.68	16.70	16.62		
20	QPSK	1	99	16.65	16.76	16.61		
20	QPSK	50	0	16.59	16.75	16.63	18.1	0
20	QPSK	50	24	16.51	16.69	16.54		
20	QPSK	50	50	16.55	16.61	16.59		
20	QPSK	100	0	16.51	16.67	16.56	18.1	0
20	16QAM	1	0	16.64	16.62	16.50		
20	16QAM	1	49	16.50	16.58	16.49		
20	16QAM	1	99	16.57	16.57	16.50	18.1	0
20	16QAM	50	0	16.56	16.68	16.58		
20	16QAM	50	24	16.46	16.69	16.59		
20	16QAM	50	50	16.53	16.73	16.63	18.1	0
20	16QAM	100	0	16.39	16.58	16.56		
20	64QAM	1	0	16.45	16.65	16.53		
20	64QAM	1	49	16.50	16.57	16.59	18.1	0
20	64QAM	1	99	16.49	16.63	16.50		
20	64QAM	50	0	16.56	16.67	16.54		
20	64QAM	50	24	16.50	16.64	16.47	18.1	0
20	64QAM	50	50	16.50	16.57	16.49		
20	64QAM	100	0	16.54	16.63	16.49		
20	256QAM	1	0	16.58	16.68	16.57	18.1	0
20	256QAM	1	49	16.49	16.65	16.52		
20	256QAM	1	99	16.53	16.62	16.56		
20	256QAM	50	0	16.54	16.63	16.51	18.1	0
20	256QAM	50	24	16.62	16.63	16.43		
20	256QAM	50	50	16.43	16.44	16.51		
20	256QAM	100	0	16.48	16.60	16.45		
Channel				37925	38000	38175		
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	16.65	16.72	16.61	18.1	0
15	QPSK	1	37	16.63	16.64	16.56		
15	QPSK	1	74	16.61	16.69	16.54		
15	QPSK	36	0	16.53	16.68	16.56	18.1	0
15	QPSK	36	20	16.48	16.62	16.48		
15	QPSK	36	39	16.48	16.58	16.51		
15	QPSK	75	0	16.43	16.58	16.50	18.1	0
15	16QAM	1	0	16.57	16.56	16.41		
15	16QAM	1	37	16.46	16.54	16.46		
15	16QAM	1	74	16.55	16.49	16.40	18.1	0
15	16QAM	36	0	16.49	16.63	16.52		
15	16QAM	36	20	16.43	16.63	16.49		
15	16QAM	36	39	16.50	16.66	16.58	18.1	0
15	16QAM	75	0	16.30	16.54	16.54		
15	64QAM	1	0	16.41	16.59	16.49		
15	64QAM	1	37	16.44	16.47	16.51	18.1	0
15	64QAM	1	74	16.45	16.53	16.44		
15	64QAM	36	0	16.52	16.65	16.48		
15	64QAM	36	20	16.42	16.60	16.40	18.1	0
15	64QAM	36	39	16.42	16.54	16.39		
15	64QAM	75	0	16.48	16.53	16.43		
15	256QAM	1	0	16.48	16.63	16.54	18.1	0
15	256QAM	1	37	16.42	16.57	16.42		
15	256QAM	1	74	16.44	16.52	16.47		
15	256QAM	36	0	16.51	16.57	16.43	18.1	0
15	256QAM	36	20	16.59	16.55	16.36		
15	256QAM	36	39	16.36	16.39	16.46		
15	256QAM	75	0	16.39	16.54	16.38		
Channel				37800	38000	38200		
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	16.69	16.75	16.60	18.1	0
10	QPSK	1	25	16.59	16.63	16.58		
10	QPSK	1	49	16.59	16.69	16.57		
10	QPSK	25	0	16.49	16.69	16.56	18.1	0
10	QPSK	25	12	16.46	16.63	16.48		
10	QPSK	25	25	16.51	16.57	16.54		
10	QPSK	50	0	16.46	16.58	16.52	18.1	0
10	16QAM	1	0	16.60	16.58	16.46		
10	16QAM	1	25	16.42	16.50	16.46		
10	16QAM	1	49	16.50	16.49	16.47	18.1	0
10	16QAM	25	0	16.53	16.60	16.53		
10	16QAM	25	12	16.43	16.61	16.49		
10	16QAM	25	25	16.43	16.66	16.59	18.1	0
10	16QAM	50	0	16.30	16.54	16.49		
10	64QAM	1	0	16.38	16.61	16.47		
10	64QAM	1	25	16.44	16.50	16.54	18.1	0
10	64QAM	1	49	16.41	16.57	16.42		
10	64QAM	25	0	16.50	16.62	16.47		
10	64QAM	25	12	16.43	16.59	16.44	18.1	0
10	64QAM	25	25	16.42	16.51	16.39		
10	64QAM	50	0	16.50	16.57	16.40		
10	256QAM	1	0	16.49	16.58	16.49	18.1	0
10	256QAM	1	25	16.43	16.61	16.43		
10	256QAM	1	49	16.43	16.54	16.48		
10	256QAM	25	0	16.48	16.58	16.43	18.1	0
10	256QAM	25	12	16.57	16.56	16.38		
10	256QAM	25	25	16.33	16.37	16.42		
10	256QAM	50	0	16.39	16.54	16.41		
Channel				37775	38000	38225		
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	16.63	16.71	16.57	18.1	0
5	QPSK	1	12	16.61	16.63	16.54		
5	QPSK	1	24	16.62	16.67	16.57		
5	QPSK	12	0	16.54	16.70	16.56	18.1	0
5	QPSK	12	7	16.43	16.63	16.52		
5	QPSK	12	13	16.47	16.56	16.52		
5	QPSK	25	0	16.48	16.65	16.50	18.1	0
5	16QAM	1	0	16.56	16.54	16.43		
5	16QAM	1	12	16.41	16.53	16.45		
5	16QAM	1	24	16.54	16.55	16.45	18.1	0
5	16QAM	12	0	16.51	16.62	16.50		
5	16QAM	12	7	16.42	16.67	16.55		
5	16QAM	12	13	16.46	16.70	16.61	18.1	0
5	16QAM	25	0	16.32	16.50	16.52		
5	64QAM	1	0	16.37	16.59	16.47		
5	64QAM	1	12	16.48	16.48	16.51	18.1	0
5	64QAM	1	24	16.47	16.55	16.41		
5	64QAM	12	0	16.46	16.63	16.48		
5	64QAM	12	7	16.46	16.57	16.38	18.1	0
5	64QAM	12	13	16.46	16.55	16.41		
5	64QAM	25	0	16.48	16.57	16.40		
5	256QAM	1	0	16.53	16.59	16.50	18.1	0
5	256QAM	1	12	16.41	16.59	16.42		
5	256QAM	1	24	16.46	16.55	16.51		
5	256QAM	12	0	16.50	16.54	16.48	18.1	0
5	256QAM	12	7	16.53	16.61	16.37		
5	256QAM	12	13	16.36	16.36	16.43		
5	256QAM	25	0	16.43	16.54	16.39		
Channel				37775	38000	38225		
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	16.70	16.81	16.90	16.74	16.71	18.1	0
20	QPSK	1	49	16.71	16.81	16.81	16.71	16.71		
20	QPSK	1	99	16.65	16.59	16.77	16.79	16.60		
20	QPSK	50	0	16.66	16.69	16.81	16.70	16.76	18.1	0
20	QPSK	50	24	16.54	16.54	16.74	16.51	16.60		
20	QPSK	50	50	16.66	16.52	16.68	16.56	16.54		
20	QPSK	100	0	16.60	16.66	16.79	16.59	16.69	18.1	0
20	16QAM	1	0	16.68	16.75	16.66	16.53	16.63		
20	16QAM	1	49	16.55	16.62	16.61	16.47	16.57		
20	16QAM	1	99	16.64	16.64	16.61	16.56	16.62	18.1	0
20	16QAM	50	0	16.50	16.60	16.64	16.63	16.65		
20	16QAM	50	24	16.61	16.53	16.71	16.54	16.58		
20	16QAM	50	50	16.52	16.61	16.59	16.56	16.58	18.1	0
20	16QAM	100	0	16.53	16.58	16.75	16.59	16.53		
20	64QAM	1	0	16.59	16.53	16.69	16.55	16.59		
20	64QAM	1	49	16.55	16.55	16.59	16.60	16.52	18.1	0
20	64QAM	1	99	16.55	16.58	16.70	16.62	16.65		
20	64QAM	50	0	16.66	16.63	16.77	16.59	16.59		
20	64QAM	50	24	16.65	16.47	16.70	16.64	16.47	18.1	0
20	64QAM	50	50	16.49	16.59	16.59	16.66	16.50		
20	64QAM	100	0	16.51	16.60	16.56	16.58	16.56		
20	256QAM	1	0	16.56	16.57	16.62	16.59	16.52	18.1	0
20	256QAM	1	49	16.55	16.53	16.61	16.66	16.56		
20	256QAM	1	99	16.59	16.57	16.74	16.62	16.65		
20	256QAM	50	0	16.61	16.62	16.76	16.60	16.61	18.1	0
20	256QAM	50	24	16.59	16.54	16.67	16.56	16.56		
20	256QAM	50	50	16.52	16.50	16.59	16.64	16.50		
20	256QAM	100	0	16.52	16.52	16.63	16.59	16.65		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	<th></th>	
15	QPSK	1	0	16.68	16.77	16.81	16.70	16.68	18.10	0
15	QPSK	1	37	16.65	16.77	16.73	16.63	16.63		
15	QPSK	1	74	16.62	16.53	16.68	16.71	16.53		
15	QPSK	36	0	16.60	16.60	16.72	16.62	16.73	18.1	0
15	QPSK	36	20	16.50	16.51	16.66	16.42	16.54		
15	QPSK	36	39	16.62	16.47	16.62	16.52	16.50		
15	QPSK	75	0	16.53	16.60	16.73	16.54	16.66	18.1	0
15	16QAM	1	0	16.65	16.71	16.57	16.44	16.58		
15	16QAM	1	37	16.46	16.56	16.59	16.40	16.53		
15	16QAM	1	74	16.54	16.57	16.54	16.50	16.56	18.1	0
15	16QAM	36	0	16.48	16.51	16.60	16.53	16.58		
15	16QAM	36	20	16.56	16.43	16.69	16.50	16.49		
15	16QAM	36	39	16.44	16.54	16.54	16.53	16.54	18.1	0
15	16QAM	75	0	16.50	16.49	16.65	16.53	16.46		
15	64QAM	1	0	16.56	16.49	16.61	16.50	16.55		
15	64QAM	1	37	16.47	16.46	16.55	16.57	16.49	18.1	0
15	64QAM	1	74	16.46	16.55	16.67	16.57	16.57		
15	64QAM	36	0	16.64	16.60	16.73	16.54	16.51		
15	64QAM	36	20	16.58	16.40	16.65	16.61	16.40	18.1	0
15	64QAM	36	39	16.42	16.56	16.52	16.61	16.41		
15	64QAM	75	0	16.41	16.50	16.50	16.53	16.54		
15	256QAM	1	0	16.50	16.55	16.54	16.50	16.46	18.1	0
15	256QAM	1	37	16.46	16.44	16.57	16.61	16.49		
15	256QAM	1	74	16.54	16.50	16.69	16.55	16.57		
15	256QAM	36	0	16.52	16.56	16.67	16.53	16.51	18.1	0
15	256QAM	36	20	16.51	16.52	16.61	16.48	16.49		
15	256QAM	36	39	16.48	16.43	16.51	16.57	16.45		
15	256QAM	75	0	16.44	16.48	16.55	16.49	16.63		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	<th></th>	
10	QPSK	1	0	16.65	16.73	16.83	16.70	16.62	18.10	0
10	QPSK	1	25	16.63	16.77	16.75	16.68	16.62		
10	QPSK	1	49	16.58	16.56	16.68	16.69	16.58		
10	QPSK	25	0	16.60	16.61	16.78	16.64	16.71	18.1	0
10	QPSK	25	12	16.49	16.44	16.70	16.42	16.57		
10	QPSK	25	25	16.62	16.45	16.65	16.54	16.52		
10	QPSK	50	0	16.52	16.59	16.75	16.53	16.65	18.1	0
10	16QAM	1	0	16.60	16.66	16.64	16.49	16.57		
10	16QAM	1	25	16.48	16.60	16.56	16.38	16.53		
10	16QAM	1	49	16.54	16.55	16.54	16.47	16.57	18.1	0
10	16QAM	25	0	16.47	16.57	16.58	16.60	16.56		
10	16QAM	25	12	16.58	16.47	16.64	16.48	16.50		
10	16QAM	25	25	16.44	16.51	16.51	16.46	16.54	18.1	0
10	16QAM	50	0	16.51	16.55	16.70	16.50	16.46		
10	64QAM	1	0	16.52	16.47	16.63	16.45	16.56		
10	64QAM	1	25	16.48	16.46	16.49	16.51	16.43	18.1	0
10	64QAM	1	49	16.52	16.48	16.60	16.56	16.62		
10	64QAM	25	0	16.60	16.57	16.73	16.52	16.52		
10	64QAM	25	12	16.62	16.45	16.61	16.54	16.43	18.1	0
10	64QAM	25	25	16.41	16.51	16.55	16.63	16.42		
10	64QAM	50	0	16.43	16.51	16.51	16.48	16.48		
10	256QAM	1	0	16.53	16.47	16.53	16.51	16.48	18.1	0
10	256QAM	1	25	16.51	16.49	16.51	16.63	16.51		
10	256QAM	1	49	16.54	16.47	16.67	16.59	16.60		
10	256QAM	25	0	16.54	16.58	16.67	16.52	16.59	18.1	0
10	256QAM	25	12	16.51	16.51	16.64	16.48	16.52		
10	256QAM	25	25	16.44	16.41	16.53	16.60	16.46		
10	256QAM	50	0	16.47	16.48	16.58	16.56	16.62		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	<th></th>	
5	QPSK	1	0	16.61	16.78	16.81	16.70	16.66	18.10	0
5	QPSK	1	12	16.65	16.75	16.75	16.67	16.64		
5	QPSK	1	24	16.59	16.52	16.73	16.77	16.52		
5	QPSK	12	0	16.57	16.59	16.73	16.61	16.72	18.1	0
5	QPSK	12	7	16.51	16.45	16.65	16.47	16.51		
5	QPSK	12	13	16.60	16.47	16.58	16.49	16.52		
5	QPSK	25	0	16.52	16.59	16.73	16.57	16.59	18.1	0
5	16QAM	1	0	16.61	16.73	16.59	16.45	16.58		
5	16QAM	1	12	16.47	16.59	16.55	16.44	16.54		
5	16QAM	1	24	16.60	16.54	16.53	16.53	16.55	18.1	0
5	16QAM	12	0	16.41	16.52	16.58	16.58	16.56		
5	16QAM	12	7	16.52	16.43	16.62	16.46	16.52		
5	16QAM	12	13	16.49	16.53	16.52	16.52	16.50	18.1	0
5	16QAM	25	0	16.46	16.49	16.69	16.54	16.48		
5	64QAM	1	0	16.56	16.47	16.65	16.45	16.57		
5	64QAM	1	12	16.51	16.50	16.53	16.54	16.44	18.1	0
5	64QAM	1	24	16.47	16.55	16.60	16.55	16.61		
5	64QAM	12	0	16.62	16.56	16.75	16.55	16.53		
5	64QAM	12	7	16.60	16.42	16.67	16.61	16.42	18.1	0
5	64QAM	12	13	16.40	16.51	16.56	16.60	16.44		
5	64QAM	25	0	16.46	16.56	16.51	16.56	16.49		
5	256QAM	1	0	16.52	16.52	16.56	16.54	16.47	18.1	0
5	256QAM	1	12	16.50	16.43	16.53	16.59	16.50		
5	256QAM	1	24	16.51	16.52	16.65	16.58	16.59		
5	256QAM	12	0	16.57	16.52	16.67	16.57	16.57	18.1	0
5	256QAM	12	7	16.55	16.45	16.61	16.49	16.47		
5	256QAM	12	13	16.46	16.42	16.51	16.54	16.43		
5	256QAM	25	0	16.44	16.46	16.56	16.52	16.61		

Band 41 PC2 FCC&IC DSI2_Simultaneous Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	19.7	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.26	18.38	18.46	18.37	18.40	19.7	0
20	QPSK	1	49	18.29	18.35	18.29	18.35	18.25		
20	QPSK	1	99	18.16	18.38	18.39	18.27	18.25	19.7	0
20	QPSK	50	0	18.20	18.25	18.40	18.24	18.37		
20	QPSK	50	24	18.17	18.28	18.32	18.20	18.15	19.7	0
20	QPSK	50	50	18.16	18.21	18.24	18.16	18.27		
20	QPSK	100	0	18.27	18.09	18.32	18.16	18.10	19.7	0
20	16QAM	1	0	18.15	18.36	18.33	18.38	18.08		
20	16QAM	1	49	18.10	18.12	18.18	18.08	18.17	19.7	0
20	16QAM	1	99	18.22	18.19	18.16	18.23	18.11		
20	16QAM	50	0	18.24	18.21	18.45	18.14	18.22	19.7	0
20	16QAM	50	24	18.30	18.10	18.35	18.18	18.22		
20	16QAM	50	50	18.34	18.18	18.38	18.18	18.25	19.7	0
20	16QAM	100	0	18.19	18.05	18.23	18.01	18.30		
20	64QAM	1	0	18.19	18.09	18.28	18.12	18.23	19.7	0
20	64QAM	1	49	18.14	18.12	18.26	18.14	18.27		
20	64QAM	1	99	18.10	18.26	18.25	18.14	18.17	19.7	0
20	64QAM	50	0	18.17	18.13	18.36	18.26	18.22		
20	64QAM	50	24	18.12	18.14	18.36	18.16	18.14	19.7	0
20	64QAM	50	50	18.15	18.21	18.22	18.12	18.13		
20	64QAM	100	0	18.20	18.14	18.39	18.18	18.17	19.7	0
20	256QAM	1	0	18.22	18.24	18.42	18.20	18.17		
20	256QAM	1	49	18.20	18.17	18.23	18.20	18.26	19.7	0
20	256QAM	1	99	18.17	18.09	18.28	18.14	18.21		
20	256QAM	50	0	18.21	18.22	18.28	18.16	18.17	19.7	0
20	256QAM	50	24	18.08	18.29	18.28	18.25	18.08		
20	256QAM	50	50	18.08	18.13	18.03	18.08	18.22	19.7	0
20	256QAM	100	0	18.12	18.08	18.28	18.12	18.07		
Channel				39725	40173	40620	41068	41515	19.70	0
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.18	18.29	18.37	18.32	18.35	19.7	0
15	QPSK	1	37	18.19	18.30	18.24	18.32	18.20		
15	QPSK	1	74	18.11	18.34	18.33	18.23	18.21	19.7	0
15	QPSK	36	0	18.16	18.23	18.38	18.21	18.31		
15	QPSK	36	20	18.13	18.24	18.22	18.14	18.11	19.7	0
15	QPSK	36	39	18.08	18.17	18.19	18.10	18.23		
15	QPSK	75	0	18.22	18.02	18.26	18.11	18.06	19.7	0
15	16QAM	1	0	18.06	18.31	18.26	18.33	18.02		
15	16QAM	1	37	18.06	18.06	18.13	17.99	18.12	19.7	0
15	16QAM	1	74	18.17	18.09	18.08	18.18	18.06		
15	16QAM	36	0	18.15	18.11	18.38	18.06	18.13	19.7	0
15	16QAM	36	20	18.26	18.06	18.33	18.13	18.14		
15	16QAM	36	39	18.26	18.16	18.33	18.13	18.20	19.7	0
15	16QAM	75	0	18.14	17.99	18.16	17.95	18.21		
15	64QAM	1	0	18.16	18.03	18.24	18.03	18.15	19.7	0
15	64QAM	1	37	18.06	18.08	18.22	18.05	18.24		
15	64QAM	1	74	18.02	18.23	18.20	18.05	18.12	19.7	0
15	64QAM	36	0	18.13	18.10	18.33	18.17	18.17		
15	64QAM	36	20	18.09	18.07	18.27	18.08	18.08	19.7	0
15	64QAM	36	39	18.10	18.14	18.16	18.05	18.03		
15	64QAM	75	0	18.13	18.04	18.31	18.12	18.14	19.7	0
15	256QAM	1	0	18.15	18.21	18.32	18.12	18.07		
15	256QAM	1	37	18.10	18.11	18.20	18.12	18.19	19.7	0
15	256QAM	1	74	18.14	18.06	18.21	18.09	18.17		
15	256QAM	36	0	18.14	18.19	18.19	18.09	18.14	19.7	0
15	256QAM	36	20	18.01	18.20	18.26	18.16	18.00		
15	256QAM	36	39	18.02	18.09	17.97	17.98	18.15	19.7	0
15	256QAM	75	0	18.08	18.01	18.19	18.09	17.98		
Channel				39700	40160	40620	41080	41540	19.70	0
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.17	18.31	18.44	18.28	18.36	19.70	0
10	QPSK	1	25	18.23	18.25	18.19	18.33	18.21		
10	QPSK	1	49	18.07	18.35	18.36	18.24	18.21	19.7	0
10	QPSK	25	0	18.15	18.18	18.30	18.17	18.34		
10	QPSK	25	12	18.15	18.22	18.26	18.14	18.08	19.7	0
10	QPSK	25	25	18.11	18.13	18.18	18.11	18.17		
10	QPSK	50	0	18.21	18.07	18.26	18.10	18.00	19.7	0
10	16QAM	1	0	18.08	18.26	18.30	18.32	17.98		
10	16QAM	1	25	18.04	18.10	18.13	18.03	18.13	19.7	0
10	16QAM	1	49	18.16	18.17	18.13	18.18	18.01		
10	16QAM	25	0	18.16	18.17	18.39	18.05	18.17	19.7	0
10	16QAM	25	12	18.24	18.05	18.30	18.11	18.17		
10	16QAM	25	25	18.32	18.10	18.31	18.10	18.21	19.7	0
10	16QAM	50	0	18.17	17.97	18.19	17.92	18.24		
10	64QAM	1	0	18.12	18.07	18.18	18.06	18.17	19.7	0
10	64QAM	1	25	18.10	18.06	18.18	18.11	18.21		
10	64QAM	1	49	18.06	18.16	18.16	18.06	18.12	19.7	0
10	64QAM	25	0	18.10	18.04	18.27	18.22	18.18		
10	64QAM	25	12	18.05	18.10	18.30	18.07	18.05	19.7	0
10	64QAM	25	25	18.05	18.18	18.14	18.06	18.09		
10	64QAM	50	0	18.17	18.12	18.33	18.10	18.12	19.7	0
10	256QAM	1	0	18.18	18.16	18.34	18.17	18.10		
10	256QAM	1	25	18.13	18.12	18.16	18.13	18.22	19.7	0
10	256QAM	1	49	18.13	18.02	18.22	18.12	18.13		
10	256QAM	25	0	18.13	18.18	18.23	18.13	18.10	19.7	0
10	256QAM	25	12	18.04	18.23	18.23	18.17	18.04		
10	256QAM	25	25	17.99	18.05	17.95	18.02	18.12	19.7	0
10	256QAM	50	0	18.09	18.03	18.19	18.10	18.04		
Channel				39675	40148	40620	41093	41595	19.70	0
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.21	18.34	18.36	18.32	18.36	19.70	0
5	QPSK	1	12	18.22	18.29	18.19	18.33	18.19		
5	QPSK	1	24	18.10	18.29	18.33	18.24	18.18	19.7	0
5	QPSK	12	0	18.11	18.20	18.35	18.20	18.28		
5	QPSK	12	7	18.12	18.18	18.24	18.17	18.09	19.7	0
5	QPSK	12	13	18.06	18.15	18.16	18.08	18.21		
5	QPSK	25	0	18.22	18.02	18.23	18.11	18.03	19.7	0
5	16QAM	1	0	18.05	18.29	18.30	18.33	18.03		
5	16QAM	1	12	18.06	18.09	18.11	18.04	18.09	19.7	0
5	16QAM	1	24	18.14	18.10	18.08	18.18	18.05		
5	16QAM	12	0	18.16	18.15	18.41	18.05	18.15	19.7	0
5	16QAM	12	7	18.23	18.03	18.28	18.09	18.15		
5	16QAM	12	13	18.31	18.08	18.35	18.13	18.17	19.7	0
5	16QAM	25	0	18.10	17.99	18.19	17.95	18.24		
5	64QAM	1	0	18.13	18.05	18.20	18.06	18.15	19.7	0
5	64QAM	1	12	18.07	18.06	18.20	18.09	18.23		
5	64QAM	1	24	18.01	18.20	18.19	18.06	18.11	19.7	0
5	64QAM	12	0	18.10	18.03	18.31	18.17	18.18		
5	64QAM	12	7	18.04	18.04	18.27	18.10	18.05	19.7	0

GSM1900 Ant3		DS1Z_Simultaneous								
GSM1900		Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810	512		661	810		
Frequency (MHz)		1850.2	1880	1909.8	1850.2	1880	1909.8			
GSM 1 Tx slot		26.73	26.86	26.81	27.80	17.73	17.86	17.81	18.80	
GPRS 1 Tx slot		26.69	26.87	26.71	27.80	17.69	17.87	17.71	18.80	
GPRS 2 Tx slots		23.95	24.03	23.90	24.80	17.95	18.03	17.90	18.80	
GPRS 3 Tx slots		21.96	22.02	21.89	23.00	17.70	17.76	17.63	18.74	
GPRS 4 Tx slots		20.08	20.15	20.11	21.80	17.08	17.15	17.11	18.80	
EDGE 1 Tx slot		25.06	25.13	24.99	26.00	16.06	16.13	15.99	17.00	
EDGE 2 Tx slots		23.33	23.43	23.40	24.50	17.33	17.43	17.40	18.50	
EDGE 3 Tx slots		22.21	22.35	22.25	23.00	17.95	18.09	17.99	18.74	
EDGE 4 Tx slots		20.13	20.18	20.06	21.00	17.13	17.18	17.06	18.00	

WCDMA II Ant3				WCDMA IV Ant3					
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9282	9400	9538		1312	1413	1513	
Rx Channel		9682	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps		16.91	16.97	16.83	18.80	18.32	18.48	18.41	19.90
3GPP Rel 99 RMC 12.2Kbps		16.95	17.04	16.89	18.80	18.39	18.53	18.49	19.90
3GPP Rel 6 HSDPA Subtest-1		15.91	16.15	16.03	17.80	17.29	17.50	17.47	18.90
3GPP Rel 6 HSDPA Subtest-2		15.88	16.16	15.90	17.80	17.30	17.54	17.27	18.90
3GPP Rel 6 HSDPA Subtest-3		15.61	15.52	15.38	17.30	17.07	16.82	16.79	18.40
3GPP Rel 6 HSDPA Subtest-4		15.35	15.59	15.50	17.30	16.88	16.94	16.88	18.40
3GPP Rel 8 DC-HSDPA Subtest-1		15.98	16.10	15.86	17.80	17.39	17.52	17.33	18.90
3GPP Rel 8 DC-HSDPA Subtest-2		15.81	16.03	16.06	17.80	17.37	17.49	17.45	18.90
3GPP Rel 8 DC-HSDPA Subtest-3		15.51	15.55	15.31	17.30	16.65	16.95	16.72	18.40
3GPP Rel 8 DC-HSDPA Subtest-4		15.30	15.51	15.43	17.30	16.66	16.94	16.71	18.40
3GPP Rel 6 HSUPA Subtest-1		16.03	16.23	15.86	17.80	17.44	17.64	17.32	18.90
3GPP Rel 6 HSUPA Subtest-2		14.15	14.12	14.08	15.80	15.62	15.41	15.50	16.90
3GPP Rel 6 HSUPA Subtest-3		15.15	14.99	14.83	16.80	16.44	16.42	16.35	17.90
3GPP Rel 6 HSUPA Subtest-4		13.92	14.12	14.13	15.80	15.29	15.55	15.50	16.90
3GPP Rel 6 HSUPA Subtest-5		15.87	15.93	15.86	17.80	17.28	17.36	17.27	18.90



Band 2 DSI2_Simultaneous Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Mod Ch / Freq	Power Hsp Ch / Freq	Power Hsp Ch / Freq	Turn-up int. (sec)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	17.24	17.31	17.18	18.8	0
20	QPSK	1	49	17.17	17.18	17.10		
20	QPSK	1	99	17.18	17.28	17.11		
20	QPSK	50	0	17.06	17.25	17.15		
20	QPSK	50	24	16.98	17.24	17.05		
20	QPSK	50	99	17.10	17.11	17.11		
20	QPSK	100	0	17.03	17.13	17.08		
20	16QAM	1	49	17.11	17.14	17.07		
20	16QAM	1	99	17.10	17.11	17.08		
20	16QAM	50	0	17.09	17.16	17.06		
20	16QAM	50	24	16.97	17.18	17.04		
20	16QAM	50	99	17.03	17.18	17.14		
20	16QAM	100	0	16.93	17.08	17.07		
20	64QAM	1	49	17.04	17.12	17.09		
20	64QAM	1	99	17.03	17.14	17.09		
20	64QAM	50	0	17.09	17.14	17.02		
20	64QAM	50	24	16.98	17.11	16.93		
20	64QAM	50	99	16.93	17.15	16.99		
20	256QAM	1	49	16.99	17.13	17.02		
20	256QAM	1	99	16.99	17.15	17.08		
20	256QAM	50	24	16.95	17.15	16.97		
20	256QAM	50	99	16.89	16.99	17.02		
20	256QAM	100	0	17.00	17.18	16.95		
Channel								
Frequency (MHz)								
15	QPSK	1	0	16.915	16.99	16.925	18.8	0
15	QPSK	1	49	16.915	16.99	16.925		
15	QPSK	1	99	17.10	17.25	17.10		
15	QPSK	1	99	17.07	17.18	16.96		
15	QPSK	36	0	16.92	17.15	17.08		
15	QPSK	36	39	16.93	17.18	16.95		
15	QPSK	36	39	16.98	17.07	16.97		
15	QPSK	75	0	16.90	16.98	17.03		
15	16QAM	1	16QAM	16.94	17.04	16.99		
15	16QAM	1	37	17.00	17.11	16.97		
15	16QAM	5	99	17.04	17.09	17.11		
15	16QAM	5	99	16.94	17.08	17.01		
15	16QAM	36	20	16.88	17.09	17.08		
15	16QAM	36	20	16.93	17.09	16.93		
15	64QAM	1	0	16.90	16.97	16.92		
15	64QAM	1	49	16.97	17.03	16.94		
15	64QAM	36	0	16.88	17.08	16.99		
15	64QAM	36	39	16.92	17.05	16.93		
15	64QAM	75	0	16.85	17.05	16.97		
15	256QAM	1	37	16.95	17.02	16.99		
15	256QAM	1	74	16.97	17.11	16.97		
15	256QAM	50	24	16.95	17.08	16.95		
15	256QAM	50	99	16.78	16.94	16.88		
15	256QAM	36	39	16.78	16.94	16.88		
15	256QAM	75	0	16.90	16.97	16.96		
15	256QAM	75	0	16.90	16.97	16.96		
Channel								
Frequency (MHz)								
10	QPSK	1	0	16.865	16.96	16.905	18.8	0
10	QPSK	1	25	17.11	17.08	17.00		
10	QPSK	1	49	17.13	17.12	17.03		
10	QPSK	25	0	16.93	17.15	17.06		
10	QPSK	25	25	16.97	16.98	17.00		
10	QPSK	25	25	16.94	17.02	16.97		
10	16QAM	1	0	16.92	17.04	16.98		
10	16QAM	1	25	16.89	17.08	17.01		
10	16QAM	25	12	16.88	17.18	16.94		
10	16QAM	25	25	16.90	17.08	16.98		
10	16QAM	50	0	16.85	16.97	16.93		
10	16QAM	50	0	16.88	17.01	17.01		
10	64QAM	1	0	16.93	17.02	16.98		
10	64QAM	1	49	16.92	17.10	16.95		
10	64QAM	25	0	17.05	17.02	16.90		
10	64QAM	25	25	17.02	17.03	16.92		
10	64QAM	50	0	16.97	16.98	17.01		
10	64QAM	50	0	16.97	16.98	17.01		
10	256QAM	1	25	16.93	17.05	16.97		
10	256QAM	1	49	16.93	16.91	16.96		
10	256QAM	12	13	16.94	17.09	16.94		
10	256QAM	25	0	16.98	17.05	16.98		
10	256QAM	25	25	17.00	17.06	17.06		
10	256QAM	12	13	16.98	17.11	16.98		
10	256QAM	25	25	16.84	16.88	16.88		
10	256QAM	25	25	16.90	17.03	16.94		
10	256QAM	25	25	16.90	17.03	16.94		
Channel								
Frequency (MHz)								
5	QPSK	1	0	16.815	16.90	16.915	18.8	0
5	QPSK	1	12	17.07	17.12	17.03		
5	QPSK	1	24	17.03	17.15	17.05		
5	QPSK	12	13	16.98	17.13	17.05		
5	QPSK	12	7	16.84	17.09	17.01		
5	QPSK	12	13	16.99	17.05	16.99		
5	QPSK	12	13	16.97	17.13	17.01		
5	16QAM	1	0	17.00	17.08	16.98		
5	16QAM	1	12	16.88	17.10	16.98		
5	16QAM	12	13	16.92	16.98	16.98		
5	16QAM	12	7	16.95	17.08	16.98		
5	16QAM	25	0	16.84	16.94	17.02		
5	64QAM	1	0	16.88	16.98	16.91		
5	64QAM	12	13	16.94	17.09	16.94		
5	64QAM	12	7	16.94	17.09	16.94		
5	64QAM	25	0	16.94	17.09	16.94		
5	64QAM	25	13	16.94	17.09	16.94		
5	256QAM	1	12	16.98	17.07	16.98		
5	256QAM	1	24	16.94	17.02	16.92		
5	256QAM	12	13	16.94	17.09	16.94		
5	256QAM	25	0	16.98	17.05	16.98		
5	256QAM	25	25	17.00	17.06	17.06		
5	256QAM	12	13	16.98	17.10	16.98		
5	256QAM	25	25	16.84	16.88	16.88		
5	256QAM	25	25	16.90	17.03	16.94		
5	256QAM	25	25	16.90	17.03	16.94		
Channel								
Frequency (MHz)								
3	QPSK	1	0	17.117	17.23	17.05	18.8	0
3	QPSK	1	8	17.08	17.02	16.96		
3	QPSK	1	14	17.09	17.15	17.00		
3	QPSK	8	7	17.02	17.13	17.04		
3	QPSK	8	4	16.87	17.20	16.94		
3	QPSK	8	7	16.95	17.07	16.98		
3	16QAM	1	0	16.99	16.99	17.04		
3	16QAM	1	8	16.98	17.07	16.97		
3	16QAM	8	4	16.99	17.05	17.00		
3	16QAM	8	4	16.99	17.04	17.02		
3	16QAM	15	0	16.90	17.13	17.04		
3	16QAM	15	0	16.92	17.13	17.01		
3	64QAM	1	0	16.81	17.09	16.93		
3	64QAM	1	8	16.89	17.08	16.96		
3	64QAM	8	4	16.91	17.14	16.90		
3	64QAM	8	7	17.09	17.01	16.95		
3	256QAM	1	0	17.01	17.08	16.98		
3	256QAM	1	8	16.92	17.07	16.98		
3	256QAM	8	4	17.05	17.05	16.98		
3	256QAM	8	4	17.07	17.07	16.91		
3	256QAM	15	0	16.88	17.02	16.87		
3	256QAM	15	0	16.88	17.02	16.87		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	16.957	16.95	16.913	18.8	0
1.4	QPSK	1	3	17.10	17.28	17.12		
1.4	QPSK	1	3	17.05	17.08	16.96		
1.4	QPSK	3	0	17.04	17.15	17.03		
1.4	QPSK	3	3	16.98	17.12	17.03		
1.4	QPSK	3	1	16.98	17.14	16.95		
1.4	16QAM	1	0	16.98	17.03	17.04		
1.4	16QAM	1	3	16.99	17.07	17.00		
1.4	16QAM	1	0	16.97	17.05	16.99		
1.4	16QAM	3	0	16.97	17.05	16.99		
1.4	16QAM	3	3	16.98	17.10	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98	17.12	17.00		
1.4	16QAM	3	1	16.98				

Band 30 DSI2_Simultaneous Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up (mHz)	MPR (dB)	
Channel									
Frequency (MHz)				2110					
10	QPSK	1	0	17.62			19.3	0	
10	QPSK	1	25	17.52					
10	QPSK	1	49	17.43					
10	QPSK	25	0	17.62			19.3	0	
10	QPSK	25	13	17.42					
10	QPSK	25	25	17.38					
10	QPSK	50	0	17.62			19.3	0	
10	16QAM	1	0	17.42					
10	16QAM	1	25	17.38					
10	16QAM	1	49	17.35			19.3	0	
10	16QAM	25	0	17.38					
10	16QAM	25	13	17.44					
10	16QAM	25	25	17.39			19.3	0	
10	16QAM	50	0	17.34					
10	64QAM	1	0	17.42					
10	64QAM	1	25	17.38			19.3	0	
10	64QAM	1	49	17.43					
10	64QAM	25	0	17.37					
10	64QAM	25	13	17.41			19.3	0	
10	64QAM	25	25	17.41					
10	64QAM	50	0	17.41					
10	256QAM	1	0	17.42			19.3	0	
10	256QAM	1	25	17.47					
10	256QAM	1	49	17.53					
10	256QAM	25	0	17.48			19.3	0	
10	256QAM	25	13	17.49					
10	256QAM	25	25	17.34					
10	256QAM	50	0	17.39					
Channel									
Frequency (MHz)				2185, 2197.5, 2310, 2312.5			Tune-up (mHz)	MPR (dB)	
5	QPSK	1	0	17.48	17.51	17.38	19.3	0	
5	QPSK	1	12	17.32	17.38	17.32			
5	QPSK	1	24	17.41	17.38	17.36			
5	QPSK	12	0	17.34	17.46	17.37	19.3	0	
5	QPSK	12	7	17.38	17.38	17.32			
5	QPSK	12	13	17.35	17.43	17.33			
5	QPSK	25	0	17.49	17.47	17.42	19.3	0	
5	16QAM	1	0	17.32	17.33	17.37			
5	16QAM	1	12	17.36	17.48	17.44			
5	16QAM	1	24	17.39	17.37	17.36	19.3	0	
5	16QAM	12	0	17.36	17.32	17.37			
5	16QAM	12	7	17.37	17.57	17.49			
5	16QAM	12	13	17.35	17.50	17.51	19.3	0	
5	16QAM	25	0	17.51	17.46	17.33			
5	16QAM	25	0	17.36	17.42	17.38			
5	64QAM	1	0	17.37	17.58	17.37	19.3	0	
5	64QAM	1	12	17.53	17.45	17.36			
5	64QAM	1	24	17.38	17.41	17.30			
5	64QAM	12	0	17.33	17.38	17.36	19.3	0	
5	64QAM	12	7	17.52	17.49	17.33			
5	64QAM	12	13	17.31	17.37	17.33			
5	64QAM	25	0	17.53	17.56	17.38	19.3	0	
5	256QAM	1	0	17.53	17.45	17.36			
5	256QAM	1	12	17.33	17.43	17.30			
5	256QAM	1	24	17.33	17.46	17.34	19.3	0	
5	256QAM	12	0	17.51	17.38	17.32			
5	256QAM	12	7	17.41	17.48	17.37			
5	256QAM	12	13	17.33	17.31	17.33	19.3	0	
5	256QAM	25	0	17.52	17.35	17.31			

Band 66 DSI2_Simultaneous Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up (mHz)	MPR (dB)	
Channel									
Frequency (MHz)				1720, 1745, 1775					
20	QPSK	1	0	18.52	18.56	18.63	20.2	0	
20	QPSK	1	49	18.78	18.75	18.69			
20	QPSK	1	99	18.84	18.86	18.71			
20	QPSK	50	0	18.72	18.87	18.62	20.2	0	
20	QPSK	50	24	18.77	18.75	18.52			
20	QPSK	50	50	18.80	18.63	18.77			
20	QPSK	100	0	18.71	18.73	18.55	20.2	0	
20	16QAM	1	0	18.55	18.63	18.51			
20	16QAM	1	49	18.56	18.66	18.62			
20	16QAM	1	99	18.79	18.58	18.67	20.2	0	
20	16QAM	50	0	18.74	18.68	18.72			
20	16QAM	50	24	18.75	18.72	18.59			
20	16QAM	50	50	18.82	18.79	18.64	20.2	0	
20	16QAM	100	0	18.87	18.87	18.54			
20	64QAM	1	0	18.69	18.72	18.59	20.2	0	
20	64QAM	1	49	18.54	18.62	18.66			
20	64QAM	1	99	18.70	18.59	18.70			
20	64QAM	50	0	18.60	18.75	18.77	20.2	0	
20	64QAM	50	25	18.53	18.75	18.66			
20	64QAM	50	50	18.52	18.62	18.60			
20	64QAM	100	0	18.62	18.65	18.74	20.2	0	
20	256QAM	1	0	18.50	18.68	18.58			
20	256QAM	1	49	18.42	18.55	18.45			
20	256QAM	1	99	18.45	18.32	18.46	20.2	0	
20	256QAM	50	0	18.49	18.71	18.54			
20	256QAM	50	24	18.39	18.40	18.38			
20	256QAM	50	50	18.26	18.48	18.48	20.2	0	
20	256QAM	100	0	18.25	18.65	18.48			
Channel									
Frequency (MHz)				1719.947, 1752.922, 1785.897			Tune-up (mHz)	MPR (dB)	
15	QPSK	1	0	17.715	17.74	1772.5	20.2	0	
15	QPSK	1	37	18.69	18.73	18.35			
15	QPSK	1	74	18.50	18.67	18.62			
15	QPSK	36	0	18.50	18.73	18.53	20.2	0	
15	QPSK	36	20	18.68	18.60	18.59			
15	QPSK	36	36	18.47	18.43	18.50			
15	QPSK	75	0	18.42	18.44	18.30	20.2	0	
15	16QAM	1	0	18.42	18.40	18.30			
15	16QAM	1	37	18.33	18.51	18.53			
15	16QAM	1	74	18.69	18.46	18.45	20.2	0	
15	16QAM	36	0	18.48	18.53	18.58			
15	16QAM	36	20	18.58	18.58	18.38			
15	16QAM	36	36	18.54	18.57	18.43	20.2	0	
15	16QAM	75	0	18.38	18.30	18.38			
15	64QAM	1	0	18.47	18.52	18.49	20.2	0	
15	64QAM	1	37	18.50	18.54	18.52			
15	64QAM	1	74	18.50	18.41	18.52			
15	64QAM	36	0	18.39	18.46	18.46	20.2	0	
15	64QAM	36	20	18.45	18.58	18.41			
15	64QAM	36	36	18.48	18.45	18.47			
15	64QAM	75	0	18.37	18.38	18.54	20.2	0	
15	256QAM	1	0	18.34	18.51	18.37			
15	256QAM	1	37	18.25	18.31	18.74			
15	256QAM	1	74	18.16	18.26	18.15	20.2	0	
15	256QAM	36	0	18.21	18.59	18.23			
15	256QAM	36	20	18.09	18.30	18.21			
15	256QAM	36	36	18.11	18.40	18.27	20.2	0	
15	256QAM	75	0	18.12	18.52	18.20			
15	256QAM	75	25	18.09	18.44	18.27			
Channel									
Frequency (MHz)				1719.922, 1752.922, 1785.897			Tune-up (mHz)	MPR (dB)	
5	QPSK	1	0	18.67	18.78	18.48	20.2	0	
5	QPSK	1	25	18.68	18.64	18.59			
5	QPSK	1	49	18.54	18.58	18.60			
5	QPSK	25	0	18.44	18.57	18.32	20.2	0	
5	QPSK	25	12	18.62	18.66	18.32			
5	QPSK	25	25	18.32	18.40	18.45			
5	QPSK	50	0	18.40	18.57	18.43	20.2	0	
5	16QAM	1	0	18.25	18.41	18.40			
5	16QAM	1	25	18.45	18.48	18.53			
5	16QAM	1	49	18.55	18.44	18.58	20.2	0	
5	16QAM	25	0	18.51	18.38	18.43			
5	16QAM	25	12	18.60	18.54	18.48			
5	16QAM	25	25	18.41	18.47	18.51	20.2	0	
5	16QAM	50	0	18.40	18.48	18.58			
5	16QAM	50	12	18.49	18.43	18.48	20.2	0	
5	16QAM	50	25	18.44	18.47	18.51			
5	16QAM	100	0	18.44	18.46	18.46			
5	16QAM	20	0	18.35	18.48	18.46	20.2	0	
5	16QAM	20	10	18.27	18.43	18.38			
5	16QAM	20	20	18.16	18.38	18.34			
5	16QAM	20	30	18.05	18.38	18.34	20.2	0	
5	16QAM	50	0	18.05	18.47	18.16			
5	16QAM	50	10	18.05	18.47	18.16			
Channel									
Frequency (MHz)				1712.15, 1722.922, 1733.697			Tune-up (mHz)	MPR (dB)	
5	QPSK	1	0	18.63	18.68	18.78	20.2	0	
5	QPSK	1	12	18.66	18.67	18.67			
5	QPSK	1	24	18.67	18.68	18.67			
5	QPSK	12	0	18.78	18.64	18.60	20.2	0	
5	QPSK	12	6	18.79	18.70	18.77			
5	QPSK	12	12	18.79	18.64	18.60			
5	QPSK	24	0	18.78	18.62	18.67	20.2	0	
5	QPSK	24	6	18.87	18.69	18.62			
5	QPSK	24	12	18.83	18.61	18.62			
5	QPSK	1	24	18.70	18.70	18.65	20.2	0	
5	16QAM	12	0	18.65	18.76	18.77			
5	16QAM	12	6	18.71	18.66	18.77			
5	16QAM	12	12	18.65	18.61	18.67	20.2	0	
5	16QAM	24	0	18.78	18.66	18.67			
5	16QAM	24	6	18.84	18.68	18.67			
5	16QAM	1	12	18.62	18.79	18.55	20.2	0	
5	16QAM	1	6	18.71	18.77	18.77			
5	16QAM	1	0	18.65	18.66	18.61			
5	16QAM	12	0	18.65	18.66	18.61	20.2	0	
5	16QAM	12	6	18.72	18.72	18.67			
5	16QAM	12	12	18.69	18.60	18.67			
5	16QAM	24	0	18.63	18.69	18.65	20.2	0	
5	16QAM	24	6	18.65	18.67	18.62			
5	16QAM	24	12	18.65	18.67	18.62			
5	16QAM	1	24	18.35	18.48	18.35	20.2	0	
5	16QAM	1	12	18.52	18.60	18.44			
5	16QAM	1	0	18.52	18.53	18.45			
5	16QAM	12	18	18.43	18.48	18.44	20.2	0	
5	16QAM	12	6	18.51	18.51	18.46			
5	16QAM	12	0	18.55	18.66	18.61			
5	16QAM	12	7	18.67	18.72	18.67	20.2	0	
5	16QAM	12	14	18.67	18.67	18.67			
5	16QAM	12	21	18.67	18.60	18.67			
5	16QAM	24	0	18.63	18.69	18.65	20.2	0	
5	16QAM	24	6	18.65	18.67	18.62			
5	16QAM	24	12	18.65	18.67	18.62			
5	16QAM	1	24	18.35	18.48	18.35	20.2	0	
5	16QAM	1	12	18.52	18.60	18.44			
5	16QAM	1	0	18.52	18.53	18.45			
5	16QAM	12	18	18.43	18.48	18.44	20.2	0	
5	16QAM	12	6	18.51	18.51	18.46			
5	16QAM	12	0	18.55	18.66	18.61			
5	256QAM	20	0	18.32	18.58	18.43	20.2	0	
5	256QAM	20	10	18.32	18.58	18.43			
5	256QAM	20	20	18.32	18.58	18.43			
Channel									
Frequency (MHz)				1711.15, 1745, 1779.5			Tune-up (mHz)	MPR (dB)	
3	QPSK	1	0	18.78	18.83	18.72	20.2	0	
3	QPSK	1	12	18.82	18.82	18.72			
3	QPSK	1	24	18.83	18.86	18.71			
3	QPSK	8	0	18.77	18.78	18.74	20.2	0	
3	QPSK	8	4	18.87	18.87	18.74			
3	QPSK	8	7	18.60	18.71	18.62			
3	QPSK	16	0	18.79	18.79	18.63	20.2	0	
3	QPSK	16	8	18.85	18.85	18.63			
3	QPSK	16	15	18.72	18.80	18.63			
3	16QAM	1	8	18.57	18.66	18.51	20.2	0	
3	16QAM	1	14	18.71	18.80	18.72			
3	16QAM	1	21	18.78	18.78	18.63			
3	16QAM	8	4	18.75	18.80	18.72	20.2	0	
3	16QAM	8	7	18.62	18.73	18.58			
3	16QAM	8	11	18.74	18.62	18.63			
3	16QAM	1	8	18.68	18.65	18.61	20.2	0	
3	16QAM	1	14	18.69	18.78	18.69			
3	16QAM	1	21	18.55	18.66	18.57			
3	16QAM	8	0	18.54	18.67	18.72	20.2	0	
3	16QAM	8	4	18.66	18.75	18.65			
3	16QAM	8	7	18.52	18.67	18.65			
3	16QAM	16	0	18.61	18.68	18.70	20.2	0	
3	16QAM	16	8	18.65	18.66	18.67			
3	16QAM	16	15	18.54	18.64	18.67			
3	16QAM	1	14	18.45	18.60	18.41	20.2	0	
3	16QAM	1	8	18.49	18.53	18.34			
3	16QAM	1	0	18.49	18.53	18.34			
3	256QAM	1	14	18.41	18.47	18.48	20.2	0	
3	256QAM	1	8	18.40	18.46	18.46			
3	256QAM	1	0	18.40	18.46	18.46			
3	256QAM	8	4	18.36	18.43	18.37	20.2	0	
3	256QAM	8	7	18.33	18.52	18.37			
3	256QAM	8	11	18.33	18.52	18.37			
Channel									
Frequency (MHz)				1710.17, 1744, 1779.5			Tune-up (mHz)	MPR (dB)	
1.4	QPSK	1	0	18.79	18.83	18.72	20.2	0	
1.4	QPSK	1	12	18.83	18.83</				

Band 38 DS12_Simultaneous Ant 3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)			
Channel				37860	38000	38160					
Frequency (MHz)				2476	2500	2512					
20	QPSK	1	0	18.29	18.37	18.31	20	0			
20	QPSK	1	49	18.22	18.28	18.17					
20	QPSK	1	99	18.20	18.26	18.22					
20	QPSK	50	0	18.19	18.28	18.19					
20	QPSK	50	24	18.10	18.22	18.15	20	0			
20	QPSK	50	50	18.12	18.20	18.15					
20	QPSK	100	0	18.18	18.27	18.26					
20	16QAM	1	0	18.20	18.24	18.15					
20	16QAM	1	49	18.12	18.18	18.15	20	0			
20	16QAM	1	99	18.20	18.22	18.16					
20	16QAM	50	24	18.13	18.26	18.18					
20	16QAM	50	50	18.14	18.24	18.14					
20	16QAM	50	50	18.18	18.23	18.18	20	0			
20	16QAM	100	0	18.11	18.20	18.13					
20	64QAM	1	0	18.25	18.25	18.11					
20	64QAM	1	49	18.13	18.26	18.14					
20	64QAM	1	99	18.10	18.18	18.11	20	0			
20	64QAM	50	0	18.22	18.30	18.15					
20	64QAM	50	24	18.19	18.28	18.15					
20	64QAM	50	50	18.11	18.28	18.12					
20	64QAM	100	0	18.12	18.20	18.12	20	0			
20	256QAM	1	0	18.20	18.18	18.15					
20	256QAM	1	49	18.20	18.20	18.25					
20	256QAM	1	99	18.19	18.33	18.19					
20	256QAM	50	0	18.24	18.28	18.24	20	0			
20	256QAM	50	24	18.26	18.21	18.22					
20	256QAM	50	50	18.20	18.34	18.20					
20	256QAM	100	0	18.13	18.26	18.28					
Channel				37860	38000	38175					
Frequency (MHz)				2472.5	2500	2512.5					
15	QPSK	1	0	18.25	18.30	18.21	20	0			
15	QPSK	1	37	18.14	18.25	18.08					
15	QPSK	1	74	18.11	18.20	18.10					
15	QPSK	36	0	18.11	18.23	18.11					
15	QPSK	36	20	18.07	18.14	18.12	20	0			
15	QPSK	36	36	18.04	18.23	18.06					
15	QPSK	75	0	18.12	18.24	18.23					
15	16QAM	1	0	18.14	18.22	18.09					
15	16QAM	1	37	18.03	18.23	18.12	20	0			
15	16QAM	1	74	18.11	18.15	18.13					
15	16QAM	36	0	18.06	18.20	18.15					
15	16QAM	36	20	18.11	18.18	18.08					
15	16QAM	36	36	18.13	18.14	18.15	20	0			
15	16QAM	75	0	18.04	18.15	18.06					
15	64QAM	1	0	18.22	18.23	18.01					
15	64QAM	1	37	18.11	18.17	18.10					
15	64QAM	1	74	18.06	18.12	18.02	20	0			
15	64QAM	36	0	18.17	18.25	18.11					
15	64QAM	36	20	18.12	18.17	18.09					
15	64QAM	36	36	18.09	18.15	18.10					
15	64QAM	75	0	18.09	18.12	18.02	20	0			
15	256QAM	1	0	18.22	18.09	18.14					
15	256QAM	1	37	18.22	18.15	18.10					
15	256QAM	1	74	18.10	18.25	18.15					
15	256QAM	36	0	18.26	18.10	18.21	20	0			
15	256QAM	36	20	18.18	18.15	18.15					
15	256QAM	36	36	18.11	18.29	18.12					
15	256QAM	75	0	18.11	18.26	18.10					
Channel				37860	38000	38200					
Frequency (MHz)				2475	2505	2515					
10	QPSK	1	0	18.24	18.30	18.24	20	0			
10	QPSK	1	25	18.17	18.23	18.10					
10	QPSK	1	49	18.16	18.21	18.17					
10	QPSK	25	0	18.14	18.20	18.11					
10	QPSK	25	12	18.02	18.13	18.09	20	0			
10	QPSK	25	25	18.08	18.12	18.07					
10	QPSK	50	0	18.11	18.19	18.20					
10	16QAM	1	0	18.15	18.21	18.07					
10	16QAM	1	25	18.03	18.07	18.06	20	0			
10	16QAM	1	49	18.13	18.19	18.09					
10	16QAM	25	0	18.06	18.23	18.10					
10	16QAM	25	12	18.07	18.10	18.07					
10	16QAM	50	0	18.02	18.16	18.10	20	0			
10	64QAM	1	0	18.16	18.21	18.07					
10	64QAM	1	25	18.05	18.17	18.07					
10	64QAM	1	49	18.07	18.15	18.06					
10	64QAM	25	0	18.10	18.25	18.09	20	0			
10	64QAM	25	12	18.12	18.17	18.08					
10	64QAM	25	25	18.06	18.26	18.06					
10	64QAM	50	0	18.05	18.13	18.06					
10	256QAM	1	0	18.26	18.10	18.10	20	0			
10	256QAM	1	49	18.10	18.20	18.10					
10	256QAM	25	0	18.32	18.10	18.22					
10	256QAM	25	12	18.20	18.11	18.13					
10	256QAM	25	25	18.15	18.25	18.14	20	0			
10	256QAM	50	0	18.03	18.26	18.19					
Channel				37775	38000	38225					
Frequency (MHz)				2475.5	2505	2517.5					
5	QPSK	1	0	18.24	18.30	18.27	20	0			
5	QPSK	1	12	18.16	18.19	18.11					
5	QPSK	1	24	18.15	18.23	18.14					
5	QPSK	12	0	18.11	18.24	18.18					
5	QPSK	12	7	18.01	18.16	18.05	20	0			
5	QPSK	12	13	18.05	18.14	18.09					
5	QPSK	25	0	18.20	18.21	18.22					
5	16QAM	1	0	18.13	18.21	18.12					
5	16QAM	1	12	18.08	18.10	18.08	20	0			
5	16QAM	1	24	18.17	18.16	18.06					
5	16QAM	12	0	18.11	18.17	18.11					
5	16QAM	12	7	18.07	18.15	18.08					
5	16QAM	12	13	18.10	18.19	18.10	20	0			
5	16QAM	25	0	18.07	18.11	18.03					
5	64QAM	1	0	18.16	18.23	18.02					
5	64QAM	1	12	18.04	18.17	18.09					
5	64QAM	1	24	18.03	18.14	18.02	20	0			
5	64QAM	12	0	18.14	18.23	18.06					
5	64QAM	12	7	18.18	18.21	18.05					
5	64QAM	12	13	18.03	18.24	18.08					
5	64QAM	25	0	18.00	18.17	18.05	20	0			
5	256QAM	1	0	18.21	18.07	18.13					
5	256QAM	1	12	18.21	18.12	18.20					
5	256QAM	1	24	18.13	18.25	18.09					
5	256QAM	12	0	18.27	18.10	18.20	20	0			
5	256QAM	12	7	18.22	18.15	18.15					
5	256QAM	12	13	18.18	18.20	18.10					
5	256QAM	25	0	18.06	18.26	18.22					

Band 41 FCC&IC PC2 DSI2_Simultaneous Ant 3												
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)	MPE (dB)	
Channel												
Frequency (MHz)												
20	QPSK	1	0	19.98	20.00	20.02	20.02	20.02	20.02	21.6	0	
20	QPSK	1	45	20.04	20.04	19.97	20.00	20.00	20.00			
20	QPSK	1	89	19.96	20.01	20.01	20.01	19.96	19.96			
20	QPSK	50	0	19.99	19.97	20.07	19.94	19.97	19.97			
20	QPSK	50	24	19.83	19.88	19.95	19.99	20.03	20.03	21.6	0	
20	QPSK	50	50	19.75	19.87	19.94	19.94	19.80	19.80			
20	QPSK	100	0	19.89	19.88	20.05	19.81	19.88	19.88			
20	16QAM	1	0	19.99	19.97	20.04	19.93	20.00	20.00	21.6	0	
20	16QAM	1	45	19.77	19.91	19.92	19.92	19.80	19.80			
20	16QAM	1	89	19.81	19.91	19.95	19.95	19.95	19.95			
20	16QAM	50	24	19.81	19.82	20.02	19.82	19.95	19.95			
20	16QAM	50	50	19.91	19.90	19.97	19.92	19.93	19.93	21.6	0	
20	16QAM	50	50	19.88	19.95	19.92	19.89	19.89	19.89			
20	16QAM	100	0	19.84	19.92	19.95	19.79	19.82	19.82			
20	64QAM	1	0	19.95	19.95	19.95	19.90	19.92	19.92	21.6	0	
20	64QAM	1	45	19.92	19.83	19.87	19.85	19.98	19.98			
20	64QAM	1	89	19.77	19.95	19.97	19.84	19.77	19.77			
20	64QAM	50	0	19.95	19.89	20.01	19.81	20.06	20.06	21.6	0	
20	64QAM	50	24	19.87	19.88	19.95	19.89	19.91	19.91			
20	64QAM	50	50	19.88	19.92	20.07	19.75	19.74	19.74			
20	64QAM	100	0	19.89	19.77	20.02	19.88	19.75	19.75			
20	256QAM	1	0	19.93	19.89	20.02	19.94	19.92	19.92	21.6	0	
20	256QAM	1	45	19.82	19.85	20.00	19.88	19.80	19.80			
20	256QAM	1	89	19.90	19.91	19.93	19.93	19.84	19.84			
20	256QAM	50	0	19.89	19.89	20.07	19.79	19.83	19.83			
20	256QAM	50	24	19.91	19.92	19.99	19.90	19.95	19.95	21.6	0	
20	256QAM	50	50	19.73	19.98	19.87	19.82	19.88	19.88			
20	256QAM	100	0	19.82	19.78	19.98	19.85	19.72	19.72			
Channel												
Frequency (MHz)												
16	QPSK	1	0	19.98	20.00	20.02	20.02	20.02	20.02	22	0	
16	QPSK	1	37	20.01	20.02	19.94	19.94	19.84	19.84			
16	QPSK	1	74	19.91	19.87	19.95	19.99	19.87	19.87			
16	QPSK	36	0	19.98	19.99	20.01	19.98	19.89	19.89			
16	QPSK	36	20	19.80	19.81	19.88	19.91	20.00	20.00	21.6	0	
16	QPSK	75	0	19.88	19.79	19.99	19.73	19.95	19.95			
16	16QAM	1	0	19.88	19.90	19.97	19.88	19.93	19.93	21.6	0	
16	16QAM	1	37	19.75	19.85	19.78	19.78	19.75	19.75			
16	16QAM	1	74	19.77	19.83	19.80	19.79	19.92	19.92			
16	16QAM	36	0	19.73	19.78	19.86	19.78	19.85	19.85			
16	16QAM	36	20	19.85	19.82	19.87	19.73	19.83	19.83	21.6	0	
16	16QAM	36	39	19.79	19.92	19.88	19.80	19.78	19.78			
16	16QAM	75	0	19.76	19.74	19.91	19.73	19.89	19.89			
16	64QAM	1	0	19.78	19.80	19.92	19.83	19.80	19.80	21.6	0	
16	64QAM	1	37	19.87	19.73	19.83	19.78	19.89	19.89			
16	64QAM	1	74	19.70	19.83	19.91	19.77	19.73	19.73			
16	64QAM	36	0	19.81	19.85	19.87	19.72	19.87	19.87	21.6	0	
16	64QAM	36	20	19.81	19.80	19.89	19.85	19.87	19.87			
16	64QAM	36	39	19.80	19.75	19.97	19.76	19.72	19.72			
16	64QAM	75	0	19.87	19.83	19.99	19.80	19.85	19.85	21.6	0	
16	256QAM	1	0	19.80	19.78	19.92	19.82	19.87	19.87			
16	256QAM	1	37	19.82	19.85	19.90	19.80	19.85	19.85			
16	256QAM	1	74	19.88	19.88	19.90	19.87	19.79	19.79			
16	256QAM	36	0	19.88	19.88	20.00	19.89	19.85	19.85	21.6	0	
16	256QAM	36	20	19.84	19.83	19.92	19.84	19.86	19.86			
16	256QAM	36	39	19.84	19.95	19.90	19.78	19.79	19.79			
16	256QAM	75	0	19.79	19.74	19.79	19.80	19.90	19.90			
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.01	20.01	20.01	20.00	20.00	20.00	22	0	
10	QPSK	1	25	20.01	19.99	19.95	19.95	19.96	19.96			
10	QPSK	1	49	19.87	20.03	19.85	19.89	19.87	19.87			
10	QPSK	25	0	19.81	19.80	19.85	19.85	19.80	19.80	21.6	0	
10	QPSK	25	12	19.80	19.83	19.80	19.85	20.00	20.00			
10	QPSK	25	25	19.77	19.82	19.91	19.78	19.85	19.85			
10	QPSK	50	0	19.81	19.85	20.04	19.74	19.84	19.84			
10	16QAM	1	0	19.84	19.95	19.95	19.80	19.80	19.80	21.6	0	
10	16QAM	1	25	19.69	19.82	19.80	19.77	19.77	19.77			
10	16QAM	1	49	19.77	19.87	19.88	19.76	19.88	19.88			
10	16QAM	25	0	19.77	19.73	19.98	19.78	19.93	19.93			
10	16QAM	25	12	19.85	19.80	19.97	19.80	19.85	19.85	21.6	0	
10	16QAM	25	25	19.78	19.82	19.83	19.70	19.79	19.79			
10	16QAM	50	0	19.81	19.75	19.92	19.72	19.88	19.88			
10	64QAM	1	0	19.80	19.84	19.80	19.64	19.79	19.79	21.6	0	
10	64QAM	1	25	19.87	19.79	19.80	19.79	19.92	19.92			
10	64QAM	1	49	19.67	19.83	19.83	19.78	19.75	19.75			
10	64QAM	25	0	19.87	19.86	19.85	19.78	20.00	20.00	21.6	0	
10	64QAM	25	12	19.84	19.82	19.92	19.79	19.85	19.85			
10	64QAM	25	25	19.62	19.82	20.00	19.88	19.87	19.87			
10	64QAM	50	0	19.84	19.72	19.99	19.80	19.87	19.87			
10	256QAM	1	0	19.86	19.96	19.90	19.88	19.84	19.84	21.6	0	
10	256QAM	1	25	19.78	19.82	19.94	19.88	19.98	19.98			
10	256QAM	1	49	19.86	19.86	19.90	19.85	19.78	19.78			
10	256QAM	25	0	19.88	19.84	19.98	19.60	19.98	19.98	21.6	0	
10	256QAM	25	12	19.86	19.86	19.90	19.60	19.98	19.98			
10	256QAM	25	25	19.70	19.91	19.91	19.72	19.92	19.92			
10	256QAM	50	0	19.72	19.78	19.83	19.78	19.88	19.88			
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.95	20.01	20.17	20.04	19.92	19.92	22	0	
5	QPSK	1	12	19.98	20.02	19.94	19.98	19.95	19.95			
5	QPSK	1	24	19.87	19.98	20.01	19.95	19.87	19.87			
5	QPSK	12	0	19.82	19.89	19.99	19.88	19.88	19.88	21.6	0	
5	QPSK	12	7	19.73	19.81	19.80	19.80	19.84	19.84			
5	QPSK	12	13	19.70	19.89	19.85	19.78	19.82	19.82			
5	QPSK	25	0	19.85	19.88	20.02	19.74	19.82	19.82			
5	16QAM	1	0	19.85	19.91	19.95	19.83	19.93	19.93	21.6	0	
5	16QAM	1	12	19.72	19.82	19.84	19.74	19.72	19.72			
5	16QAM	1	24	19.70	19.84	19.82	19.79	19.91	19.91			
5	16QAM	12	0	19.72	19.79	19.99	19.77	19.92	19.92	21.6	0	
5	16QAM	12	7	19.87	19.86	19.87	19.75	19.85	19.85			
5	16QAM	12	13	19.85	19.81	19.80	19.81	19.82	19.82			
5	16QAM	25	0	19.80	19.78	19.92	19.72	19.89	19.89	21.6	0	
5	64QAM	1	0	19.80	19.83	19.91	19.84	19.78	19.78			
5	64QAM	1	12	19.84	19.79	19.80	19.78	19.84	19.84			
5	64QAM	1	24	19.73	19.90	19.90	19.82	19.72	19.72			
5	64QAM	12	0	19.89	19.88	19.94	19.75	20.02	20.02	21.6	0	
5	64QAM	12	7	19.81	19.82	19.91	19.85	19.91	19.91			
5	64QAM	12	13	19.81	19.86	20.02	19.71	19.70	19.70			
5	64QAM	25	0	19.83	19.71	19.90	19.62	19.86	19.86			



Reduced Power Mode for DSI3-Standalone

DSI3-100 Aref												
Item	Channel	Back-Average Power (dBm)					Front-Average Power (dBm)					
		100	180	261	Limit	Limit	100	180	261	Limit	Limit	
TX Channel		584.2	656.3	868.9	(dBm)	(dBm)	584.2	656.4	868.9	(dBm)	(dBm)	
Frequency (MHz)		32.90	32.97	33.04	33.50	23.80	33.07	33.04	23.84	24.50		
OPRR-1 Tx-Mix		12.83	12.90	12.97	13.50	23.83	23.94	23.91	24.50			
OPRR-2 Tx-Mix		29.30	29.41	29.28	30.50	23.30	23.41	23.28	24.50			
OPRR-3 Tx-Mix		28.91	28.95	28.86	30.00	24.61	24.72	24.60	25.16			
OPRR-4 Tx-Mix		26.41	26.41	26.46	27.50	23.41	23.47	23.46	24.50			
EDGE-1 Tx-Mix		25.40	25.48	25.37	26.50	19.42	19.48	19.37	17.50			
EDGE-2 Tx-Mix		23.77	23.80	23.79	25.00	17.77	17.78	17.77	19.50			
EDGE-3 Tx-Mix		22.88	22.89	22.82	23.50	18.40	18.43	18.38	19.24			
EDGE-4 Tx-Mix		20.50	20.61	20.40	21.50	17.50	17.63	17.40	18.00			
DSI3-100 Aref		Default										
Item	Channel	Back-Average Power (dBm)					Front-Average Power (dBm)					
		512	983	810	Limit	Limit	512	983	810	Limit	Limit	
TX Channel		512 <td>983<td>810<td>(dBm)</td><td>(dBm)</td><td>512<td>983<td>810<td>(dBm)</td><td>(dBm)</td></td></td></td></td></td>	983 <td>810<td>(dBm)</td><td>(dBm)</td><td>512<td>983<td>810<td>(dBm)</td><td>(dBm)</td></td></td></td></td>	810 <td>(dBm)</td> <td>(dBm)</td> <td>512<td>983<td>810<td>(dBm)</td><td>(dBm)</td></td></td></td>	(dBm)	(dBm)	512 <td>983<td>810<td>(dBm)</td><td>(dBm)</td></td></td>	983 <td>810<td>(dBm)</td><td>(dBm)</td></td>	810 <td>(dBm)</td> <td>(dBm)</td>	(dBm)	(dBm)	
Frequency (MHz)		27.41	27.68	27.67	28.50	18.61	18.69	18.53	19.50			
OPRR-1 Tx-Mix		27.84	27.83	27.88	28.50	18.54	18.63	18.58	19.50			
OPRR-2 Tx-Mix		24.84	24.84	24.85	26.00	18.84	18.84	18.85	20.00			
OPRR-3 Tx-Mix		23.33	23.39	23.33	24.50	19.07	19.11	19.07	20.04			
OPRR-4 Tx-Mix		20.70	20.75	20.68	21.50	17.70	17.75	17.68	18.50			
EDGE-1 Tx-Mix		22.79	22.87	22.73	23.50	19.79	19.87	19.73	14.50			
EDGE-2 Tx-Mix		21.00	21.10	21.11	22.00	18.00	18.10	18.11	18.00			
EDGE-3 Tx-Mix		20.00	20.12	20.04	21.00	15.81	15.98	15.76	16.74			
EDGE-4 Tx-Mix		17.86	18.00	18.04	19.00	14.96	15.09	15.04	16.00			
DSI3-100 Aref		Default										
Item	Channel	Back-Average Power (dBm)					Front-Average Power (dBm)					
		5002	9400	9038	Limit	Limit	5002	9400	9038	Limit	Limit	
TX Channel		5002 <td>9400<td>9038<td>(dBm)</td><td>(dBm)</td><td>5002<td>9400<td>9038<td>(dBm)</td><td>(dBm)</td></td></td></td></td></td>	9400 <td>9038<td>(dBm)</td><td>(dBm)</td><td>5002<td>9400<td>9038<td>(dBm)</td><td>(dBm)</td></td></td></td></td>	9038 <td>(dBm)</td> <td>(dBm)</td> <td>5002<td>9400<td>9038<td>(dBm)</td><td>(dBm)</td></td></td></td>	(dBm)	(dBm)	5002 <td>9400<td>9038<td>(dBm)</td><td>(dBm)</td></td></td>	9400 <td>9038<td>(dBm)</td><td>(dBm)</td></td>	9038 <td>(dBm)</td> <td>(dBm)</td>	(dBm)	(dBm)	
Frequency (MHz)		1802.4	1800	1807.6	22.00	17.02.4	1702.6	1702.6	1702.6	22.00		
SCPP-PWR-0		20.82	20.85	20.83	22.00	20.45	20.47	20.38	22.00	22.45	22.45	
SCPP-PWR-1		19.72	19.75	19.70	21.00	19.59	19.66	19.50	21.00	21.55	21.55	
SCPP-PWR-2		19.68	19.71	19.65	21.00	19.50	19.58	19.52	21.00	21.60	21.64	
SCPP-PWR-3		19.19	19.20	19.21	20.50	19.00	19.11	19.08	20.50	21.04	21.06	
SCPP-PWR-4		19.15	19.15	19.21	20.50	19.00	19.16	19.00	20.50	20.98	21.04	
SCPP-PWR-5		19.70	19.69	19.84	21.00	19.54	19.68	19.48	21.00	21.55	21.52	
SCPP-PWR-6		19.08	19.12	19.05	20.50	19.02	19.03	19.89	20.50	20.92	20.92	
SCPP-PWR-7		19.02	19.15	19.12	20.50	19.90	19.09	19.01	20.50	20.89	21.03	
SCPP-PWR-8		19.06	19.73	19.70	21.00	19.05	19.03	19.61	21.00	21.61	21.67	
SCPP-PWR-9		17.71	17.70	17.64	19.00	17.64	17.60	17.61	19.00	19.67	19.63	
SCPP-PWR-10		19.60	19.73	19.70	20.00	19.52	19.58	19.58	20.00	20.52	20.50	
SCPP-PWR-11		17.61	17.60	17.57	19.00	17.44	17.51	17.48	19.00	19.40	19.40	
SCPP-PWR-12		19.94	19.90	19.92	21.00	19.83	19.48	19.38	21.00	21.55	21.44	

Default VCO-VY Aref												
Item	Channel	Back-Average Power (dBm)					Front-Average Power (dBm)					
		5002	9400	9038	Limit	Limit	5002	9400	9038	Limit	Limit	
TX Channel		5002 <td>9400<td>9038<td>(dBm)</td><td>(dBm)</td><td>5002<td>9400<td>9038<td>(dBm)</td><td>(dBm)</td></td></td></td></td></td>	9400 <td>9038<td>(dBm)</td><td>(dBm)</td><td>5002<td>9400<td>9038<td>(dBm)</td><td>(dBm)</td></td></td></td></td>	9038 <td>(dBm)</td> <td>(dBm)</td> <td>5002<td>9400<td>9038<td>(dBm)</td><td>(dBm)</td></td></td></td>	(dBm)	(dBm)	5002 <td>9400<td>9038<td>(dBm)</td><td>(dBm)</td></td></td>	9400 <td>9038<td>(dBm)</td><td>(dBm)</td></td>	9038 <td>(dBm)</td> <td>(dBm)</td>	(dBm)	(dBm)	
Frequency (MHz)		1802.4	1800	1807.6	22.00	17.02.4	1702.6	1702.6	1702.6	22.00		
SCPP-PWR-0		20.82	20.85	20.83	22.00	20.45	20.47	20.38	22.00	22.45	22.45	
SCPP-PWR-1		19.72	19.75	19.70	21.00	19.59	19.66	19.50	21.00	21.55	21.55	
SCPP-PWR-2		19.68	19.71	19.65	21.00	19.50	19.58	19.52	21.00	21.60	21.64	
SCPP-PWR-3		19.19	19.20	19.21	20.50	19.00	19.11	19.08	20.50	21.04	21.06	
SCPP-PWR-4		19.15	19.15	19.21	20.50	19.00	19.16	19.00	20.50	20.98	21.04	
SCPP-PWR-5		19.70	19.69	19.84	21.00	19.54	19.68	19.48	21.00	21.55	21.52	
SCPP-PWR-6		19.08	19.12	19.05	20.50	19.02	19.03	19.89	20.50	20.92	20.92	
SCPP-PWR-7		19.02	19.15	19.12	20.50	19.90	19.09	19.01	20.50	20.89	21.03	
SCPP-PWR-8		19.06	19.73	19.70	21.00	19.05	19.03	19.61	21.00	21.61	21.67	
SCPP-PWR-9		17.71	17.70	17.64	19.00	17.64	17.60	17.61	19.00	19.67	19.63	
SCPP-PWR-10		19.60	19.73	19.70	20.00	19.52	19.58	19.58	20.00	20.52	20.50	
SCPP-PWR-11		17.61	17.60	17.57	19.00	17.44	17.51	17.48	19.00	19.40	19.40	
SCPP-PWR-12		19.94	19.90	19.92	21.00	19.83	19.48	19.38	21.00	21.55	21.44	



Band 2 Default Ant 0										
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up Time (sec)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.11	20.10	20.07			24	0
20	QPSK	1	49	20.03	20.02	20.02				
20	QPSK	1	99	20.09	20.07	20.07				
20	QPSK	50	24	20.04	20.08	20.08			24	0
20	QPSK	50	50	20.02	20.04	20.04				
20	QPSK	100	0	20.09	20.05	20.02				
20	16QAM	1	49	20.05	20.09	20.00			24	0
20	16QAM	1	99	20.03	20.05	20.00				
20	16QAM	50	24	20.04	20.04	20.04				
20	16QAM	50	50	20.02	20.02	20.02			23.5	0.5
20	16QAM	100	0	20.02	20.02	20.02				
20	16QAM	100	24	20.02	20.02	20.02				
20	64QAM	1	0	20.02	20.02	20.02			23.5	0.5
20	64QAM	1	49	20.02	20.02	20.02				
20	64QAM	50	0	20.04	20.04	20.04				
20	64QAM	50	24	20.04	20.04	20.04			23.5	1.5
20	64QAM	100	0	20.03	20.03	20.03				
20	256QAM	1	49	19.92	19.99	19.90				
20	256QAM	1	99	19.98	19.92	19.97				
20	256QAM	50	24	19.98	19.98	19.98				
20	256QAM	50	50	19.90	19.93	19.93			20.5	3.5
20	256QAM	100	0	19.90	19.91	19.98				
20	256QAM	100	24	19.90	19.91	19.98				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.03	20.02	20.00			24	0
15	QPSK	1	49	20.07	20.06	20.00				
15	QPSK	1	99	20.02	20.02	20.00				
15	QPSK	50	24	20.02	20.02	20.00			24	0
15	QPSK	50	50	20.02	20.02	20.00				
15	QPSK	100	0	20.02	20.02	20.00				
15	16QAM	1	49	19.94	19.94	19.94			24	0
15	16QAM	1	99	19.97	19.97	19.97				
15	16QAM	50	24	19.79	19.80	19.78				
15	16QAM	50	50	19.79	19.80	19.78			23.5	0.5
15	16QAM	100	0	19.79	19.80	19.78				
15	256QAM	1	49	19.79	19.80	19.78				
15	256QAM	1	99	19.79	19.80	19.78			23.5	0.5
15	256QAM	50	24	19.79	19.80	19.78				
15	256QAM	50	50	19.79	19.80	19.78				
15	256QAM	100	0	19.79	19.80	19.78			23.5	0.5
15	256QAM	100	24	19.79	19.80	19.78				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.03	22.02	22.00			24	0
15	QPSK	1	49	22.07	22.06	22.00				
15	QPSK	1	99	22.02	22.02	22.00				
15	QPSK	50	24	22.02	22.02	22.00			24	0
15	QPSK	50	50	22.02	22.02	22.00				
15	QPSK	100	0	22.02	22.02	22.00				
15	16QAM	1	49	21.94	21.94	21.94			24	0
15	16QAM	1	99	21.97	21.97	21.97				
15	16QAM	50	24	21.79	21.80	21.78				
15	16QAM	50	50	21.79	21.80	21.78			23.5	0.5
15	16QAM	100	0	21.79	21.80	21.78				
15	256QAM	1	49	21.79	21.80	21.78				
15	256QAM	1	99	21.79	21.80	21.78			23.5	0.5
15	256QAM	50	24	21.79	21.80	21.78				
15	256QAM	50	50	21.79	21.80	21.78				
15	256QAM	100	0	21.79	21.80	21.78			23.5	0.5
15	256QAM	100	24	21.79	21.80	21.78				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.03	22.02	22.00			24	0
15	QPSK	1	49	22.07	22.06	22.00				
15	QPSK	1	99	22.02	22.02	22.00				
15	QPSK	50	24	22.02	22.02	22.00			24	0
15	QPSK	50	50	22.02	22.02	22.00				
15	QPSK	100	0	22.02	22.02	22.00				
15	16QAM	1	49	21.94	21.94	21.94			24	0
15	16QAM	1	99	21.97	21.97	21.97				
15	16QAM	50	24	21.79	21.80	21.78				
15	16QAM	50	50	21.79	21.80	21.78			23.5	0.5
15	16QAM	100	0	21.79	21.80	21.78				
15	256QAM	1	49	21.79	21.80	21.78				
15	256QAM	1	99	21.79	21.80	21.78			23.5	0.5
15	256QAM	50	24	21.79	21.80	21.78				
15	256QAM	50	50	21.79	21.80	21.78				
15	256QAM	100	0	21.79	21.80	21.78			23.5	0.5
15	256QAM	100	24	21.79	21.80	21.78				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.03	22.02	22.00			24	0
15	QPSK	1	49	22.07	22.06	22.00				
15	QPSK	1	99	22.02	22.02	22.00				
15	QPSK	50	24	22.02	22.02	22.00			24	0
15	QPSK	50	50	22.02	22.02	22.00				
15	QPSK	100	0	22.02	22.02	22.00				
15	16QAM	1	49	21.94	21.94	21.94			24	0
15	16QAM	1	99	21.97	21.97	21.97				
15	16QAM	50	24	21.79	21.80	21.78				
15	16QAM	50	50	21.79	21.80	21.78			23.5	0.5
15	16QAM	100	0	21.79	21.80	21.78				
15	256QAM	1	49	21.79	21.80	21.78				
15	256QAM	1	99	21.79	21.80	21.78			23.5	0.5
15	256QAM	50	24	21.79	21.80	21.78				
15	256QAM	50	50	21.79	21.80	21.78				
15	256QAM	100	0	21.79	21.80	21.78			23.5	0.5
15	256QAM	100	24	21.79	21.80	21.78				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.03	22.02	22.00			24	0
15	QPSK	1	49	22.07	22.06	22.00				
15	QPSK	1	99	22.02	22.02	22.00				
15	QPSK	50	24	22.02	22.02	22.00			24	0
15	QPSK	50	50	22.02	22.02	22.00				
15	QPSK	100	0	22.02	22.02	22.00				
15	16QAM	1	49	21.94	21.94	21.94			24	0
15	16QAM	1	99	21.97	21.97	21.97				
15	16QAM	50	24	21.79	21.80	21.78				
15	16QAM	50	50	21.79	21.80	21.78			23.5	0.5
15	16QAM	100	0	21.79	21.80	21.78				
15	256QAM	1	49	21.79	21.80	21.78				
15	256QAM	1	99	21.79	21.80	21.78			23.5	0.5
15	256QAM	50	24	21.79	21.80	21.78				
15	256QAM	50	50	21.79	21.80	21.78				
15	256QAM	100	0	21.79	21.80	21.78			23.5	0.5
15	256QAM	100	24	21.79	21.80	21.78				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.03	22.02	22.00			24	0
15	QPSK	1	49	22.07	22.06	22.00				
15	QPSK	1	99	22.02	22.02	22.00				
15	QPSK	50	24	22.02	22.02	22.00			24	0
15	QPSK	50	50	22.02	22.02	22.00				
15	QPSK	100	0	22.02	22.02	22.00				
15	16QAM	1	49	21.94	21.94	21.94			24	0
15	16QAM	1	99	21.97	21.97	21.97				
15	16QAM	50	24	21.79	21.80	21.78				
15	16QAM	50	50	21.79	21.80	21.78			23.5	0.5
15	16QAM	100	0	21.79	21.80	21.78				
15	256QAM	1	49	21.79	21.80	21.78				
15	256QAM	1	99	21.79	21.80	21.78			23.5	0.5
15	256QAM	50	24	21.79	21.80	21.78				
15	256QAM	50	50	21.79	21.80	21.78				
15	256QAM	100	0	21.79	21.80	21.78			23.5	0.5
15	256QAM	100	24	21.79	21.80	21.78				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.03	22.02	22.00			24	0
15	QPSK	1	49	22.07	22.06	22.00				
15	QPSK	1	99	22.02	22.02	22.00				
15	QPSK	50	24	22.02	22.02	22.00			24	0
15	QPSK	50	50	22.02	22.02	22.00				
15	QPSK	100	0	22.02	22.02	22.00				
15	16QAM	1	49	21.94	21.94	21.94			24	0
15	16QAM	1	99	21.97	21.97	21.97				
15	16QAM	50	24	21.79	21.80	21.78				
15	16QAM	50	50	21.79	21.80	21.78			23.5	0.5
15	16QAM	100	0	21.79	21.80	21.78				
15	256QAM	1	49	21.79	21.80	21.78				
15	256QAM	1	99	21.79	21.80	21.78			23.5	0.5
15	256QAM	50	24	21.79	21.80	21.78				
15	256QAM	50	50	21.79	21.80	21.78				
15	256QAM	100	0	21.79	21.80	21.78			23.5	0.5
15	256QAM	100	24	21.79	21.80	21.78				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.03	22.02	22.00			24	0
15	QPSK	1	49	22.07	22.06	22.00				
15	QPSK	1	99	22.02	22.02	22.00				
15	QPSK	50	24	22.02	22.02	22.00			24	0
15	QPSK	50	50	22.02	22.02	22.00				
15	QPSK	100	0	22.02	22.02	22.00				
15	16QAM	1	49	21.94	21.94	21.94			24	0
15	16QAM	1	99	21.97	21.97	21.97				
15	16QAM	50	24	21.79	21.80	21.78				
15	16QAM	50	50	21.79	21.80	21.78			23.5	



Band 12 Default Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.84	22.82	22.79	24	0						
10	QPSK	1	25	22.78	22.81	22.84								
10	QPSK	1	49	22.80	22.88	22.82								
10	QPSK	25	0	22.83	22.82	22.72								
10	QPSK	25	12	22.80	22.80	22.81	24	0						
10	QPSK	25	25	22.86	22.80	22.83								
10	QPSK	50	0	22.85	22.77	22.82								
10	16QAM	1	0	22.84	22.72	22.80								
10	16QAM	1	25	22.84	22.89	22.88	24	0						
10	16QAM	1	49	22.84	22.85	22.86								
10	16QAM	25	0	22.85	22.81	22.84								
10	16QAM	25	12	22.82	22.43	22.28								
10	16QAM	25	25	22.80	22.85	22.86	23.5	0.5						
10	16QAM	50	0	22.87	22.47	22.28								
10	64QAM	1	0	22.28	22.41	22.29								
10	64QAM	1	25	22.14	22.25	22.19								
10	64QAM	1	49	22.10	22.22	22.16	22.5	1.5						
10	64QAM	25	0	21.84	21.87	21.90								
10	64QAM	25	12	21.44	21.86	21.81								
10	64QAM	25	25	21.38	21.44	21.44								
10	64QAM	50	0	21.43	21.54	21.41	20.5	3.5						
10	256QAM	1	25	19.33	19.40	19.38								
10	256QAM	1	49	19.30	19.33	19.28								
10	256QAM	25	0	19.35	19.41	19.41								
10	256QAM	25	12	19.29	19.34	19.30	20.5	3.5						
10	256QAM	25	25	19.20	19.33	19.22								
10	256QAM	50	0	19.20	19.25	19.20								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.77	22.86	22.74	24	0						
5	QPSK	1	12	22.83	22.82	22.86								
5	QPSK	1	24	22.47	22.54	22.47								
5	QPSK	12	0	22.80	22.75	22.88								
5	QPSK	12	13	22.48	22.85	22.81	24	0						
5	QPSK	12	13	22.83	22.48	22.51								
5	QPSK	25	0	22.86	22.82	22.86								
5	16QAM	1	0	22.42	22.62	22.48								
5	16QAM	1	12	22.52	22.48	22.47	24	0						
5	16QAM	1	24	22.33	22.52	22.56								
5	16QAM	12	0	22.30	22.47	22.28								
5	16QAM	12	7	22.28	22.33	22.19								
5	16QAM	12	13	22.19	22.24	22.19	23.5	0.5						
5	16QAM	25	0	22.31	22.34	22.19								
5	64QAM	1	0	22.15	22.30	22.22								
5	64QAM	1	24	21.96	22.07	22.07								
5	64QAM	12	0	21.48	21.83	21.41	22.5	1.5						
5	64QAM	12	7	21.54	21.84	21.47								
5	64QAM	12	13	21.20	21.32	21.33								
5	64QAM	25	0	21.33	21.48	21.34								
5	256QAM	1	0	19.24	19.27	19.24	20.5	3.5						
5	256QAM	1	12	19.21	19.31	19.29								
5	256QAM	1	24	19.17	19.25	19.18								
5	256QAM	12	0	19.16	19.21	19.26								
5	256QAM	12	7	19.22	19.27	19.27	20.5	3.5						
5	256QAM	12	13	19.07	19.21	19.11								
5	256QAM	25	0	19.13	19.31	19.12								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.75	22.81	22.75	24	0						
3	QPSK	1	8	22.70	22.78	22.80								
3	QPSK	1	16	22.49	22.79	22.87								
3	QPSK	8	0	22.49	22.79	22.87								
3	QPSK	8	4	22.51	22.81	22.48	24	0						
3	QPSK	8	4	22.49	22.49	22.87								
3	QPSK	16	0	22.84	22.73	22.48								
3	16QAM	1	0	22.39	22.59	22.47								
3	16QAM	1	8	22.48	22.48	22.48	24	0						
3	16QAM	1	16	22.38	22.44	22.38								
3	16QAM	8	0	22.26	22.44	22.28								
3	16QAM	8	4	22.23	22.37	22.18								
3	16QAM	8	7	22.32	22.32	22.30	23.5	0.5						
3	16QAM	16	0	22.23	22.30	22.19								
3	64QAM	1	0	22.23	22.28	22.17								
3	64QAM	1	8	22.02	22.10	22.06								
3	64QAM	1	14	22.02	22.10	22.04	22.5	1.5						
3	64QAM	8	0	21.45	21.61	21.40								
3	64QAM	8	4	21.40	21.40	21.37								
3	64QAM	8	7	21.38	21.38	21.33								
3	64QAM	15	0	21.37	21.50	21.31	20.5	3.5						
3	256QAM	1	0	19.28	19.41	19.36								
3	256QAM	1	8	19.26	19.31	19.24								
3	256QAM	1	14	19.23	19.30	19.21								
3	256QAM	8	0	19.15	19.45	19.25	20.5	3.5						
3	256QAM	8	4	19.18	19.20	19.18								
3	256QAM	8	7	19.06	19.22	19.07								
3	256QAM	15	0	19.18	19.40	19.14								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.75	22.83	22.75	24	0						
1.4	QPSK	1	3	22.85	22.87	22.81								
1.4	QPSK	1	5	22.48	22.67	22.83								
1.4	QPSK	3	0	22.80	22.87	22.87								
1.4	QPSK	3	1	22.84	22.80	22.86	24	0						
1.4	QPSK	3	1	22.44	22.84	22.87								
1.4	QPSK	6	0	22.83	22.73	22.86								
1.4	16QAM	1	0	22.80	22.82	22.86								
1.4	16QAM	1	3	22.49	22.46	22.80	24	0						
1.4	16QAM	1	6	22.40	22.45	22.43								
1.4	16QAM	3	0	22.47	22.80	22.86								
1.4	16QAM	3	1	22.49	22.45	22.47								
1.4	16QAM	3	3	22.37	22.48	22.40	23.5	0.5						
1.4	16QAM	6	0	22.17	22.30	22.14								
1.4	64QAM	1	0	22.33	22.41	22.29								
1.4	64QAM	1	3	22.22	22.40	22.17								
1.4	64QAM	3	0	22.05	22.21	22.09	22.5	1.5						
1.4	64QAM	3	3	21.99	22.16	22.05								
1.4	64QAM	3	3	22.22	22.28	22.16								
1.4	64QAM	6	0	21.48	21.60	21.41								
1.4	256QAM	1	0	19.29	19.47	19.30	20.5	3.5						
1.4	256QAM	1	3	19.21	19.31	19.24								
1.4	256QAM	3	0	19.22	19.27	19.22								
1.4	256QAM	3	3	19.18	19.37	19.34								
1.4	256QAM	3	1	19.16	19.21	19.24	20.5	3.5						
1.4	256QAM	6	0	19.15	19.21	19.09								
1.4	256QAM	6	0	19.17	19.35	19.18								

Band 13 Default Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time Slot (Slot)	MPE (dB)		
Channel Frequency (MHz)										
10	QPSK	1	0		23.07		24	0		
10	QPSK	1	25		23.04					
10	QPSK	1	50		23.04					
10	QPSK	25	0		23.08					
10	QPSK	25	12		23.85					
10	QPSK	25	25		23.85		24	0		
10	QPSK	50	0		23.95					
10	16QAM	1	0		22.91					
10	16QAM	1	25		22.91					
10	16QAM	1	50		22.91					
10	16QAM	1	49		22.79		24	0		
10	16QAM	25	0		23.52					
10	16QAM	25	12		23.54					
10	16QAM	25	25		23.54					
10	16QAM	50	0		23.62					
10	16QAM	25	25		22.41		23.5	0.5		
10	16QAM	1	49		22.49					
10	16QAM	1	25		22.49					
10	16QAM	25	12		23.67					
10	16QAM	25	25		23.67					
10	16QAM	50	0		23.77		22.5	1.5		
10	256QAM	1	0		19.82					
10	256QAM	1	25		19.82					
10	256QAM	1	50		19.85					
10	256QAM	25	0		20.55					
10	256QAM	25	12		20.55		20.5	3.5		
10	256QAM	25	25		20.55					
10	256QAM	50	0		20.68					
10	256QAM	50	0		19.58					
10	256QAM	50	0		19.58					
10	256QAM	50	0		19.58		20.5	3.5		
10	256QAM	50	0		19.58					
10	256QAM	50	0		19.58					
10	256QAM	50	0		19.58					
10	256QAM	50	0		19.58					
Channel Frequency (MHz)										
Channel Frequency (MHz)										
10	QPSK	1	0	22.93	23.03	22.95	24	0		
10	QPSK	1	12	22.90	23.00	22.92				
10	QPSK	1	24	22.84	22.94	22.86				
10	QPSK	12	0	22.95	23.04	22.93				
10	QPSK	12	7	22.77	22.71	22.73				
10	QPSK	12	19	22.71	22.76	22.74	24	0		
10	QPSK	25	0	22.88	22.91	22.91				
10	16QAM	1	0	22.86	22.80	22.87				
10	16QAM	1	12	22.72	22.78	22.71				
10	16QAM	1	24	22.67	22.78	22.74				
10	16QAM	12	0	22.82	22.80	22.85	23.5	0.5		
10	16QAM	12	7	22.60	22.65	22.68				
10	16QAM	12	19	22.43	22.46	22.45				
10	16QAM	25	0	22.67	22.66	22.63				
10	16QAM	25	12	22.55	22.55	22.47				
10	16QAM	1	12	23.37	23.30	23.27	22.5	0.5		
10	16QAM	1	24	22.39	22.42	22.45				
10	16QAM	12	0	21.79	21.80	21.82				
10	16QAM	12	19	21.62	21.68	21.70				
10	16QAM	12	19	21.61	21.55	21.59				
10	16QAM	25	0	21.71	21.66	21.73	22.5	1.5		
10	16QAM	25	1	19.77	19.78	19.74				
10	256QAM	1	12	19.56	19.48	19.51				
10	256QAM	1	24	19.41	19.47	19.50				
10	256QAM	12	19	19.59	19.55	19.54				
10	256QAM	12	7	19.55	19.52	19.53	20.5	3.5		
10	256QAM	12	19	19.46	19.43	19.51				
10	256QAM	12	19	19.57	19.58	19.60				
10	256QAM	12	19	19.57	19.58	19.60				
10	256QAM	12	19	19.57	19.58	19.60				

Band 25 Default Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 18440	Power Med Ch / Freq. 18440	Power High Ch / Freq. 18440	Turnup time (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.16	23.21	23.16	24	0						
20	QPSK	1	49	23.03	23.03	23.03								
20	QPSK	1	99	22.97	23.01	23.03								
20	QPSK	50	0	23.00	23.15	23.05								
20	QPSK	50	24	22.95	23.03	23.05	24	0						
20	QPSK	50	50	22.88	22.99	22.88								
20	QPSK	100	0	22.91	23.01	22.92								
20	16QAM	1	0	22.96	22.99	22.97								
20	16QAM	1	49	22.94	22.99	22.95	24	0						
20	16QAM	1	99	22.81	22.87	22.80								
20	16QAM	50	0	22.79	22.92	22.85								
20	16QAM	50	24	22.75	22.90	22.75								
20	16QAM	50	50	22.61	22.72	22.70	23.5	0.5						
20	16QAM	100	0	22.62	22.69	22.61								
20	64QAM	1	0	22.86	23.05	22.91								
20	64QAM	1	49	22.79	22.95	22.87								
20	64QAM	1	99	22.79	22.95	22.80	22.5	1.5						
20	64QAM	50	0	21.82	21.95	21.79								
20	64QAM	50	24	21.78	21.79	21.74								
20	64QAM	50	50	21.73	21.85	21.72								
20	256QAM	1	0	19.80	19.94	19.88	20.5	3.5						
20	256QAM	1	49	19.79	19.95	19.83								
20	256QAM	1	99	19.77	19.85	19.78								
20	256QAM	50	0	19.76	19.87	19.82								
20	256QAM	50	24	19.77	19.90	19.74	20.5	3.5						
20	256QAM	50	50	19.70	19.74	19.71								
20	256QAM	100	0	19.62	19.74	19.65								
Channel														
Frequency (MHz)														
18	QPSK	1	0	23.05	23.13	23.07					24	0		
18	QPSK	1	37	22.99	22.99	22.99								
18	QPSK	1	74	22.84	22.90	22.87								
18	QPSK	36	0	22.94	23.01	22.85								
18	QPSK	36	25	22.82	22.86	22.88	24	0						
18	QPSK	36	39	22.84	22.95	22.75								
18	QPSK	75	0	22.77	22.99	22.79								
18	16QAM	1	0	22.82	22.86	22.84								
18	16QAM	1	37	22.81	22.87	22.85	24	0						
18	16QAM	1	74	22.66	22.76	22.68								
18	16QAM	36	0	22.70	22.81	22.75								
18	16QAM	36	25	22.68	22.69	22.62								
18	16QAM	36	39	22.62	22.68	22.62	23.5	0.5						
18	16QAM	75	0	22.49	22.53	22.50								
18	64QAM	1	0	22.74	22.90	22.77								
18	64QAM	1	37	22.70	22.77	22.68								
18	64QAM	1	74	22.70	22.62	22.65	22.5	1.5						
18	64QAM	36	0	21.74	21.85	21.85								
18	64QAM	36	25	21.62	21.68	21.64								
18	64QAM	36	39	21.68	21.75	21.55								
18	64QAM	75	0	21.65	21.54	21.60	20.5	3.5						
18	256QAM	1	0	19.76	19.85	19.80								
18	256QAM	1	37	19.75	19.79	19.79								
18	256QAM	1	74	19.67	19.70	19.73								
18	256QAM	36	0	19.68	19.87	19.80	20.5	3.5						
18	256QAM	36	25	19.69	19.87	19.80								
18	256QAM	36	39	19.67	19.70	19.61								
18	256QAM	75	0	19.65	19.68	19.65								
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.03	23.09	23.00	24	0						
10	QPSK	1	25	22.94	22.92	22.98								
10	QPSK	1	49	22.90	22.95	22.90								
10	QPSK	25	0	22.90	22.94	22.92								
10	QPSK	25	12	22.87	22.85	22.83	24	0						
10	QPSK	25	25	22.84	22.85	22.71								
10	QPSK	80	0	22.77	22.84	22.78								
10	16QAM	1	0	22.90	22.95	22.83								
10	16QAM	1	25	22.81	22.91	22.88	24	0						
10	16QAM	1	49	22.66	22.76	22.68								
10	16QAM	25	0	22.74	22.80	22.70								
10	16QAM	25	12	22.62	22.68	22.67								
10	16QAM	36	0	22.62	22.67	22.57	23.5	0.5						
10	16QAM	36	25	22.60	22.65	22.54								
10	64QAM	1	0	22.82	22.91	22.85								
10	64QAM	1	25	22.64	22.68	22.76								
10	64QAM	1	49	22.72	22.76	22.71	22.5	1.5						
10	64QAM	25	0	21.79	21.84	21.69								
10	64QAM	25	12	21.74	21.76	21.64								
10	64QAM	25	25	21.68	21.77	21.61								
10	64QAM	50	0	21.62	21.58	21.52	20.5	3.5						
10	256QAM	1	0	19.80	19.84	19.81								
10	256QAM	1	25	19.68	19.75	19.72								
10	256QAM	1	49	19.74	19.73	19.68								
10	256QAM	25	0	19.65	19.67	19.67	20.5	3.5						
10	256QAM	25	12	19.71	19.83	19.68								
10	256QAM	25	25	19.65	19.61	19.60								
10	256QAM	50	0	19.65	19.67	19.63								
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.13	23.07	23.10	24	0						
5	QPSK	1	12	22.95	22.92	23.00								
5	QPSK	1	24	22.86	22.90	22.95								
5	QPSK	12	0	22.86	23.04	22.95								
5	QPSK	12	7	22.88	23.00	22.84	24	0						
5	QPSK	12	13	22.77	22.88	22.79								
5	QPSK	25	0	22.77	22.81	22.78								
5	16QAM	1	0	22.88	23.04	22.89								
5	16QAM	1	12	22.88	22.90	22.87	24	0						
5	16QAM	1	24	22.67	22.77	22.73								
5	16QAM	12	0	22.70	22.84	22.73								
5	16QAM	12	7	22.71	22.70	22.63								
5	16QAM	12	13	22.60	22.60	22.57	23.5	0.5						
5	16QAM	25	0	22.65	22.62	22.61								
5	64QAM	1	0	22.78	22.98	22.88								
5	64QAM	1	12	22.71	22.81	22.81								
5	64QAM	1	24	22.65	22.69	22.76	22.5	1.5						
5	64QAM	12	0	21.78	21.84	21.70								
5	64QAM	12	7	21.70	21.65	21.70								
5	64QAM	12	13	21.68	21.70	21.68								
5	64QAM	25	0	21.60	21.64	21.60	20.5	3.5						
5	256QAM	1	0	19.75	19.86	19.88								
5	256QAM	1	12	19.71	19.82	19.75								
5	256QAM	1	24	19.68	19.75	19.74								
5	256QAM	12	0	19.76	19.85	19.84	20.5	3.5						
5	256QAM	12	7	19.68	19.78	19.5								
5	256QAM	12	13	19.61	19.61	19.61								
5	256QAM	25	0	19.67	19.64	19.64								
Channel														
Frequency (MHz)														
3	QPSK	1	0	23.07	23.03	23.05	24	0						
3	QPSK	1	6	23.02	23.15	23.13								
3	QPSK	1	12	22.95	22.92	23.00								
3	QPSK	1	18	22.88	22.90	22.92								
3	QPSK	1	14	22.94	22.93	22.90	24	0						
3	QPSK	8	0	22.94	23.05	22.98								
3	QPSK	8	7	22.87	22.97	22.92								
3	QPSK	8	7	22.75	22.84	22.78								
3	16QAM	1	0	22.83	22.98	22.85	24	0						
3	16QAM	1	6	22.84	23.03	22.98								
3	16QAM	8	0	22.89	22.95	22.87								
3	16QAM	8	7	22.77	22.75	22.66								
3	16QAM	1	14	22.77	22.75	22.66	23.5	0.5						
3	16QAM	1	14	22.72	22.72	22.63								
3	16QAM	8	0	22.65	22.65	22.57								
3	16QAM	8	7	22.57	22.48	22.60								
3	16QAM	1	0	22.75	22.92	22.80	22.5	1.5						
3	16QAM	1	6	22.66	22.91	22.78								
3	16QAM	8	0	22.78	22.72	22.63								
3	16QAM	8	7	21.76	21.87	21.68								
3	64QAM	1	0	21.67	21.66	21.62	22.5	1.5						
3	64QAM	1	6	21.69	21.76	21.68								
3	64QAM	8	0	21.63	21.53	21.62								
3	64QAM	8	7	21.59	21.56	21.52								
3	64QAM	1	0	21.76	21.96	21.87	20.5	3.5						
3	64QAM	1	6	21.69	21.82	21.74								
3	64QAM	8	0	21.63	21.53	21.62								
3	64QAM	8	7	21.59	21.56	21.52								
3	256QAM	1	0	19.73	19.78	19.78	20.5	3.5						
3	256QAM	1	6	19.71	19.78	19.80								
3	256QAM	1	12	19.69	19.73	19.73								
3	256QAM	1	18	19.73	19.83	19.73								
3	256QAM	8	0	19.69	19.78	19.67								
3	256QAM	8	7	19.66	19.71	19.60								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	23.12	23.12	23.16	24	0						
1.4	QPSK	1	6	22.98	22.97	23.00								
1.4	QPSK	1	6	22.93	23.03	23.00								
1.4	QPSK	1	6	22.85	23.09	22.97								
1.4	QPSK	3	0	22.81	22.94	22.92	24	0						
1.4	QPSK	3	6	22.81	23.04	22.71								
1.4	QPSK	3	6	22.77	22.88	22.78								
1.4	QPSK	3	6	22.92	23.04	23.03								
1.4	16QAM	1	0	22.86	23.00	22.81	24	0						
1.4	16QAM	1	6	22.80	22.99	22.81								
1.4	16QAM	3	0	22.78	22.89	22.78								
1.4	16QAM	3	6	22.85	22.95	22.84								
1.4	16QAM	6	0	22.72	22.82	22.72	23.5	0.5						
1.4	16QAM	6	6	22.57	22.62	22.57								
1.4	16QAM	6	6	22.67	22.65	22.62								
1.4	16QAM	6	6	22.70	22.67	22.63								
1.4	16QAM	1	0	22.67	22.86	22.64	22.5	1.5						
1.4	16QAM	1	6	22.72	22.81	22.73								
1.4	16QAM	3	0	21.68	21.91	21.63								
1.4	16QAM	3	6	21.73	21.83	21.73								
1.4	64QAM	1	0	19.79	19.93	19.87	20.5	3.5						
1.4	64QAM	1	6	19.71	19.78	19.80								
1.4	64QAM	1	12	19.73	19.83	19.73								
1.4	64QAM	1	18	19.79	19.87	19.79								
1.4	64QAM	3</												



Band 66 DS13_ Standalone Ant 0													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 150072	Power Middle Ch./Freq. 150222	Power High Ch./Freq. 150372	Time-up (ms)	MPE (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	22.71	22.71	22.83	23.5	0					
20	QPSK	1	48	22.81	22.73	22.86							
20	QPSK	1	96	22.87	22.70	22.86							
20	QPSK	50	0	22.85	22.73	22.85							
20	QPSK	50	24	22.93	22.86	22.87	23.5	0					
20	QPSK	50	50	22.96	22.80	22.98							
20	QPSK	100	0	22.98	22.85	22.81							
20	16QAM	1	0	22.82	22.81	22.86							
20	16QAM	1	48	22.93	22.89	22.95	23.5	0					
20	16QAM	1	96	22.83	22.81	22.95							
20	16QAM	50	0	22.84	22.86	22.83							
20	16QAM	50	24	22.43	22.85	22.81							
20	16QAM	50	50	22.87	22.86	22.98	23.5	0					
20	16QAM	100	0	22.92	22.90	22.93							
20	64QAM	1	0	22.43	22.80	22.96							
20	64QAM	1	48	22.49	22.95	22.94							
20	64QAM	1	96	22.47	22.95	22.91	22.5	0					
20	64QAM	50	0	21.99	21.90	21.71							
20	64QAM	50	24	21.83	21.77	21.77							
20	64QAM	50	50	21.83	21.75	21.81							
20	256QAM	100	0	21.57	21.62	21.58	20.5	3					
20	256QAM	1	0	18.86	18.87	18.85							
20	256QAM	1	48	18.89	18.82	18.84							
20	256QAM	1	96	18.81	18.84	18.83							
20	256QAM	50	0	18.84	18.86	18.86	20.5	3					
20	256QAM	50	24	18.78	18.80	18.74							
20	256QAM	50	50	18.89	18.77	18.73							
20	256QAM	100	0	18.73	18.70	18.70							
Channel													
Frequency (MHz)													
15	QPSK	1	0	22.58	22.69	22.52	23.5	0					
15	QPSK	1	37	22.84	22.81	22.87							
15	QPSK	1	74	22.82	22.80	22.49							
15	QPSK	36	0	22.55	22.66	22.59							
15	QPSK	36	24	22.36	22.40	22.47	23.5	0					
15	QPSK	36	39	22.50	22.56	22.47							
15	QPSK	75	0	22.61	22.66	22.48							
15	16QAM	1	1	22.56	22.48	22.42							
15	16QAM	1	37	22.45	22.51	22.49	23.5	0					
15	16QAM	1	74	22.51	22.57	22.46							
15	16QAM	36	0	22.42	22.58	22.48							
15	16QAM	36	24	22.28	22.57	22.49							
15	16QAM	36	39	22.49	22.47	22.47	23.5	0					
15	16QAM	75	0	22.45	22.48	22.47							
15	64QAM	1	0	22.32	22.50	22.47							
15	64QAM	1	37	22.38	22.42	22.47							
15	64QAM	1	74	22.34	22.51	22.43	22.5	1					
15	64QAM	36	0	21.59	21.86	21.61							
15	64QAM	36	24	21.51	21.80	21.67							
15	64QAM	36	39	21.50	21.92	21.52							
15	64QAM	75	0	21.48	21.80	21.51	20.5	3					
15	256QAM	1	0	18.75	18.80	18.80							
15	256QAM	1	37	18.82	18.80	18.79							
15	256QAM	1	74	18.75	18.79	18.77							
15	256QAM	36	0	18.80	18.85	18.86	20.5	3					
15	256QAM	36	24	18.73	18.75	18.80							
15	256QAM	36	39	18.88	18.89	18.83							
15	256QAM	75	0	18.83	18.81	18.78							
Channel													
Frequency (MHz)													
10	QPSK	1	0	22.63	22.62	22.43	23.5	0					
10	QPSK	1	25	22.57	22.65	22.59							
10	QPSK	1	49	22.60	22.64	22.55							
10	QPSK	25	0	22.61	22.64	22.58							
10	QPSK	25	12	22.37	22.49	22.43	23.5	0					
10	QPSK	25	25	22.45	22.63	22.44							
10	QPSK	50	0	22.49	22.67	22.46							
10	16QAM	1	0	22.50	22.59	22.39							
10	16QAM	1	25	22.42	22.56	22.50	23.5	0					
10	16QAM	1	49	22.54	22.66	22.45							
10	16QAM	25	0	22.47	22.50	22.52							
10	16QAM	25	12	22.38	22.52	22.49							
10	16QAM	50	0	22.47	22.55	22.51	23.5	0					
10	16QAM	50	0	22.42	22.39	22.38							
10	64QAM	1	0	22.34	22.52	22.41							
10	64QAM	1	25	22.36	22.46	22.44							
10	64QAM	1	49	22.32	22.54	22.39	22.5	1					
10	64QAM	25	0	21.56	21.75	21.61							
10	64QAM	25	12	21.50	21.48	21.49							
10	64QAM	25	25	21.54	21.87	21.87							
10	64QAM	50	0	21.42	21.52	21.44	20.5	3					
10	256QAM	1	0	18.78	18.80	18.81							
10	256QAM	1	25	18.79	18.82	18.80							
10	256QAM	1	49	18.73	18.70	18.77							
10	256QAM	25	0	18.71	18.87	18.74	20.5	3					
10	256QAM	25	12	18.75	18.81	18.83							
10	256QAM	25	25	18.80	18.82	18.82							
10	256QAM	50	0	18.63	18.67	18.53							
Channel													
Frequency (MHz)													
5	QPSK	1	0	22.63	22.62	22.43	23.5	0					
5	QPSK	1	12	22.50	22.60	22.55							
5	QPSK	1	24	22.55	22.61	22.54							
5	QPSK	12	0	22.51	22.58	22.53							
5	QPSK	12	7	22.42	22.57	22.48	23.5	0					
5	QPSK	12	13	22.50	22.55	22.53							
5	QPSK	25	0	22.61	22.60	22.47							
5	16QAM	1	0	22.50	22.58	22.42							
5	16QAM	1	12	22.48	22.53	22.49	23.5	0					
5	16QAM	1	24	22.53	22.45	22.52							
5	16QAM	12	0	22.41	22.52	22.46							
5	16QAM	12	7	22.39	22.56	22.50							
5	16QAM	12	13	22.47	22.50	22.52	23.5	0					
5	16QAM	25	0	22.40	22.39	22.38							
5	64QAM	1	0	22.30	22.46	22.44							
5	64QAM	1	12	22.39	22.48	22.43							
5	64QAM	1	24	22.44	22.60	22.47	22.5	1					
5	64QAM	12	0	21.63	21.80	21.61							
5	64QAM	12	7	21.61	21.67	21.70							
5	64QAM	12	13	21.58	21.67	21.56							
5	64QAM	25	0	21.51	21.83	21.50	20.5	3					
5	256QAM	1	0	18.78	18.80	18.88							
5	256QAM	1	12	18.77	18.84	18.80							
5	256QAM	1	24	18.71	18.76	18.76							
5	256QAM	12	0	18.72	18.83	18.71	20.5	3					
5	256QAM	12	7	18.73	18.72	18.69							
5	256QAM	12	13	18.65	18.66	18.61	20.5	3					
5	256QAM	25	0	18.62	18.61	18.61							
Channel													
Frequency (MHz)													
3	QPSK	1	0	22.57	22.71	22.58	23.5	0					
3	QPSK	1	14	22.62	22.68	22.47							
3	QPSK	8	0	22.54	22.63	22.51							
3	QPSK	8	7	22.52	22.62	22.48							
3	QPSK	8	7	22.46	22.49	22.48	23.5	0					
3	QPSK	16	0	22.48	22.63	22.53							
3	QPSK	16	7	22.46	22.61	22.48							
3	16QAM	1	0	22.43	22.50	22.45							
3	16QAM	1	14	22.51	22.57	22.45	23.5	0					
3	16QAM	1	28	22.57	22.55	22.60							
3	16QAM	8	0	22.37	22.55	22.52							
3	16QAM	8	7	22.45	22.52	22.50							
3	16QAM	8	7	22.45	22.52	22.50	23.5	0					
3	16QAM	16	0	22.32	22.53	22.48							
3	16QAM	1	8	22.40	22.42	22.48							
3	16QAM	1	21	21.51	21.60	21.70							
3	16QAM	1	42	21.51	21.55	21.61	22.5	1					
3	16QAM	16	0	21.75	18.99	18.94							
3	16QAM	16	7	18.73	18.88	18.79							
3	16QAM	1	14	18.74	18.81	18.70							
3	16QAM	1	28	18.75	18.86	18.78	20.5	3					
3	16QAM	8	0	18.75	18.75	18.86							
3	16QAM	8	7	18.60	18.72	18.60							
3	16QAM	8	14	18.60	18.60	18.63							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	22.57	22.69	22.59	23.5	0					
1.4	QPSK	1	7	22.49	22.49	22.49							
1.4	QPSK	1	8	22.61	22.55	22.48							
1.4	QPSK	3	0	22.51	22.60	22.54							
1.4	QPSK	3	7	22.43	22.43	22.43	23.5	0					
1.4	QPSK	3	8	22.51	22.55	22.54							
1.4	QPSK	3	15	22.52	22.52	22.52							
1.4	QPSK	3	16	22.59	22.53	22.53							
1.4	16QAM	1	0	22.47	22.45	22.49	23.5	0					
1.4	16QAM	1	7	22.47	22.47	22.47							
1.4	16QAM	3	0	22.44	22.53	22.45							
1.4	16QAM	3	1	22.34	22.42	22.38							
1.4	16QAM	3	7	22.37	22.47	22.33	23.5	0					
1.4	16QAM	3	8	22.43	22.47	22.43							
1.4	16QAM	1	0	22.36	22.55	22.48							
1.4	16QAM	1	7	22.47	22.47	22.47							
1.4	16QAM	1	8	22.42	22.56	22.38	23.5	0					
1.4	16QAM	3	0	22.36	22.40	22.48							
1.4	16QAM	3	7	22.45	22.39	22.44							
1.4	16QAM	3	8	21.66	21.70	21.67							
1.4	16QAM	3	15	21.67	21.80	21.78	22.5	1					
1.4	16QAM	3	16	21.78	21.86	21.79							
1.4	16QAM	1	0	18.76	18.80	18.80							
1.4	16QAM	1	7	18.78	18.86	18.79							
1.4	16QAM	3	1	18.74	18.79	18.80	20.5	3					
1.4	16QAM	3	8	18.76	18.86	18.78							
1.4	16QAM	3	15	18.80	18.80	18.80							
1.4	16QAM	3	16	18.94	18.98	18.80							



Band 38 Default 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				37850	38000	38150							
Frequency (MHz)				24.98	25.02	25.02							
20	QPSK	1	0	20.87	20.89	20.90	22	0					
20	QPSK	1	49	20.46	20.43	20.40							
20	QPSK	1	89	20.47	20.43	20.40							
20	QPSK	50	0	20.47	20.50	20.53							
20	QPSK	50	24	20.36	20.50	20.42	22	0					
20	QPSK	50	50	20.33	20.36	20.33							
20	QPSK	100	0	20.37	20.52	20.33							
20	16QAM	1	0	20.46	20.57	20.39							
20	16QAM	1	49	20.38	20.45	20.33	22	0					
20	16QAM	1	99	20.29	20.33	20.40							
20	16QAM	50	0	20.06	20.03	20.04							
20	16QAM	50	24	20.10	20.06	20.05							
20	16QAM	50	50	19.87	20.03	19.96	21.5	0.5					
20	16QAM	100	0	19.82	20.01	19.80							
20	64QAM	1	0	20.03	20.25	20.03							
20	64QAM	1	49	19.94	20.04	20.10							
20	64QAM	1	99	20.10	20.01	20.00	21.5	0.5					
20	64QAM	50	0	19.86	20.04	19.95							
20	64QAM	50	24	19.83	19.80	19.89							
20	64QAM	50	50	19.82	19.89	19.83							
20	64QAM	100	0	19.85	19.88	19.79	20.5	1.5					
20	256QAM	1	0	17.91	18.08	17.94							
20	256QAM	1	49	17.82	18.06	17.82							
20	256QAM	1	99	17.86	17.85	17.87							
20	256QAM	50	0	17.84	18.06	17.87	19.5	3.5					
20	256QAM	50	24	17.90	17.95	17.90							
20	256QAM	50	50	17.77	17.87	17.81							
20	256QAM	100	0	17.81	18.03	17.86							
Channel				37850	38000	38150							
Frequency (MHz)				21.72	21.75	21.75							
15	QPSK	1	0	20.50	20.50	20.47	22	0					
15	QPSK	1	37	20.29	20.36	20.42							
15	QPSK	1	74	20.40	20.36	20.23							
15	QPSK	36	0	20.30	20.38	20.27							
15	QPSK	36	20	20.24	20.39	20.31	22	0					
15	QPSK	36	50	20.34	20.35	20.35							
15	QPSK	75	0	20.31	20.39	20.25							
15	16QAM	1	0	20.31	20.44	20.29							
15	16QAM	1	37	20.37	20.37	20.27	22	0					
15	16QAM	1	74	20.25	20.23	20.33							
15	16QAM	36	0	19.95	20.20	19.88							
15	16QAM	36	20	19.82	19.35	19.35							
15	16QAM	36	39	19.79	19.63	19.63	21.5	0.5					
15	16QAM	75	0	19.83	19.69	19.66							
15	64QAM	1	0	19.94	20.23	19.89							
15	64QAM	1	37	19.77	19.97	20.07							
15	64QAM	1	74	20.01	19.95	19.95	21.5	0.5					
15	64QAM	36	0	19.77	20.01	19.87							
15	64QAM	36	20	19.73	19.86	19.85							
15	64QAM	36	39	19.74	19.74	19.75							
15	64QAM	75	0	19.75	19.85	19.75	18.5	3.5					
15	256QAM	1	37	17.73	17.82	17.72							
15	256QAM	1	74	17.73	17.82	17.72							
15	256QAM	36	0	17.83	18.00	17.82							
15	256QAM	36	20	17.86	17.77	17.85	18.5	3.5					
15	256QAM	36	39	17.84	17.77	17.71							
15	256QAM	75	0	17.79	17.89	17.87							
15	256QAM	75	0	17.79	17.89	17.87							
Channel				37850	38000	38200							
Frequency (MHz)				21.75	21.75	21.75							
10	QPSK	1	0	20.43	20.43	20.40	22	0					
10	QPSK	1	25	20.31	20.39	20.41							
10	QPSK	1	49	20.35	20.26	20.34							
10	QPSK	25	0	20.37	20.43	20.39							
10	QPSK	25	12	20.24	20.40	20.30	22	0					
10	QPSK	25	25	20.17	20.25	20.22							
10	QPSK	50	0	20.34	20.42	20.35							
10	16QAM	1	0	20.32	20.41	20.25							
10	16QAM	1	25	20.22	20.33	20.29	22	0					
10	16QAM	1	49	20.16	20.17	20.31							
10	16QAM	25	0	20.04	20.20	19.98							
10	16QAM	25	12	20.04	19.93	19.92							
10	16QAM	50	0	19.86	20.04	19.84	21.5	0.5					
10	64QAM	1	0	19.89	20.09	20.01							
10	64QAM	1	25	19.82	20.01	20.01							
10	64QAM	1	49	20.06	19.83	20.04							
10	64QAM	25	0	19.81	20.00	19.81	21.5	0.5					
10	64QAM	25	12	19.71	19.85	19.78							
10	64QAM	25	25	19.74	19.71	19.75							
10	64QAM	50	0	19.80	19.83	19.72							
10	256QAM	1	0	17.81	18.03	17.84	18.5	3.5					
10	256QAM	1	25	17.73	17.87	17.81							
10	256QAM	1	49	17.71	17.75	17.75							
10	256QAM	25	0	17.84	17.83	17.84							
10	256QAM	25	12	17.86	17.81	17.85	18.5	3.5					
10	256QAM	25	25	17.89	17.82	17.85							
10	256QAM	50	0	17.85	17.86	17.84							
10	256QAM	50	0	17.85	17.86	17.84							
Channel				37750	38000	38220							
Frequency (MHz)				20.75	20.80	20.15							
5	QPSK	1	0	20.06	20.01	20.30	22	0					
5	QPSK	1	12	20.31	20.32	20.37							
5	QPSK	1	24	20.44	20.39	20.33							
5	QPSK	12	0	20.39	20.46	20.40							
5	QPSK	12	7	20.24	20.42	20.30	22	0					
5	QPSK	12	13	20.11	20.29	20.18							
5	QPSK	25	0	20.20	20.29	20.20							
5	16QAM	1	0	20.31	20.44	20.23							
5	16QAM	1	12	20.28	20.39	20.15	22	0					
5	16QAM	1	24	20.16	20.29	20.20							
5	16QAM	12	0	19.93	20.17	19.96							
5	16QAM	12	7	19.97	19.82	20.00							
5	16QAM	12	13	19.77	19.93	19.80	21.5	0.5					
5	16QAM	25	0	19.82	19.86	19.93							
5	64QAM	1	0	19.94	20.12	20.00							
5	64QAM	1	12	19.89	19.86	20.00							
5	64QAM	1	24	19.95	19.91	19.99	21.5	0.5					
5	64QAM	12	0	19.78	19.89	19.81							
5	64QAM	12	7	19.76	19.78	19.75							
5	64QAM	12	13	19.72	19.78	19.71							
5	256QAM	1	0	17.83	18.01	17.80	18.5	3.5					
5	256QAM	1	12	17.74	18.03	17.82							



Band 41 PC2 FCC&IC Ant 0																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid-Mid Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)	MPR (dB)							
Channel																
Frequency (MHz)																
20	QPSK	1	0	23.54	23.56	23.60	23.60	23.44	24.6	0	23	0				
20	QPSK	1	49	23.42	23.24	23.53	23.35	23.37								
20	QPSK	50	0	23.50	23.38	23.50	23.38	23.50								
20	QPSK	50	24	23.29	23.21	23.43	23.25	23.13								
20	QPSK	50	50	23.67	23.57	23.56	23.30	23.02	24.6	0	23	0				
20	16QAM	1	0	23.51	23.48	23.57	23.51	23.43								
20	16QAM	1	49	23.29	23.24	23.51	23.45	23.27								
20	16QAM	1	99	23.33	23.31	23.42	23.40	23.21								
20	16QAM	50	0	23.28	23.18	23.34	23.29	23.12	24.6	0	22.5	0.5				
20	16QAM	50	24	23.14	23.00	23.10	23.12	22.92								
20	64QAM	1	0	23.16	23.15	23.25	23.13	23.04								
20	64QAM	1	49	23.04	23.16	23.06	23.12	22.92								
20	64QAM	50	0	23.26	23.22	23.38	23.20	23.14	24	0.6	21.5	1.5				
20	64QAM	50	24	23.15	23.14	23.27	23.19	23.03								
20	64QAM	50	50	23.14	23.10	23.21	23.15	23.06								
20	64QAM	100	0	23.11	23.17	23.23	23.22	23.02								
20	256QAM	1	0	21.51	21.42	21.55	21.46	21.20	22	2.6	19	4				
20	256QAM	1	49	21.54	21.49	21.60	21.45	21.30								
20	256QAM	1	99	21.24	21.37	21.38	21.38	21.28								
20	256QAM	50	0	21.36	21.31	21.42	21.35	21.24								
20	256QAM	50	24	21.22	21.16	21.29	21.24	21.04								
20	256QAM	50	50	21.14	21.12	21.21	21.20	21.05								
20	256QAM	100	0	21.32	21.30	21.39	21.35	21.16								
Channel																
Frequency (MHz)																
15	QPSK	1	0	23.51	23.44	23.43	23.44	23.45	24.60	0	23	0				
15	QPSK	1	37	23.29	23.20	23.55	23.23	23.33								
15	QPSK	1	74	23.14	23.24	23.29	23.29	23.20								
15	QPSK	36	0	23.26	23.28	23.41	23.08	23.01								
15	QPSK	36	20	23.22	23.15	23.40	23.20	23.07	24.6	0	23	0				
15	QPSK	75	0	23.26	23.07	23.24	23.19	23.15								
15	16QAM	1	0	23.40	23.35	23.50	23.43	23.31								
15	16QAM	1	37	23.24	23.23	23.29	23.26	23.19								
15	16QAM	1	74	23.29	23.20	23.33	23.42	23.11	24.6	0	22.5	0.5				
15	16QAM	36	0	23.24	23.05	23.25	23.21	22.99								
15	16QAM	36	20	23.13	23.05	23.10	23.01	22.91								
15	16QAM	36	39	23.11	22.90	23.03	23.08	22.85								
15	16QAM	75	0	23.16	23.18	23.26	23.08	23.11	24.6	0	22.5	0.5				
15	64QAM	1	0	23.04	23.10	23.18	23.10	22.95								
15	64QAM	1	37	22.96	23.00	22.99	23.06	22.81								
15	64QAM	1	74	23.01	23.05	23.06	22.98	22.99								
15	64QAM	36	0	23.19	23.18	23.35	23.05	23.05	24	0.6	21.5	1.5				
15	64QAM	36	20	23.05	22.99	23.22	23.15	22.97								
15	64QAM	36	39	23.04	23.03	23.15	23.15	22.92								
15	64QAM	75	0	23.04	23.03	23.05	23.15	22.92								
15	256QAM	1	0	21.43	21.30	21.51	21.39	21.22	22	2.6	19	4				
15	256QAM	1	37	21.42	21.37	21.38	21.38	21.15								
15	256QAM	1	74	21.20	21.26	21.32	21.23	21.10								
15	256QAM	36	0	21.24	21.17	21.34	21.25	21.11								
15	256QAM	36	20	21.08	21.12	21.11	21.15	21.09	22	2.6	19	4				
15	256QAM	36	39	21.10	21.08	21.07	21.09	20.98								
15	256QAM	75	0	21.21	21.12	21.31	21.06	21.07								
15	256QAM	75	0	21.21	21.12	21.31	21.06	21.07								
Channel																
Frequency (MHz)																
10	QPSK	1	0	23.46	23.44	23.44	23.44	23.45	24.60	0	23	0				
10	QPSK	1	25	23.35	23.14	23.53	23.27	23.24								
10	QPSK	1	49	23.09	23.33	23.28	23.29	23.24								
10	QPSK	25	0	23.46	23.35	23.47	23.02	23.05								
10	QPSK	25	12	23.25	23.07	23.32	23.18	23.10	24.6	0	23	0				
10	QPSK	25	25	22.98	23.14	23.13	23.20	22.94								
10	QPSK	50	0	23.21	23.07	23.24	23.10	23.11								
10	16QAM	1	0	23.43	23.42	23.46	23.40	23.41								
10	16QAM	1	49	23.22	23.22	23.46	23.43	23.23	24.6	0	22.5	0.5				
10	16QAM	1	99	23.19	23.22	23.31	23.40	23.15								
10	16QAM	25	0	23.18	23.12	23.26	23.14	22.99								
10	16QAM	25	12	23.14	23.12	23.17	23.09	23.09								
10	16QAM	25	25	23.08	23.00	23.08	23.00	22.92	24.6	0	22.5	0.5				
10	16QAM	50	0	23.19	23.18	23.22	23.03	23.19								
10	64QAM	1	0	23.09	23.04	23.12	23.05	23.01								
10	64QAM	1	25	23.00	23.01	23.02	23.01	22.98								
10	64QAM	1	49	23.01	22.95	23.00	22.95	22.92	24.6	0	22.5	0.5				
10	64QAM	25	0	23.21	23.08	23.20	23.15	23.03								
10	64QAM	25	12	23.05	23.10	23.24	23.09	22.98								
10	64QAM	25	25	23.02	22.97	23.20	23.08	22.96								
10	64QAM	50	0	22.97	23.07	23.10	23.18	22.88	24	0.6	21.5	1.5				
10	256QAM	1	0	21.47	21.39	21.54	21.36	21.18								
10	256QAM	1	25	21.51	21.26	21.47	21.39	21.25								
10	256QAM	1	49	21.14	21.20	21.35	21.30	21.22								
10	256QAM	25	0	21.28	21.21	21.36	21.32	21.20	22	2.6	19	4				
10	256QAM	25	12	21.06	21.04	21.20	21.17	20.94								
10	256QAM	25	25	20.99	21.07	21.13	21.12	20.96								
10	256QAM	50	0	21.28	21.16	21.27	21.11	21.02								
Channel																
Frequency (MHz)																
5	QPSK	1	0	23.51	23.49	23.45	23.36	23.37	24.60	0	23	0				
5	QPSK	1	12	23.36	23.21	23.51	23.26	23.33								
5	QPSK	1	24	23.15	23.33	23.30	23.25	23.30								
5	QPSK	12	0	23.35	23.27	23.47	23.08	23.06								
5	QPSK	12	7	23.27	23.14	23.14	23.15	23.07	24.6	0	23	0				
5	16QAM	1	0	23.40	23.40	23.50	23.39	23.29								
5	16QAM	1	12	23.41	23.38	23.49	23.33	23.15								
5	16QAM	1	24	23.21	23.25	23.29	23.39	23.28								
5	16QAM	12	7	23.12	23.18	23.10	23.20	23.11	24.6	0	22.5	0.5				
5	16QAM	12	7	23.10	23.10	23.10	23.30	23.06								
5	16QAM	12	13	23.10	23.04	23.05	23.02	23.02								
5	16QAM	25	0	23.04	23.04	23.19	23.06	22.93								
5	64QAM	1	0	23.11	23.05	23.02	23.04	23.02	24.6	0	22.5	0.5				
5	64QAM	1	12	23.02	23.02	23.02	23.02	23.01								
5	64QAM	1	24	23.03	23.07	23.07	23.07	23.01								
5	64QAM	12	0	23.18	23.14	23.27	23.07	23.06								
5	64QAM	12	7	23.08	23.08	23.15	23.10	22.99	24	0.6	21.5	1.5				
5	64QAM	12	13	23.08	23.11	23.11	23.18	22.98								
5	64QAM	25	0	23.48	23.34	23.36	23.41	23.22								
5	256QAM	1	0	21.48	21.26	21.48	21.37	21.21								
5	256QAM	1	24	21.19	21.30	21.32	21.28	21.22	22	2.6	19	4				
5	256QAM	1	49	21.14	21.24	21.34	21.29	21.19								
5	256QAM	12	7	21.19	21.07	21.22	21.20	20.93								
5	256QAM	12	13	21.08	21.06	21.15	21.16	20.86								
5	256QAM	25	0	21.24	21.16	21.27	21.12	21.02								
5	256QAM	25	25	21.07	21.07	21.12	21.12	20.96								



GSM900 Ant				Default			
Base		Slope		Slope		Slope	
TX Channel	198	198	201	Limit	198	199	201
Frequency (MHz)	894.2	895.6	896.8	(dBm)	894.2	895.6	896.8
OPRM-1 Tx-Mile	31.42	31.48	31.36	32.00	22.42	22.48	22.36
OPRM-1 Tx-Mile	31.42	31.48	31.36	32.00	22.42	22.48	22.36
OPRM-2 Tx-Mile	28.27	28.30	28.32	28.00	22.27	22.29	22.30
OPRM-3 Tx-Mile	26.80	26.91	26.80	28.00	22.54	22.55	22.54
OPRM-4 Tx-Mile	25.16	25.22	25.17	28.00	22.16	22.22	22.17
EDGE-1 Tx-Mile	24.03	24.17	24.05	28.00	18.03	18.17	18.05
EDGE-2 Tx-Mile	22.20	22.41	22.34	23.00	15.20	15.41	15.34
EDGE-3 Tx-Mile	21.15	21.23	21.08	22.00	15.09	15.07	15.02
EDGE-4 Tx-Mile	19.50	19.00	18.03	20.00	15.09	15.08	15.00
GSM1900 Ant				Default			
Base		Slope		Slope		Slope	
TX Channel	514	560	590	Limit	514	560	590
Frequency (MHz)	1850.2	1860	1869.8	(dBm)	1850.2	1860	1869.8
OPRM-1 Tx-Mile	27.62	27.63	27.63	28.00	18.62	18.74	18.63
OPRM-1 Tx-Mile	27.62	27.63	27.63	28.00	18.52	18.67	18.57
OPRM-2 Tx-Mile	25.06	25.00	24.98	28.00	19.06	19.09	18.98
OPRM-3 Tx-Mile	23.36	23.42	23.32	24.00	19.10	19.18	19.08
OPRM-4 Tx-Mile	20.62	20.74	20.63	21.00	17.62	17.74	17.63
EDGE-1 Tx-Mile	12.76	12.86	12.72	20.00	13.76	13.86	13.72
EDGE-2 Tx-Mile	21.13	21.22	21.13	22.00	15.13	15.22	15.13
EDGE-3 Tx-Mile	14.86	14.90	14.80	21.00	15.86	15.75	15.74
EDGE-4 Tx-Mile	17.01	16.00	17.07	19.00	14.91	15.00	14.97
Default WCDMA U Ant				Default WCDMA U Ant			
Base		Slope		Slope		Slope	
TX Channel	5052	5600	5658	Limit	5052	5600	5658
Frequency (MHz)	1852.4	1860	1867.6	(dBm)	1712.4	1752.6	1752.6
SCPP-Base	21.45	21.55	21.44	22.00	21.42	21.44	21.31
SCPP-Base	21.45	21.55	21.51	22.00	21.45	21.50	21.37
SCPP-Base	20.85	20.64	20.47	21.00	20.48	20.57	20.32
SCPP-Base	20.48	20.51	20.52	21.00	20.42	20.50	20.41
SCPP-Base	20.02	20.14	20.10	21.00	19.91	20.02	19.95
SCPP-Base	19.56	20.14	20.06	21.00	19.87	20.11	20.04
SCPP-Base	20.50	20.70	20.45	21.00	20.46	20.63	20.35
SCPP-Base	20.37	20.42	20.36	21.00	20.33	20.28	20.28
SCPP-Base	19.09	19.96	19.92	21.00	19.84	19.84	19.86
SCPP-Base	19.87	19.84	19.89	21.00	19.82	19.80	19.83
SCPP-Base	20.96	20.61	20.60	21.00	20.43	20.58	20.50
SCPP-Base	18.53	18.67	18.52	19.00	18.42	18.39	18.40
SCPP-Base	18.13	18.06	18.08	20.00	18.13	18.47	18.40
SCPP-Base	18.45	18.49	18.44	19.00	18.37	18.45	18.35
SCPP-Base	20.59	20.49	20.39	21.00	20.55	20.38	20.33



Band 2 Default Ant 1									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Mod Ch./F.Freq.	Power Hsp Ch./F.Freq.	Power Hsp Ch./F.Freq.	Turn-up Time (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.50	21.00	20.50	22	0	
20	QPSK	1	49	20.50	21.04	20.50			
20	QPSK	1	99	20.50	21.04	20.50	22	0	
20	QPSK	50	0	20.50	21.04	20.50			
20	QPSK	50	24	20.50	20.99	20.50	22	0	
20	QPSK	100	0	20.50	20.99	20.50			
20	QPSK	100	49	20.50	20.99	20.50	22	0	
20	QPSK	150	0	20.50	20.99	20.50			
20	QPSK	150	49	20.50	20.99	20.50	21.5	0.5	
20	QPSK	190	0	20.50	20.97	20.50			
20	QPSK	190	49	20.50	20.97	20.50	21.5	0.5	
20	QPSK	230	0	20.50	20.97	20.50			
20	QPSK	230	49	20.50	20.97	20.50	20.5	1.5	
20	QPSK	270	0	19.77	19.78	19.69			
20	QPSK	270	49	19.77	19.83	19.69	18.5	3.5	
20	QPSK	310	0	19.86	19.91	19.80			
20	QPSK	310	49	19.86	19.96	19.80	18.5	3.5	
20	QPSK	350	0	17.88	17.98	17.88			
20	QPSK	350	49	17.73	17.83	17.88	18.5	3.5	
20	QPSK	390	0	17.75	17.81	17.69			
20	QPSK	390	49	17.81	17.87	17.74	18.5	3.5	
20	QPSK	430	0	17.81	17.87	17.74			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.67	18.68	18.63	22	0	
15	QPSK	1	49	20.58	21.00	20.50			
15	QPSK	1	99	20.58	21.00	20.50	22	0	
15	QPSK	36	0	20.53	21.00	20.57			
15	QPSK	36	49	20.53	20.99	20.57	22	0	
15	QPSK	72	0	20.53	20.99	20.57			
15	QPSK	72	49	20.53	20.98	20.57	22	0	
15	QPSK	108	0	20.53	20.98	20.57			
15	QPSK	108	49	20.53	20.97	20.57	22	0	
15	QPSK	144	0	20.58	20.94	20.71			
15	QPSK	144	49	20.58	20.94	20.71	21.5	0.5	
15	QPSK	180	0	20.58	20.94	20.71			
15	QPSK	180	49	20.58	20.93	20.71	21.5	0.5	
15	QPSK	216	0	20.64	20.84	20.69			
15	QPSK	216	49	20.64	20.80	20.67	21.5	0.5	
15	QPSK	252	0	20.64	20.80	20.67			
15	QPSK	252	49	20.64	20.79	20.67	21.5	0.5	
15	QPSK	288	0	20.64	20.79	20.67			
15	QPSK	288	49	20.64	20.78	20.67	21.5	0.5	
15	QPSK	324	0	20.64	20.78	20.67			
15	QPSK	324	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	360	0	20.64	20.78	20.67			
15	QPSK	360	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	396	0	20.64	20.78	20.67			
15	QPSK	396	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	432	0	20.64	20.78	20.67			
15	QPSK	432	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	468	0	20.64	20.78	20.67			
15	QPSK	468	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	504	0	20.64	20.78	20.67			
15	QPSK	504	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	540	0	20.64	20.78	20.67			
15	QPSK	540	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	576	0	20.64	20.78	20.67			
15	QPSK	576	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	612	0	20.64	20.78	20.67			
15	QPSK	612	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	648	0	20.64	20.78	20.67			
15	QPSK	648	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	684	0	20.64	20.78	20.67			
15	QPSK	684	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	720	0	20.64	20.78	20.67			
15	QPSK	720	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	756	0	20.64	20.78	20.67			
15	QPSK	756	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	792	0	20.64	20.78	20.67			
15	QPSK	792	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	828	0	20.64	20.78	20.67			
15	QPSK	828	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	864	0	20.64	20.78	20.67			
15	QPSK	864	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	900	0	20.64	20.78	20.67			
15	QPSK	900	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	936	0	20.64	20.78	20.67			
15	QPSK	936	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	972	0	20.64	20.78	20.67			
15	QPSK	972	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1008	0	20.64	20.78	20.67			
15	QPSK	1008	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1044	0	20.64	20.78	20.67			
15	QPSK	1044	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1080	0	20.64	20.78	20.67			
15	QPSK	1080	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1116	0	20.64	20.78	20.67			
15	QPSK	1116	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1152	0	20.64	20.78	20.67			
15	QPSK	1152	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1188	0	20.64	20.78	20.67			
15	QPSK	1188	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1224	0	20.64	20.78	20.67			
15	QPSK	1224	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1260	0	20.64	20.78	20.67			
15	QPSK	1260	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1296	0	20.64	20.78	20.67			
15	QPSK	1296	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1332	0	20.64	20.78	20.67			
15	QPSK	1332	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1368	0	20.64	20.78	20.67			
15	QPSK	1368	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1404	0	20.64	20.78	20.67			
15	QPSK	1404	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1440	0	20.64	20.78	20.67			
15	QPSK	1440	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1476	0	20.64	20.78	20.67			
15	QPSK	1476	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1512	0	20.64	20.78	20.67			
15	QPSK	1512	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1548	0	20.64	20.78	20.67			
15	QPSK	1548	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1584	0	20.64	20.78	20.67			
15	QPSK	1584	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1620	0	20.64	20.78	20.67			
15	QPSK	1620	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1656	0	20.64	20.78	20.67			
15	QPSK	1656	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1692	0	20.64	20.78	20.67			
15	QPSK	1692	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1728	0	20.64	20.78	20.67			
15	QPSK	1728	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1764	0	20.64	20.78	20.67			
15	QPSK	1764	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1800	0	20.64	20.78	20.67			
15	QPSK	1800	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1836	0	20.64	20.78	20.67			
15	QPSK	1836	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1872	0	20.64	20.78	20.67			
15	QPSK	1872	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1908	0	20.64	20.78	20.67			
15	QPSK	1908	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1944	0	20.64	20.78	20.67			
15	QPSK	1944	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	1980	0	20.64	20.78	20.67			
15	QPSK	1980	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	2016	0	20.64	20.78	20.67			
15	QPSK	2016	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	2052	0	20.64	20.78	20.67			
15	QPSK	2052	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	2088	0	20.64	20.78	20.67			
15	QPSK	2088	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	2124	0	20.64	20.78	20.67			
15	QPSK	2124	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	2160	0	20.64	20.78	20.67			
15	QPSK	2160	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	2196	0	20.64	20.78	20.67			
15	QPSK	2196	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	2232	0	20.64	20.78	20.67			
15	QPSK	2232	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	2268	0	20.64	20.78	20.67			
15	QPSK	2268	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	2304	0	20.64	20.78	20.67			
15	QPSK	2304	49	20.64	20.77	20.67	21.5	0.5	
15	QPSK	2340	0	20.64	20.78	20.67			
15	QPSK	2340	49	20.64	20.77	20.67	21.5		

Band 12 Default Ant 1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Max Ch / Freq	Power Min Ch / Freq	Power Avg Ch / Freq	Tune-up Int. (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	21.61	21.73	21.68	23	0						
10	QPSK	1	25	21.43	21.51	21.52								
10	QPSK	1	49	21.47	21.49	21.52								
10	QPSK	25	0	21.60	21.70	21.55								
10	QPSK	25	12	21.55	21.63	21.53	23	0						
10	QPSK	25	25	21.46	21.49	21.46								
10	QPSK	50	0	21.51	21.57	21.45								
10	16QAM	1	0	21.55	21.55	21.55								
10	16QAM	1	25	21.40	21.49	21.36	23	0						
10	16QAM	1	49	21.35	21.46	21.44								
10	16QAM	25	0	21.59	21.59	21.49								
10	16QAM	25	12	21.34	21.49	21.40								
10	16QAM	25	25	21.38	21.39	21.41	22.5	0.5						
10	16QAM	50	0	21.53	21.54	21.40								
10	64QAM	1	0	21.34	21.50	21.36								
10	64QAM	1	25	21.26	21.32	21.33								
10	64QAM	1	49	21.24	21.36	21.28	21.5	1.5						
10	64QAM	25	0	20.40	20.43	20.41								
10	64QAM	25	12	20.37	20.43	20.31								
10	64QAM	25	25	20.35	20.34	20.33								
10	64QAM	50	0	20.25	20.27	20.31	19.5	3.5						
10	256QAM	1	25	18.42	18.52	18.49								
10	256QAM	1	49	18.41	18.37	18.33								
10	256QAM	25	0	18.35	18.35	18.42								
10	256QAM	25	12	18.26	18.37	18.36	18.5	3.5						
10	256QAM	25	25	18.24	18.32	18.32								
10	256QAM	50	0	20.05	20.06	20.05								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.58	21.63	21.54	23	0						
5	QPSK	1	12	21.37	21.48	21.43								
5	QPSK	1	24	21.33	21.44	21.40								
5	QPSK	12	0	21.51	21.58	21.44								
5	QPSK	12	13	21.49	21.49	21.39	23	0						
5	QPSK	12	13	21.34	21.39	21.41								
5	QPSK	25	0	21.40	21.46	21.38								
5	16QAM	1	0	21.48	21.51	21.40								
5	16QAM	1	12	21.36	21.37	21.23	23	0						
5	16QAM	1	24	21.22	21.37	21.31								
5	16QAM	12	0	21.31	21.48	21.41								
5	16QAM	12	7	21.23	21.39	21.27								
5	16QAM	25	0	21.26	21.43	21.34	22.5	0.5						
5	64QAM	1	0	21.20	21.36	21.22								
5	64QAM	1	12	21.07	21.27	21.31								
5	64QAM	1	24	21.13	21.25	21.20								
5	64QAM	12	0	20.31	20.41	20.36	21.5	1.5						
5	64QAM	12	7	20.36	20.36	20.36								
5	64QAM	12	13	20.27	20.25	20.18								
5	64QAM	25	0	20.15	20.22	20.24								
5	256QAM	1	0	18.30	18.47	18.36	19.5	3.5						
5	256QAM	1	12	18.31	18.50	18.45								
5	256QAM	1	24	18.28	18.31	18.25								
5	256QAM	12	0	18.30	18.34	18.34								
5	256QAM	12	7	18.17	18.24	18.23	18.5	3.5						
5	256QAM	12	13	18.20	18.23	18.28								
5	256QAM	25	0	18.30	18.42	18.17								
Channel														
Frequency (MHz)														
3	QPSK	1	0	21.42	21.48	21.43	23	0						
3	QPSK	1	8	21.32	21.54	21.37								
3	QPSK	1	14	21.42	21.43	21.38								
3	QPSK	3	0	21.55	21.59	21.45								
3	QPSK	3	8	21.48	21.52	21.39	23	0						
3	QPSK	8	7	21.32	21.40	21.38								
3	QPSK	16	0	21.37	21.53	21.37								
3	16QAM	1	0	21.47	21.57	21.37								
3	16QAM	1	8	21.30	21.41	21.33	23	0						
3	16QAM	1	16	21.21	21.43	21.36								
3	16QAM	8	0	21.26	21.49	21.41								
3	16QAM	8	4	21.21	21.38	21.30								
3	16QAM	8	7	21.28	21.33	21.27	22.5	0.5						
3	16QAM	15	0	21.22	21.47	21.36								
3	64QAM	1	0	21.20	21.40	21.29								
3	64QAM	1	8	21.12	21.28	21.18								
3	64QAM	1	14	21.12	21.23	21.18	21.5	1.5						
3	64QAM	8	0	20.37	20.43	20.39								
3	64QAM	8	4	20.33	20.35	20.25								
3	64QAM	8	7	20.16	20.19	20.27								
3	64QAM	15	0	20.19	20.25	20.22	19.5	3.5						
3	256QAM	1	0	18.30	18.47	18.36								
3	256QAM	1	8	18.27	18.49	18.43								
3	256QAM	1	14	18.28	18.33	18.26								
3	256QAM	8	0	18.26	18.40	18.31	19.5	3.5						
3	256QAM	8	4	18.18	18.26	18.30								
3	256QAM	8	7	18.20	18.10	18.29								
3	256QAM	15	0	18.23	18.36	18.17								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	21.42	21.59	21.51	23	0						
1.4	QPSK	1	3	21.35	21.50	21.40								
1.4	QPSK	1	5	21.40	21.44	21.45								
1.4	QPSK	3	0	21.57	21.61	21.51								
1.4	QPSK	3	1	21.48	21.59	21.39	23	0						
1.4	QPSK	3	3	21.35	21.33	21.35								
1.4	QPSK	6	0	21.39	21.60	21.36								
1.4	16QAM	1	0	21.50	21.58	21.39								
1.4	16QAM	1	3	21.34	21.40	21.33	23	0						
1.4	16QAM	1	6	21.26	21.43	21.40								
1.4	16QAM	3	0	21.28	21.48	21.36								
1.4	16QAM	3	1	21.26	21.44	21.28								
1.4	16QAM	3	3	21.23	21.37	21.35	22.5	0.6						
1.4	16QAM	6	0	21.21	21.48	21.34								
1.4	64QAM	1	0	21.28	21.47	21.27								
1.4	64QAM	1	3	21.13	21.21	21.19								
1.4	64QAM	1	5	21.19	21.28	21.18	22.5	0.5						
1.4	64QAM	3	0	21.23	21.36	21.32								
1.4	64QAM	3	1	21.23	21.23	21.20								
1.4	64QAM	3	3	21.10	21.22	21.17								
1.4	64QAM	6	0	20.39	20.41	20.29	21.5	1.5						
1.4	256QAM	1	0	18.37	18.49	18.44								
1.4	256QAM	1	3	18.33	18.50	18.44								
1.4	256QAM	3	0	18.29	18.26	18.24								
1.4	256QAM	3	1	18.27	18.36	18.30	19.5	3.5						
1.4	256QAM	3	1	18.14	18.50	18.24								
1.4	256QAM	3	3	18.15	18.24	18.22								
1.4	256QAM	6	0	18.27	18.36	18.19								

Band 25 Default Ant 1														
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)														
20	QPSK	1	0	21.00	21.11	21.06	22	0						
20	QPSK	1	49	20.83	20.94	20.88								
20	QPSK	1	99	20.83	20.92	20.87								
20	QPSK	50	0	20.92	21.06	20.96								
20	QPSK	50	24	20.84	20.96	20.90	22	0						
20	QPSK	50	50	20.76	20.87	20.80								
20	QPSK	100	0	20.89	21.02	20.94								
20	16QAM	1	0	20.87	21.06	20.93								
20	16QAM	1	49	20.83	20.89	20.89	22	0						
20	16QAM	1	99	20.78	20.85	20.80								
20	16QAM	50	0	20.84	21.00	20.94								
20	16QAM	50	24	20.77	20.90	20.81								
20	16QAM	50	50	20.74	20.79	20.75	22	0						
20	16QAM	100	0	20.82	20.95	20.82								
20	64QAM	1	0	20.88	21.09	20.97								
20	64QAM	1	49	20.92	20.97	20.89								
20	64QAM	1	99	20.88	20.89	20.80	22	0						
20	64QAM	50	0	20.89	21.01	20.89								
20	64QAM	50	24	20.81	20.89	20.84								
20	64QAM	50	50	20.76	20.78	20.74								
20	64QAM	100	0	20.88	20.95	20.82	19	3						
20	256QAM	1	74	17.86	18.07	17.89								
20	256QAM	1	49	17.82	18.07	17.89								
20	256QAM	1	99	17.77	17.84	17.77								
20	256QAM	50	24	17.80	17.85	17.84	19	3						
20	256QAM	50	50	17.71	17.82	17.78								
20	256QAM	100	0	17.82	17.85	17.80								
Channel														
Frequency (MHz)														
18	QPSK	1	0	20.89	21.07	20.98	22	0						
18	QPSK	1	37	20.75	20.81	20.79								
18	QPSK	1	74	20.75	20.84	20.78								
18	QPSK	36	0	20.83	20.94	20.91								
18	QPSK	36	25	20.80	20.77	20.77	22	0						
18	QPSK	36	39	20.62	20.70	20.74								
18	QPSK	75	0	20.82	20.98	20.88								
18	16QAM	1	0	20.80	20.88	20.88								
18	16QAM	1	37	20.77	20.83	20.79	22	0						
18	16QAM	1	74	20.86	20.91	20.78								
18	16QAM	36	0	20.71	20.98	20.71								
18	16QAM	36	20	20.71	20.86	20.74								
18	16QAM	36	25	20.67	20.81	20.81	22	0						
18	16QAM	75	0	20.78	20.81	20.81								
18	64QAM	1	0	20.83	21.06	20.88								
18	64QAM	1	37	20.85	20.89	20.77								
18	64QAM	1	74	20.74	20.85	20.70	22	0						
18	64QAM	36	0	20.76	20.86	20.75								
18	64QAM	36	25	20.76	20.86	20.74								
18	64QAM	36	39	20.62	20.83	20.80								
18	64QAM	75	0	20.77	20.81	20.88	21	1						
18	256QAM	1	13	18.01	18.09	18.04								
18	256QAM	1	37	17.88	18.03	17.79								
18	256QAM	1	74	17.83	17.71	17.73								
18	256QAM	36	0	17.86	17.84	17.86	19	3						
18	256QAM	36	20	17.69	17.78	17.77								
18	256QAM	36	39	17.66	17.78	17.67								
18	256QAM	75	0	17.78	17.76	17.76								
Channel														
Frequency (MHz)														
10	QPSK	1	0	20.80	21.02	20.91	22	0						
10	QPSK	1	26	20.78	20.93	20.89								
10	QPSK	1	49	20.78	20.80	20.73								
10	QPSK	12	0	21.06	21.09	21.08								
10	QPSK	25	12	20.77	20.77	20.76	22	0						
10	QPSK	25	25	20.63	20.78	20.73								
10	QPSK	50	0	20.79	20.98	20.88								
10	16QAM	1	0	20.80	20.97	20.82								
10	16QAM	1	26	20.74	20.76	20.79	22	0						
10	16QAM	1	49	20.76	20.77	20.78								
10	16QAM	25	0	20.77	20.91	20.79								
10	16QAM	25	12	20.68	20.86	20.74								
10	16QAM	36	0	20.67	20.84	20.82	22	0						
10	16QAM	50	0	20.76	20.81	20.85								
10	64QAM	1	0	20.89	21.00	20.93								
10	64QAM	1	24	20.77	20.85	20.77								
10	64QAM	1	49	20.84	20.80	20.89	22	0						
10	64QAM	25	0	20.79	20.88	20.74								
10	64QAM	25	12	20.68	20.86	20.77								
10	64QAM	25	25	20.65	20.86	20.82								
10	64QAM	50	0	20.71	20.91	20.81	21	1						
10	256QAM	1	0	17.87	18.02	17.77								
10	256QAM	1	26	17.88	17.99	17.74								
10	256QAM	1	49	17.71	17.75	17.62								
10	256QAM	25	0	17.80	17.85	17.82	19	3						
10	256QAM	25	12	17.74	17.71	17.71								
10	256QAM	25	25	17.64	17.74	17.67								
10	256QAM	50	0	17.82	17.86	17.79								
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.89	21.06	20.96	22	0						
5	QPSK	1	12	20.80	20.84	20.89								
5	QPSK	1	24	20.69	20.81	20.80								
5	QPSK	12	0	20.78	20.98	20.86								
5	QPSK	12	7	20.73	20.83	20.74	22	0						
5	QPSK	12	13	20.64	20.74	20.67								
5	QPSK	25	0	20.81	20.92	20.90								
5	16QAM	1	0	20.73	20.92	20.82								
5	16QAM	1	12	20.73	20.81	20.75	22	0						
5	16QAM	1	24	20.68	20.74	20.76								
5	16QAM	12	0	20.77	20.90	20.86								
5	16QAM	12	7	20.72	20.78	20.72								
5	16QAM	12	13	20.64	20.74	20.67	22	0						
5	16QAM	25	0	20.69	20.84	20.83								
5	64QAM	1	0	20.85	21.04	20.91								
5	64QAM	1	12	20.85	20.89	20.81								
5	64QAM	1	24	20.77	20.79	20.89	22	0						
5	64QAM	12	0	20.75	20.92	20.84								
5	64QAM	12	7	20.77	20.74	20.79								
5	64QAM	12	13	20.59	20.65	20.83								
5	64QAM	25	0	20.74	20.84	20.86	19	3						
5	256QAM	1	0	17.77	18.03	17.77								
5	256QAM	1	12	17.81	18.02	17.74								
5	256QAM	1	24	17.73	17.79	17.69								
5	256QAM	12	0	17.76	17.87	17.75	19	3						
5	256QAM	12	7	17.70	17.71	17.74								
5	256QAM	12	13	17.62	17.70	17.74								
5	256QAM	25	0	17.83	18.04	17.83	19	3						
5	256QAM	25	12	17.73	17.73	17.73								
5	256QAM	25	25	17.63	17.73	17.63								
5	256QAM	50	0	17.85	17.85	17.85								
Channel														
Frequency (MHz)														
3	QPSK	1	0	20.96	20.99	20.98	22	0						
3	QPSK	1	20	20.83	20.87	20.87								
3	QPSK	1	40	20.83	20.87	20.87								
3	QPSK	14	0	20.71	20.87	20.79								
3	QPSK	8	0	20.81	21.02	20.81	22	0						
3	QPSK	8	7	20.73	20.83	20.73								
3	QPSK	15	0	20.81	20.94	20.83								
3	QPSK	15	7	20.76	20.79	20.79								
3	16QAM	1	0	20.79	20.98	20.85	22	0						
3	16QAM	1	8	20.78	20.84	20.85								
3	16QAM	1	14	20.65	20.79	20.72								
3	16QAM	8	0	20.75	20.88	20.79								
3	16QAM	8	7	20.60	20.69	20.61	22	0						
3	16QAM	8	14	20.61	20.68	20.61								
3	16QAM	8	21	20.44	20.63	20.61								
3	16QAM	8	28	20.44	20.63	20.61								
3	16QAM	15	0	20.81	20.88	20.88	22	0						
3	16QAM	15	7	20.76	20.79	20.79								
3	16QAM	15	14	20.65	20.79	20.72								
3	16QAM	15	21	20.44	20.63	20.61								
3	256QAM	1	0	17.81	17.96	17.83	22	0						
3	256QAM	1	14	17.71	17.69	17.63								
3	256QAM	1	28	17.62	17.76	17.63								
3	256QAM	8	7	17.65	17.73	17.68								
3	256QAM	8	14	17.53	17.63	17.53	19	3						
3	256QAM	8	21	17.47	17.73	17.74								
3	256QAM	8	28	17.36	17.73	17.68								
3	256QAM	8	35	17.23	17.73	17.63								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	20.93	21.00	20.97	22	0						
1.4	QPSK	1	3	20.80	20.85	20.88								
1.4	QPSK	1	6	20.80	20.88	20.73								
1.4	QPSK	3	0	20.70	20.76	20.71								
1.4	QPSK	3	3	20.69	20.78	20.72	22	0						
1.4	QPSK	3	6	20.68	20.78	20.72								
1.4	QPSK	6	0	20.78	21.01	20.97								
1.4	16QAM	1	3	20.71	20.81	20.84								
1.4	16QAM	1	6	20.71	20.81	20.84	22	0						
1.4	16QAM	3	0	20.80	20.92	20.72								
1.4	16QAM	3	3	20.65	20.84	20.71								
1.4	16QAM	6	0	20.73	20.89	20.85								
1.4	16QAM	6	3	20.74	20.94	20.84	22	0						
1.4	16QAM	6	6	20.75	20.91	20.75								
1.4	16QAM	6	9	20.73	20.92	20.74								
1.4	16QAM	6	12	20.77	20.91	20.75								
1.4	16QAM	6	15	20.76	20.91	20.75	22	0						
1.4	16QAM	6	18	20.75	20.91	20.75								
1.4	16QAM	6	21	20.74	20.91	20.75								
1.4	16QAM	6	24	20.73	20.91	20.75								
1.4	16QAM	6	27	20.72	20.91	20.75	22	0						
1.4	16QAM	6	30	20.71	20.91	20.75								
1.4	16QAM	6	33	20.70	20.91	20.75								
1.4	16QAM	6	36	20.69	20.91	20.75								
1.4	16QAM	6	39	20.68	20.91	20.75	22	0						
1.4	16QAM	6	42	20.67	20.91	20.75								
1.4	16QAM	6	45	20.66	20.91	20.75								
1.4	16QAM	6	48	20.65	20.91	20.75								

Band 66 Default Ant 1														
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq. 180072	Power Middle Ch./Freq. 180332	Power High Ch./Freq. 180592	Turn-up (mW)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.03	21.12	20.97	22	0						
20	QPSK	1	49	20.91	21.03	20.96								
20	QPSK	1	99	20.86	20.90	20.79								
20	QPSK	50	0	20.87	21.07	20.96								
20	QPSK	50	24	20.80	20.88	20.84	22	0						
20	QPSK	50	50	20.80	20.87	20.88								
20	QPSK	100	0	20.84	20.95	20.82								
20	16QAM	1	0	20.90	20.92	20.87								
20	16QAM	1	49	20.74	20.80	20.78	22	0						
20	16QAM	1	99	20.78	20.82	20.73								
20	16QAM	50	0	20.71	20.87	20.79								
20	16QAM	50	24	20.64	20.69	20.65								
20	16QAM	50	50	20.63	20.69	20.69	22	0						
20	16QAM	100	0	20.63	20.69	20.65								
20	64QAM	1	0	20.81	20.90	20.74								
20	64QAM	1	49	20.75	20.80	20.77								
20	64QAM	1	99	20.65	20.69	20.68	22	0						
20	64QAM	50	0	20.61	20.70	20.69								
20	64QAM	50	24	20.59	20.70	20.64								
20	64QAM	50	50	20.58	20.60	20.49								
20	256QAM	100	0	20.74	20.83	20.82	19	3						
20	256QAM	1	0	17.89	18.10	17.85								
20	256QAM	1	49	17.93	18.10	17.95								
20	256QAM	1	99	17.79	17.80	17.85								
20	256QAM	50	0	17.60	17.75	17.63	19	3						
20	256QAM	50	24	17.40	17.58	17.52								
20	256QAM	50	50	17.47	17.58	17.47								
20	256QAM	100	0	17.78	17.90	17.81								
Channel														
Frequency (MHz)														
15	QPSK	1	0	20.92	21.07	20.92	22	0						
15	QPSK	1	37	20.78	20.90	20.79								
15	QPSK	1	74	20.77	20.76	20.71								
15	QPSK	36	0	20.78	21.01	20.83								
15	QPSK	36	20	20.75	20.79	20.79	22	0						
15	QPSK	36	39	20.67	20.63	20.79								
15	QPSK	75	0	20.74	20.89	20.77								
15	16QAM	1	0	20.81	20.83	20.75								
15	16QAM	1	37	20.63	20.63	20.77	22	0						
15	16QAM	1	74	20.69	20.68	20.68								
15	16QAM	36	0	20.69	20.74	20.64								
15	16QAM	36	20	20.54	20.54	20.51								
15	16QAM	75	0	20.75	20.88	20.70	22	0						
15	64QAM	1	0	20.71	20.80	20.69								
15	64QAM	1	37	20.61	20.69	20.68								
15	64QAM	1	74	20.54	20.55	20.55								
15	64QAM	36	0	20.56	20.70	20.62	22	0						
15	64QAM	36	20	20.53	20.62	20.48								
15	64QAM	36	39	20.48	20.52	20.38								
15	64QAM	75	0	20.67	20.69	20.68								
15	256QAM	1	0	17.75	17.85	17.61	19	3						
15	256QAM	1	37	17.78	18.02	17.83								
15	256QAM	1	74	17.85	17.85	17.81								
15	256QAM	36	0	17.46	17.70	17.62								
15	256QAM	36	20	17.47	17.53	17.41	19	3						
15	256QAM	36	39	17.37	17.50	17.33								
15	256QAM	75	0	17.44	17.81	17.74								
Channel														
Frequency (MHz)														
10	QPSK	1	0	20.54	21.01	20.67	22	0						
10	QPSK	1	25	20.83	20.89	20.71								
10	QPSK	1	49	20.82	20.78	20.72								
10	QPSK	75	0	20.76	20.92	20.80								
10	QPSK	25	12	20.68	20.78	20.79	22	0						
10	QPSK	25	25	20.76	20.81	20.74								
10	QPSK	50	0	20.74	20.82	20.78								
10	16QAM	1	0	20.81	20.83	20.74								
10	16QAM	1	25	20.66	20.75	20.74	22	0						
10	16QAM	1	49	20.51	20.55	20.58								
10	16QAM	25	0	20.47	20.71	20.57								
10	16QAM	25	12	20.48	20.46	20.43								
10	16QAM	25	25	20.47	20.46	20.45	22	0						
10	16QAM	50	0	20.67	20.79	20.75								
10	256QAM	50	0	17.68	17.67	17.62								
10	256QAM	1	25	17.88	17.95	17.87								
10	256QAM	1	49	17.65	17.75	17.79	19	3						
10	256QAM	25	0	17.53	17.62	17.59								
10	256QAM	25	12	17.57	17.52	17.45								
10	256QAM	25	25	17.36	17.45	17.43								
10	256QAM	50	0	17.65	17.65	17.78								
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.51	20.82	20.47	22	0						
5	QPSK	1	12	20.85	20.50	20.79								
5	QPSK	1	24	20.80	20.62	20.68								
5	QPSK	12	0	20.75	20.36	20.63								
5	QPSK	12	7	20.76	20.70	20.71	22	0						
5	QPSK	12	13	20.67	20.60	20.79								
5	QPSK	25	0	20.73	20.81	20.67								
5	16QAM	1	0	20.81	20.80	20.76								
5	16QAM	1	12	20.64	20.73	20.75	22	0						
5	16QAM	1	24	20.75	20.73	20.60								
5	16QAM	12	0	20.67	20.70	20.84								
5	16QAM	12	7	20.58	20.57	20.60								
5	16QAM	12	13	20.50	20.52	20.54	22	0						
5	16QAM	25	0	20.76	20.88	20.69								
5	64QAM	1	0	20.70	20.83	20.66								
5	64QAM	1	12	20.65	20.77	20.64								
5	64QAM	1	24	20.62	20.54	20.61	22	0						
5	64QAM	12	0	20.53	20.67	20.60								
5	64QAM	12	7	20.48	20.49	20.49								
5	64QAM	12	13	20.50	20.53	20.39								
5	64QAM	25	0	20.70	20.77	20.76	22	0						
5	256QAM	1	0	17.82	18.00	17.83								
5	256QAM	1	12	17.80	17.98	17.82								
5	256QAM	1	24	17.70	17.75	17.71								
5	256QAM	12	0	17.65	17.49	17.60	19	3						
5	256QAM	12	7	17.54	17.50	17.47								
5	256QAM	12	13	17.39	17.37	17.44								
5	256QAM	25	0	17.64	17.78	17.75	19	3						
5	256QAM	25	7	17.52	17.51	17.48								
Channel														
Frequency (MHz)														
3	QPSK	1	0	20.91	21.06	20.90	22	0						
3	QPSK	1	12	20.85	20.50	20.79								
3	QPSK	1	24	20.80	20.62	20.68								
3	QPSK	14	0	20.75	20.36	20.63								
3	QPSK	14	7	20.76	20.70	20.71	22	0						
3	QPSK	14	13	20.67	20.60	20.79								
3	QPSK	25	0	20.73	20.81	20.67								
3	16QAM	1	0	20.81	20.80	20.76								
3	16QAM	1	12	20.64	20.73	20.75	22	0						
3	16QAM	1	24	20.75	20.73	20.60								
3	16QAM	14	0	20.67	20.70	20.84								
3	16QAM	14	7	20.58	20.57	20.60								
3	16QAM	14	13	20.50	20.52	20.54	22	0						
3	16QAM	25	0	20.76	20.88	20.69								
3	64QAM	1	0	20.70	20.83	20.66								
3	64QAM	1	12	20.65	20.77	20.64								
3	64QAM	1	24	20.62	20.54	20.61	22	0						
3	64QAM	14	0	20.53	20.67	20.60								
3	64QAM	14	7	20.48	20.49	20.49								
3	64QAM	14	13	20.50	20.53	20.39								
3	64QAM	25	0	20.70	20.77	20.76	22	0						
3	256QAM	1	0	17.82	18.00	17.83								
3	256QAM	1	12	17.80	17.98	17.82								
3	256QAM	1	24	17.70	17.75	17.71								
3	256QAM	14	0	17.65	17.49	17.60	19	3						
3	256QAM	14	7	17.54	17.50	17.47								
3	256QAM	14	13	17.39	17.37	17.44								
3	256QAM	25	0	17.64	17.78	17.75	19	3						
3	256QAM	25	7	17.52	17.51	17.48								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	20.93	21.03	20.94	22	0						
1.4	QPSK	1	6	20.81	20.96	20.86								
1.4	QPSK	1	14	20.75	20.86	20.80								
1.4	QPSK	8	0	20.73	20.63	20.86								
1.4	QPSK	8	7	20.69	20.62	20.85	22	0						
1.4	QPSK	16	0	20.79	20.84	20.78								
1.4	QPSK	16	7	20.67	20.62	20.80								
1.4	16QAM	1	0	20.83	20.86	20.74								
1.4	16QAM	1	6	20.63	20.74	20.73	22	0						
1.4	16QAM	1	14	20.70	20.68	20.87								
1.4	16QAM	8	0	20.55	20.63	20.58								
1.4	16QAM	8	7	20.59	20.61	20.55								
1.4	16QAM	8	14	20.58	20.64	20.51	22	0						
1.4	16QAM	16	0	20.69	20.82	20.64								
1.4	16QAM	16	7	20.64	20.72	20.64								
1.4	16QAM	8	0	20.53	20.67	20.60								
1.4	16QAM	8	7	20.48	20.48	20.68	22	0						
1.4	16QAM	8	14	20.45	20.51	20.49								
1.4	16QAM	16	0	20.70	20.83	20.43								
1.4	16QAM	16	7	20.71	20.71	20.70								
1.4	16QAM	16	14	20.64	20.64	20.64	22	0						
1.4	16QAM	32	0	20.75	20.84	20.63								
1.4	16QAM	32	7	20.68	20.68	20.68								
1.4	16QAM	32	14	20.63	20.63	20.63								
1.4	16QAM	32	21	20.58	20.58	20.58	22	0						
1.4	16QAM	64	0	20.71	20.86	20.70								
1.4	16QAM	64	7	20.74	20.77	20.70								
1.4	16QAM	64	14	20.68	20.68	20.68								
1.4	16QAM	64	21	20.65	20.65	20.65	21.8	0.5						
1.4	16QAM	128	0	20.71	20.81	20.69								
1.4	16QAM	128	7	20.57	20.69	20.59								
1.4	16QAM	128	14	20.62	20.62	20.62								
1.4	16QAM	128	21	20.46	20.46	20.33	20.8	1.5						
1.4	16QAM	256	0	20.68	20.78	20.70								
1.4	16QAM	256	7											



Band 38 DSI3_Standalone Ant 1														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.36	21.57	21.53	22	0						
20	QPSK	1	48	21.40	21.41	21.45								
20	QPSK	1	96	21.23	21.37	21.26								
20	QPSK	50	0	21.26	21.56	21.38								
20	QPSK	50	24	21.17	21.38	21.33	22	0						
20	QPSK	50	50	21.17	21.30	21.26								
20	QPSK	100	0	21.20	21.38	21.35								
20	16QAM	1	0	21.44	21.50	21.49								
20	16QAM	50	24	21.36	21.26	21.33	22	0						
20	16QAM	1	96	21.17	21.26	21.21								
20	16QAM	50	0	21.07	21.09	21.05								
20	16QAM	50	50	20.84	20.98	20.90								
20	16QAM	50	50	20.80	20.88	20.90	22	0						
20	16QAM	100	0	20.84	21.15	21.07								
20	64QAM	1	0	21.15	21.52	21.52								
20	64QAM	1	48	21.24	21.27	21.19								
20	64QAM	1	96	21.14	21.14	21.14	22	0						
20	64QAM	50	0	21.36	21.48	21.38								
20	64QAM	50	24	21.20	21.42	21.31								
20	64QAM	50	50	21.13	21.39	21.32								
20	64QAM	100	0	21.36	21.36	21.44	20.5	1.5						
20	256QAM	1	0	18.83	18.00	18.86								
20	256QAM	1	48	18.79	18.00	18.76								
20	256QAM	1	96	18.76	18.77	18.78								
20	256QAM	50	0	18.86	18.86	18.86	20.5	1.5						
20	256QAM	50	24	18.87	18.07	18.86								
20	256QAM	50	50	18.89	18.85	18.84								
20	256QAM	100	0	18.90	18.15	18.86								
Channel														
Frequency (MHz)														
15	QPSK	1	0	21.17	21.52	21.52	22	0						
15	QPSK	1	37	21.07	21.22	21.22								
15	QPSK	1	74	21.13	21.31	21.29								
15	QPSK	36	0	21.16	21.32	21.45								
15	QPSK	36	20	21.26	21.20	21.23	22	0						
15	QPSK	36	39	21.23	21.29	21.37								
15	QPSK	75	0	21.21	21.44	21.26								
15	16QAM	1	0	21.29	21.28	21.34								
15	16QAM	1	37	21.26	21.26	21.31	22	0						
15	16QAM	1	74	21.11	21.13	21.24								
15	16QAM	36	0	20.90	20.97	20.74								
15	16QAM	36	20	20.76	20.82	20.84								
15	16QAM	36	39	20.85	20.75	20.82	22	0						
15	16QAM	75	0	20.78	21.10	20.91								
15	64QAM	1	0	21.16	21.28	21.37								
15	64QAM	1	37	21.10	21.33	21.19								
15	64QAM	1	74	21.07	21.04	21.09	22	0						
15	64QAM	36	0	21.36	21.41	21.29								
15	64QAM	36	20	21.17	21.21	21.19								
15	64QAM	36	39	21.08	21.13	21.15								
15	64QAM	75	0	21.25	21.26	21.27	20.5	1.5						
15	256QAM	1	0	18.77	18.80	18.81								
15	256QAM	1	37	18.76	18.81	18.82								
15	256QAM	1	74	18.87	18.74	18.74								
15	256QAM	36	0	18.86	18.11	18.82	20.5	1.5						
15	256QAM	36	20	18.83	18.84	18.86								
15	256QAM	36	39	18.85	18.88	18.84								
15	256QAM	75	0	18.89	18.10	18.86								
Channel														
Frequency (MHz)														
10	QPSK	1	0	21.07	21.38	21.49	22	0						
10	QPSK	1	25	21.21	21.27	21.32								
10	QPSK	1	48	21.09	21.12	21.20								
10	QPSK	25	12	21.30	21.36	21.18								
10	QPSK	25	12	21.32	21.33	21.29	22	0						
10	QPSK	25	25	21.05	21.13	21.10								
10	QPSK	50	0	21.16	21.43	21.18								
10	16QAM	1	0	21.21	21.49	21.20								
10	16QAM	1	25	21.33	21.13	21.06	22	0						
10	16QAM	1	48	21.11	21.15	21.21								
10	16QAM	25	0	20.82	21.10	20.73								
10	16QAM	25	19	20.77	20.82	20.88								
10	16QAM	25	37	20.87	20.74	20.91	22	0						
10	16QAM	50	0	20.86	21.12	20.74								
10	64QAM	1	0	21.29	21.30	21.38								
10	64QAM	1	25	21.18	21.26	21.21								
10	64QAM	1	48	21.12	21.18	21.20	22	0						
10	64QAM	25	0	21.27	21.47	21.29								
10	64QAM	25	12	21.21	21.38	21.07								
10	64QAM	25	25	21.09	21.17	21.17								
10	64QAM	50	0	21.27	21.37	21.25	20.5	1.5						
10	256QAM	1	0	18.76	18.82	18.70								
10	256QAM	1	25	18.84	18.91	18.72								
10	256QAM	1	48	18.82	18.73	18.88								
10	256QAM	25	0	18.83	18.11	18.88	20.5	1.5						
10	256QAM	25	12	18.86	18.83	18.86								
10	256QAM	25	25	18.77	18.84	18.87								
10	256QAM	50	0	18.91	18.04	18.88								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.23	21.38	21.41	22	0						
5	QPSK	1	12	21.18	21.24	21.41								
5	QPSK	1	24	21.18	21.22	21.24								
5	QPSK	12	0	21.23	21.31	21.36								
5	QPSK	12	7	21.16	21.17	21.20	22	0						
5	QPSK	12	18	21.15	21.28	21.16								
5	QPSK	25	0	21.02	21.22	21.25								
5	16QAM	1	0	21.41	21.40	21.28								
5	16QAM	1	12	21.30	21.22	21.12	22	0						
5	16QAM	1	24	21.01	21.21	21.10								
5	16QAM	12	0	20.94	21.14	20.87								
5	16QAM	12	7	20.74	20.81	20.82								
5	16QAM	12	13	20.84	20.82	20.76	22	0						
5	16QAM	25	0	20.91	21.08	20.88								
5	64QAM	1	0	21.32	21.41	21.32								
5	64QAM	1	12	21.04	21.36	21.28								
5	64QAM	1	24	21.07	21.11	20.99	22	0						
5	64QAM	12	0	21.23	21.48	21.37								
5	64QAM	12	7	21.11	21.29	21.17								
5	64QAM	12	13	21.23	21.07	21.11								
5	64QAM	25	0	21.21	21.35	21.31	20.5	1.5						
5	256QAM	1	0	18.73	18.88	18.71								
5	256QAM	1	12	18.72	18.87	18.66								
5	256QAM	1	24	18.84	18.73	18.76	20.5	1.5						
5	256QAM	1	12	18.80	18.88	18.80								
5	256QAM	12	0	18.82	18.91	18.84								
5	256QAM	12	13	18.85	18.88	18.90								
5	256QAM	25	0	18.89	18.10	18.86								
Channel														



Band 41 HPUE FCC&IC DSI3_Standalone Ant 1																
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dB)	MPR (dB)						
Channel																
Frequency (MHz)																
20	QPSK	1	0	22.63	22.68	22.70	22.85	22.97	23.6	0						
20	QPSK	1	48	22.60	22.63	22.68	22.67	22.45								
20	QPSK	1	96	22.59	22.65	22.58	22.59	22.46								
20	QPSK	50	0	22.53	22.55	22.63	22.52	22.51								
20	QPSK	50	24	22.48	22.48	22.60	22.44	22.37	23.6	0						
20	QPSK	50	48	22.52	22.51	22.48	22.40	22.35								
20	QPSK	100	0	22.49	22.53	22.56	22.54	22.48								
20	16QAM	1	0	22.46	22.41	22.62	22.46	22.31								
20	16QAM	50	0	22.50	22.42	22.54	22.38	22.30	23.6	0						
20	16QAM	1	96	22.52	22.41	22.52	22.38	22.33								
20	16QAM	50	24	22.34	22.48	22.53	22.30	22.40								
20	16QAM	50	24	22.29	22.44	22.44	22.45	22.39								
20	16QAM	100	50	22.36	22.42	22.54	22.41	22.46	23.6	0						
20	16QAM	100	0	22.46	22.44	22.44	22.29	22.25								
20	64QAM	1	0	22.43	22.31	22.42	22.25	22.20								
20	64QAM	1	48	22.28	22.36	22.44	22.23	22.29								
20	64QAM	1	96	22.43	22.36	22.33	22.33	22.33	23.6	0						
20	64QAM	50	0	22.25	22.27	22.44	22.33	22.43								
20	64QAM	50	24	22.17	22.21	22.36	22.14	22.34								
20	64QAM	50	50	22.34	22.14	22.36	22.20	22.36								
20	64QAM	100	0	22.04	22.19	22.37	22.27	22.21	23	0.6						
20	256QAM	1	0	21.81	21.49	21.88	21.44	21.88								
20	256QAM	1	48	21.43	21.41	21.81	21.42	21.82								
20	256QAM	1	96	21.30	21.36	21.65	21.41	21.51								
20	256QAM	50	0	21.27	21.38	21.55	21.34	21.42	23	0.6						
20	256QAM	50	24	21.27	21.23	21.46	21.24	21.38								
20	256QAM	50	50	21.23	21.26	21.41	21.26	21.35								
20	256QAM	100	0	21.10	21.13	21.34	21.15	21.34								
Channel																
Frequency (MHz)																
15	QPSK	1	0	22.63	22.63	22.70	22.85	22.97	23.6	0						
15	QPSK	1	37	22.58	22.39	22.85	22.81	22.32								
15	QPSK	1	74	22.48	22.47	22.91	22.41	22.32								
15	QPSK	36	0	22.43	22.43	22.50	22.41	22.47								
15	QPSK	36	20	22.40	22.40	22.51	22.33	22.25	23.6	0						
15	QPSK	75	0	22.42	22.48	22.50	22.48	22.36								
15	16QAM	1	0	22.39	22.33	22.57	22.42	22.19								
15	16QAM	1	37	22.42	22.30	22.47	22.33	22.32								
15	16QAM	1	74	22.42	22.37	22.44	22.24	22.30	23.6	0						
15	16QAM	36	0	22.42	22.41	22.29	22.28	22.29								
15	16QAM	36	20	22.30	22.44	22.20	22.25	22.30								
15	16QAM	36	36	22.26	22.25	22.19	22.29	22.22								
15	16QAM	75	0	22.23	22.54	22.80	22.51	22.28	23.6	0						
15	64QAM	1	0	22.18	22.15	22.40	22.35	22.09								
15	64QAM	1	37	22.35	22.21	22.40	22.25	22.21								
15	64QAM	1	74	22.40	22.28	22.36	22.25	22.19								
15	64QAM	36	0	22.12	22.59	22.28	22.20	22.17	23.6	0						
15	64QAM	36	20	22.04	22.28	22.35	22.12	22.16								
15	64QAM	75	0	22.00	22.05	22.19	22.07	22.02								
15	64QAM	75	0	21.44	21.44	21.54	21.33	21.45								
15	256QAM	1	0	21.20	21.29	21.51	21.38	21.46	23	0.6						
15	256QAM	1	74	21.25	21.29	21.52	21.31	21.41								
15	256QAM	36	0	21.28	21.27	21.39	21.26	21.30								
15	256QAM	36	20	21.12	21.14	21.34	21.13	21.27								
15	256QAM	36	36	21.14	21.22	21.37	21.12	21.30	23	0.6						
15	256QAM	75	0	21.08	21.16	21.21	21.00	21.10								
Channel																
Frequency (MHz)																
10	QPSK	1	0	22.61	22.66	22.69	22.85	22.97	23.6	0						
10	QPSK	1	25	22.63	22.42	22.59	22.51	22.37								
10	QPSK	1	48	22.60	22.47	22.48	22.35	22.35								
10	QPSK	25	0	22.50	22.49	22.57	22.38	22.42								
10	QPSK	25	12	22.32	22.42	22.51	22.41	22.28	23.6	0						
10	QPSK	25	25	22.43	22.38	22.43	22.35	22.35								
10	QPSK	1	0	22.34	22.48	22.52	22.46	22.41								
10	16QAM	1	0	22.34	22.31	22.63	22.32	22.27								
10	16QAM	1	25	22.38	22.38	22.50	22.29	22.25	23.6	0						
10	16QAM	1	48	22.40	22.37	22.48	22.38	22.30								
10	16QAM	25	0	22.20	22.27	22.56	22.43	22.32								
10	16QAM	25	12	22.21	22.46	22.42	22.11	22.27								
10	16QAM	25	12	22.35	22.24	22.28	22.12	22.20	23.6	0						
10	16QAM	50	0	22.28	22.48	22.40	22.40	22.33								
10	64QAM	1	0	22.30	22.21	22.46	22.34	22.07								
10	64QAM	1	25	22.43	22.30	22.50	22.18	22.21								
10	64QAM	1	48	22.34	22.31	22.48	22.29	22.29	23.6	0						
10	64QAM	25	0	22.12	22.23	22.41	22.20	22.28								
10	64QAM	25	12	22.20	22.16	22.36	22.09	22.32								
10	64QAM	25	25	22.18	22.03	22.30	22.17	22.36								
10	64QAM	50	0	22.05	22.09	22.23	22.23	22.23	23	0.6						
10	256QAM	1	0	21.45	21.46	21.56	21.35	21.48								
10	256QAM	1	25	21.29	21.34	21.51	21.37	21.46								
10	256QAM	1	48	21.26	21.25	21.47	21.33	21.42								
10	256QAM	25	0	21.33	21.29	21.44	21.25	21.41	23	0.6						
10	256QAM	25	12	21.29	21.11	21.35	21.14	21.30								
10	256QAM	25	25	21.11	21.14	21.27	21.11	21.25								
10	256QAM	50	0	21.04	21.04	21.24	21.09	21.18								
Channel																
Frequency (MHz)																
5	QPSK	1	0	22.66	22.68	22.67	22.83	22.43	23.6	0						
5	QPSK	1	16	22.62	22.44	22.64	22.63	22.36								
5	QPSK	1	24	22.52	22.45	22.48	22.45	22.39								
5	QPSK	12	0	22.47	22.43	22.50	22.44	22.40								
5	QPSK	12	7	22.36	22.37	22.54	22.40	22.40	23.6	0						
5	QPSK	12	16	22.48	22.42	22.38	22.32	22.32								
5	QPSK	25	0	22.41	22.41	22.56	22.44	22.40								
5	16QAM	1	0	22.35	22.27	22.57	22.37	22.25								
5	16QAM	1	12	22.48	22.32	22.52	22.32	22.28	23.6	0						
5	16QAM	1	24	22.44	22.30	22.38	22.23	22.24								
5	16QAM	12	7	22.25	22.36	22.39	22.25	22.27								
5	16QAM	12	7	22.20	22.39	22.30	22.17	22.19								
5	16QAM	12	13	22.33	22.31	22.31	22.38	22.33	23.6	0						
5	16QAM	12	13	22.29	22.45	22.32	22.27	22.27								
5	64QAM	1	0	22.43	22.32	22.68	22.32	22.22								
5	64QAM	1	12	22.33	22.31	22.40	22.34	22.21								
5	64QAM	12	7	22.31	22.20	22.13	22.08	22.38	23.6	0						
5	64QAM	12	13	22.05	22.26	22.37	22.18	22.15								
5	64QAM	25	0	22.10	22.17	22.36	22.10	22.20								
5	64QAM	25	12	22.13	22.13	22.13	22.13	22.13								
5	256QAM	1	0	21.03	21.07	21.20	21.03	21.08	23	0.6						
5	256QAM	1	16	21.03	21.28	21.00	21.38	21.40								
5	256QAM	1	24	21.23	21.29	21.49	21.37	21.39								
5	256QAM	1	48	21.34	21.34	21.52	21.32	21.32								
5	256QAM	12	7	21.16	21.18	21.38	21.11	21.33								
5	256QAM	12	13	21.14	21.13	21.33	21.02	21.31								

COM-1600-AWG									
Limit		Build Average Power (dBm)			Tune-up		Frame-Average Power (dBm)		
Tx Channel		812	861	810	Limit		812	861	810
Powering (dBm)		180.3	180.3	180.3	(dBm)		180.3	180.3	180.3
XOPP Pair-56	COM-1 Tx-Wat	28.25	28.33	28.19	28.00		19.25	18.93	19.10
XOPP Pair-56	OPNS-1 Tx-Wat	28.23	28.28	28.13	28.00		19.23	19.08	19.13
XOPP Pair-56	OPNS-2 Tx-Wat	25.48	25.53	25.40	26.00		17.48	19.53	19.60
XOPP Pair-56	OPNS-3 Tx-Wat	23.98	24.13	24.00	23.05		15.72	19.87	19.74
XOPP Pair-56	OPNS-4 Tx-Wat	21.05	22.00	21.98	23.00		13.05	19.09	19.08
XOPP Pair-56	EDGE-1 Tx-Wat	23.59	23.64	23.61	24.00		14.59	14.84	14.61
XOPP Pair-56	EDGE-2 Tx-Wat	21.56	22.63	21.62	23.00		13.56	16.03	15.62
XOPP Pair-56	EDGE-3 Tx-Wat	20.78	20.85	20.70	21.00		15.62	16.59	16.44
XOPP Pair-56	EDGE-4 Tx-Wat	18.71	18.74	18.68	19.00		15.71	15.74	15.68
HCCMA-1-AWG									
Band		HCCMA-1			Tune-up		HCCMA-1-AWG		
Tx Channel		9862	9860	9858	Limit		1512	1513	1513
Rx Channel		9862	9860	9858	Limit		1512	1513	1513
Powering (dBm)		18.00	18.00	18.00	(dBm)		17.40	17.40	17.40
XOPP Pair-56	AM-12 260m	21.58	21.55	21.48	22.00		21.45	21.44	21.37
XOPP Pair-56	AM-12 260m	21.54	21.52	21.49	22.00		21.47	21.53	21.44
XOPP Pair-6	HDDPA-160m	20.83	20.74	20.40	21.00		20.37	20.68	20.52
XOPP Pair-6	HDDPA-160m	20.58	20.60	20.53	21.00		20.47	20.61	20.43
XOPP Pair-6	HDDPA-160m	20.11	20.22	20.34	21.00		19.51	20.24	19.66
XOPP Pair-6	HDDPA-160m	20.02	20.18	20.09	21.10		19.98	20.06	20.02
XOPP Pair-6	HDDPA-160m	20.55	20.73	20.51	21.00		20.40	20.50	20.39
XOPP Pair-6	CG-HDDPA-160m	20.34	20.41	20.40	21.00		20.25	20.37	20.31
XOPP Pair-6	CG-HDDPA-160m	19.88	19.98	19.94	21.10		19.89	19.87	19.83
XOPP Pair-6	CG-HDDPA-160m	19.93	19.90	19.80	21.10		19.78	19.90	19.84
XOPP Pair-6	HDDPA-160m	20.59	20.72	20.71	21.00		20.49	20.65	20.60
XOPP Pair-6	HDDPA-160m	20.50	20.60	20.45	20.00		19.46	19.49	19.39
XOPP Pair-6	HDDPA-160m	19.58	19.60	19.60	20.00		19.48	19.51	19.48
XOPP Pair-6	HDDPA-160m	18.43	18.27	18.41	19.00		18.38	18.44	18.33
XOPP Pair-6	HDDPA-160m	20.05	20.00	20.05	21.00		20.48	20.53	20.49



Band 2 Default Ant 2									
BW [MHz]	Modulation	RIS Size	RIS Offset	Power Mod Ch / Freq	Power Mod Ch / Freq	Power Mod Ch / Freq	Turn-up Time (sec)	MPR (dB)	
Channel									
Frequency [MHz]									
20	QPSK	1	0	21.12	21.24	21.07			
20	QPSK	1	49	20.95	21.07	20.97	22	0	
20	QPSK	1	99	20.92	21.04	20.92			
20	QPSK	50	0	21.06	21.20	21.10			
20	QPSK	50	24	20.94	21.02	20.94			
20	QPSK	50	50	20.88	21.01	20.96	22	0	
20	QPSK	100	0	21.01	21.12	21.03			
20	QPSK	100	24	21.06	21.18	21.06			
20	16QAM	1	49	20.94	21.03	20.95	22	0	
20	16QAM	1	99	20.90	20.99	20.93			
20	16QAM	50	0	20.95	21.07	20.97			
20	16QAM	50	24	20.92	20.99	20.94			
20	16QAM	50	50	20.76	20.86	20.81	22	0	
20	16QAM	100	0	20.90	21.00	20.90			
20	64QAM	1	0	20.97	21.10	21.10			
20	64QAM	1	49	21.01	21.07	21.02	22	0	
20	64QAM	1	99	20.93	21.04	20.92			
20	64QAM	50	0	19.87	19.97	19.94			
20	64QAM	50	24	19.79	19.89	19.73	21	1	
20	64QAM	50	50	19.90	19.94	19.90			
20	64QAM	100	0	19.90	19.94	19.90			
20	256QAM	1	49	19.95	19.99	19.99	19	3	
20	256QAM	1	99	19.92	19.98	19.92			
20	256QAM	50	0	19.71	19.75	19.75			
20	256QAM	50	24	17.86	17.99	17.86	19	3	
20	256QAM	50	50	17.87	17.96	17.88			
20	256QAM	100	0	19.95	19.99	19.95			
Channel									
Frequency [MHz]									
15	QPSK	1	0	21.01	21.10	20.92	22	0	
15	QPSK	1	49	20.92	20.99	20.94			
15	QPSK	1	99	20.84	20.98	20.82			
15	QPSK	50	0	20.97	21.06	21.06			
15	QPSK	50	24	20.79	20.89	20.74	22	0	
15	QPSK	50	36	20.81	20.92	20.85			
15	QPSK	75	0	20.96	21.07	20.97			
15	16QAM	1	0	21.01	21.04	20.92			
15	16QAM	1	37	20.99	21.03	20.96	22	0	
15	16QAM	1	74	19.87	19.94	19.87			
15	16QAM	36	20	20.80	20.98	20.92			
15	16QAM	36	20	20.77	20.87	20.88	22	0	
15	16QAM	75	0	20.76	20.99	20.92			
15	16QAM	75	0	20.76	20.99	20.92			
15	64QAM	1	0	20.88	21.07	21.04	22	0	
15	64QAM	1	36	20.89	20.99	20.94			
15	64QAM	1	74	20.95	20.99	20.95			
15	64QAM	36	0	19.82	19.89	19.78	21	1	
15	64QAM	36	0	19.84	19.92	19.84			
15	64QAM	36	36	19.93	19.92	19.94			
15	64QAM	75	0	19.77	19.86	19.86			
15	256QAM	1	0	19.80	19.87	19.80			
15	256QAM	1	37	19.80	19.19	17.98	19	3	
15	256QAM	1	74	17.86	17.99	17.92			
15	256QAM	36	20	17.71	17.97	17.92			
15	256QAM	36	36	17.83	17.92	17.82	19	3	
15	256QAM	75	0	17.77	17.82	17.82			
Channel									
Frequency [MHz]									
15	QPSK	1	0	20.97	21.10	20.95	22	0	
15	QPSK	1	25	20.97	21.02	20.95			
15	QPSK	1	49	20.79	20.99	20.86			
15	QPSK	50	0	20.96	21.06	21.06			
15	QPSK	25	12	20.86	20.92	20.85	22	0	
15	QPSK	25	25	20.82	20.96	20.91			
15	QPSK	50	0	20.96	21.06	21.06			
15	16QAM	1	0	21.03	21.09	20.97			
15	16QAM	1	25	20.88	20.90	20.91	22	0	
15	16QAM	1	49	20.86	20.99	20.86			
15	16QAM	25	0	20.84	20.93	20.94			
15	16QAM	25	12	20.77	20.86	20.86	22	0	
15	16QAM	50	0	20.82	20.95	20.78			
15	16QAM	50	0	20.81	20.99	20.77			
15	64QAM	1	0	20.90	21.14	21.08	22	0	
15	64QAM	1	25	20.83	20.98	20.94			
15	64QAM	1	49	20.89	20.94	20.83			
15	64QAM	25	0	19.89	19.89	19.73	21	1	
15	64QAM	25	12	19.87	19.96	19.94			
15	64QAM	25	25	19.92	19.71	19.92			
15	64QAM	50	0	19.85	19.89	19.85			
15	256QAM	1	0	19.82	19.93	19.82			
15	256QAM	1	25	17.99	18.11	17.97	19	3	
15	256QAM	1	49	17.94	18.01	17.97			
15	256QAM	25	0	17.96	17.96	17.83			
15	256QAM	25	12	17.78	17.86	17.81	19	3	
15	256QAM	25	25	17.81	17.82	17.81			
15	256QAM	50	0	17.72	17.82	17.76			
Channel									
Frequency [MHz]									
5	QPSK	1	0	21.13	21.11	20.95	22	0	
5	QPSK	1	12	20.93	20.94	20.86			
5	QPSK	1	24	20.77	20.89	20.85			
5	QPSK	1	36	21.02	21.09	21.02			
5	QPSK	12	7	20.84	20.94	20.86	22	0	
5	QPSK	12	13	20.79	20.93	20.83			
5	QPSK	25	0	20.95	21.07	21.04			
5	16QAM	1	0	20.93	21.12	21.03			
5	16QAM	1	12	20.86	20.93	20.92	22	0	
5	16QAM	1	24	20.76	20.95	20.86			
5	16QAM	12	0	20.81	20.98	20.85			
5	16QAM	12	7	20.72	20.87	20.80	22	0	
5	16QAM	12	13	20.69	20.81	20.74			
5	16QAM	25	0	20.82	20.99	20.79			
5	16QAM	25	0	20.88	21.09	21.02	22	0	
5	16QAM	25	12	20.89	20.96	20.94			
5	64QAM	1	0	20.92	21.13	21.04	22	0	
5	64QAM	1	12	20.85	20.90	20.89			
5	64QAM	1	24	20.82	20.90	20.91			
5	64QAM	12	0	19.74	19.83	19.75	21	1	
5	64QAM	12	13	19.68	19.79	19.69			
5	64QAM	25	0	19.80	19.82	19.68			
5	256QAM	1	0	19.00	19.15	17.94	19	3	
5	256QAM	1	12	18.01	18.13	17.92			
5	256QAM	1	24	17.92	17.96	17.83			
5	256QAM	12	7	17.80	17.82	17.81	19	3	
5	256QAM	12	13	17.75	17.86	17.79			
5	256QAM	25	0	17.71	17.80	17.75			
Channel									
Frequency [MHz]									
3	QPSK	1	0	20.98	21.14	20.96	22	0	
3	QPSK	1	8	20.95	20.91	20.86			
3	QPSK	1	14	20.95	20.99	20.94			
3	QPSK	8	0	20.84	21.15	21.00			
3	QPSK	8	4	20.83	20.89	20.85	22	0	
3	QPSK	8	7	20.78	20.96	20.87			
3	QPSK	15	0	20.88	21.09	21.00			
3	16QAM	1	0	20.99	21.08	20.95			
3	16QAM	1	8	20.83	20.93	20.82	22	0	
3	16QAM	1	15	20.86	20.96	20.89			
3	16QAM	8	0	20.91	21.02	21.04			
3	16QAM	8	4	20.76	20.75	20.84	22	0	
3	16QAM	15	0	20.83	20.74	20.89			
3	16QAM	15	0	20.79	20.95	20.83			
3	64QAM	1	0	20.93	21.06	21.00	22	0	
3	64QAM	1	14	20.89	20.93	20.91			
3	64QAM	8	0	19.74	19.71	19.82	21	1	
3	64QAM	8	7	19.69	19.67	19.62			
3	64QAM	1	0	19.00	19.08	19.00			
3	256QAM	1	8	19.00	19.12	17.99			
3	256QAM	1	15	18.00	18.13	17.89	19	3	
3	256QAM	1	14	17.92	17.97	17.94			
3	256QAM	8	4	17.78	17.82	17.76	19	3	
3	256QAM	8	7	17.82	17.89	17.86			
3	256QAM	15	0	17.76	17.97	17.82			
Channel									
Frequency [MHz]									
1.4	QPSK	1	0	21.03	21.15	20.96	22	0	
1.4	QPSK	1	3	20.93	20.96	20.85			
1.4	QPSK	1	5	20.81	20.95	20.86			
1.4	QPSK	3	0	20.98	21.10	21.07			
1.4	QPSK	3	1	20.91	20.96	20.91			
1.4	QPSK	3	5	20.74	20.96	20.87	22	0	
1.4	QPSK	5	0	20.97	21.09	21.00			
1.4	16QAM	1	0	21.00	21.06	20.97			
1.4	16QAM	1	3	20.83	20.89	20.87	22	0	
1.4	16QAM	1	5	20.86	20.92	20.89			
1.4	16QAM	3	0	20.86	20.92	20.85			
1.4	16QAM	3	1	20.69	20.87	20.76	22	0	
1.4	16QAM	3	5	20.70	20.82	20.70			
1.4	16QAM	5	0	20.75	20.99	20.90	22	0	
1.4	16QAM	5	1	20.72	21.00	20.89			
1.4	64QAM	1	0	20.94	20.93	20.93			
1.4	64QAM	1	3	20.85	20.95	20.86	22	0	
1.4	64QAM	1	5	20.88	20.93	20.91			
1.4	64QAM	3	0	20.89	21.12	21.01			
1.4	64QAM	3	1	20.76	20.78	20.89	21	1	
1.4	64QAM	5	0	17.85	18.10	17.83			
1.4	64QAM	5	1	17.86	17.98	17.90			
1.4	256QAM	1	0	17.92	17.97	17.92	19	3	
1.4	256QAM	1	3	17.87					



Band 12 Default Ant 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Int. (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.51	22.59	22.50		24	0			
10	QPSK	1	25	22.40	22.42	22.31						
10	QPSK	1	49	22.26	22.48	22.18		24	0			
10	QPSK	25	0	22.40	22.62	22.40						
10	QPSK	25	12	22.30	22.45	22.27		24	0			
10	QPSK	25	25	22.29	22.52	22.34						
10	QPSK	50	0	22.34	22.41	22.37		24	0			
10	16QAM	1	0	22.41	22.51	22.53						
10	16QAM	1	25	22.39	22.52	22.38		24	0			
10	16QAM	1	49	22.18	22.40	22.39						
10	16QAM	25	0	22.51	22.52	22.54		24	0			
10	16QAM	25	12	22.29	22.41	22.35						
10	16QAM	25	25	22.27	22.36	22.30		24	0			
10	16QAM	50	0	22.40	22.51	22.38						
10	64QAM	1	0	22.40	22.44	22.32		24	0			
10	64QAM	1	25	22.39	22.41	22.52						
10	64QAM	1	49	22.14	22.41	22.29		22.5	1.5			
10	64QAM	25	0	21.24	21.36	21.17						
10	64QAM	25	12	21.13	21.21	21.08		22.5	1.5			
10	64QAM	25	25	21.03	21.36	21.04						
10	64QAM	50	0	21.25	21.30	21.19		21	3			
10	256QAM	1	25	19.35	19.59	19.46						
10	256QAM	1	49	19.34	19.38	19.43		21	3			
10	256QAM	25	0	19.24	19.45	19.44						
10	256QAM	25	12	19.34	19.29	19.32		21	3			
10	256QAM	25	25	19.12	19.28	19.19						
10	256QAM	50	0	19.26	19.33	19.17		Turn-up Int. (dBm)	MPR (dB)			
10	256QAM	50	0	20.05	20.06	20.165						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.43	22.48	22.39		24	0			
5	QPSK	1	12	22.31	22.36	22.35						
5	QPSK	1	24	22.14	22.40	22.04		24	0			
5	QPSK	12	0	22.29	22.50	22.37						
5	QPSK	12	7	22.25	22.31	22.15		24	0			
5	QPSK	12	13	22.24	22.28	22.17						
5	QPSK	25	0	22.22	22.27	22.12		24	0			
5	16QAM	1	0	22.35	22.41	22.38						
5	16QAM	1	12	22.25	22.45	22.27		24	0			
5	16QAM	1	24	22.08	22.39	22.19						
5	16QAM	12	0	22.47	22.43	22.51		24	0			
5	16QAM	12	7	22.18	22.28	22.25						
5	16QAM	25	0	22.37	22.43	22.23		24	0			
5	64QAM	1	0	22.25	22.32	22.21						
5	64QAM	1	12	22.09	22.32	22.19		22.5	1.5			
5	64QAM	1	24	22.05	22.32	22.21						
5	64QAM	12	0	21.17	21.31	21.05		22.5	1.5			
5	64QAM	12	7	21.02	21.02	20.89						
5	64QAM	12	13	21.02	21.02	20.89		21	3			
5	64QAM	25	0	21.13	21.16	21.16						
5	256QAM	1	12	19.20	19.46	19.48		21	3			
5	256QAM	1	24	19.25	19.28	19.33						
5	256QAM	12	0	19.11	19.35	19.36		21	3			
5	256QAM	12	7	19.20	19.15	19.26						
5	256QAM	12	13	19.02	19.20	19.12		Turn-up Int. (dBm)	MPR (dB)			
5	256QAM	25	0	19.12	19.22	19.08						
5	256QAM	25	0	20.05	20.06	20.165		Turn-up Int. (dBm)	MPR (dB)			
5	256QAM	25	0	20.05	20.06	20.165						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.40	22.52	22.46		24	0			
3	QPSK	1	8	22.31	22.37	22.28						
3	QPSK	1	16	22.11	22.43	22.08		24	0			
3	QPSK	8	0	22.32	22.48	22.28						
3	QPSK	8	4	22.19	22.34	22.21		24	0			
3	QPSK	8	7	22.21	22.18	22.11						
3	QPSK	16	0	22.21	22.27	22.25		24	0			
3	16QAM	1	0	22.26	22.39	22.48						
3	16QAM	1	8	22.31	22.38	22.32		24	0			
3	16QAM	1	16	22.05	22.28	22.30						
3	16QAM	8	0	22.37	22.41	22.40		24	0			
3	16QAM	8	4	22.18	22.33	22.29						
3	16QAM	8	7	22.13	22.29	22.18		22.5	1.5			
3	16QAM	16	0	22.36	22.39	22.25						
3	64QAM	1	0	22.27	22.31	22.21		24	0			
3	64QAM	1	8	22.34	22.38	22.28						
3	64QAM	1	14	22.06	22.38	22.20		22.5	1.5			
3	64QAM	8	0	21.12	21.27	21.02						
3	64QAM	8	4	21.04	21.12	20.95		22.5	1.5			
3	64QAM	8	7	20.98	21.00	20.99						
3	64QAM	16	0	21.19	21.24	21.15		21	3			
3	256QAM	1	0	19.23	19.45	19.41						
3	256QAM	1	8	19.27	19.51	19.37		21	3			
3	256QAM	1	14	19.24	19.51	19.35						
3	256QAM	8	0	19.10	19.21	19.36		21	3			
3	256QAM	8	4	19.24	19.16	19.17						
3	256QAM	8	7	19.09	19.23	19.09		21	3			
3	256QAM	16	0	19.20	19.26	19.12						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.41	22.54	22.18		24	0			
1.4	QPSK	1	3	22.35	22.42	22.27						
1.4	QPSK	1	5	22.20	22.42	22.04		24	0			
1.4	QPSK	3	0	22.34	22.50	22.28						
1.4	QPSK	3	1	22.20	22.59	22.23		24	0			
1.4	QPSK	3	3	22.17	22.59	22.20						
1.4	QPSK	6	0	22.23	22.34	22.32		24	0			
1.4	16QAM	1	0	22.32	22.40	22.40						
1.4	16QAM	1	3	22.28	22.47	22.25		24	0			
1.4	16QAM	1	6	22.04	22.37	22.33						
1.4	16QAM	3	0	22.47	22.47	22.46		24	0			
1.4	16QAM	3	1	22.25	22.31	22.25						
1.4	16QAM	3	3	22.17	22.32	22.25		24	0			
1.4	16QAM	6	0	22.26	22.43	22.35						
1.4	64QAM	1	0	22.35	22.37	22.29		24	0			
1.4	64QAM	1	3	22.25	22.29	22.26						
1.4	64QAM	1	5	22.01	22.33	22.19		22.5	1.5			
1.4	64QAM	3	0	22.38	22.36	22.40						
1.4	64QAM	3	3	22.16	22.32	22.22		22.5	1.5			
1.4	64QAM	3	3	22.15	22.29	22.21						
1.4	64QAM	6	0	21.19	21.29	21.11		22.5	1.5			
1.4	256QAM	1	0	19.26	19.57	19.36						
1.4	256QAM	1	3	19.22	19.56	19.47		21	3			
1.4	256QAM	1	5	19.26	19.22	19.30						
1.4	256QAM	3	0	19.10	19.34	19.30		21	3			
1.4	256QAM	3	1	19.21	19.16	19.19						
1.4	256QAM	3	3	19.08	19.20	19.14		21	3			
1.4	256QAM	6	0	19.17	19.25	19.09						

Band 13 Default Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Int. (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.53				24	0	
10	QPSK	1	25	22.43						
10	QPSK	25	0	22.43						
10	QPSK	25	12	22.35				24	0	
10	QPSK	25	25	22.25						
10	16QAM	1	0	22.48						
10	16QAM	1	25	22.47				24	0	
10	16QAM	1	49	22.45						
10	16QAM	25	12	22.44						
10	16QAM	25	25	22.35						
10	16QAM	25	25	22.25				24	0	
10	16QAM	50	0	22.48						
10	16QAM	50	25	22.38						
10	16QAM	1	26	22.42				24	0	
10	16QAM	1	49	22.41						
10	16QAM	25	12	22.40						
10	16QAM	25	25	22.30				22.5	1.5	
10	256QAM	1	0	19.60						
10	256QAM	1	25	19.59				21	3	
10	256QAM	1	50	19.50						
10	256QAM	25	0	19.42						
10	256QAM	25	12	19.38						
10	256QAM	25	25	19.28				21	3	
10	256QAM	50	0	19.28						
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.47	22.50	22.44		24	0	
5	QPSK	1	12	22.33	22.35	22.39				
5	QPSK	1	24	22.14	22.44	22.44		24	0	
5	QPSK	12	0	22.41	22.37	22.45				
5	QPSK	12	7	22.25	22.28	22.28		24	0	
5	QPSK	12	14	22.11	22.31	22.31				
5	QPSK	12	21	22.22	22.30	22.30				
5	16QAM	1	0	22.42	22.48	22.43		24	0	
5	16QAM	1	12	22.36	22.44	22.44				
5	16QAM	1	24	22.34	22.33	22.41				
5	16QAM	12	0	22.41	22.41	22.40				
5	16QAM	12	7	22.31	22.33	22.31		24	0	
5	16QAM	12	14	22.17	22.25	22.18				
5	16QAM	12	21	22.41	22.47	22.46				
5	16QAM	25	0	22.31	22.30	22.29				
5	16QAM	1	12	22.37	22.42	22.35		24	0	
5	16QAM	1	24	22.33	22.32	22.33				
5	16QAM	12	7	21.28	21.17	21.25		22.5	1.5	
5	16QAM	12	14	20.96	20.97	21.01				
5	16QAM	12	21	21.17	21.51	21.28				
5	256QAM	1	0	19.52	19.51	19.53				
5	256QAM	1	12	19.48	19.53	19.50				
5	256QAM	1	24	19.35	19.50	19.34				
5	256QAM	12	7	19.36	19.43	19.35		21	3	
5	256QAM	12	14	19.22	19.24	19.26				
5	256QAM	12	21	19.35	19.45	19.38		21	3	
5	256QAM	25	0	19.27	19.18	19.30				



Band 25 Default Ant 2													
BW [MHz]	Modulation	RIS Size	RIS Offset	Power Mod Ch./F.Freq.	Power Mod Ch./F.Freq.	Power Mod Ch./F.Freq.	Turn-up rate (dB)	MPR (dB)					
Channel													
Frequency [MHz]													
20	QPSK	1	0	23.18	23.22	23.31			24	0			
20	QPSK	1	49	22.99	23.26	23.19							
20	QPSK	1	99	23.00	23.13	23.03			24	0			
20	QPSK	50	0	23.16	23.20	23.19							
20	QPSK	50	24	23.13	23.18	23.14			24	0			
20	QPSK	50	50	23.01	23.08	23.05							
20	QPSK	100	0	23.11	23.22	23.15			24	0			
20	QPSK	100	50	23.13	23.27	23.14							
20	16QAM	1	49	23.05	23.14	23.07			24	0			
20	16QAM	50	99	23.09	23.09	23.07							
20	16QAM	50	99	23.05	23.09	23.04			24	0			
20	16QAM	50	24	22.84	22.89	22.90							
20	16QAM	50	50	22.77	22.84	22.84			24	0			
20	16QAM	100	0	22.94	23.16	23.01							
20	64QAM	1	0	22.96	23.10	22.96			24	0			
20	64QAM	49	22.98	23.02	22.90								
20	64QAM	1	99	22.88	23.00	22.90			24	0			
20	64QAM	50	0	22.02	22.14	22.05							
20	64QAM	50	24	21.93	22.04	21.97			23	1			
20	64QAM	50	50	21.82	21.95	21.85							
20	64QAM	100	0	22.06	22.05	22.03			21	3			
20	256QAM	1	49	19.84	19.16	20.00							
20	256QAM	1	99	19.89	19.93	19.97			21	3			
20	256QAM	50	6	20.01	20.13	20.01							
20	256QAM	50	24	20.06	19.93	19.97			21	3			
20	256QAM	50	50	19.82	19.84	19.87							
20	256QAM	100	0	19.96	19.99	19.92							
Channel													
Frequency [MHz]													
15	QPSK	1	0	23.07	23.26	23.17			24	0			
15	QPSK	1	49	23.01	23.18	23.04							
15	QPSK	1	74	23.01	23.09	23.00			24	0			
15	QPSK	36	0	23.02	23.10	23.14							
15	QPSK	36	24	23.07	23.05	23.07			24	0			
15	QPSK	36	39	22.90	23.01	23.01							
15	QPSK	75	0	23.06	23.14	23.05			24	0			
15	16QAM	1	23.05	23.13	23.03								
15	16QAM	1	37	22.96	23.04	22.94			24	0			
15	16QAM	1	74	22.94	22.99	22.94							
15	16QAM	36	20	22.79	22.79	22.83			24	0			
15	16QAM	36	20	22.90	23.13	22.78							
15	16QAM	75	0	22.87	23.04	22.91			24	0			
15	64QAM	1	0	22.82	23.02	22.84							
15	64QAM	1	74	22.76	22.87	22.78			24	0			
15	64QAM	36	0	21.89	22.07	22.02							
15	64QAM	36	24	21.70	21.75	21.71			23	1			
15	64QAM	36	39	21.70	21.75	21.71							
15	64QAM	75	0	22.02	22.01	21.98			21	3			
15	256QAM	1	37	19.91	20.10	19.98							
15	256QAM	1	74	19.77	19.78	19.91			21	3			
15	256QAM	50	24	19.85	19.86	19.86							
15	256QAM	50	36	19.91	19.92	19.92			21	3			
15	256QAM	50	39	19.72	19.80	19.75							
15	256QAM	100	0	19.83	19.87	19.78							
Channel													
Frequency [MHz]													
15	QPSK	1	0	22.82	23.15	23.09			24	0			
15	QPSK	1	25	22.87	23.15	23.13							
15	QPSK	1	49	22.80	23.00	23.00			24	0			
15	QPSK	25	0	23.03	23.09	23.07							
15	QPSK	25	25	23.04	22.86	22.92			24	0			
15	QPSK	25	25	23.03	23.09	23.04							
15	16QAM	1	0	23.06	23.14	23.07			24	0			
15	16QAM	1	25	22.81	23.10	23.02							
15	16QAM	25	0	22.78	22.99	22.87			24	0			
15	16QAM	25	12	22.81	22.85	22.84							
15	16QAM	36	0	22.70	22.81	22.76			24	0			
15	16QAM	50	0	22.81	23.03	22.92							
15	64QAM	1	0	22.84	23.02	22.84			24	0			
15	64QAM	1	0	22.85	23.02	22.79							
15	64QAM	1	49	22.85	22.94	22.81			23	1			
15	64QAM	25	0	21.89	22.10	22.02							
15	64QAM	25	0	21.84	21.82	21.83			23	1			
15	64QAM	25	25	21.77	21.83	21.77							
15	64QAM	50	0	21.97	21.88	21.94			21	3			
15	256QAM	1	37	19.91	20.02	19.97							
15	256QAM	1	49	19.82	19.82	19.86			21	3			
15	256QAM	50	24	19.88	19.86	19.86							
15	256QAM	50	25	19.77	19.80	19.76			21	3			
15	256QAM	50	36	19.83	19.82	19.82							
Channel													
Frequency [MHz]													
3	QPSK	1	0	23.18	23.23	23.22			24	0			
3	QPSK	1	8	20.88	23.07	23.13							
3	QPSK	1	14	22.87	23.04	22.93			24	0			
3	QPSK	1	24	23.11	23.15	23.12							
3	QPSK	3	4	23.10	23.10	23.07			24	0			
3	QPSK	8	7	22.94	22.91	22.93							
3	QPSK	8	7	23.02	23.12	23.11			24	0			
3	16QAM	1	0	23.04	23.14	23.11							
3	16QAM	1	8	23.01	23.08	22.94			24	0			
3	16QAM	8	4	22.85	22.87	22.86							
3	16QAM	8	0	22.80	22.80	22.79			24	0			
3	16QAM	8	4	22.73	22.80	22.76							
3	16QAM	15	0	22.82	22.79	22.79			24	0			
3	16QAM	15	0	22.90	23.03	22.93							
3	64QAM	1	0	22.87	23.09	22.91			24	0			
3	64QAM	1	0	22.84	22.84	22.86							
3	64QAM	1	14	22.78	22.88	22.82			23	1			
3	64QAM	8	0	21.81	21.98	21.94							
3	64QAM	8	16	21.82	21.90	21.91			23	1			
3	64QAM	8	7	21.74	21.82	21.74							
3	64QAM	15	0	21.84	20.90	20.89			21	3			
3	256QAM	1	8	19.91	20.11	19.98							
3	256QAM	1	16	19.84	19.85	19.86			21	3			
3	256QAM	8	0	19.91	20.02	19.89							
3	256QAM	8	4	19.80	19.88	19.85			21	3			
3	256QAM	8	4	19.79	19.86	19.79							
3	256QAM	15	0	19.89	20.00	19.77							
Channel													
Frequency [MHz]													
1.4	QPSK	1	0	23.15	23.23	23.23			24	0			
1.4	QPSK	1	5	22.88	23.17	23.13							
1.4	QPSK	1	5	22.93	22.99	22.97			24	0			
1.4	QPSK	3	1	23.02	23.07	23.07							
1.4	QPSK	3	1	23.03	23.00	22.99			24	0			
1.4	QPSK	3	6	22.87	22.93	22.96							
1.4	16QAM	1	0	22.99	23.10	23.01			24	0			
1.4	16QAM	1	0	22.85	23.09	23.06							
1.4	16QAM	1	0	22.85	23.02	23.00			24	0			
1.4	16QAM	3	0	22.80	22.80	22.79							
1.4	16QAM	3	0	22.82	22.87	22.73			24	0			
1.4	16QAM	6	0	22.84	23.03	22.97							
1.4	64QAM	1	5	22.77	22.86	22.85			24	0			
1.4	64QAM	1	2	22.77	22.82	22.77							
1.4	64QAM	3	0	21.97	22.01	21.98			23	1			
1.4	64QAM	3	0	21.82	22.03	21.96							
1.4	64QAM	6	0	21.93	22.12	21.98			21	3			
1.4	64QAM	6	0	21.84	22.08	21.88							
1.4	64QAM	3	0	21.85	22.08	21.98			21	3			
1.4	64QAM	3	0	21.82	22.08	21.88							
1.4	256QAM	1	3	19.72	19.84	19.75			23	1			
1.4	256QAM	1	3	19.54	19.64	19.54							

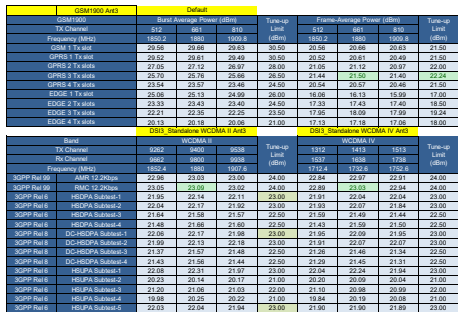
Band 38 DS13_ Standalone Ant 2									
RF [MHz]	Modulation	RIS Size	RIS Offset	Power Low Co [dBm]	Power High Co [dBm]	Power High Freq [dBm]	Turn-up test (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				31600	30900	30100			
				290	2900	2810			
5	QPSK	1	0	16.82	17.03	16.65			
5	QPSK	1	49	17.09	17.19	17.01	18.2	0	
20	QPSK	1	49	16.80	16.84	16.79			
20	QPSK	1	99	17.05	17.06	16.93			
20	QPSK	50	24	16.89	16.82	16.82	18.2	0	
20	QPSK	50	50	16.70	16.68	16.79			
20	QPSK	100	50	16.87	16.87	16.84			
20	16QAM	1	0	16.80	16.99	16.65			
20	16QAM	1	49	16.81	16.82	16.72	18.2	0	
20	16QAM	1	99	16.81	16.81	16.81			
20	16QAM	50	0	16.90	16.87	16.88			
20	16QAM	50	24	17.03	17.03	16.90	18.2	0	
20	16QAM	50	50	16.96	16.75	16.94			
20	16QAM	100	0	16.55	16.59	16.69			
20	64QAM	1	0	16.82	16.82	16.83			
20	64QAM	1	49	16.76	16.80	16.90	18.2	0	
20	64QAM	1	99	16.99	17.01	16.98			
20	64QAM	50	0	16.87	16.84	16.82			
20	64QAM	50	24	16.43	16.44	16.80			
20	64QAM	50	50	16.54	16.74	16.61			
20	64QAM	100	0	16.80	16.83	16.65			
20	256QAM	1	0	16.68	16.78	16.78			
20	256QAM	1	49	16.90	16.72	16.74	18.2	0	
20	256QAM	1	99	16.47	16.82	16.72			
20	256QAM	50	0	16.70	16.84	16.76			
20	256QAM	50	24	16.87	16.87	16.82	18.2	0	
20	256QAM	50	50	16.55	16.56	16.60			
20	256QAM	100	0	16.68	16.68	16.68			
Channel									
Frequency (MHz)				31600	30900	30100			
				297.5	2900	2817.5			
5	QPSK	1	0	16.82	17.03	16.65			
5	QPSK	1	25	16.96	17.19	16.92	18.2	0	
5	QPSK	1	74	16.74	16.67	16.72			
5	QPSK	1	99	16.87	16.87	16.74			
15	QPSK	30	20	16.62	16.58	16.68	18.2	0	
15	QPSK	30	49	16.87	16.87	16.87			
15	QPSK	75	0	16.66	16.75	16.74			
15	16QAM	1	0	16.70	16.80	16.74			
15	16QAM	1	24	16.81	16.81	16.81	18.2	0	
15	16QAM	1	74	16.61	16.83	16.75			
15	16QAM	30	0	16.80	16.69	16.80			
15	16QAM	30	29	16.87	16.88	16.92	18.2	0	
15	16QAM	75	0	16.50	16.80	16.81			
15	64QAM	1	0	16.48	16.71	16.80			
15	64QAM	1	27	16.71	16.60	16.74	18.2	0	
15	64QAM	1	74	16.87	16.87	16.87			
15	64QAM	30	0	16.59	16.74	16.61			
15	64QAM	30	20	16.30	16.52	16.60	18.2	0	
15	64QAM	75	0	16.51	16.51	16.50			
15	64QAM	75	0	16.48	16.62	16.61			
15	256QAM	1	0	16.54	16.56	16.40			
15	256QAM	1	25	16.79	16.99	16.74	18.2	0	
15	256QAM	1	74	16.25	16.48	16.40			
15	256QAM	30	0	16.56	16.82	16.54			
15	256QAM	30	20	16.52	16.52	16.52	18.2	0	
15	256QAM	30	30	16.44	16.53	16.41			
15	256QAM	75	0	16.51	16.51	16.50			
Channel									
Frequency (MHz)				31600	30900	30100			
				297.5	2900	2817.5			
5	QPSK	1	0	16.82	17.03	16.65			
5	QPSK	1	25	16.98	17.08	16.94	18.2	0	
5	QPSK	1	49	16.87	16.88	16.87			
5	QPSK	1	99	16.82	16.82	16.80			
5	QPSK	25	12	16.87	16.60	16.68			
5	QPSK	25	25	16.72	16.57	16.57	18.2	0	
5	QPSK	50	0	16.58	16.68	16.94			
5	16QAM	1	0	16.69	16.92	16.43			
5	16QAM	1	25	16.86	16.89	16.69	18.2	0	
5	16QAM	1	49	16.66	16.69	16.88			
5	16QAM	25	0	16.76	16.88	16.80			
5	16QAM	25	12	16.90	16.80	16.84	18.2	0	
5	16QAM	25	25	16.86	16.72	16.95			
5	16QAM	50	0	16.58	16.72	16.54			
5	64QAM	1	0	16.29	16.63	16.80			
5	64QAM	1	25	16.65	16.77	16.82	18.2	0	
5	64QAM	1	49	16.82	16.82	16.82			
5	64QAM	25	0	16.56	16.78	16.52			
5	64QAM	25	12	16.21	16.49	16.57	18.2	0	
5	64QAM	25	25	16.80	16.68	16.84			
5	64QAM	50	0	16.58	16.42	16.57			
5	256QAM	1	0	16.41	16.41	16.41			
5	256QAM	1	25	16.41	16.41	16.41	18.2	0	
5	256QAM	1	49	16.36	16.41	16.52			
5	256QAM	25	0	16.63	16.63	16.56			
5	256QAM	25	12	16.37	16.48	16.48	18.2	0	
5	256QAM	25	25	16.34	16.40	16.40			
5	256QAM	50	0	16.54	16.72	16.50			
Channel									
Frequency (MHz)				31775	30900	30225			
				297.5	2900	2817.5			
5	QPSK	1	0	16.82	17.03	16.65			
5	QPSK	1	12	16.99	17.15	16.96	18.2	0	
5	QPSK	1	25	16.87	16.87	16.87			
5	QPSK	12	0	16.86	16.94	16.73			
5	QPSK	12	12	16.63	16.66	16.77	18.2	0	
5	16QAM	1	0	16.70	16.70	16.73			
5	16QAM	1	0	16.82	16.89	16.80			
5	16QAM	1	0	16.80	16.82	16.80			
5	16QAM	1	12	16.84	16.84	16.82	18.2	0	
5	16QAM	1	24	16.70	16.66	16.85			
5	16QAM	1	24	16.82	16.82	16.74			
5	16QAM	12	7	16.61	17.04	16.79	18.2	0	
5	16QAM	12	13	16.86	16.74	16.81			
5	16QAM	25	0	16.58	16.88	16.46			
5	64QAM	1	0	16.46	16.75	16.83			
5	64QAM	1	12	16.69	16.63	16.76	18.2	0	
5	64QAM	1	24	16.35	16.48	16.81			
5	64QAM	12	13	16.23	16.47	16.47			
5	64QAM	25	0	16.55	16.46	16.51			
5	256QAM	1	0	16.40	16.40	16.40			
5	256QAM	1	12	16.38	16.46	16.65	18.2	0	
5	256QAM	1	24	16.31	16.34	16.70			
5	256QAM	12	0	16.59	16.52	16.68			
5	256QAM	12	7	16.41	16.33	16.52			
5	256QAM	12	13	16.30	16.44	16.54			
5	256QAM	25	0	16.79	16.82	16.82	18.2	0	

Band 41 FCC&1D53_ Standalone Ant 2												
PRU [MHz]	Modulation	RIS Size	RIS Offset	Power Low Ch. [mW]	Power Low Mds [mW]	Power Mds [mW]	Power High Mds [mW]	Power High Ch. [mW]	Time-up time (s/min)	MPR (dB)		
Channel												
Frequency (MHz)				39970	40185	40600	41055	41460				
				2565	2649	5193	2393	2180				
20	QPSK	1	0	15.97	16.18	17.19	17.07	16.88	18.2	0		
20	QPSK	1	49	15.97	16.18	17.19	17.07	16.88				
20	QPSK	1	99	15.98	16.08	17.01	17.00	16.81				
20	QPSK	1	149	15.98	16.08	17.01	17.00	16.81				
20	QPSK	50	24	15.90	16.84	18.85	17.02	16.81	18.2	0		
20	QPSK	50	50	15.96	16.87	18.87	17.07	16.81				
20	QPSK	50	75	15.84	16.80	18.80	16.90	16.79				
20	QPSK	50	99	15.84	16.80	18.80	16.90	16.79				
20	16QAM	1	0	16.91	16.82	17.12	16.83	17.06	18.2	0		
20	16QAM	1	49	16.91	16.82	17.12	16.83	17.06				
20	16QAM	1	99	17.03	17.02	16.89	16.89	16.98				
20	16QAM	1	149	17.03	17.02	16.89	16.89	16.98				
20	16QAM	50	24	16.87	16.97	17.08	17.02	16.85	18.2	0		
20	16QAM	50	50	16.93	16.93	17.08	17.07	16.87				
20	16QAM	50	75	16.98	17.01	16.89	17.00	16.97				
20	16QAM	50	99	16.98	17.01	16.89	17.00	16.97				
20	16QAM	100	0	16.71	16.76	17.13	16.91	16.77	18.2	0		
20	16QAM	100	24	16.72	16.68	16.87	16.87	16.86				
20	16QAM	100	49	16.76	16.88	16.87	16.87	16.86				
20	16QAM	100	75	16.90	16.93	17.16	16.96	16.90				
20	64QAM	1	0	16.80	16.68	16.88	16.80	16.80	18.2	0		
20	64QAM	1	49	16.80	16.68	16.88	16.80	16.80				
20	64QAM	50	24	16.84	16.58	16.71	16.83	16.83				
20	64QAM	50	49	16.84	16.58	16.71	16.83	16.83				
20	64QAM	100	0	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79	16.84	16.70				
20	64QAM	100	75	16.77	16.58	16.81	16.84	16.84	18.2	0		
20	64QAM	100	24	16.77	16.58	16.81	16.84	16.84				
20	64QAM	100	49	16.80	16.72	16.79						



Band 41 PC2 FCC&IC DS13_Standalone Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq	Power Low Mod Ch / Freq	Power High Mod Ch / Freq	Power High Mod Ch / Freq	Power High Mod Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	39750	40185	40620	41055	41490		
20	QPSK	1	49	18.70	18.58	18.53	18.50	18.73	19.8	0
20	QPSK	1	49	18.45	18.66	18.72	18.70	18.53		
20	QPSK	1	99	18.05	18.83	18.81	18.84	18.50		
20	QPSK	50	0	18.05	18.73	18.70	18.71	18.08		
20	QPSK	50	24	18.61	18.45	18.43	18.66	18.34		
20	QPSK	50	24	18.51	18.50	18.50	18.51	18.51	19.8	0
20	QPSK	100	0	18.32	18.60	18.70	18.51	18.41		
20	16QAM	1	0	18.56	18.50	18.81	18.54	18.65		
20	16QAM	1	49	18.40	18.53	18.46	18.44	18.31	19.8	0
20	16QAM	1	99	18.70	18.71	18.43	18.89	18.47		
20	16QAM	50	0	18.57	18.58	18.80	18.86	18.42		
20	16QAM	50	24	18.51	18.36	18.87	18.88	18.40		
20	16QAM	50	50	18.69	18.64	18.41	18.70	18.38	19.8	0
20	16QAM	100	0	18.37	18.42	18.74	18.20	18.20		
20	64QAM	1	0	18.24	18.37	18.49	18.55	18.41		
20	64QAM	1	49	18.33	18.41	18.42	18.46	18.22	19.8	0
20	64QAM	1	99	18.51	18.52	18.50	18.37	18.41		
20	64QAM	50	0	18.31	18.21	18.43	18.33	18.40		
20	64QAM	50	24	18.40	18.30	18.20	18.45	18.20		
20	64QAM	50	50	18.34	18.00	18.42	18.30	18.10	19.8	0
20	64QAM	100	0	18.26	18.43	18.45	18.38	18.43		
20	256QAM	1	0	18.42	18.21	18.46	18.26	18.31		
20	256QAM	1	49	18.29	18.47	18.04	18.28	18.37		
20	256QAM	1	99	18.21	18.17	18.20	18.49	18.33	19.8	0
20	256QAM	50	0	18.46	18.26	18.46	18.27	18.34		
20	256QAM	50	24	18.27	18.30	18.06	18.47	18.23		
20	256QAM	50	50	18.08	18.38	18.39	18.17	18.06	19.8	0
20	256QAM	100	0	18.53	18.54	18.45	18.40	18.40		
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.13	20.43	20.73	21.03	21.33	Turn-up limit (dBm)	MPR (dB)
15	QPSK	1	37	18.32	18.45	18.82	18.48	18.44	19.8	0
15	QPSK	1	74	18.30	18.34	18.41	18.38	18.37		
15	QPSK	36	0	18.39	18.51	18.82	18.51	18.48		
15	QPSK	36	20	18.38	18.23	18.23	18.34	18.19	19.8	0
15	QPSK	75	0	18.03	18.45	18.40	18.37	18.12		
15	16QAM	1	0	18.27	18.40	18.63	18.30	18.47		
15	16QAM	1	37	18.20	18.41	18.38	18.29	18.17	19.8	0
15	16QAM	1	74	18.57	18.40	18.38	18.48	18.24		
15	16QAM	36	0	18.27	18.33	18.71	18.49	18.16		
15	16QAM	36	20	18.35	18.05	18.42	18.05	18.30	19.8	0
15	16QAM	36	36	18.46	18.39	18.11	18.05	18.11		
15	16QAM	75	0	18.01	18.30	18.43	18.30	17.99		
15	64QAM	1	0	18.05	18.18	18.24	18.20	18.11		
15	64QAM	1	37	18.04	18.26	18.13	18.24	17.82	19.8	0
15	64QAM	1	74	18.30	18.42	18.69	18.10	18.22		
15	64QAM	36	0	17.99	18.08	18.14	18.09	18.36		
15	64QAM	36	20	18.15	18.19	18.08	18.18	18.06	19.8	0
15	64QAM	36	36	18.05	18.32	18.07	18.07	17.87		
15	64QAM	75	0	18.00	18.23	18.20	18.27	18.27		
15	256QAM	1	0	18.23	18.12	18.20	18.08	18.04	19.8	0
15	256QAM	1	37	17.98	18.38	18.17	18.15	18.37		
15	256QAM	1	74	18.12	17.98	18.04	18.20	18.08		
15	256QAM	36	0	18.32	18.04	18.33	18.41	18.19		
15	256QAM	36	20	18.14	18.02	17.89	18.20	18.05	19.8	0
15	256QAM	36	36	17.78	18.13	18.17	17.87	17.84		
15	256QAM	75	0	18.30	18.31	18.30	18.12	18.00		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.41	24.79	24.80	25.18	25.60	Turn-up limit (dBm)	MPR (dB)
10	QPSK	1	25	18.20	18.38	18.40	18.61	18.26	19.8	0
10	QPSK	1	49	18.38	18.41	18.20	18.47	18.33		
10	QPSK	1	99	18.30	18.50	18.37	18.41	18.30		
10	QPSK	25	12	18.40	18.19	18.14	18.39	18.08	19.8	0
10	QPSK	25	25	18.21	18.35	18.25	18.00	18.43		
10	16QAM	1	0	18.21	18.38	18.34	18.29	18.11		
10	16QAM	1	0	18.48	18.31	18.84	18.28	18.48		
10	16QAM	1	25	18.18	18.28	18.16	18.34	18.03	19.8	0
10	16QAM	1	49	18.51	18.53	18.32	18.31	18.20		
10	16QAM	25	0	18.30	18.36	18.64	18.42	18.16		
10	16QAM	25	12	18.25	18.19	18.38	18.04	18.32		
10	16QAM	25	25	18.03	18.43	18.31	18.08	18.06	19.8	0
10	16QAM	50	0	18.12	18.35	18.58	18.32	18.13		
10	64QAM	1	0	18.14	18.09	18.37	18.31	18.08		
10	64QAM	1	25	18.22	18.29	18.22	18.23	18.04	19.8	0
10	64QAM	1	49	18.19	18.26	18.69	18.22	18.33		
10	64QAM	25	0	18.06	18.08	18.14	18.06	18.21		
10	64QAM	25	12	18.24	18.01	18.06	18.19	18.12	19.8	0
10	64QAM	25	25	18.08	17.83	18.20	18.14	18.00		
10	64QAM	50	0	18.11	18.24	18.15	18.09	18.27		
10	256QAM	1	0	18.32	18.08	18.22	17.87	18.08		
10	256QAM	1	25	18.05	18.26	18.53	18.05	18.11	19.8	0
10	256QAM	1	49	18.05	18.65	18.00	18.18	18.15		
10	256QAM	25	0	18.30	18.07	18.33	18.38	18.26		
10	256QAM	25	12	18.17	18.10	17.86	18.27	17.96	19.8	0
10	256QAM	25	25	17.85	18.14	18.28	18.05	17.91		
10	256QAM	50	0	18.29	18.24	18.38	18.14	18.19		
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.51	18.41	18.89	18.33	18.54	Turn-up limit (dBm)	MPR (dB)
5	QPSK	1	12	18.10	18.34	18.45	18.20	18.37	19.8	0
5	QPSK	1	24	18.20	18.54	18.37	18.42	18.27		
5	QPSK	12	0	18.34	18.49	18.53	18.42	18.46		
5	QPSK	12	7	18.44	18.20	18.24	18.54	18.11	19.8	0
5	QPSK	12	18	18.37	18.36	18.42	18.18	18.51		
5	QPSK	25	0	18.20	18.52	18.55	18.29	18.12		
5	16QAM	1	0	18.47	18.39	18.88	18.28	18.54		
5	16QAM	1	12	18.21	18.44	18.32	18.19	18.20	19.8	0
5	16QAM	1	24	18.63	18.61	18.21	18.82	18.18		
5	16QAM	12	0	18.37	18.27	18.87	18.39	18.14		
5	16QAM	12	7	18.42	18.26	18.44	18.53	18.19	19.8	0
5	16QAM	12	13	18.44	18.42	18.38	18.61	18.13		
5	16QAM	25	0	18.17	18.26	18.58	18.32	18.08		
5	64QAM	1	0	18.14	18.11	18.33	18.20	18.21	19.8	0
5	64QAM	1	12	18.23	18.20	18.12	18.34	18.06		
5	64QAM	1	24	18.25	18.41	18.55	18.13	18.12		
5	64QAM	12	0	18.11	18.10	18.33	18.19	18.30		
5	64QAM	12	7	18.27	18.20	18.38	18.23	18.00	19.8	0
5	64QAM	12	13	18.25	17.86	18.31	17.89	17.85		
5	64QAM	25	0	18.21	18.16	18.35	18.20	18.38		
5	256QAM	1	0	18.24	18.12	18.14	17.88	18.17		
5	256QAM	1	12	18.08	18.17	18.40	18.01	18.24	19.8	0
5	256QAM	1	24	17.80	18.02	18.07	18.28	18.18		
5	256QAM	12	0	18.26	18.04	18.22	18.28	18.02		
5	256QAM	12	7	17.87	18.18	17.84	18.23	18.10	19.8	0
5	256QAM	12	13	17.80	18.17	18.21	18.03	17.80		
5	256QAM	25	0	18.22	18.39	18.33	18.20	18.31		

Band 48 Default Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Freq [MHz]	Power Low Mid Freq	Power High Mid Freq	Power High Freq [MHz]	Turn-up limit (dBm)	MPR (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.19	20.51	20.47	20.43			
20	QPSK	1	49	20.17	20.43	20.35	20.30	21	0	
20	QPSK	1	99	20.10	20.36	20.27	20.26			
20	QPSK	50	0	20.33	20.48	20.38	20.30			
20	QPSK	50	24	20.23	20.31	20.33	20.26	21	0	
20	QPSK	100	0	20.30	20.50	20.42	20.30			
20	QPSK	100	0	20.30	20.42	20.24	20.31			
20	16QAM	1	0	20.28	20.43	20.26	20.22			
20	16QAM	1	49	20.25	20.43	20.23	20.21	21	0	
20	16QAM	1	99	20.22	20.39	20.20	20.17			
20	16QAM	50	0	20.30	20.22	20.10	20.08			
20	16QAM	50	24	20.25	20.39	20.15	20.03			
20	16QAM	50	50	19.91	20.00	19.93	19.90	20.5	0.5	
20	16QAM	100	0	20.04	20.16	19.88	19.84			
20	16QAM	100	0	20.04	20.08	19.80	19.74			
20	16QAM	1	49	19.92	20.03	19.92	19.90	20.5	0.5	
20	16QAM	1	99	19.95	20.03	19.83	19.83			
20	64QAM	50	0	19.90	19.15	19.04	19.07			
20	64QAM	50	24	19.86	19.07	19.07	19.09	19.5	1.5	
20	64QAM	50	49	19.80	18.97	18.87	18.87			
20	64QAM	1	0	18.82	18.88	18.81	18.92			
20	256QAM	1	0	18.91	17.07	16.92	16.96			
20	256QAM	1	49	18.85	16.92	16.83	16.87	17.5	3.5	
20	256QAM	1	99	18.80	16.83	16.83	16.79			
20	256QAM	50	0	18.90	17.19	16.96	17.02			
20	256QAM	50	24	18.97	17.01	16.99	16.92	17.5	3.5	
20	256QAM	50	50	18.92	16.99	16.91	16.94			
20	256QAM	50	74	18.92	17.22	17.01	17.17			
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.15	19.46	19.42	19.43			
15	QPSK	1	37	19.11	19.29	19.28	19.24	21	0	
15	QPSK	1	74	19.03	19.27	19.24	19.21			
15	QPSK	50	0	19.24	19.43	19.35	19.31			
15	QPSK	50	20	19.18	19.22	19.27	19.12	21	0	
15	QPSK	50	49	19.10	19.28	19.07	19.19			
15	QPSK	75	0	19.13	19.31	19.14	19.22			
15	16QAM	1	0	19.21	19.32	19.11	19.22			
15	16QAM	1	37	19.15	19.15	19.23	19.05	20.5	0.5	
15	16QAM	1	74	19.07	19.22	19.14	19.07			
15	16QAM	50	0	19.05	19.21	19.02	19.06			
15	16QAM	50	20	19.09	19.03	19.03	18.96	20.5	0.5	
15	16QAM	50	39	19.03	19.06	18.79	19.02			
15	16QAM	50	59	18.99	18.99	18.72	18.95			
15	16QAM	1	0	19.00	19.00	19.08	19.02			
15	16QAM	1	37	19.01	19.04	19.01	19.07	20.5	0.5	
15	16QAM	1	74	18.95	18.98	18.95	18.92			
15	16QAM	50	0	18.89	19.11	18.87	19.03			
15	16QAM	50	20	18.85	19.03	18.89	18.90	19.5	1.5	
15	16QAM	50	39	18.80	18.86	18.87	18.81			
15	16QAM	75	0	18.79	18.88	18.86	18.78			
15	256QAM	1	0	18.87	17.01	16.74	16.91			
15	256QAM	1	37	18.87	16.88	16.73	16.78	17.5	3.5	
15	256QAM	1	74	18.86	16.92	16.76	16.81			
15	256QAM	50	0	18.96	16.94	16.95	16.87	17.5	3.5	
15	256QAM	50	39	18.79	16.92	16.83	16.91			
15	256QAM	50	74	18.77	17.02	16.99	17.11			
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.15	19.46	19.43	19.43			
10	QPSK	1	26	19.07	19.37	19.25	19.20	21	0	
10	QPSK	1	69	19.00	19.29	19.15	19.18			
10	QPSK	25	0	20.23	20.37	20.25	20.20			
10	QPSK	25	12	20.13	20.22	20.20	20.12	21	0	
10	QPSK	25	39	20.11	20.24	20.20	20.14			
10	QPSK	50	0	20.19	20.27	20.15	20.25			
10	16QAM	1	0	19.15	19.35	19.19	19.27			
10	16QAM	1	26	19.10	19.13	19.20	19.03	21	0	
10	16QAM	1	49	19.09	19.16	19.12	19.06			
10	16QAM	25	0	19.06	19.16	19.05	19.04			
10	16QAM	25	12	19.09	19.09	19.03	19.01	20.5	0.5	
10	16QAM	25	26	18.94	18.89	18.87	18.81			
10	16QAM	50	0	19.00	19.10	19.01	19.07			
10	64QAM	1	0	19.09	19.12	19.09	19.20	20.5	0.5	
10	64QAM	1	26	18.89	19.02	19.07	18.98			
10	64QAM	1	49	18.87	18.87	18.93	18.71			
10	64QAM	25	0	18.89	19.08	18.95	19.04			
10	64QAM	25	12	18.86	18.82	18.83	18.80	19.5	1.5	
10	64QAM	25	26	18.76	18.88	18.76	18.84			
10	64QAM	50	0	18.60	18.94	18.80	18.84			
10	256QAM	1	0	18.87	16.99	16.76	16.87			
10	256QAM	1	26	18.77	16.93	16.77	16.81	17.5	3.5	
10	256QAM	1	49	18.83	16.72	16.70	16.71			
10	256QAM	25	0	18.90	17.02	16.98	17.05			
10	256QAM	25	12	16.98	16.96	16.92	16.78	17.5	3.5	
10	256QAM	25	26	17.02	16.88	16.81	16.81			
10	256QAM	50	0	18.89	17.17	16.99	17.05			
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.10	20.42	20.38	20.12			
5	QPSK	1	12	20.08	20.30	20.23	20.15	21	0	
5	QPSK	1	24	20.05	20.29	20.16	20.13			
5	QPSK	12	0	20.30	20.35	20.34	20.31			
5	QPSK	12	7	20.19	20.17	20.22	20.21	21	0	
5	QPSK	12	13	20.11	20.25	20.20	20.15			
5	QPSK	25	0	19.19	19.29	19.16	19.20			
5	QPSK	1	0	20.23	20.31	20.17	20.28			
5	QPSK	1	12	20.14	20.14	20.21	20.07	21	0	
5	16QAM	1	24	20.10	20.15	20.17	20.02			
5	16QAM	12	0	20.01	20.05	20.06	20.00			
5	16QAM	12	9	19.97	20.00	19.94	19.93	20.5	0.5	
5	16QAM	12	13	19.78	19.88	19.79	19.79			
5	16QAM	1	0	19.95	20.12	19.92	19.89			
5	16QAM	1	0	20.01	20.10	19.99	19.97			
5	16QAM	1	12	19.90	19.94	19.89	19.83			
5	16QAM	1	12	19.87	19.89	19.83	19.89			
5	16QAM	12	0	18.85	19.03	18.95	18.99			
5	16QAM	12	9	18.87	18.95	18.88	18.89	19.5	1.5	
5	16QAM	12	13	18.87	18.93	18.86	18.83			
5	256QAM	1	12	16.90	16.92	16.89	16.83	17.5	3.5	
5	256QAM	1	24	16.73	16.76	16.73	16.71			
5	256QAM	12	0	16.86	17.02	16.97	17.04			
5	256QAM	12	7	16.84	16.93	16.85	16.85	17.5	3.5	
5	256QAM	12	13	16.82	16.89	16.80	16.78			
5	256QAM	25	0	17.07	17.14	17.07	17.00			



Band 2 Default Ant 3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.66	22.72	22.75			24	0		
20	QPSK	1	49	22.62	22.68	22.72						
20	QPSK	1	99	22.45	22.58	22.63						
20	QPSK	50	0	22.49	22.67	22.63						
20	QPSK	50	24	22.45	22.65	22.69			24	0		
20	QPSK	50	50	22.38	22.47	22.38						
20	QPSK	100	0	22.45	22.65	22.61						
20	16QAM	1	0	22.40	22.48	22.46						
20	16QAM	1	49	22.36	22.45	22.41			24	0		
20	16QAM	1	99	22.33	22.44	22.37						
20	16QAM	50	0	22.38	22.54	22.44						
20	16QAM	50	24	22.38	22.37	22.31						
20	16QAM	50	50	22.32	22.38	22.31			24	0		
20	16QAM	100	0	22.38	22.49	22.39						
20	16QAM	100	0	22.29	22.47	22.31						
20	84QAM	1	49	22.29	22.29	22.29			24	0		
20	84QAM	1	99	22.24	22.32	22.27						
20	84QAM	50	0	22.28	22.48	22.29						
20	84QAM	50	24	22.28	22.34	22.24						
20	84QAM	50	50	22.26	22.34	22.29			24	0		
20	84QAM	100	0	22.42	22.48	22.38						
20	256QAM	1	49	19.51	19.61	19.45						
20	256QAM	1	99	19.38	19.43	19.33			21	3		
20	256QAM	50	0	19.47	19.63	19.49						
20	256QAM	50	24	19.33	19.39	19.36						
20	256QAM	50	50	19.25	19.35	19.32						
20	256QAM	100	0	19.43	19.53	19.43			21	3		
Channel												
Frequency (MHz)												
18	QPSK	1	0	22.60	22.68	22.61			24	0		
18	QPSK	1	37	22.42	22.48	22.49						
18	QPSK	1	74	22.40	22.49	22.46						
18	QPSK	36	0	22.42	22.59	22.47						
18	QPSK	36	39	22.31	22.39	22.29			24	0		
18	QPSK	75	0	22.34	22.59	22.34						
18	16QAM	1	0	22.30	22.42	22.42						
18	16QAM	1	37	22.24	22.41	22.29						
18	16QAM	1	74	22.24	22.39	22.29			24	0		
18	16QAM	36	0	22.29	22.42	22.34						
18	16QAM	36	39	22.20	22.23	22.02						
18	16QAM	75	0	22.26	22.44	22.27			24	0		
18	84QAM	1	0	22.17	22.37	22.21						
18	84QAM	1	37	22.02	22.21	22.08						
18	84QAM	1	74	22.14	22.21	22.21			24	0		
18	84QAM	36	0	22.23	22.41	22.19						
18	84QAM	36	39	22.10	22.23	22.02						
18	84QAM	75	0	22.28	22.34	22.29			24	0		
18	256QAM	1	0	19.35	19.51	19.42						
18	256QAM	1	37	19.39	19.50	19.40						
18	256QAM	1	74	19.33	19.30	19.26			21	3		
18	256QAM	36	0	19.37	19.54	19.45						
18	256QAM	36	39	19.23	19.35	19.26						
18	256QAM	75	0	19.38	19.43	19.38						
18	256QAM	75	0	19.38	19.43	19.38			21	3		
Channel												
Frequency (MHz)												
18	QPSK	1	0	22.60	22.68	22.61					24	0
18	QPSK	1	25	22.46	22.54	22.50						
18	QPSK	1	49	22.34	22.52	22.43						
18	QPSK	1	74	22.40	22.49	22.46						
18	QPSK	12	0	22.32	22.70	22.45			24	0		
18	QPSK	12	12	22.32	22.70	22.45						
18	QPSK	25	12	22.37	22.50	22.43						
18	QPSK	25	25	22.27	22.33	22.27						
18	QPSK	36	0	22.30	22.42	22.32			24	0		
18	QPSK	36	39	22.26	22.37	22.26						
18	16QAM	1	0	22.26	22.40	22.37						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			24	0		
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24						
18	16QAM	1	26	22.17	22.35	22.24			2			

Band 25 Default Ant 3										
SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up Intvl (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
25	QPSK	1	0	22.60	22.76	22.72	24	0		
25	QPSK	1	48	22.43	22.62	22.64				
25	QPSK	1	96	22.36	22.68	22.65				
25	QPSK	50	0	22.50	22.66	22.47				
25	QPSK	50	24	22.38	22.62	22.47	24	0		
25	QPSK	50	50	22.39	22.49	22.45				
25	QPSK	100	0	22.49	22.62	22.53				
25	16QAM	1	49	22.36	22.42	22.38				
25	16QAM	1	99	22.39	22.44	22.38	24	0		
25	16QAM	50	0	22.37	22.58	22.37				
25	16QAM	50	24	22.40	22.46	22.42				
25	16QAM	50	50	22.34	22.36	22.34				
25	16QAM	100	0	22.47	22.61	22.46	24	0		
25	64QAM	1	0	22.39	22.55	22.46				
25	64QAM	1	49	22.39	22.46	22.32				
25	64QAM	50	0	21.45	21.56	21.45				
25	64QAM	50	24	21.38	21.38	21.36	23	1		
25	64QAM	50	50	21.38	21.33	21.34				
25	64QAM	100	0	21.59	21.64	21.57				
25	256QAM	1	0	19.51	19.65	19.57				
25	256QAM	1	49	19.43	19.43	19.43	21	3		
25	256QAM	1	99	19.44	19.42	19.40				
25	256QAM	50	0	19.38	19.48	19.41				
25	256QAM	50	24	19.38	19.46	19.41				
25	256QAM	50	50	19.42	19.40	19.39	21	3		
25	256QAM	100	0	19.32	19.53	19.40				
Channel				26115	26560	26560	Time-up Intvl (sec)	MPE (dB)		
Frequency (MHz)				1867.5	1885	1907.5				
15	QPSK	1	0	22.50	22.68	22.65	24	0		
15	QPSK	1	37	22.45	22.68	22.47				
15	QPSK	1	74	22.27	22.64	22.68				
15	QPSK	36	0	22.38	22.62	22.37				
15	QPSK	36	24	22.30	22.37	22.41	24	0		
15	QPSK	36	36	22.35	22.43	22.42				
15	QPSK	75	0	22.44	22.56	22.41				
15	16QAM	1	0	22.36	22.51	22.34				
15	16QAM	1	37	22.25	22.39	22.31	24	0		
15	16QAM	1	74	22.28	22.56	22.52				
15	16QAM	36	0	22.26	22.53	22.29				
15	16QAM	36	20	22.32	22.33	22.33				
15	16QAM	36	20	22.32	22.33	22.33	24	0		
15	16QAM	75	0	22.34	22.58	22.43				
15	64QAM	1	0	22.30	22.42	22.36				
15	64QAM	1	48	22.32	22.41	22.35				
15	64QAM	1	74	22.22	22.24	22.13	23	1		
15	64QAM	36	0	21.34	21.52	21.34				
15	64QAM	36	20	21.32	21.33	21.34				
15	64QAM	36	36	21.15	21.15	21.24				
15	64QAM	75	0	21.62	21.68	21.54	23	1		
15	256QAM	1	0	19.40	19.53	19.40				
15	256QAM	1	37	19.40	19.51	19.37				
15	256QAM	1	74	19.30	19.38	19.36				
15	256QAM	36	0	19.32	19.52	19.45	21	3		
15	256QAM	36	20	19.32	19.43	19.29				
15	256QAM	36	36	19.34	19.35	19.26				
15	256QAM	75	0	19.32	19.53	19.40				
Channel				26560	26640	26640	Time-up Intvl (sec)	MPE (dB)		
Frequency (MHz)				22.50	22.63	22.64				
10	QPSK	1	0	22.50	22.63	22.54	24	0		
10	QPSK	1	26	22.35	22.52	22.44				
10	QPSK	1	49	22.26	22.47	22.47				
10	QPSK	12	0	22.45	22.61	22.44				
10	QPSK	25	12	22.35	22.37	22.40	24	0		
10	QPSK	25	25	22.30	22.35	22.38				
10	QPSK	80	80	22.38	22.48	22.41				
10	16QAM	1	0	22.30	22.48	22.36				
10	16QAM	1	26	22.25	22.37	22.29	24	0		
10	16QAM	1	49	22.14	22.26	22.18				
10	16QAM	25	0	22.34	22.52	22.28				
10	16QAM	25	12	22.28	22.38	22.38				
10	16QAM	25	12	22.28	22.34	22.29	24	0		
10	16QAM	50	0	22.33	22.52	22.34				
10	64QAM	1	0	22.30	22.42	22.33				
10	64QAM	1	26	22.23	22.35	22.21				
10	64QAM	1	49	22.15	22.23	22.14	23	1		
10	64QAM	25	0	21.37	21.45	21.35				
10	64QAM	25	12	21.34	21.34	21.29				
10	64QAM	25	25	21.22	21.26	21.25				
10	64QAM	50	0	21.54	21.54	21.43	23	1		
10	256QAM	1	0	19.48	19.55	19.43				
10	256QAM	1	26	19.38	19.59	19.44				
10	256QAM	1	49	19.35	19.55	19.36				
10	256QAM	25	0	19.32	19.53	19.45	21	3		
10	256QAM	25	12	19.32	19.32	19.33				
10	256QAM	25	25	19.37	19.26	19.25				
10	256QAM	50	0	19.41	19.53	19.47				
Channel				1862.5	1880	1902.5	Time-up Intvl (sec)	MPE (dB)		
Frequency (MHz)				1867.5	1885	1910				
3	QPSK	1	0	22.47	22.65	22.68	24	0		
3	QPSK	1	12	22.42	22.57	22.40				
3	QPSK	1	24	22.25	22.46	22.41				
3	QPSK	12	0	22.45	22.62	22.44				
3	QPSK	12	7	22.30	22.48	22.38	24	0		
3	QPSK	12	13	22.26	22.44	22.38				
3	QPSK	26	0	22.43	22.49	22.40				
3	16QAM	1	0	22.29	22.48	22.40				
3	16QAM	1	12	22.32	22.29	22.24	24	0		
3	16QAM	1	24	22.28	22.45	22.35				
3	16QAM	12	0	22.34	22.48	22.23				
3	16QAM	12	7	22.33	22.39	22.36				
3	16QAM	12	13	22.26	22.35	22.25	24	0		
3	16QAM	25	0	22.36	22.49	22.35				
3	64QAM	1	0	22.32	22.47	22.42				
3	64QAM	1	12	22.28	22.34	22.17				
3	64QAM	1	24	22.14	22.24	22.25	23	1		
3	64QAM	12	0	21.34	21.47	21.36				
3	64QAM	12	12	21.28	21.24	21.29				
3	64QAM	12	13	21.12	21.27	21.24				
3	64QAM	25	0	21.46	21.59	21.49	23	1		
3	256QAM	1	0	19.47	19.57	19.38				
3	256QAM	1	12	19.38	19.52	19.33				
3	256QAM	1	24	19.31	19.36	19.28				
3	256QAM	12	0	19.37	19.58	19.42	21	3		
3	256QAM	12	7	19.32	19.41	19.26				
3	256QAM	12	13	19.38	19.32	19.30				
3	256QAM	25	0	19.31	19.50	19.40				
Channel				26047	26490	26490	Time-up Intvl (sec)	MPE (dB)		
Frequency (MHz)				1861.5	1880.5	1913.5				
3	QPSK	1	0	22.47	22.65	22.68	24	0		
3	QPSK	1	12	22.42	22.57	22.40				
3	QPSK	1	24	22.25	22.46	22.41				
3	QPSK	12	0	22.45	22.62	22.44				
3	QPSK	12	7	22.30	22.48	22.38	24	0		
3	QPSK	12	13	22.26	22.44	22.38				
3	QPSK	26	0	22.43	22.49	22.40				
3	16QAM	1	0	22.29	22.49	22.40				
3	16QAM	1	12	22.32	22.29	22.24	24	0		
3	16QAM	1	24	22.28	22.45	22.35				
3	16QAM	12	0	22.34	22.48	22.23				
3	16QAM	12	7	22.33	22.39	22.36				
3	16QAM	12	13	22.26	22.35	22.25	24	0		
3	16QAM	25	0	22.36	22.49	22.35				
3	64QAM	1	0	22.32	22.47	22.42				
3	64QAM	1	12	22.28	22.34	22.17				
3	64QAM	1	24	22.14	22.24	22.25	23	1		
3	64QAM	12	0	21.34	21.47	21.36				
3	64QAM	12	12	21.28	21.24	21.29				
3	64QAM	12	13	21.12	21.27	21.24				
3	64QAM	25	0	21.46	21.59	21.49	23	1		
3	256QAM	1	0	19.47	19.57	19.38				
3	256QAM	1	12	19.38	19.52	19.33				
3	256QAM	1	24	19.31	19.36	19.28				
3	256QAM	12	0	19.37	19.58	19.42	21	3		
3	256QAM	12	7	19.32	19.41	19.26				
3	256QAM	12	13	19.38	19.32	19.30				
3	256QAM	25	0	19.31	19.50	19.40				
Channel				26047	26490	26490	Time-up Intvl (sec)	MPE (dB)		
Frequency (MHz)				1860.7	1880	1913.1				
1.4	QPSK	1	0	22.47	22.62	22.69	24	0		
1.4	QPSK	1	37	22.41	22.62	22.46				
1.4	QPSK	1	59	22.23	22.44	22.48				
1.4	QPSK	3	0	22.47	22.63	22.47				
1.4	QPSK	3	3	22.35	22.43	22.38	24	0		
1.4	QPSK	3	37	22.36	22.45	22.36				
1.4	QPSK	3	59	22.27	22.51	22.53				
1.4	16QAM	1	0	22.35	22.46	22.36				
1.4	16QAM	1	37	22.35	22.38	22.33	24	0		
1.4	16QAM	1	59	22.26	22.45	22.46				
1.4	16QAM	3	0	22.26	22.45	22.36				
1.4	16QAM	3	3	22.31	22.38	22.33				
1.4	16QAM	3	37	22.27	22.32	22.24	23	1		
1.4	16QAM	6	0	22.41	22.48	22.38				
1.4	16QAM	6	0	22.36	22.42	22.34				
1.4	16QAM	6	37	22.32	22.32	22.26				
1.4	16QAM	6	59	22.23	22.22	22.14	24	0		
1.4	16QAM	3	0	22.23	22.22	22.24				
1.4	16QAM	3	37	22.25	22.32	22.26				
1.4	16QAM	3	59	22.14	22.11	22.10				
1.4	16QAM	6	0	21.54	21.51	21.50	23	1		
1.4	16QAM	6	37	21.52	21.52	21.47				
1.4	16QAM	6	59	21.45	21.45	21.40				
1.4	16QAM	12	0	21.57	21.61	21.57				
1.4	256QAM	1	14	19.30	19.30	19.27				

Band 38 DS13_Standalone Ant 3													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)				37860	38000	38160							
20	QPSK	1	0	20.74	20.80	20.48	22.2	0					
20	QPSK	1	49	20.45	20.74	20.48							
20	QPSK	1	99	20.56	20.80	20.60							
20	QPSK	50	0	20.64	20.80	20.60							
20	QPSK	50	24	20.70	20.85	20.82	22.2	0					
20	QPSK	50	50	20.82	20.83	20.82							
20	QPSK	100	0	20.70	20.73	20.52							
20	16QAM	1	0	20.76	20.83	20.78							
20	16QAM	1	49	20.72	20.78	20.81	22.2	0					
20	16QAM	1	99	20.77	20.78	20.80							
20	16QAM	50	0	20.73	20.83	20.80							
20	16QAM	50	24	20.29	20.51	20.41							
20	16QAM	50	50	20.45	20.84	20.52	22.2	0					
20	16QAM	100	0	20.60	20.80	20.50							
20	64QAM	1	0	20.63	20.71	20.65							
20	64QAM	1	49	20.66	20.70	20.65							
20	64QAM	1	99	20.57	20.77	20.53	22.2	0					
20	64QAM	50	0	20.57	20.75	20.56							
20	64QAM	50	24	20.29	20.51	20.50							
20	64QAM	50	50	20.29	20.49	20.41							
20	64QAM	100	0	20.48	20.59	20.56	22.2	0					
20	256QAM	1	0	19.81	20.02	19.87							
20	256QAM	1	49	19.81	20.02	19.85							
20	256QAM	1	99	19.80	19.77	19.75							
20	256QAM	36	0	19.89	19.84	19.86	20.5	1.7					
20	256QAM	36	9	19.89	19.85	19.87							
20	256QAM	50	24	18.89	19.85	19.87							
20	256QAM	50	50	19.82	19.85	19.77							
20	256QAM	100	0	19.81	19.73	19.80	20.5	1.7					
Channel													
Frequency (MHz)				37860	38000	38178	Turn-up limit (dBm)				MPR (dB)		
16	QPSK	1	0	20.63	20.73	20.43	22.2	0					
16	QPSK	1	37	20.47	20.67	20.33							
16	QPSK	1	74	20.53	20.40	20.57							
16	QPSK	36	0	20.52	20.67	20.46							
16	QPSK	36	20	20.68	20.45	20.70	22.2	0					
16	QPSK	75	0	20.68	20.52	20.50							
16	16QAM	1	0	20.63	20.81	20.56							
16	16QAM	1	37	20.76	20.78	20.81							
16	16QAM	1	74	20.69	20.67	20.62	22.2	0					
16	16QAM	36	0	20.74	20.47	20.45							
16	16QAM	36	20	20.33	20.25	20.70							
16	16QAM	36	39	20.44	20.47	20.31							
16	16QAM	75	0	20.60	20.63	20.46	22.2	0					
16	16QAM	75	0	20.44	20.59	20.44							
16	64QAM	1	0	20.42	20.68	20.46							
16	64QAM	1	37	20.64	20.57	20.50							
16	64QAM	1	74	20.57	20.73	20.41	22.2	0					
16	64QAM	36	0	20.44	20.59	20.43							
16	64QAM	36	20	20.57	20.48	20.38							
16	64QAM	36	39	20.44	20.59	20.44							
16	64QAM	75	0	20.43	20.53	20.30	20.5	1.7					
16	256QAM	1	0	19.75	19.85	19.75							
16	256QAM	1	37	19.65	19.80	19.78							
16	256QAM	1	74	19.58	19.63	19.68							
16	256QAM	36	0	19.80	19.69	19.76	20.5	1.7					
16	256QAM	36	20	19.82	19.73	19.75							
16	256QAM	36	39	19.77	19.77	19.66							
16	256QAM	75	0	19.69	19.60	19.65							
Channel													
Frequency (MHz)				37860	38000	38200	Turn-up limit (dBm)				MPR (dB)		
10	QPSK	1	0	20.46	20.46	20.38	22.2	0					
10	QPSK	1	25	20.26	20.56	20.25							
10	QPSK	1	49	20.35	20.34	20.43							
10	QPSK	25	0	20.46	20.46	20.38							
10	QPSK	25	12	20.48	20.30	20.55	22.2	0					
10	QPSK	25	25	20.59	20.27	20.33							
10	QPSK	50	0	20.51	20.33	20.43							
10	16QAM	1	0	20.81	20.64	20.49							
10	16QAM	1	25	20.57	20.67	20.69	22.2	0					
10	16QAM	1	49	20.58	20.68	20.41							
10	16QAM	25	0	20.55	20.33	20.37							
10	16QAM	25	12	20.15	20.43	20.68							
10	16QAM	50	0	20.30	20.33	20.19	22.2	0					
10	16QAM	50	0	20.52	20.56	20.37							
10	64QAM	1	0	20.37	20.64	20.67							
10	64QAM	1	25	20.58	20.49	20.42							
10	64QAM	1	49	20.48	20.56	20.40	22.2	0					
10	64QAM	25	0	20.34	20.52	20.63							
10	64QAM	25	12	20.21	20.49	20.27							
10	64QAM	25	25	20.27	20.21	20.14							
10	64QAM	50	0	20.26	20.47	20.25	20.5	1.7					
10	256QAM	1	0	19.73	19.91	19.75							
10	256QAM	1	25	19.74	19.88	19.72							
10	256QAM	1	49	19.67	19.64	19.75							
10	256QAM	25	0	19.76	19.85	19.73	20.5	1.7					
10	256QAM	25	12	19.85	19.75	19.80							
10	256QAM	25	25	19.78	19.81	19.85							
10	256QAM	50	0	19.94	20.05	19.85							
Channel													
Frequency (MHz)				37775	38000	38229	Turn-up limit (dBm)				MPR (dB)		
5	QPSK	1	0	20.44	20.48	20.21	22.2	0					
5	QPSK	1	12	20.20	20.47	20.27							
5	QPSK	1	24	20.35	20.21	20.34							
5	QPSK	12	0	20.49	20.60	20.27							
5	QPSK	12	7	20.48	20.30	20.42	22.2	0					
5	QPSK	12	13	20.33	20.24	20.52							
5	QPSK	25	0	20.47	20.21	20.37							
5	16QAM	1	0	20.75	20.51	20.39							
5	16QAM	1	12	20.49	20.68	20.62	22.2	0					
5	16QAM	1	24	20.37	20.26	20.20							
5	16QAM	12	0	20.34	20.24	20.20							
5	16QAM	12	7	20.61	20.32	20.49							
5	16QAM	12	13	20.22	20.14	20.11	22.2	0					
5	16QAM	25	0	20.41	20.81	20.30							
5	64QAM	1	0	20.07	20.40	20.52							
5	64QAM	1	12	20.41	20.36	20.31							
5	64QAM	1	24	20.49	20.47	20.41	22.2	0					
5	64QAM	12	0	20.19	20.39	20.10							
5	64QAM	12	7	20.09	20.41	20.12							
5	64QAM	12	13	20.19	20.14	20.03							
5	64QAM	25	0	20.15	20.36	20.10	20.5	1.7					
5	256QAM	1	0	19.69	19.89	19.67	20.5	1.7					
5	256QAM	1	24	19.69	19.67	19.62							
5	256QAM	1	49	19.71	19.81	19.79							
5	256QAM	36	0	19.75	19.76	19.84							
5	256QAM	36	9	19.79	19.78	19.86							
5	256QAM	12	13	19.79	19.76	19.86							



Band 41 PC2 FCC&C IS13_Standalone Ant 3																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Low-Mid Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up Int (dB)	MPE (dB)						
Channel																
Frequency (MHz)																
20	QPSK	1	0	22.52	22.46	22.52	22.46	22.46	23.8	0	23.4	0				
20	QPSK	1	49	22.46	22.34	22.41	22.31	22.42								
20	QPSK	50	0	22.36	22.28	22.36	22.46	22.36								
20	QPSK	50	24	22.05	22.14	22.21	22.22	22.02								
20	QPSK	50	50	22.07	22.08	22.22	22.18	22.00	23.8	0	23.4	0				
20	QPSK	100	0	22.08	22.16	22.15	22.18	22.10								
20	16QAM	1	0	22.44	22.51	22.64	22.50	22.41								
20	16QAM	1	49	22.37	22.43	22.57	22.44	22.35								
20	16QAM	1	99	22.27	22.37	22.39	22.39	22.26	23.8	0	23.4	0				
20	16QAM	50	0	22.24	22.27	22.42	22.34	22.22								
20	16QAM	50	24	22.07	22.04	22.30	22.18	22.17								
20	16QAM	50	50	22.08	22.13	22.28	22.17	22.09								
20	64QAM	1	0	22.16	22.28	22.42	22.25	22.20	23.8	0	23.4	0				
20	64QAM	1	49	22.34	22.46	22.43	22.30	22.30								
20	64QAM	1	99	22.14	22.28	22.37	22.33	22.18								
20	64QAM	50	0	22.32	22.37	22.47	22.38	22.29								
20	64QAM	50	24	22.16	22.29	22.37	22.23	22.13	23.8	0	23.4	0				
20	64QAM	50	50	22.03	22.15	22.21	22.11	22.10								
20	64QAM	100	0	22.26	22.32	22.34	22.30	22.13								
20	256QAM	1	0	22.23	22.32	22.43	22.29	22.23								
20	256QAM	1	49	22.22	22.34	22.42	22.28	22.21	23	0.8	21	2.4				
20	256QAM	1	99	22.06	22.17	22.21	22.21	22.17								
20	256QAM	50	0	22.11	22.13	22.24	22.16	22.07	23	0.8	21	2.4				
20	256QAM	50	24	22.05	22.08	22.08	22.12	22.08								
20	256QAM	50	50	21.91	22.04	22.11	22.02	21.89								
20	256QAM	100	0	22.02	22.09	22.10	22.10	22.00								
Channel																
Frequency (MHz)																
15	QPSK	1	0	22.41	22.32	22.41	22.36	22.43	24	0	23.4	0				
15	QPSK	1	37	22.32	22.23	22.48	22.44	22.35								
15	QPSK	1	74	22.26	22.29	22.42	22.39	22.27								
15	QPSK	36	0	22.09	22.23	22.36	22.18	22.17								
15	QPSK	36	20	21.92	22.09	22.11	22.12	21.95	23.8	0	23.4	0				
15	QPSK	36	36	21.88	22.04	22.10	22.11	21.97								
15	QPSK	75	0	21.96	22.11	22.29	22.11	21.97								
15	16QAM	1	0	22.38	22.46	22.52	22.40	22.34								
15	16QAM	1	37	22.33	22.40	22.49	22.38	22.34	23.8	0	23.4	0				
15	16QAM	1	74	22.25	22.24	22.38	22.36	22.13								
15	16QAM	36	0	22.13	22.20	22.33	22.11	22.09								
15	16QAM	36	20	22.03	22.14	22.28	22.12	22.04								
15	16QAM	36	36	22.05	22.10	22.15	22.06	22.03								
15	16QAM	75	0	22.12	22.13	22.31	22.23	22.08	23.8	0	23.4	0				
15	64QAM	1	0	22.21	22.23	22.44	22.38	22.15								
15	64QAM	1	37	22.21	22.27	22.38	22.23	22.22								
15	64QAM	1	74	22.10	22.18	22.22	22.09	22.12								
15	64QAM	36	0	22.11	22.32	22.40	22.30	22.18	23.8	0	23.4	0				
15	64QAM	36	20	22.08	22.23	22.24	22.15	22.02								
15	64QAM	75	0	22.12	22.21	22.30	22.21	22.11								
15	256QAM	1	0	22.13	22.20	22.31	22.16	22.12	23	0.8	21	2.4				
15	256QAM	1	37	22.15	22.12	22.36	22.28	22.14								
15	256QAM	1	74	22.00	22.00	22.18	22.18	22.06								
15	256QAM	36	0	21.97	22.00	22.17	22.11	21.93								
15	256QAM	36	20	21.94	22.05	22.18	22.08	22.05	23	0.8	21	2.4				
15	256QAM	36	36	21.83	21.90	22.07	21.93	21.83								
15	256QAM	75	0	21.88	22.08	22.22	22.01	21.96								
Channel																
Frequency (MHz)																
10	QPSK	1	0	22.47	22.47	22.47	22.47	22.47	24	0	23.4	0				
10	QPSK	1	25	22.40	22.32	22.48	22.41	22.40								
10	QPSK	1	49	22.31	22.25	22.46	22.48	22.23								
10	QPSK	25	0	22.00	22.01	22.13	22.13	22.00								
10	QPSK	25	12	22.01	22.00	22.12	22.10	21.89	23.8	0	23.4	0				
10	QPSK	25	25	21.93	21.89	22.18	22.03	21.89								
10	QPSK	50	0	21.87	22.05	22.14	22.08	21.98								
10	16QAM	1	0	22.35	22.47	22.50	22.40	22.31								
10	16QAM	1	25	22.26	22.36	22.46	22.37	22.14	23.8	0	23.4	0				
10	16QAM	1	49	22.18	22.24	22.38	22.28	22.22								
10	16QAM	25	0	22.15	22.17	22.33	22.11	22.16								
10	16QAM	25	12	22.04	22.11	22.22	22.08	22.04			23.8	0				
10	16QAM	25	25	21.99	22.02	22.11	22.11	21.89								
10	16QAM	50	0	22.11	22.17	22.38	22.18	22.17	23.8	0	23.4	0				
10	64QAM	1	0	22.17	22.26	22.46	22.36	22.14								
10	64QAM	1	25	22.25	22.31	22.30	22.18	22.27								
10	64QAM	1	49	22.05	22.21	22.24	22.09	22.10			23.8	0				
10	64QAM	25	0	22.14	22.28	22.30	22.27	22.24								
10	64QAM	25	12	22.04	22.21	22.31	22.11	22.03	23.8	0	23.4	0				
10	64QAM	25	25	22.01	22.10	22.20	22.15	22.01								
10	64QAM	50	0	22.20	22.28	22.30	22.27	22.02								
10	256QAM	1	0	22.13	22.29	22.34	22.16	22.14	23	0.8	21	2.4				
10	256QAM	1	25	22.15	22.13	22.38	22.34	22.14								
10	256QAM	1	49	21.99	22.00	22.12	22.15	22.06								
10	256QAM	25	0	22.07	22.01	22.17	22.11	22.03								
10	256QAM	25	12	21.91	22.03	22.18	22.07	21.90	23	0.8	21	2.4				
10	256QAM	25	25	21.85	21.97	22.05	21.95	21.81								
10	256QAM	50	0	21.94	22.06	22.27	22.00	21.97								
Channel																
Frequency (MHz)																
5	QPSK	1	0	22.44	22.33	22.46	22.44	22.43	24	0	23.4	0				
5	QPSK	1	12	22.42	22.28	22.51	22.48	22.33								
5	QPSK	1	24	22.22	22.23	22.43	22.43	22.23								
5	QPSK	12	0	22.00	22.14	22.39	22.19	22.10								
5	QPSK	12	7	21.94	22.06	22.16	22.19	21.94	23.8	0	23.4	0				
5	QPSK	12	13	21.88	22.06	22.13	22.03	21.91								
5	QPSK	25	0	22.01	22.11	22.23	22.13	21.97	23.8	0	23.4	0				
5	QPSK	25	12	22.30	22.43	22.48	22.48	22.34								
5	16QAM	1	0	22.31	22.33	22.56	22.50	22.34								
5	16QAM	1	24	22.19	22.30	22.31	22.25	22.10								
5	16QAM	1	25	22.11	22.30	22.31	22.21	22.17								
5	16QAM	12	7	22.04	22.14	22.23	22.11	22.00								
5	16QAM	12	13	22.04	22.08	22.25	22.10	22.05	23.8	0	23.4	0				
5	16QAM	25	0	22.12	22.13	22.31	22.22	22.13								
5	64QAM	1	0	22.21	22.23	22.39	22.34	22.15								
5	64QAM	1	12	22.20	22.33	22.31	22.21	22.10								
5	64QAM	1	24	22.09	22.22	22.22	22.10	22.08								
5	64QAM	12	0	22.10	22.25	22.40	22.32	22.18	23.8	0	23.4	0				
5	64QAM	12	7	22.04	22.22	22.24	22.14	22.01								
5	64QAM	12	13	21.98	22.09	22.11	22.01	21.98								
5	64QAM	25	0	22.21	22.25	22.25	22.22	22.13								
5	256QAM	1	0	22.18	22.26	22.41	22.31	22.17	23	0.8	21	2.4				
5	256QAM	1	24	21.98	22.07	22.09	22.12	22.13								
5	256QAM	12	0	21.91	22.01	22.16	22.10	22.03								
5	256QAM	12	7	21.94	21.99	22.12	22.09	22.00								
5	256QAM	12	13	21.84	21.94	22.05	21.98	21.80	23	0.8	21	2.4				
5	256QAM	25	0	21.89	22.04	22.26	22.07	21.96								
Channel																
Frequency (MHz)																



Band 2 Default Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq 18700	Power Hsp Ch / Freq 18900	Power Hsp Ch / Freq 19100	Turn-up Time (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.11	20.10	20.07			
20	QPSK	1	49	20.03	20.02	20.02	24	0	
20	QPSK	1	99	20.09	20.07	20.07			
20	QPSK	50	0	20.08	20.13	20.05			
20	QPSK	50	24	20.04	20.08	20.08			
20	QPSK	50	50	20.02	20.04	20.06	24	0	
20	QPSK	100	0	20.09	20.05	20.01			
20	16QAM	1	0	20.05	20.05	20.08			
20	16QAM	1	49	20.05	20.08	20.06	24	0	
20	16QAM	1	99	20.07	20.05	20.05			
20	16QAM	50	0	20.05	20.05	20.04			
20	16QAM	50	24	20.04	20.04	20.04	23.5	0.5	
20	16QAM	50	50	20.05	20.02	20.02			
20	16QAM	100	0	20.02	20.02	20.02			
20	16QAM	1	0	20.02	20.02	20.02	23.5	0.5	
20	16QAM	1	49	20.08	20.05	20.05			
20	16QAM	1	99	20.05	20.05	20.06	23.5	0.5	
20	16QAM	50	0	20.04	20.04	20.04			
20	16QAM	50	24	20.04	20.04	20.04	23.5	1.5	
20	16QAM	50	50	20.05	20.04	20.05			
20	16QAM	100	0	20.05	20.05	20.05			
20	16QAM	1	0	20.05	20.05	20.05	20.5	3.5	
20	16QAM	1	49	19.92	19.98	19.95			
20	256QAM	1	99	19.98	19.92	19.97			
20	256QAM	1	39	19.92	19.98	19.95			
20	256QAM	50	50	19.95	19.93	19.93	20.5	3.5	
20	256QAM	50	50	19.78	19.81	19.78			
20	256QAM	100	0	19.81	19.78	19.81			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.75	19.80	19.75			
15	QPSK	1	49	19.73	19.73	19.72	24	0	
15	QPSK	1	99	19.71	19.71	19.71			
15	QPSK	1	74	19.71	19.71	19.71			
15	QPSK	36	0	19.77	19.77	19.77			
15	QPSK	36	39	19.77	19.77	19.77	24	0	
15	QPSK	75	0	19.71	19.71	19.71			
15	16QAM	1	0	19.60	19.60	19.60			
15	16QAM	1	37	19.77	19.78	19.73	24	0	
15	16QAM	1	74	19.77	19.77	19.77			
15	16QAM	36	0	19.60	19.60	19.60			
15	16QAM	36	39	19.60	19.60	19.60	23.5	0.5	
15	16QAM	75	0	19.60	19.60	19.60			
15	16QAM	75	0	19.60	19.60	19.60			
15	16QAM	1	0	19.67	19.68	19.68	23.5	0.5	
15	16QAM	1	37	19.67	19.67	19.67			
15	16QAM	1	74	19.67	19.67	19.67			
15	16QAM	36	0	19.67	19.67	19.67	22.5	1.5	
15	16QAM	36	39	19.67	19.67	19.67			
15	16QAM	75	0	19.67	19.67	19.67			
15	256QAM	1	37	19.68	19.61	19.79	20.5	3.5	
15	256QAM	1	74	19.65	19.73	19.63			
15	256QAM	36	0	19.65	19.65	19.65			
15	256QAM	36	39	19.68	19.67	19.68	20.5	3.5	
15	256QAM	75	0	19.68	19.73	19.67			
15	256QAM	75	0	19.68	19.73	19.67			
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.00	20.00	20.00			
10	QPSK	1	25	20.01	20.03	20.03	22.5	0	
10	QPSK	1	49	20.00	20.00	20.04			
10	QPSK	1	74	20.04	20.04	20.04			
10	QPSK	12	0	20.04	20.03	20.02			
10	QPSK	12	39	20.02	20.08	20.07	22.5	0	
10	QPSK	36	0	20.01	20.01	20.01			
10	QPSK	36	39	20.01	20.01	20.01	24	0	
10	QPSK	75	0	20.01	20.01	20.01			
10	16QAM	1	0	20.01	20.01	20.01			
10	16QAM	1	25	20.03	20.04	20.03	22.5	0	
10	16QAM	1	49	20.03	20.04	20.03			
10	16QAM	1	74	20.03	20.04	20.03			
10	16QAM	12	0	20.03	20.03	20.03			
10	16QAM	25	25	20.02	20.08	20.07	22.5	0	
10	16QAM	36	0	20.01	20.01	20.01			
10	16QAM	36	39	20.01	20.01	20.01	22.5	0	
10	16QAM	75	0	20.01	20.01	20.01			
10	16QAM	75	0	20.01	20.01	20.01			
10	16QAM	1	0	20.01	20.01	20.01	22.5	0.5	
10	16QAM	1	25	20.03	20.03	20.03			
10	16QAM	1	49	20.03	20.03	20.03			
10	16QAM	1	74	20.03	20.03	20.03			
10	16QAM	12	0	20.03	20.03	20.03			
10	16QAM	25	25	20.02	20.08	20.07	22.5	0	
10	16QAM	36	0	20.01	20.01	20.01			
10	16QAM	36	39	20.01	20.01	20.01	22.5	0	
10	16QAM	75	0	20.01	20.01	20.01			
10	16QAM	75	0	20.01	20.01	20.01			
10	16QAM	1	0	20.01	20.01	20.01	22.5	1.5	
10	16QAM	1	25	20.03	20.03	20.03			
10	16QAM	1	49	20.03	20.03	20.03			
10	16QAM	1	74	20.03	20.03	20.03			
10	16QAM	12	0	20.03	20.03	20.03			
10	16QAM	25	25	20.02	20.08	20.07	22.5	0	
10	16QAM	36	0						



Band 12 Default Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int. (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.84	22.82	22.79	24	0						
10	QPSK	1	25	22.78	22.81	22.84								
10	QPSK	1	49	22.80	22.88	22.82								
10	QPSK	25	0	22.83	22.82	22.72								
10	QPSK	25	12	22.80	22.88	22.81	24	0						
10	QPSK	25	25	22.86	22.69	22.83								
10	QPSK	50	0	22.85	22.77	22.82								
10	16QAM	1	0	22.84	22.72	22.80								
10	16QAM	1	25	22.84	22.59	22.88	24	0						
10	16QAM	1	49	22.84	22.55	22.86								
10	16QAM	25	0	22.85	22.51	22.81								
10	16QAM	25	12	22.82	22.43	22.28								
10	16QAM	25	25	22.80	22.45	22.26	23.5	0.5						
10	16QAM	50	0	22.87	22.47	22.28								
10	16QAM	1	0	22.26	22.41	22.29								
10	16QAM	1	25	22.14	22.25	22.19								
10	16QAM	1	49	22.10	22.20	22.16	22.5	1.5						
10	16QAM	25	0	21.84	21.67	21.50								
10	16QAM	25	12	21.44	21.58	21.51								
10	16QAM	25	25	21.38	21.44	21.44								
10	16QAM	50	0	21.43	21.54	21.41	22.5	1.5						
10	256QAM	1	0	19.38	19.55	19.40								
10	256QAM	1	25	19.33	19.40	19.38								
10	256QAM	1	49	19.30	19.33	19.28								
10	256QAM	25	0	19.35	19.51	19.41	20.5	3.5						
10	256QAM	25	12	19.29	19.34	19.30								
10	256QAM	25	25	19.20	19.33	19.22								
10	256QAM	50	0	19.20	19.45	19.35								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.77	22.86	22.74	24	0						
5	QPSK	1	12	22.83	22.82	22.86								
5	QPSK	1	24	22.47	22.54	22.47								
5	QPSK	12	0	22.50	22.75	22.58								
5	QPSK	12	13	22.48	22.55	22.51	24	0						
5	QPSK	12	13	22.53	22.48	22.51								
5	QPSK	25	0	22.56	22.62	22.59								
5	16QAM	1	0	22.42	22.62	22.48								
5	16QAM	1	12	22.52	22.48	22.47	24	0						
5	16QAM	1	24	22.33	22.52	22.38								
5	16QAM	12	0	22.30	22.47	22.28								
5	16QAM	12	7	22.28	22.33	22.19								
5	16QAM	12	13	22.19	22.24	22.19	23.5	0.5						
5	16QAM	25	0	22.31	22.34	22.19								
5	16QAM	1	0	22.15	22.30	22.22								
5	16QAM	1	24	21.96	22.07	22.07								
5	16QAM	12	0	21.48	21.63	21.41	22.5	1.5						
5	16QAM	12	7	21.54	21.67	21.47								
5	16QAM	12	13	21.20	21.32	21.33								
5	16QAM	25	0	21.33	21.48	21.34								
5	256QAM	1	0	19.35	19.45	19.31	20.5	3.5						
5	256QAM	1	12	19.21	19.37	19.29								
5	256QAM	1	24	19.17	19.25	19.18								
5	256QAM	12	0	19.16	19.21	19.16								
5	256QAM	12	7	19.22	19.27	19.27	20.5	3.5						
5	256QAM	12	13	19.07	19.21	19.11								
5	256QAM	25	0	19.13	19.31	19.12								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.75	22.81	22.72	24	0						
3	QPSK	1	8	22.70	22.78	22.80								
3	QPSK	1	16	22.53	22.62	22.57								
3	QPSK	8	0	22.49	22.79	22.57								
3	QPSK	8	4	22.51	22.61	22.48	24	0						
3	QPSK	8	4	22.48	22.48	22.57								
3	16QAM	1	0	22.54	22.73	22.68								
3	16QAM	1	0	22.39	22.59	22.47								
3	16QAM	1	8	22.48	22.48	22.48	23.5	0.5						
3	16QAM	8	0	22.18	22.44	22.36								
3	16QAM	8	7	22.22	22.32	22.20								
3	16QAM	15	0	22.23	22.35	22.19								
3	16QAM	1	0	22.23	22.28	22.17	22.5	0.5						
3	16QAM	1	8	22.02	22.10	22.06								
3	16QAM	1	14	22.02	22.10	22.04								
3	16QAM	8	0	21.45	21.65	21.40								
3	16QAM	8	4	21.40	21.48	21.37	22.5	1.5						
3	16QAM	8	7	21.38	21.38	21.33								
3	16QAM	15	0	21.37	21.50	21.31								
3	256QAM	1	0	19.28	19.41	19.36								
3	256QAM	1	8	19.26	19.31	19.24	20.5	3.5						
3	256QAM	1	14	19.23	19.30	19.21								
3	256QAM	8	0	19.15	19.45	19.25								
3	256QAM	8	4	19.18	19.20	19.18								
3	256QAM	8	7	19.06	19.22	19.07	20.5	3.5						
3	256QAM	15	0	19.18	19.40	19.14								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.75	22.83	22.75					24	0		
1.4	QPSK	1	3	22.85	22.87	22.81								
1.4	QPSK	1	5	22.48	22.57	22.53								
1.4	QPSK	3	0	22.50	22.67	22.47								
1.4	QPSK	3	1	22.54	22.55	22.56	24	0						
1.4	QPSK	3	1	22.44	22.54	22.57								
1.4	16QAM	1	0	22.83	22.73	22.76								
1.4	16QAM	1	0	22.50	22.62	22.56								
1.4	16QAM	1	3	22.49	22.46	22.50	24	0						
1.4	16QAM	1	8	22.40	22.45	22.43								
1.4	16QAM	3	0	22.47	22.60	22.36								
1.4	16QAM	3	1	22.49	22.45	22.47								
1.4	16QAM	3	3	22.37	22.48	22.40	23.5	0.6						
1.4	16QAM	6	0	22.17	22.30	22.14								
1.4	16QAM	1	0	22.33	22.47	22.29								
1.4	16QAM	1	3	22.22	22.49	22.17								
1.4	16QAM	1	5	22.13	22.33	22.16	23.5	0.5						
1.4	16QAM	3	0	22.05	22.21	22.09								
1.4	16QAM	3	3	21.99	22.18	22.05								
1.4	16QAM	3	3	22.22	22.28	22.16								
1.4	16QAM	6	0	21.45	21.60	21.41	22.5	1.5						
1.4	256QAM	1	0	19.29	19.47	19.30								
1.4	256QAM	1	3	19.21	19.31	19.24								
1.4	256QAM	1	5	19.22	19.27	19.22								
1.4	256QAM	3	0	19.18	19.37	19.34	20.5	3.5						
1.4	256QAM	3	1	19.16	19.21	19.24								
1.4	256QAM	3	3	19.15	19.21	19.09								
1.4	256QAM	6	0	19.17	19.35	19.18								



Band 25 Default Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Max Ch./Freq.	Power Min Ch./Freq.	Power High Ch./Freq.	Turn-up Intvl (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.16	23.21	23.16			24	0		
20	QPSK	1	49	23.03	23.03	23.03						
20	QPSK	1	98	22.87	23.01	23.03			24	0		
20	QPSK	50	0	23.00	23.15	23.05						
20	QPSK	50	24	22.85	23.03	23.05			24	0		
20	QPSK	50	50	22.88	22.99	22.88						
20	QPSK	100	0	22.91	23.01	22.92			24	0		
20	16QAM	1	0	22.96	23.09	22.91						
20	16QAM	1	49	22.81	22.87	22.80			24	0		
20	16QAM	1	99	22.79	23.03	22.93						
20	16QAM	50	0	22.75	22.90	22.85			23.5	0.5		
20	16QAM	50	24	22.79	22.93	22.85						
20	16QAM	50	50	22.81	22.72	22.70			22.5	1.5		
20	16QAM	100	0	22.82	22.95	22.81						
20	64QAM	1	0	22.86	23.05	22.91			23.5	0.5		
20	64QAM	1	49	22.79	22.96	22.87						
20	64QAM	50	0	21.82	21.95	21.79			22.5	1.5		
20	64QAM	50	24	21.78	21.79	21.74						
20	64QAM	50	50	21.73	21.82	21.75			20.5	3.5		
20	256QAM	1	0	21.69	21.66	21.64						
20	256QAM	1	49	19.79	19.85	19.78			20.5	3.5		
20	256QAM	1	99	19.77	19.80	19.78						
20	256QAM	50	0	19.87	19.98	19.92			20.5	3.5		
20	256QAM	50	24	19.77	19.90	19.74						
20	256QAM	50	50	19.70	19.74	19.71			20.5	3.5		
20	256QAM	100	0	19.62	19.74	19.61						
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.05	23.13	23.04			24	0		
15	QPSK	1	37	22.99	22.90	22.93						
15	QPSK	1	74	22.84	22.90	22.87			24	0		
15	QPSK	36	0	22.84	23.01	22.95						
15	QPSK	36	20	22.82	22.98	22.89			24	0		
15	QPSK	36	36	22.84	22.95	22.75						
15	QPSK	75	0	22.77	22.98	22.79			24	0		
15	16QAM	1	0	22.92	22.98	22.84						
15	16QAM	1	37	22.81	22.87	22.85			24	0		
15	16QAM	1	74	22.88	22.79	22.80						
15	16QAM	36	0	22.70	22.81	22.75			23.5	0.5		
15	16QAM	36	20	22.68	22.66	22.62						
15	16QAM	36	36	22.65	22.62	22.60			23.5	0.5		
15	16QAM	75	0	22.49	22.63	22.55						
15	64QAM	1	0	22.74	22.80	22.77			23.5	0.5		
15	64QAM	1	37	22.70	22.76	22.69						
15	64QAM	1	74	22.70	22.65	22.58			22.5	1.5		
15	64QAM	36	0	21.74	21.85	21.65						
15	64QAM	36	20	21.72	21.68	21.65			20.5	3.5		
15	64QAM	36	36	21.68	21.70	21.55						
15	64QAM	75	0	21.55	21.54	21.60			20.5	3.5		
15	256QAM	1	0	19.76	19.95	19.85						
15	256QAM	1	37	19.75	19.79	19.79			20.5	3.5		
15	256QAM	1	74	19.67	19.70	19.73						
15	256QAM	36	0	19.78	19.83	19.80			20.5	3.5		
15	256QAM	36	20	19.69	19.87	19.80						
15	256QAM	36	36	19.67	19.70	19.61			20.5	3.5		
15	256QAM	75	0	19.15	19.60	19.35						
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.03	23.07	23.03			24	0		
10	QPSK	1	25	22.94	22.92	22.98						
10	QPSK	1	49	22.90	22.95	22.90			24	0		
10	QPSK	25	0	22.90	23.04	22.97						
10	QPSK	25	12	22.87	22.89	22.83			24	0		
10	QPSK	25	25	22.84	22.85	22.71						
10	QPSK	50	0	22.80	22.90	22.85			24	0		
10	16QAM	1	0	22.90	22.95	22.83						
10	16QAM	1	25	22.81	22.81	22.88			24	0		
10	16QAM	1	49	22.88	22.78	22.80						
10	16QAM	25	0	22.74	22.80	22.75			23.5	0.5		
10	16QAM	25	12	22.62	22.68	22.67						
10	16QAM	25	25	22.62	22.67	22.57			22.5	1.5		
10	16QAM	50	0	22.57	22.60	22.54						
10	64QAM	1	0	22.62	22.91	22.85			23.5	0.5		
10	64QAM	1	25	22.64	22.88	22.75						
10	64QAM	1	49	22.72	22.76	22.71			22.5	1.5		
10	64QAM	25	0	21.79	21.84	21.88						
10	64QAM	25	12	21.74	21.78	21.75			20.5	3.5		
10	64QAM	25	25	21.65	21.77	21.61						
10	64QAM	50	0	21.62	21.58	21.52			20.5	3.5		
10	256QAM	1	0	19.60	19.64	19.61						
10	256QAM	1	25	19.68	19.75	19.72			20.5	3.5		
10	256QAM	1	49	19.74	19.73	19.68						
10	256QAM	25	0	19.62	19.61	19.67			20.5	3.5		
10	256QAM	25	12	19.71	19.83	19.68						
10	256QAM	25	25	19.65	19.61	19.60			20	0.2		
10	256QAM	50	0	19.55	19.67	19.53						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.13	23.07	23.10			24	0		
5	QPSK	1	12	22.95	22.92	23.03						
5	QPSK	1	24	22.86	22.90	22.95			24	0		
5	QPSK	12	0	22.86	23.04	22.95						
5	QPSK	12	7	22.89	23.00	22.94			24	0		
5	QPSK	12	13	22.77	22.88	22.79						
5	QPSK	25	0	22.77	22.81	22.78			24	0		
5	16QAM	1	0	22.88	23.04	22.88						
5	16QAM	1	12	22.88	22.90	22.87			24	0		
5	16QAM	1	24	22.87	22.77	22.73						
5	16QAM	12	0	22.70	22.84	22.73			23.5	0.5		
5	16QAM	12	7	22.71	22.70	22.63						
5	16QAM	12	13	22.65	22.60	22.55			22.5	1.5		
5	16QAM	25	0	22.65	22.62	22.61						
5	64QAM	1	0	22.78	22.98	22.88			23.5	0.5		
5	64QAM	1	12	22.71	22.62	22.61						
5	64QAM	1	24	22.65	22.69	22.78			22.5	1.5		
5	64QAM	12	0	21.78	21.84	21.70						
5	64QAM	12	7	21.70	21.65	21.70			20.5	3.5		
5	64QAM	12	13	21.68	21.79	21.68						
5	64QAM	25	0	21.60	21.54	21.60			20.5	3.5		
5	256QAM	1	0	19.75	19.86	19.86						
5	256QAM	1	12	19.71	19.82	19.75			20.5	3.5		
5	256QAM	1	24	19.68	19.76	19.74						
5	256QAM	12	0	19.78	19.85	19.84			20.5	3.5		
5	256QAM	12	7	19.68	19.78	19.59						
5	256QAM	12	13	19.61	19.64	19.64			20	0.2		
5	256QAM	25	0	19.57	19.64	19.54						
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.02	23.15	23.13			24	0		
3	QPSK	1	8	22.85	22.95	22.98						
3	QPSK	1	14	22.94	22.93	22.99			24	0		
3	QPSK	8	0	22.94	23.05	22.95						
3	QPSK	8	4	22.80	22.97	22.81			24	0		
3	QPSK	8	8	22.75	22.94	22.78						
3	QPSK	16	0	22.83	22.98	22.98			24	0		
3	16QAM	1	0	22.84	23.02	22.86						
3	16QAM	1	8	22.89	22.85	22.97			24	0		
3	16QAM	1	14	22.77	22.75	22.76						
3	16QAM	8	0	22.77	22.97	22.87			23.5	0.5		
3	16QAM	8	4	22.65	22.85	22.67						
3	16QAM	8	7	22.57	22.68	22.58			23.5	0.5		
3	16QAM	8	14	22.60	22.63	22.60						
3	16QAM	16	0	22.75	22.92	22.80			22.5	1.5		
3	64QAM	1	0	22.66	22.91	22.78						
3	64QAM	1	8	22.70	22.72	22.79			22.5	1.5		
3	64QAM	1	14	21.67	21.68	21.62						
3	64QAM	8	0	21.67	21.74	21.67			20.5	3.5		
3	64QAM	8	4	21.63	21.53	21.58						
3	256QAM	1	0	19.76	19.86	19.83			20.5	3.5		
3	256QAM	1	8	19.76	19.85	19.83						
3	256QAM	8	0	19.76	19.85	19.83			20.5	3.5		
3	256QAM	8	4	19.68	19.83	19.80						
3	256QAM	8	7	19.62	19.71	19.60			20	0.2		
3	256QAM	16	0	19.53	19.63	19.53						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.12	23.12	23.12			24	0		
1.4	QPSK	1	8	22.98	22.97	23.05						
1.4	QPSK	1	14	22.94	22.93	22.99			24	0		
1.4	QPSK	8	0	22.94	23.05	22.95						
1.4	QPSK	8	4	22.80	22.97	22.81			24	0		
1.4	QPSK	8	8	22.75	22.94	22.78						
1.4	QPSK	16	0	22.83	22.98	22.98			24	0		
1.4	16QAM	1	0	22.84	23.02	22.86						
1.4	16QAM	1	8	22.89	22.85	22.97			24	0		
1.4	16QAM	1	14	22.77	22.75	22.76						
1.4	16QAM	8	0	22.77	22.97	22.87			23.5	0.5		
1.4	16QAM	8	4	22.65	22.85	22.67						
1.4	16QAM	8	7	22.57	22.68							



Band 66 DSI3_Simultaneous Ant 0										
BM [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.14	21.28	21.29	22.5	0	24	0
20	QPSK	1	49	21.07	21.18	21.21				
20	QPSK	1	99	21.00	21.13	21.08				
20	QPSK	50	0	21.03	21.20	21.04	22.5	0	24	0
20	QPSK	50	24	20.99	21.04	20.95				
20	QPSK	50	50	21.05	21.08	21.03				
20	QPSK	100	0	20.94	21.08	20.91	22.5	0	24	0
20	16QAM	1	0	21.17	20.98	20.99				
20	16QAM	1	49	21.00	20.98	20.92				
20	16QAM	1	99	20.99	20.97	20.86	22.5	0	24	0
20	16QAM	50	0	20.98	21.00	20.95				
20	16QAM	50	24	20.91	21.09	20.98				
20	16QAM	50	50	20.96	21.02	20.97	22.5	0	24	0
20	16QAM	100	0	20.91	20.97	20.92				
20	8QAM	1	0	20.83	21.18	20.90				
20	8QAM	1	49	20.94	20.98	21.00	22.5	0	24	0
20	8QAM	1	99	20.85	21.03	21.01				
20	8QAM	50	0	20.93	21.14	20.93				
20	8QAM	50	24	20.92	21.03	20.89	22.5	0	24	0
20	8QAM	50	50	20.86	21.02	20.97				
20	8QAM	100	0	20.91	20.97	20.92				
20	256QAM	1	0	18.86	18.97	18.93	20.5	2	24	0
20	256QAM	1	49	18.89	18.92	18.84				
20	256QAM	1	99	18.81	18.84	18.83				
20	256QAM	50	0	18.84	18.98	18.92	20.5	2	24	0
20	256QAM	50	24	18.78	18.86	18.74				
20	256QAM	50	50	18.69	18.77	18.73				
20	256QAM	100	0	18.77	18.79	18.73	20.5	2	24	0
Channel				136047	136222	136242	Turn-up time (sec)	MPE (dB)		
Frequency (MHz)										
15	QPSK	1	0	20.99	21.23	21.16	22.5	0	24	0
15	QPSK	1	37	20.92	21.07	20.88				
15	QPSK	1	74	20.97	21.02	20.99				
15	QPSK	36	0	20.99	21.09	21.00	22.5	0	24	0
15	QPSK	36	20	20.89	20.96	20.92				
15	QPSK	36	36	20.95	21.01	20.99				
15	16QAM	75	0	20.82	20.98	20.97	22.5	0	24	0
15	16QAM	1	0	21.09	20.86	20.86				
15	16QAM	1	37	20.91	20.91	20.87				
15	16QAM	1	74	20.86	21.09	20.92	22.5	0	24	0
15	16QAM	36	0	20.88	21.00	20.86				
15	16QAM	36	20	20.87	20.95	20.89				
15	16QAM	36	36	20.84	20.98	20.92	22.5	0	24	0
15	16QAM	75	0	20.81	20.94	20.86				
15	8QAM	1	0	20.90	21.11	20.81				
15	8QAM	1	37	20.85	20.98	20.92	22.5	0	24	0
15	8QAM	1	74	20.80	20.90	20.92				
15	8QAM	36	0	20.87	21.02	20.86				
15	8QAM	36	20	20.87	20.98	20.78	22.5	0	24	0
15	8QAM	36	36	20.78	20.90	20.87				
15	8QAM	75	0	20.76	20.92	20.86				
15	256QAM	1	0	18.78	18.86	18.81	20.5	2	24	0
15	256QAM	1	37	18.82	18.89	18.79				
15	256QAM	1	74	18.75	18.79	18.77				
15	256QAM	36	0	18.80	18.86	18.88	20.5	2	24	0
15	256QAM	36	20	18.73	18.73	18.60				
15	256QAM	36	39	18.58	18.69	18.63				
15	256QAM	75	0	18.63	18.63	18.58	20.5	2	24	0
Channel				136022	136222	136022	Turn-up time (sec)	MPE (dB)		
Frequency (MHz)										
10	QPSK	1	0	21.11	21.19	21.48	22.5	0	24	0
10	QPSK	1	25	21.02	21.13	20.90				
10	QPSK	1	49	20.91	20.98	21.02				
10	QPSK	12	0	20.86	21.07	20.91	22.5	0	24	0
10	QPSK	25	12	20.88	21.00	20.83				
10	QPSK	25	25	20.97	20.97	20.91				
10	16QAM	80	0	20.84	20.98	20.97	22.5	0	24	0
10	16QAM	1	0	21.08	20.90	20.95				
10	16QAM	1	25	20.94	20.92	20.86				
10	16QAM	1	49	20.84	20.98	20.86	22.5	0	24	0
10	16QAM	25	0	20.85	21.00	20.90				
10	16QAM	25	12	20.83	21.05	20.88				
10	16QAM	25	25	20.90	21.02	21.07	22.5	0	24	0
10	16QAM	50	0	20.82	20.88	20.88				
10	16QAM	50	0	20.73	21.07	20.85				
10	8QAM	1	25	20.78	20.93	20.88	22.5	0	24	0
10	8QAM	1	49	20.71	20.90	20.91				
10	8QAM	25	0	20.80	21.00	20.86				
10	8QAM	25	12	20.86	20.97	20.85	22.5	0	24	0
10	8QAM	25	25	20.77	20.96	20.92				
10	8QAM	50	0	20.94	20.82	20.86				
10	256QAM	1	0	18.78	18.86	18.81	20.5	2	24	0
10	256QAM	1	25	18.79	18.82	18.86				
10	256QAM	1	49	18.75	18.76	18.77				
10	256QAM	25	0	18.71	18.87	18.74	20.5	2	24	0
10	256QAM	25	12	18.75	18.81	18.63				
10	256QAM	25	25	18.60	18.65	18.62				
10	256QAM	50	0	18.63	18.67	18.63	20.5	2	24	0
Channel				136097	136222	136097	Turn-up time (sec)	MPE (dB)		
Frequency (MHz)										
5	QPSK	1	0	20.49	21.16	21.49	22.5	0	24	0
5	QPSK	1	12	21.03	21.13	20.87				
5	QPSK	1	24	20.93	21.07	20.94				
5	QPSK	12	0	20.86	21.07	20.84	22.5	0	24	0
5	QPSK	12	7	20.90	20.92	20.91				
5	QPSK	12	13	20.95	20.96	20.97				
5	QPSK	25	0	20.82	20.98	20.91	22.5	0	24	0
5	16QAM	1	0	21.10	20.93	20.89				
5	16QAM	1	12	20.92	20.83	20.79				
5	16QAM	1	24	20.93	20.85	20.81	22.5	0	24	0
5	16QAM	12	0	20.92	21.07	20.88				
5	16QAM	12	7	20.94	20.98	20.90				
5	16QAM	12	13	20.91	20.93	21.00	22.5	0	24	0
5	16QAM	25	0	20.80	20.92	20.89				
5	8QAM	1	0	20.75	21.09	20.86	22.5	0	24	0
5	8QAM	1	12	20.86	20.94	20.89				
5	8QAM	1	24	20.74	20.98	20.87				
5	8QAM	12	0	20.86	21.10	20.87	22.5	0	24	0
5	8QAM	12	7	20.82	20.93	20.82				
5	8QAM	12	13	20.76	20.95	20.88				
5	8QAM	25	0	20.83	20.86	20.86	20.5	2	24	0
Channel				136144	136222	136144	Turn-up time (sec)	MPE (dB)		
Frequency (MHz)										
3	QPSK	1	0	21.04	21.24	21.10	22.5	0	24	0
3	QPSK	1	12	21.03	21.13	20.87				
3	QPSK	1	24	20.93	21.07	20.94				
3	QPSK	12	0	20.86	21.07	20.84	22.5	0	24	0
3	QPSK	12	7	20.90	20.92	20.91				
3	QPSK	12	13	20.95	20.96	20.97				
3	QPSK	25	0	20.82	20.98	20.91	22.5	0	24	0
3	16QAM	1	0	21.10	20.93	20.89				
3	16QAM	1	12	20.92	20.83	20.79				
3	16QAM	1	24	20.93	20.85	20.81	22.5	0	24	0
3	16QAM	12	0	20.92	21.07	20.88				
3	16QAM	12	7	20.94	20.98	20.90				
3	16QAM	12	13	20.91	20.93	21.00	22.5	0	24	0
3	16QAM	25	0	20.80	20.92	20.89				
3	8QAM	1	0	20.75	21.09	20.86	22.5	0	24	0
3	8QAM	1	12	20.86	20.94	20.89				
3	8QAM	1	24	20.74	20.98	20.87				
3	8QAM	12	0	20.86	21.10	20.87	22.5	0	24	0
3	8QAM	12	7	20.82	20.93	20.82				
3	8QAM	12	13	20.76	20.95	20.88				
3	8QAM	25	0	20.83	20.86	20.86	20.5	2	24	0
Channel				136175	136222	136175	Turn-up time (sec)	MPE (dB)		
Frequency (MHz)										
1.4	QPSK	1	0	21.02	21.21	21.10	22.5	0	24	0
1.4	QPSK	1	12	21.01	21.12	21.03				
1.4	QPSK	1	24	20.91	21.01	21.00				
1.4	QPSK	1	50	20.90	21.03	20.95	22.5	0	24	0
1.4	QPSK	1	75	20.89	21.06	20.97				
1.4	QPSK	3	0	20.86	20.92	20.93				
1.4	QPSK	3	3	21.01	20.98	20.93	22.5	0	24	0
1.4	QPSK	1	0	20.97	20.97	20.97				
1.4	QPSK	1	21	20.97	20.87	20.93				
1.4	16QAM	1	0	20.93	20.88	20.85	22.5	0	24	0
1.4	16QAM	1	21	20.94	20.84	20.86				
1.4	16QAM	3	0	20.87	21.06	20.82				
1.4	16QAM	3	3	20.81	21.08	20.88	22.5	0	24	0
1.4	16QAM	1	0	20.86	21.03	20.85				
1.4	16QAM	1	21	20.84	20.92	20.89				
1.4	8QAM	1	0	20.76	21.10	20.84	22.5	0	24	0
1.4	8QAM	1	21	20.80	21.02	20.86				
1.4	8QAM	3	0	20.78	20.93	20.89				
1.4	8QAM	3	3	20.84	21.10	20.83	22.5	0	24	0
1.4	8QAM	1	0	20.77	20.99	20.79				
1.4	8QAM	1	21	20.75	20.95	20.80				
1.4	256QAM	1	0	18.80	18.91	18.86	20.5	2	24	0
1.4	256QAM	1	21	18.79	18.88	18.78				
1.4	256QAM	3	0	18.78	18.86	18.75				
1.4	256QAM	3	3	18.75	18.89	18.78	20.5	2	24	0
1.4	256QAM	1	0	18.76	18.89	18.75				
1.4	256QAM	1	21	18.73	18.86	18.74				
1.4	256QAM	3	0	18.69	18.					



Band 38 DS13_Simultaneous Ant 0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	19.96	20.00	20.01	20.6	0				
20	QPSK	1	48	19.91	20.02	19.87						
20	QPSK	1	96	19.90	20.01	19.94						
20	QPSK	50	0	19.90	20.00	19.80						
20	QPSK	50	24	19.85	19.85	19.81	20.6	0				
20	QPSK	50	48	19.88	19.87	19.83						
20	QPSK	100	0	19.89	19.95	19.71						
20	16QAM	1	0	19.97	19.78	19.77						
20	16QAM	1	48	19.84	19.84	19.79	20.6	0				
20	16QAM	1	96	19.82	19.73	19.74						
20	16QAM	50	0	19.77	19.69	19.76						
20	16QAM	50	24	19.73	19.85	19.72						
20	16QAM	50	50	19.76	19.84	19.66	20.6	0				
20	16QAM	100	0	19.72	19.64	19.75						
20	64QAM	1	48	19.81	19.84	19.79						
20	64QAM	1	96	19.81	19.80	19.85						
20	64QAM	50	0	19.86	20.04	19.95	20.5	0.1				
20	64QAM	50	24	19.83	19.90	19.89						
20	64QAM	50	50	19.82	19.86	19.83						
20	64QAM	100	0	19.85	19.88	19.79						
20	256QAM	1	0	17.81	18.08	17.94	19.5	1.1				
20	256QAM	1	48	17.80	17.88	17.79						
20	256QAM	1	96	17.86	17.85	17.87						
20	256QAM	50	0	17.80	17.87	17.81						
20	256QAM	50	24	17.80	17.95	17.90	19.5	1.1				
20	256QAM	50	50	17.77	17.87	17.81						
20	256QAM	100	0	17.83	17.83	17.74						
Channel												
Frequency (MHz)												
15	QPSK	1	0	19.83	20.00	19.74	20.6	0				
15	QPSK	1	37	19.78	19.84	19.76						
15	QPSK	1	74	19.74	19.80	19.82						
15	QPSK	36	0	19.74	19.85	19.68						
15	QPSK	36	20	19.70	19.71	19.68	20.6	0				
15	QPSK	36	36	19.68	19.68	19.68						
15	QPSK	75	0	19.65	19.68	19.57						
15	16QAM	1	0	19.91	19.74	19.74						
15	16QAM	1	37	19.75	19.80	19.80	20.6	0				
15	16QAM	1	74	19.73	19.83	19.68						
15	16QAM	36	0	19.70	19.75	19.66						
15	16QAM	36	20	19.60	19.71	19.63						
15	16QAM	36	36	19.73	19.90	19.83	20.6	0				
15	16QAM	75	0	19.64	19.70	19.67						
15	64QAM	1	0	19.98	19.86	19.52						
15	64QAM	1	37	19.74	19.73	19.87						
15	64QAM	1	74	19.96	19.64	19.80	20.5	0.1				
15	64QAM	36	0	19.77	19.81	19.81						
15	64QAM	36	20	19.73	19.86	19.85						
15	64QAM	75	0	19.75	19.85	19.59						
15	256QAM	1	0	17.78	17.97	17.88	19.5	1.1				
15	256QAM	1	37	17.70	17.84	17.82						
15	256QAM	1	74	17.73	17.82	17.72						
15	256QAM	36	0	17.83	18.00	17.92						
15	256QAM	36	20	17.86	17.89	17.82	19.5	1.1				
15	256QAM	36	36	17.64	17.77	17.71						
15	256QAM	75	0	17.79	17.96	17.83						
Channel												
Frequency (MHz)												
10	QPSK	1	0	19.80	20.00	19.77	20.6	0				
10	QPSK	1	25	19.87	19.91	19.78						
10	QPSK	1	48	19.72	19.83	19.86						
10	QPSK	25	12	19.87	19.82	19.74						
10	QPSK	25	25	19.81	19.77	19.69	20.6	0				
10	QPSK	25	50	19.85	19.87	19.69						
10	16QAM	1	0	19.88	19.83	19.83						
10	16QAM	1	25	19.70	19.80	19.83						
10	16QAM	25	12	19.73	19.83	19.89	20.6	0				
10	16QAM	25	0	19.67	19.81	19.83						
10	16QAM	25	0	19.72	19.82	19.67						
10	16QAM	25	12	19.70	19.70	19.66						
10	64QAM	1	0	19.87	19.81	19.83	20.6	0				
10	64QAM	1	25	19.70	19.80	19.83						
10	64QAM	25	0	19.73	19.83	19.89						
10	64QAM	25	0	19.71	19.80	19.71						
10	64QAM	1	48	19.87	19.88	19.79	20.6	0				
10	64QAM	25	0	19.81	20.00	19.81						
10	64QAM	25	12	19.71	19.85	19.76						
10	64QAM	25	25	19.74	19.71	19.75						
10	256QAM	1	0	17.81	18.03	17.84	19.5	1.1				
10	256QAM	1	25	17.75	17.97	17.86						
10	256QAM	1	48	17.71	17.70	17.74						
10	256QAM	25	0	17.84	17.83	17.84						
10	256QAM	25	12	17.86	17.81	17.85	19.5	1.1				
10	256QAM	25	25	17.80	17.82	17.89						
10	256QAM	25	25	17.80	17.82	17.89						
10	256QAM	50	0	17.85	17.88	17.84						
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.83	20.01	19.95	20.6	0				
5	QPSK	1	12	19.83	19.91	19.83						
5	QPSK	1	24	19.76	19.86	19.86						
5	QPSK	12	0	19.77	19.96	19.88						
5	QPSK	12	7	19.76	19.80	19.88	20.6	0				
5	QPSK	12	19	19.82	19.80	19.77						
5	QPSK	25	0	19.58	19.82	19.67						
5	16QAM	1	0	19.84	19.66	19.70						
5	16QAM	1	12	19.69	19.73	19.59	20.6	0				
5	16QAM	1	24	19.70	19.81	19.86						
5	16QAM	12	0	19.69	19.81	19.82						
5	16QAM	12	7	19.63	19.81	19.82						
5	16QAM	12	13	19.72	19.80	19.85	20.6	0				
5	16QAM	25	0	19.69	19.76	19.66						
5	64QAM	1	0	19.84	19.66	19.81						
5	64QAM	1	12	19.77	19.69	19.70						
5	64QAM	1	24	19.46	19.83	19.74	20.5	0.1				
5	64QAM	12	0	19.78	19.69	19.81						
5	64QAM	12	7	19.75	19.78	19.75						
5	64QAM	12	13	19.72	19.78	19.71						
5	64QAM	25	0	19.80	19.76	19.66	19.5	1.1				
5	256QAM	1	0	17.83	18.01	17.86						
5	256QAM	1	12	17.74	18.03	17.82						
5	256QAM	1	24	17.74	17.70	17.78						
5	256QAM	12	0	17.86	17.83	17.85	19.5	1.1				
5	256QAM	12	7	17.79	17.86	17.86						
5	256QAM	12	13	17.70	17.81	17.70						
5	256QAM	25	0	17.87	17.89	17.89						

Band 41 FCC&IC DS13_Simultaneous Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Low Power Ch / Freq	Power High Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Tune-up limit (dBm)	MPE (dB)
Channel											
Frequency (MHz)											
20	QPSK	1	0	19.53	19.56	19.55	19.56	19.48		20.6	0
20	QPSK	1	48	19.37	19.52	19.52	19.24	19.43			
20	QPSK	1	96	19.28	19.32	19.40	19.23	19.41			
20	QPSK	50	0	19.40	19.43	19.43	19.34	19.34			
20	QPSK	50	24	19.32	19.46	19.49	19.21	19.41		20.6	0
20	QPSK	50	48	19.31	19.35	19.31	19.23	19.48			
20	QPSK	100	0	19.29	19.43	19.39	19.32	19.32			
20	16QAM	1	0	19.17	19.31	19.44	19.03	19.29		20.6	0
20	16QAM	1	48	19.35	19.38	19.41	19.22	19.34			
20	16QAM	1	96	19.17	19.17	19.20	19.16	19.29			
20	16QAM	50	0	19.27	19.45	19.52	19.04	19.33			
20	16QAM	50	24	19.18	19.28	19.34	19.06	19.28		20.6	0
20	16QAM	50	50	19.10	19.21	19.26	19.06	19.16			
20	16QAM	100	0	19.01	19.23	19.25	19.06	19.03			
20	64QAM	1	0	19.41	19.41	19.41	19.34	19.34		20.6	0
20	64QAM	1	48	19.30	19.50	19.50	19.14	19.37			
20	64QAM	1	96	19.25	19.28	19.31	19.17	19.36			
20	64QAM	50	0	19.38	19.45	19.53	19.04	19.31			
20	64QAM	50	24	19.21	19.30	19.43	19.06	19.19		20.6	0
20	64QAM	50	48	19.13	19.13	19.13	19.07	19.16			
20	64QAM	100	0	19.10	19.15	19.24	19.00	19.09			
20	256QAM	1	0	19.24	19.26	19.37	19.14	19.23		19.5	1.1
20	256QAM	1	48	19.27	19.18	19.27	19.16	19.24			
20	256QAM	1	96	19.10	19.08	19.23	19.15	19.16			
20	256QAM	50	0	19.29	19.14	19.24	19.14	19.19			
20	256QAM	50	24	19.15	19.14	19.24	19.15	19.14		19.5	1.1
20	256QAM	50	50	19.12	19.05	19.20	19.09	19.11			
20	256QAM	100	0	19.14	19.16	19.22	19.02	19.12			
Channel											
Frequency (MHz)											
15	QPSK	1	0	19.41	19.43	19.43	19.18	19.28		20.6	0
15	QPSK	1	39	19.32	19.45	19.41	19.21	19.39			
15	QPSK	1	74	19.19	19.24	19.26	19.06	19.10			
15	QPSK	50	0	19.34	19.43	19.43	19.10	19.26			
15	QPSK	50	24	19.22	19.40	19.38	19.17	19.30		20.6	0
15	QPSK	50	48	19.14	19.17	19.23	19.07	19.08			
15	QPSK	100	0	19.18	19.34	19.33	19.07	19.23			
15	16QAM	1	0	19.18	19.24	19.33	19.07	19.23		20.6	0
15	16QAM	1	39	19.10	19.24	19.34	19.04	19.25			
15	16QAM	1	74	19.05	19.05	19.26	19.02	19.39			
15	16QAM	50	0	19.14	19.40	19.40	19.10	19.21			
15	16QAM	50	24	19.09	19.25	19.25	19.03	19.26		20.6	0
15	16QAM	50	48	19.04	19.13	19.19	19.05	19.01			
15	16QAM	100	0	19.06	19.13	19.20	19.01	19.13			
15	64QAM	1	0	19.37	19.47	19.51	19.30	19.33		20.6	0
15	64QAM	1	39	19.18	19.45	19.41	19.03	19.25			
15	64QAM	1	74	19.13	19.26	19.26	19.03	19.04			
15	64QAM	50	0	19.16	19.14	19.42	19.17	19.23			
15	64QAM	50	24	19.07	19.07	19.29	19.16	19.19		20.6	0
15	64QAM	50	48	19.08	19.19	19.19	19.12	19.11			
15	64QAM	100	0	19.49	19.52	19.54	19.29	19.50			
15	256QAM	1	0	19.02	19.02	19.14	19.02	19.15		19.5	1.1
15	256QAM	1	39	19.20	19.10	19.20	19.11	19.22			
15	256QAM	1	74	19.04	19.02	19.12	19.11	19.08			
15	256QAM	50	0	19.02	19.03	19.16	19.02	19.15			
15	256QAM	50	24	19.12	19.03	19.10	17.95	19.05		19.5	1.1
15	256QAM	50	48	19.08	17.93	19.11	19.02	19.01			
15	256QAM	100	0	19.10	19.11	19.20	17.95	19.06			
Channel											
Frequency (MHz)											
5	QPSK	1	0	19.50	19.44	19.13	19.43	19.23		20.6	0
5	QPSK	1	25	19.28	19.32	19.35	19.14	19.36			
5	QPSK	1	50	19.25	19.17	19.17	19.05	19.17			
5	QPSK	25	0	19.21	19.32	19.04	19.31	19.24			
5	QPSK	25	12	19.18	19.28	19.33	19.26	19.17		20.6	0
5	QPSK	25	24	19.23	19.08	19.19	19.12	19.18			
5	QPSK	50	0	19.11	19.24	19.42	19.15	19.21			
5	16QAM	1	0	19.04	19.20	19.34	19.06	19.23		20.6	0
5	16QAM	1	25	19.07	19.05	19.05	19.07	19.02			
5	16QAM	1	50	19.05	19.13	19.26	19.04	19.20			
5	16QAM	25	0	19.00	19.07	19.14	19.08	19.01			
5	16QAM	25	12	19.05	19.01	19.09	19.01	19.06		20.6	0
5	16QAM	25	24	19.32	19.40	19.38	19.32	19.24			
5	16QAM	50	0	19.06	19.39	19.29	19.05	19.13			
5	64QAM	1	0	19.06	19.00	19.02	19.07	19.03		20.6	0
5	64QAM	25	0	19.15	19.23	19.39	19.19	19.18			
5	64QAM	25	12	19.07	19.10	19.24	19.19	19.13			
5	64QAM	50	0	19.09	19.14	19.28	19.09	19.12			
5	64QAM	50	0	19.05	19.01	19.08	19.02	19.06		20.6	0
5	64QAM	50	12	19.12	19.14	19.28	19.14	19.12			
5	256QAM	1	0	19.15	19.08	19.29	19.07	19.12			
5	256QAM	1	48	19.05	17.99	19.18	19.12	19.02		19.5	1.1
5	256QAM	1	96	19.14	19.02	19.19	19.07	19.07			
5	256QAM	25	0	19.10	19.06	19.09	17.97	19.09			
5	256QAM	25	12	19.07	19.01	19.10	17.97	19.07			
5	256QAM	50	0	19.09	19.01	19.10	17.95	19.07		19.5	1.1
5	256QAM	50	12	19.10	19.02	19.10	17.95	19.02			
5	256QAM	100	0	19.08	19.10	19.14	17.99	19.09			
Channel											
Frequency (MHz)											
5	QPSK	1	0	19.20	19.21	19.21	19.21	19.21		20.6	0
5	QPSK	1	12	19.22	19.21	19.21	19.07	19.20			
5	QPSK	1	24	19.21	19.03	19.03	19.03	19.03			
5	QPSK	12	0	19.15	19.20	19.20	19.12	19.13			
5	QPSK	12	7	19.07	19.26	19.25	19.10	19.22		20.6	0
5	QPSK	12	14	19.07	19.10	19.07	19.07	19.07			
5	QPSK	24	0	18.99	19.10	19.42	19.12	19.38			
5	16QAM	1	0	18.84	19.15	19.20	19.16	19.13		20.6	0
5	16QAM	1	8	18.84	19.08	19.08	19.08	19.08			
5	16QAM	1	24	19.06	19.02	19.03	19.06	19.19			
5	16QAM	12	0	19.06	19.21	19.21	19.14	19.04			
5	16QAM	12	9	19.05	19.08	19.19	19.04	19.02		20.6	0
5	16QAM	12	18	18.83	19.05	19.01	19.19	19.21			
5	16QAM	12	27	18.84	19.02	19.02	19.02	19.05			
5	64QAM	1	0	19.16	19.27	19.29	19.06	19.11		20.6	0
5	64QAM	1	12	19.02	19.08	19.02	19.02	19.02			
5	64QAM	1	24	19.12	19.14	19.14	19.09	19.12			
5	64QAM	12	0	19.07	19.15	19.05	19.05	19.05			
5	64QAM	12	9	19.13	19.13	19.13	19.09	19.12		20.6	0
5	64QAM	12	18	19.10	19.49	19.05	19.09	19.52			
5	64QAM	12	27	19.13	19.13	19.13	19.09	19.12			
5	256QAM	1	0	19.24	19.07	19.25	19.02	19.11		19.5	1.1
5	256QAM	1	24	17.98	19.06	19.06	19.02	19.01			
5	256QAM	1	48	19.07	19.04	19.09	19.04	19.12			
5	256QAM	12	7	18.08	19.10	19.14	17.99	19.09			
5	256QAM	12	15	19.01	17.96	19.06	19.06	17.96		19.5	1.1
5	256QAM	12	24	19.00	19.00	19.00	19.00	19.00			
5	256QAM	12	33	18.00	19.00	19.00	19.00	19.00			



Band 41 PC2 FCC&IC DS13_Simultaneous Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid-High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.90	20.99	21.13	20.99	22.2	0	
				20.86	21.06	20.94	21.02			
				20.96	20.89	20.97	20.91			
				20.95	20.98	21.07	20.89			
				20.82	20.83	21.03	20.77			
20	QPSK	50	24	20.90	21.06	20.97	20.72	22.2	0	
				20.80	20.80	20.92	20.80			
				21.13	20.97	21.08	21.06			
				21.04	21.04	20.87	20.82			
				21.01	21.11	20.89	21.01			
20	16QAM	1	0	21.07	20.89	21.14	21.07	22.2	0	
				20.96	21.03	21.02	20.87			
				20.89	20.90	20.99	20.94			
				21.07	21.00	21.04	20.79			
				20.80	20.80	20.94	20.85			
20	16QAM	50	24	20.99	20.59	20.89	20.86	22.2	0	
				20.89	20.59	20.89	20.86			
				20.72	20.72	20.93	20.73			
				20.58	20.83	20.79	20.77			
				20.76	20.68	20.94	20.79			
20	256QAM	1	0	20.78	20.68	20.94	20.79	22	0.2	
				20.88	20.71	20.91	20.80			
				20.58	20.65	20.70	20.62			
				20.68	20.58	20.79	20.67			
				20.54	20.45	20.58	20.52			
20	256QAM	50	24	20.54	20.45	20.53	20.47	22	0.2	
				20.62	20.51	20.71	20.60			
				20.72	20.63	20.83	20.73			
				20.80	20.80	20.90	20.86			
				20.74	20.68	20.82	20.68			
15	QPSK	1	37	20.80	20.86	20.90	20.74	22.20	0	
				20.74	20.82	20.91	20.63			
				20.80	20.80	21.00	20.84			
				20.79	20.76	20.91	20.74			
				20.77	20.77	20.89	20.77			
15	16QAM	1	0	21.01	20.84	21.02	20.93	22.2	0	
				20.92	21.00	20.99	20.79			
				20.97	21.09	20.87	20.94			
				20.94	20.88	21.05	21.00			
				20.88	20.88	20.97	20.75			
15	16QAM	36	36	20.94	20.88	21.05	21.00	22.2	0	
				20.88	20.88	20.97	20.75			
				20.76	20.76	20.82	20.88			
				20.87	20.69	21.04	20.79			
				20.94	20.91	20.92	20.86			
15	16QAM	1	37	20.71	20.77	20.80	20.59	22.2	0	
				20.75	20.79	20.81	20.67			
				20.68	20.58	20.69	20.64			
				20.52	20.55	20.71	20.54			
				20.57	20.57	20.68	20.57			
15	256QAM	1	0	20.50	20.58	20.73	20.55	22	0.2	
				20.74	20.65	20.80	20.64			
				20.60	20.53	20.68	20.51			
				20.50	20.52	20.59	20.49			
				20.59	20.48	20.71	20.65			
15	256QAM	36	36	20.45	20.38	20.48	20.49	22	0.2	
				20.52	20.43	20.39	20.37			
				20.61	20.43	20.63	20.41			
				20.50	20.53	20.58	20.45			
				20.50	20.52	20.59	20.49			
10	QPSK	1	25	20.78	21.01	20.83	20.74	22.20	0	
				20.78	20.78	20.85	20.63			
				20.79	20.79	20.89	20.79			
				20.73	20.71	20.94	20.72			
				20.76	20.85	20.88	20.74			
10	16QAM	1	0	21.04	20.90	21.04	21.03	22.2	0	
				20.98	21.12	21.01	20.80			
				20.97	21.04	21.08	20.92			
				21.00	20.84	21.03	20.98			
				20.93	21.00	20.91	20.84			
10	16QAM	26	19	20.81	20.84	20.87	20.86	22.2	0	
				20.87	20.90	21.04	20.82			
				20.94	20.93	20.94	20.83			
				20.77	20.84	20.89	20.69			
				20.83	20.81	20.87	20.68			
10	16QAM	26	12	20.63	20.69	20.60	20.48	22.2	0	
				20.47	20.47	20.75	20.58			
				20.58	20.62	20.70	20.49			
				20.59	20.55	20.73	20.69			
				20.71	20.55	20.83	20.66			
10	256QAM	1	25	20.79	20.69	20.82	20.69	22	0.2	
				20.45	20.56	20.64	20.51			
				20.57	20.45	20.68	20.53			
				20.50	20.50	20.44	20.49			
				20.52	20.35	20.44	20.42			
10	256QAM	26	26	20.53	20.48	20.61	20.33	22	0.2	
				20.63	20.63	20.63	20.39			
				20.63	20.63	20.63	20.63			
				20.75	20.75	20.75	20.72			
				20.75	20.75	20.75	20.75			
5	QPSK	1	24	20.80	20.80	20.89	20.74	22.20	0	
				20.75	20.77	20.89	20.66			
				20.89	20.90	20.96	20.76			
				20.75	20.73	20.98	20.69			
				20.88	21.02	20.86	20.78			
5	QPSK	12	7	20.75	20.66	20.89	20.79	22.2	0	
				21.07	20.86	21.05	20.93			
				20.95	21.07	20.94	20.75			
				20.90	20.82	21.00	20.97			
				20.93	20.91	20.89	20.77			
5	16QAM	1	12	20.83	20.86	20.92	20.91	22.2	0	
				20.99	20.90	21.10	20.81			
				20.89	20.90	20.94	20.80			
				20.77	20.80	20.87	20.80			
				20.75	20.80	20.83	20.71			
5	16QAM	12	7	20.66	20.69	20.72	20.58	22.2	0	
				20.75	20.75	20.85	20.63			
				20.85	20.85	20.95	20.73			
				20.75	20.73	20.98	20.69			
				20.88	21.02	20.86	20.78			
5	256QAM	1	24	20.80	20.62	20.87	20.76	22	0.2	
				20.50	20.58	20.68	20.51			
				20.57	20.44	20.59	20.49			
				20.44	20.41	20.49	20.35			
				20.52	20.42	20.48	20.39			
5	256QAM	12	13	20.62	20.41	20.41	20.39	22	0.2	
				20.62	20.41	20.41	20.39			
				20.62	20.41	20.41	20.39			
				20.62	20.41	20.41	20.39			
				20.62	20.41	20.41	20.39			



GSM900 4x1				Default			
Channel		Sant Average Power (dBm)		Tx-tp		Frame Average Power (dBm)	
TX Channel	198	198	201	Limit	198	199	201
Frequency (MHz)	894.2	895.6	896.8	(dBm)	894.2	895.6	896.8
OPRM-1 Tx-Mid	31.42	31.48	31.36	32.00	22.42	22.48	22.36
OPRM-1 Tx-Mid	31.42	31.42	31.33	32.00	22.39	22.42	22.33
OPRM-2 Tx-Mid	28.27	28.29	28.32	28.00	22.27	22.29	22.30
OPRM-2 Tx-Mid	28.80	28.92	28.80	28.00	22.54	22.55	22.54
OPRM-3 Tx-Mid	25.16	25.22	25.17	26.00	22.16	22.22	22.17
EDGE-1 Tx-Mid	24.03	24.17	24.05	25.00	18.03	18.17	18.05
EDGE-2 Tx-Mid	22.20	22.41	22.34	23.00	16.20	16.41	16.34
EDGE-3 Tx-Mid	21.15	21.23	21.08	22.00	15.89	16.07	15.82
EDGE-4 Tx-Mid	19.39	19.00	19.03	20.00	15.89	16.08	16.00
GSM1800 4x1				Default			
Channel		Sant Average Power (dBm)		Tx-tp		Frame Average Power (dBm)	
TX Channel	514	860	880	Limit	514	860	880
Frequency (MHz)	1890.2	1890	1890.8	(dBm)	1890.2	1890	1890.8
OPRM-1 Tx-Mid	27.46	27.53	27.63	28.00	18.46	18.54	18.63
OPRM-1 Tx-Mid	27.62	27.67	27.67	28.00	18.52	18.67	18.67
OPRM-2 Tx-Mid	25.06	25.00	24.98	26.00	19.06	19.00	18.98
OPRM-3 Tx-Mid	23.36	23.42	23.32	24.00	19.10	19.16	19.06
OPRM-4 Tx-Mid	20.62	20.74	20.63	21.00	17.62	17.74	17.63
EDGE-1 Tx-Mid	12.76	12.86	12.72	13.00	13.76	13.86	13.72
EDGE-2 Tx-Mid	21.13	21.22	21.13	22.00	15.13	15.22	15.13
EDGE-3 Tx-Mid	14.86	14.96	14.86	15.00	15.86	15.96	15.86
EDGE-4 Tx-Mid	17.01	16.00	17.07	18.00	14.91	15.00	14.97
Default WCDMA 4x1				Default WCDMA 4x1			
Channel		Sant Average Power (dBm)		Tx-tp		Frame Average Power (dBm)	
TX Channel	5952	5600	5658	Limit	5952	5600	5658
Frequency (MHz)	1820.4	1860	1867.6	(dBm)	1712.4	1752.6	1752.6
SCPP-Plan-0	21.45	21.55	21.44	22.00	21.42	21.44	21.31
SCPP-Plan-0	21.48	21.51	21.51	22.00	21.45	21.50	21.50
SCPP-Plan-0	20.85	20.64	20.47	21.00	20.48	20.57	20.32
SCPP-Plan-0	20.48	20.51	20.52	21.00	20.42	20.50	20.41
SCPP-Plan-0	20.02	20.14	20.10	21.00	19.91	20.02	19.95
SCPP-Plan-0	19.56	20.18	20.06	21.00	19.87	20.11	20.04
SCPP-Plan-0	20.50	20.70	20.45	21.00	20.48	20.63	20.35
SCPP-Plan-0	20.37	20.42	20.36	21.00	20.33	20.28	20.28
SCPP-Plan-0	19.09	19.96	19.92	21.00	19.84	19.84	19.86
SCPP-Plan-0	19.87	19.84	19.89	21.00	19.82	19.80	19.83
SCPP-Plan-0	20.86	20.81	20.86	21.00	20.43	20.58	20.56
SCPP-Plan-0	18.53	18.67	18.52	19.00	18.42	18.39	18.40
SCPP-Plan-0	18.13	18.86	18.68	20.00	18.53	18.47	18.49
SCPP-Plan-0	18.45	18.49	18.44	19.00	18.37	18.45	18.35
SCPP-Plan-0	20.59	20.49	20.59	21.00	20.55	20.38	20.33



Band 2 Default Ant 1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F. (mW)	Power Ch./F. (mW)	Power Ch./F. (mW)	Time-up Int. (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	20.90	21.00	20.88	22	0						
20	QPSK	1	49	20.92	21.04	20.88								
20	QPSK	1	99	20.90	20.90	20.90	22	0						
20	QPSK	50	0	20.99	21.04	20.89								
20	QPSK	50	24	20.87	20.90	20.80	22	0						
20	QPSK	50	50	20.88	20.93	20.79								
20	16QAM	1	49	20.77	20.83	20.83	22	0						
20	16QAM	1	99	20.69	20.73	20.77								
20	16QAM	100	0	20.76	20.86	20.79	21.5	0.5						
20	16QAM	100	50	20.72	20.85	20.69								
20	16QAM	50	50	20.72	20.79	20.66	21.5	0.5						
20	16QAM	100	0	20.76	20.86	20.77								
20	64QAM	1	0	20.71	20.80	20.71	21.5	0.5						
20	64QAM	1	49	20.67	20.76	20.72								
20	64QAM	1	99	20.71	20.72	20.69	20.5	1.5						
20	64QAM	50	24	19.77	17.73	19.68								
20	256QAM	1	0	17.86	17.89	17.86	18.5	3.5						
20	256QAM	1	49	17.87	17.89	17.89								
20	256QAM	1	99	17.82	17.86	17.81	18.5	3.5						
20	256QAM	50	0	17.89	17.84	17.88								
20	256QAM	50	24	17.73	17.83	17.80	18.5	3.5						
20	256QAM	50	50	17.75	17.81	17.69								
20	256QAM	100	0	17.81	17.87	17.74	18.5	3.5						
20	256QAM	100	50	17.87	18.00	17.95								
Channel														
Frequency (MHz)														
15	QPSK	1	0	20.86	21.02	20.89	22	0						
15	QPSK	1	37	20.70	20.88	20.78								
15	QPSK	1	74	20.73	21.00	20.89	22	0						
15	QPSK	1	111	20.93	21.03	20.87								
15	QPSK	36	20	20.78	20.91	20.88	22	0						
15	QPSK	36	56	20.90	20.83	20.73								
15	QPSK	36	92	20.82	20.96	20.77	22	0						
15	16QAM	1	0	20.75	20.91	20.81								
15	16QAM	1	37	20.76	20.73	20.84	21.5	0.5						
15	16QAM	1	74	20.76	20.79	20.74								
15	16QAM	36	0	20.72	20.83	20.75	21.5	0.5						
15	16QAM	36	20	20.64	20.84	20.69								
15	16QAM	36	56	20.85	20.83	20.67	21.5	0.5						
15	16QAM	100	0	20.73	20.83	20.75								
15	64QAM	1	0	20.70	20.72	20.67	21.5	0.5						
15	64QAM	1	74	20.66	20.76	20.67								
15	64QAM	1	111	20.49	20.69	20.55	20.5	1.5						
15	64QAM	36	20	20.72	20.82	20.68								
15	64QAM	36	56	20.78	20.81	20.61	20.5	1.5						
15	64QAM	100	0	20.66	20.82	20.63								
15	256QAM	1	0	17.80	17.86	17.80	18.5	3.5						
15	256QAM	1	37	17.81	17.85	17.85								
15	256QAM	1	74	17.76	17.85	17.72	18.5	3.5						
15	256QAM	36	20	17.82	17.84	17.81								
15	256QAM	36	56	17.82	17.78	17.65	18.5	3.5						
15	256QAM	75	0	17.72	17.89	17.80								
Channel														
Frequency (MHz)														
10	QPSK	1	0	20.95	21.00	20.95	22	0						
10	QPSK	1	49	20.91	21.05	20.91								
10	QPSK	1	99	20.76	20.76	20.76	22	0						
10	QPSK	1	149	20.71	20.94	20.92								
10	QPSK	25	0	20.94	20.94	20.87	22	0						
10	QPSK	25	24	20.84	20.95	20.84								
10	QPSK	25	49	20.84	20.93	20.76	22	0						
10	QPSK	50	0	20.80	20.86	20.82								
10	16QAM	1	25	20.76	20.86	20.77	22	0						
10	16QAM	1	75	20.69	20.79	20.75								
10	16QAM	1	125	20.78	20.74	20.85	22	0						
10	16QAM	1	175	20.62	20.73	20.73								
10	16QAM	25	0	20.82	20.83	20.73	21.5	0.5						
10	16QAM	25	25	20.68	20.80	20.64								
10	16QAM	50	0	20.73	20.87	20.77	21.5	0.5						
10	16QAM	50	25	20.64	20.75	20.71								
10	64QAM	1	0	20.69	20.89	20.85	21.5	0.5						
10	64QAM	1	25	20.64	20.76	20.64								
10	64QAM	1	49	20.49	20.89	20.85	20.5	1.5						
10	64QAM	25	12	20.75	20.86	20.71								
10	64QAM	25	37	20.75	20.86	20.69	20.5	1.5						
10	64QAM	50	0	20.75	20.86	20.69								
10	256QAM	1	0	17.81	17.82	17.85	18.5	3.5						
10	256QAM	1	25	17.81	17.82	17.85								
10	256QAM	25	0	17.82	17.85	17.89	18.5	3.5						
10	256QAM	25	12	17.69	17.78	17.75								
10	256QAM	25	37	17.75	17.78	17.75	18.5	3.5						
10	256QAM	50	0	17.82	17.78	17.68								
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.81	21.06	20.88	22	0						
5	QPSK	1	12	20.65	20.99	20.82								
5	QPSK	1	24	20.72	21.01	20.80	22	0						
5	QPSK	12	0	20.90	21.01	20.81								
5	QPSK	12	7	20.87	20.95	20.86	22	0						
5	QPSK	12	13	20.86	20.84	20.73								
5	QPSK	12	19	20.87	20.94	20.79	22	0						
5	16QAM	1	0	20.78	20.90	20.76								
5	16QAM	1	12	20.73	20.74	20.73	22	0						
5	16QAM	1	24	20.62	20.67	20.71								
5	16QAM	12	0	20.83	20.83	20.78	21.5	0.5						
5	16QAM	12	7	20.71	20.79	20.64								
5	16QAM	12	13	20.71	20.76	20.71	21.5	0.5						
5	16QAM	25	0	20.73	20.78	20.74								
5	64QAM	1	0	20.65	20.77	20.62	21.5	0.5						
5	64QAM	1	12	20.60	20.68	20.53								
5	64QAM	1	24	20.48	20.68	20.53	20.5	1.5						
5	64QAM	12	0	20.71	20.82	20.66								
5	64QAM	12	7	20.73	20.82	20.68	20.5	1.5						
5	64QAM	25	0	20.69	20.78	20.69								
5	256QAM	1	0	17.81	17.82	17.85	18.5	3.5						
5	256QAM	1	12	17.79	17.79	17.81								
5	256QAM	1	24	17.78	17.78	17.81	18.5	3.5						
5	256QAM	12	0	17.80	17.81	17.80								
5	256QAM	12	7	17.66	17.84	17.67	18.5	3.5						
5	256QAM	12	13	17.73	17.76	17.69								
5	256QAM	12	19	17.84	17.79	17.79	18.5	3.5						
5	256QAM	25	0	17.82	17.78	17.68								
Channel														
Frequency (MHz)														
3	QPSK	1	0	20.91	21.00	20.91	22	0						
3	QPSK	1	24	20.76	20.93	20.83								
3	QPSK	1	49	20.76	20.93	20.83	22	0						
3	QPSK	8	0	20.87	20.99	20.84								
3	QPSK	8	24	20.87	20.94	20.84	22	0						
3	QPSK	8	7	20.80	20.87	20.78								
3	QPSK	15	0	20.84	20.86	20.86	22	0						
3	QPSK	15	7	20.76	20.83	20.76								
3	16QAM	1	8	20.72	20.75	20.77	22	0						
3	16QAM	1	14	20.65	20.68	20.77								
3	16QAM	8	0	20.78	20.80	20.78	21.5	0.5						
3	16QAM	8	4	20.72	20.79	20.64								
3	64QAM	1	0	20.70	20.71	20.60	21.5	0.5						
3	64QAM	1	8	20.61	20.74	20.63								
3	64QAM	1	16	20.54	20.67	20.55	21.5	0.5						
3	64QAM	8	0	20.71	20.74	20.63								
3	64QAM	8	4	19.71	19.84	19.69	20.5	1.5						
3	64QAM	15	0	20.76	20.77	20.66								
3	64QAM	15	8	19.79	19.73	19.77	20.5	1.5						
3	256QAM	1	0	17.84	17.84	17.87								
3	256QAM	1	16	17.77	17.84	17.87	18.5	3.5						
3	256QAM	1	32	17.81	17.82	17.75								
3	256QAM	8	0	17.88	17.92	17.79	18.5	3.5						
3	256QAM	8	4	17.85	17.84	17.78								
3	256QAM	15	0	17.71	17.81	17.73	18.5	3.5						
3	256QAM	15	8	17.60	17.75	17.68								
3	256QAM	15	0	17.80	17.78	17.75	18.5	3.5						
3	256QAM	15	8	17.67	17.78	17.71								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	20.81	21.07	20.93	22	0						
1.4	QPSK	1	3	20.86	20.93	20.79								
1.4	QPSK	1	6	20.76	20.86	20.83	22	0						
1.4	QPSK	3	0	20.95	21.00	20.80								
1.4	QPSK	3	1	20.77	20.88	20.78	22	0						
1.4	QPSK	3	2	20.76	20.86	20.73								
1.4	QPSK	6	0	20.86	20.91	20.83	22	0						
1.4	QPSK	6	3	20.73	20.81	20.76								
1.4	16QAM	1	0	20.73	20.71	20.75	22	0						
1.4	16QAM	1	3	20.68	20.79	20.75								
1.4	16QAM	3	0	20.71	20.84	20.69	21.5	0.5						
1.4	16QAM	3	1	20.69	20.79	20.77								
1.4	16QAM	3	2	20.64	20.84	20.84	21.5	0.5						
1.4	16QAM	6	0	20.70	20.77	20.74								
1.4	64QAM	1	0	20.63	20.80	20.73	21.5	0.5						
1.4	64QAM	1	3	20.67	20.77	20.63			</					

Band 12 Default Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dB)	MPE (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	21.61	21.73	21.68	23	0			
10	QPSK	1	25	21.43	21.61	21.62					
10	QPSK	1	49	21.47	21.49	21.52					
10	QPSK	25	0	21.60	21.70	21.65	23	0			
10	QPSK	25	12	21.56	21.63	21.53					
10	QPSK	25	25	21.46	21.48	21.46					
10	QPSK	50	0	21.51	21.57	21.51	23	0			
10	16QAM	1	0	21.55	21.63	21.51					
10	16QAM	1	25	21.40	21.48	21.48					
10	16QAM	1	49	21.35	21.48	21.44	22.5	0.5			
10	16QAM	25	0	21.30	21.59	21.49					
10	16QAM	25	12	21.34	21.46	21.40					
10	16QAM	25	25	21.38	21.39	21.41	22.5	0.5			
10	16QAM	50	0	21.33	21.54	21.40					
10	16QAM	50	12	21.26	21.50	21.36					
10	16QAM	1	25	21.26	21.32	21.33	22.5	0.5			
10	16QAM	1	49	21.24	21.36	21.28					
10	16QAM	1	0	21.34	21.50	21.36					
10	16QAM	1	25	21.26	21.32	21.33	22.5	0.5			
10	16QAM	25	12	20.37	20.43	20.31					
10	16QAM	25	25	20.28	20.34	20.33					
10	16QAM	50	0	20.25	20.37	20.31	21.5	1.5			
10	256QAM	1	0	18.44	18.62	18.49					
10	256QAM	1	25	18.42	18.62	18.49					
10	256QAM	1	49	18.41	18.37	18.33	19.5	3.5			
10	256QAM	25	0	18.35	18.53	18.42					
10	256QAM	25	12	18.26	18.37	18.36					
10	256QAM	25	25	18.24	18.32	18.32	19.5	3.5			
10	256QAM	50	0	18.33	18.45	18.36					
Channel											
Frequency (MHz)											
5	QPSK	1	0	21.56	21.66	21.61	23	0			
5	QPSK	1	12	21.37	21.56	21.43					
5	QPSK	1	24	21.33	21.44	21.40					
5	QPSK	12	0	21.51	21.58	21.44	23	0			
5	QPSK	12	7	21.49	21.58	21.39					
5	QPSK	12	13	21.34	21.39	21.41					
5	QPSK	25	0	21.40	21.48	21.53	23	0			
5	16QAM	1	0	21.48	21.51	21.49					
5	16QAM	1	12	21.30	21.37	21.23					
5	16QAM	1	24	21.22	21.37	21.31	22.5	0.5			
5	16QAM	12	0	21.26	21.46	21.41					
5	16QAM	12	7	21.23	21.39	21.27					
5	16QAM	12	13	21.27	21.32	21.38	22.5	0.5			
5	16QAM	25	0	21.26	21.43	21.34					
5	16QAM	1	0	21.20	21.38	21.22	22.5	0.5			
5	16QAM	12	12	21.13	21.26	21.20					
5	16QAM	1	24	21.13	21.26	21.20					
5	16QAM	12	0	20.31	20.41	20.36	21.5	1.5			
5	16QAM	12	13	20.33	20.34	20.33					
5	16QAM	12	13	20.17	20.20	20.18					
5	16QAM	25	0	20.15	20.22	20.24	19.5	3.5			
5	256QAM	1	0	18.36	18.53	18.35					
5	256QAM	1	12	18.31	18.50	18.45					
5	256QAM	1	24	18.28	18.31	18.25	19.5	3.5			
5	256QAM	12	0	18.26	18.39	18.30					
5	256QAM	12	7	18.17	18.24	18.23					
5	256QAM	12	13	18.20	18.23	18.28	19.5	3.5			
5	256QAM	25	0	18.25	18.42	18.37					
Channel											
Frequency (MHz)											
3	QPSK	1	0	21.48	21.68	21.63	23	0			
3	QPSK	1	3	21.34	21.54	21.57					
3	QPSK	1	6	21.46	21.64	21.61					
3	QPSK	3	0	21.56	21.69	21.63	23	0			
3	QPSK	3	1	21.42	21.62	21.62					
3	QPSK	3	3	21.40	21.62	21.62					
3	QPSK	8	0	21.48	21.52	21.39	23	0			
3	QPSK	8	7	21.32	21.40	21.38					
3	QPSK	8	14	21.37	21.42	21.39					
3	QPSK	16	0	21.37	21.42	21.39	23	0			
3	16QAM	1	0	21.47	21.57	21.37					
3	16QAM	1	8	21.30	21.41	21.33					
3	16QAM	1	16	21.31	21.42	21.39	23	0			
3	16QAM	8	0	21.37	21.46	21.37					
3	16QAM	8	8	21.28	21.49	21.41					
3	16QAM	8	16	21.21	21.38	21.30	22.5	0.5			
3	16QAM	16	0	21.22	21.47	21.36					
3	16QAM	16	8	21.20	21.40	21.29					
3	16QAM	16	16	21.13	21.39	21.31	22.5	0.5			
3	16QAM	32	0	21.06	21.35	21.26					
3	16QAM	32	8	20.97	20.43	20.39					
3	16QAM	32	16	20.90	20.38	20.32	21.5	1.5			
3	16QAM	64	0	20.83	20.38	20.33					
3	16QAM	64	8	20.76	20.19	20.19					
3	16QAM	15	0	20.19	20.25	20.22	19.5	3.5			
3	256QAM	1	0	18.47	18.66	18.47					
3	256QAM	1	8	18.27	18.48	18.43					
3	256QAM	1	16	18.26	18.33	18.26	19.5	3.5			
3	256QAM	8	0	18.36	18.51	18.31					
3	256QAM	8	8	18.25	18.30	18.30					
3	256QAM	8	16	18.19	18.28	18.28	19.5	3.5			
3	256QAM	8	24	18.20	18.19	18.29					
3	256QAM	15	0	18.23	18.36	18.31					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	21.46	21.69	21.55	23	0			
1.4	QPSK	1	3	21.35	21.50	21.49					
1.4	QPSK	1	5	21.40	21.44	21.45					
1.4	QPSK	3	0	21.57	21.57	21.49	23	0			
1.4	QPSK	3	1	21.48	21.59	21.39					
1.4	QPSK	3	3	21.36	21.33	21.35					
1.4	QPSK	8	0	21.39	21.50	21.30	23	0			
1.4	16QAM	1	0	21.50	21.56	21.39					
1.4	16QAM	1	3	21.34	21.40	21.33					
1.4	16QAM	1	5	21.26	21.42	21.49	22.5	0.5			
1.4	16QAM	3	0	21.28	21.46	21.39					
1.4	16QAM	3	1	21.26	21.44	21.28					
1.4	16QAM	3	3	21.23	21.37	21.35	22.5	0.5			
1.4	16QAM	8	0	21.21	21.48	21.34					
1.4	16QAM	1	0	21.28	21.41	21.27					
1.4	16QAM	1	9	21.13	21.21	21.19	22.5	0.5			
1.4	16QAM	1	5	21.19	21.28	21.18					
1.4	16QAM	3	0	21.23	21.36	21.30					
1.4	16QAM	3	3	21.23	21.23	21.20	21.5	1.5			
1.4	16QAM	3	3	21.10	21.22	21.17					
1.4	16QAM	8	0	20.35	20.41	20.29					
1.4	256QAM	1	0	18.37	18.49	18.44	19.5	3.5			
1.4	256QAM	1	3	18.33	18.55	18.44					
1.4	256QAM	1	5	18.29	18.28	18.24					
1.4	256QAM	12	0	18.27	18.39	18.30	19.5	3.5			
1.4	256QAM	12	7	18.14	18.30	18.24					
1.4	256QAM	12	13	18.15	18.24	18.22					
1.4	256QAM	25	0	18.27	18.39	18.16	19.5	3.5			
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	21.46	21.69	21.55	23	0			
1.4	QPSK	1	3	21.35	21.50	21.49					
1.4	QPSK	1	5	21.40	21.44	21.45					
1.4	QPSK	3	0	21.57	21.57	21.49	23	0			
1.4	QPSK	3	1	21.48	21.59	21.39					
1.4	QPSK	3	3	21.36	21.33	21.35					
1.4	QPSK	8	0	21.39	21.50	21.30	23	0			
1.4	16QAM	1	0	21.50	21.56	21.39					
1.4	16QAM	1	3	21.34	21.40	21.33					
1.4	16QAM	1	5	21.26	21.42	21.49	22.5	0.5			
1.4	16QAM	3	0	21.28	21.46	21.39					
1.4	16QAM	3	1	21.26	21.44	21.28					
1.4	16QAM	3	3	21.23	21.37	21.35	22.5	0.5			
1.4	16QAM	8	0	21.21	21.48	21.34					
1.4	16QAM	1	0	21.28	21.41	21.27					
1.4	16QAM	1	9	21.13	21.21	21.19	22.5	0.5			
1.4	16QAM	1	5	21.19	21.28	21.18					
1.4	16QAM	3	0	21.23	21.36	21.30					
1.4	16QAM	3	3	21.23	21.23	21.20	21.5	1.5			
1.4	16QAM	3	3	21.10	21.22	21.17					
1.4	16QAM	8	0	20.35	20.41	20.29					
1.4	256QAM	1	0	18.37	18.49	18.44	19.5	3.5			
1.4	256QAM	1	3	18.33	18.55	18.44					
1.4	256QAM	1	5	18.29	18.28	18.24					
1.4	256QAM	12	0	18.27	18.39	18.30	19.5	3.5			
1.4	256QAM	12	7	18.14	18.30	18.24					
1.4	256QAM	12	13	18.15	18.24	18.22					
1.4	256QAM	25	0	18.27	18.39	18.16	19.5	3.5			
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	21.46	21.69	21.55	23	0			
1.4	QPSK	1	3	21.35	21.50	21.49					
1.4	QPSK	1	5	21.40	21.44	21.45					
1.4	QPSK	3	0	21.57	21.57	21.49	23	0			
1.4	QPSK	3	1	21.48	21.59	21.39					
1.4	QPSK	3	3	21.36	21.33	21.35					
1.4	QPSK	8	0	21.39	21.50	21.30	23	0			
1.4	16QAM	1	0	21.50	21.56	21.39					
1.4	16QAM	1	3	21.34	21.40	21.33					
1.4	16QAM	1	5	21.26	21.42	21.49	22.5	0.5			
1.4	16QAM	3	0	21.28	21.46	21.39					
1.4	16QAM	3	1	21.26	21.44	21.28					
1.4	16QAM	3	3	21.23	21.37	21.35	22.5	0.5			
1.4	16QAM	8	0	21.21	21.48	21.34					
1.4	16QAM	1	0	21.28	21.41	21.27					
1.4	16QAM	1	9	21.13	21.21	21.19	22.5	0.5			
1.4	16QAM	1	5	21.19	21.28	21.18					
1.4											



Band 25 Default Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Modch / Freq	Power Hgh Ch / Freq	Power Low Ch / Freq	Turn-up Intvl (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.00	21.11	21.06			22	0		
20	QPSK	1	49	20.84	20.97	20.93						
20	QPSK	1	99	20.83	20.92	20.87			22	0		
20	QPSK	50	0	20.92	21.06	20.96						
20	QPSK	50	24	20.84	20.89	20.85			22	0		
20	QPSK	50	50	20.76	20.87	20.80						
20	QPSK	100	0	20.89	21.02	20.94			22	0		
20	16QAM	1	0	20.87	21.06	20.97						
20	16QAM	1	49	20.83	20.89	20.89			22	0		
20	16QAM	1	99	20.78	20.85	20.80						
20	16QAM	50	0	20.84	21.00	20.94			22	0		
20	16QAM	50	24	20.77	20.90	20.83						
20	16QAM	50	50	20.74	20.79	20.75			22	0		
20	16QAM	100	0	20.82	20.94	20.78						
20	16QAM	1	0	20.88	21.09	20.97			22	0		
20	16QAM	1	49	20.82	20.97	20.89						
20	16QAM	50	0	20.89	21.01	20.91			22	0		
20	16QAM	50	24	20.81	20.89	20.84						
20	16QAM	50	50	20.70	20.78	20.74			22	0		
20	16QAM	100	0	20.86	20.95	20.82						
20	256QAM	1	0	17.86	18.07	17.89			19	3		
20	256QAM	1	49	17.92	18.07	17.95						
20	256QAM	1	99	17.77	17.84	17.77			19	3		
20	256QAM	50	0	17.86	17.92	17.86						
20	256QAM	50	24	17.80	17.85	17.84			19	3		
20	256QAM	50	50	17.71	17.82	17.78						
20	256QAM	100	0	17.82	17.85	17.80						
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.89	21.07	20.96			22	0		
15	QPSK	1	37	20.75	20.91	20.84						
15	QPSK	1	74	20.75	20.84	20.75			22	0		
15	QPSK	36	0	20.83	20.94	20.91						
15	QPSK	36	20	20.80	20.77	20.75			22	0		
15	QPSK	36	36	20.62	20.75	20.74						
15	QPSK	75	0	20.82	20.88	20.86			22	0		
15	16QAM	1	0	20.80	20.88	20.86						
15	16QAM	1	37	20.77	20.83	20.79			22	0		
15	16QAM	1	74	20.76	20.77	20.76						
15	16QAM	36	0	20.71	20.86	20.71			22	0		
15	16QAM	36	20	20.71	20.86	20.74						
15	16QAM	36	36	20.69	20.81	20.81			22	0		
15	16QAM	75	0	20.78	20.81	20.81						
15	16QAM	1	0	20.83	21.06	20.86			22	0		
15	16QAM	1	37	20.88	20.85	20.87						
15	16QAM	1	74	20.74	20.85	20.75			22	0		
15	16QAM	36	0	20.76	20.86	20.75						
15	16QAM	36	20	20.76	20.86	20.75			22	0		
15	16QAM	36	36	20.62	20.83	20.82						
15	16QAM	75	0	20.77	20.81	20.80			22	0		
15	16QAM	1	0	17.86	18.03	17.88						
15	256QAM	1	37	17.89	18.03	17.78			19	3		
15	256QAM	1	74	17.83	17.71	17.73						
15	256QAM	36	0	17.86	17.84	17.86			19	3		
15	256QAM	36	20	17.89	17.78	17.77						
15	256QAM	36	36	17.86	17.78	17.87			19	3		
15	256QAM	75	0	17.78	17.87	17.80						
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.88	21.02	20.94			22	0		
10	QPSK	1	25	20.78	20.93	20.89						
10	QPSK	1	49	20.78	20.80	20.73			22	0		
10	QPSK	25	0	20.81	21.02	20.91						
10	QPSK	25	12	20.77	20.77	20.75			22	0		
10	QPSK	25	25	20.63	20.78	20.73						
10	16QAM	1	0	20.80	20.97	20.82			22	0		
10	16QAM	1	25	20.74	20.79	20.75						
10	16QAM	25	0	20.77	20.91	20.75			22	0		
10	16QAM	25	12	20.68	20.85	20.74						
10	16QAM	25	25	20.67	20.84	20.82			22	0		
10	16QAM	50	0	20.76	20.81	20.82						
10	16QAM	1	0	20.80	21.00	20.89			22	0		
10	16QAM	1	25	20.77	20.82	20.77						
10	16QAM	1	49	20.84	20.80	20.86			22	0		
10	16QAM	25	0	20.79	20.88	20.74						
10	16QAM	25	12	20.68	20.80	20.77			22	0		
10	16QAM	25	25	20.65	20.86	20.82						
10	16QAM	50	0	20.71	20.91	20.75			22	0		
10	256QAM	1	0	17.87	18.03	17.77						
10	256QAM	1	25	17.88	17.99	17.74			19	3		
10	256QAM	1	49	17.71	17.75	17.82						
10	256QAM	25	0	17.80	17.85	17.82			19	3		
10	256QAM	25	12	17.74	17.71	17.77						
10	256QAM	25	25	17.64	17.74	17.74			19	3		
10	256QAM	50	0	17.82	17.86	17.79						
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.84	21.09	21.03			22	0		
5	QPSK	1	12	20.80	20.84	20.89						
5	QPSK	1	24	20.69	20.81	20.80			22	0		
5	QPSK	12	7	20.73	20.83	20.74						
5	QPSK	12	13	20.64	20.80	20.74			22	0		
5	QPSK	25	0	20.81	20.92	20.86						
5	16QAM	1	0	20.73	20.92	20.82			22	0		
5	16QAM	1	12	20.73	20.81	20.75						
5	16QAM	1	24	20.68	20.71	20.75			22	0		
5	16QAM	12	0	20.77	20.90	20.89						
5	16QAM	12	7	20.72	20.78	20.72			22	0		
5	16QAM	12	13	20.64	20.74	20.67						
5	16QAM	25	0	20.69	20.84	20.83			22	0		
5	16QAM	1	0	20.85	21.04	20.91						
5	16QAM	1	12	20.85	20.88	20.81			22	0		
5	16QAM	1	24	20.77	20.79	20.69						
5	16QAM	12	0	20.75	20.92	20.84			22	0		
5	16QAM	12	7	20.77	20.74	20.70						
5	16QAM	12	13	20.59	20.68	20.63			22	0		
5	16QAM	25	0	20.74	20.84	20.86						
5	256QAM	1	0	17.77	18.03	17.77			19	3		
5	256QAM	1	12	17.81	18.02	17.74						
5	256QAM	1	24	17.73	17.70	17.86			19	3		
5	256QAM	12	0	17.76	17.87	17.75						
5	256QAM	12	7	17.70	17.71	17.74			19	3		
5	256QAM	12	13	17.62	17.70	17.74						
5	256QAM	25	0	17.63	18.04	17.85						
Channel												
Frequency (MHz)												
3	QPSK	1	0	20.95	20.99	20.94			22	0		
3	QPSK	1	8	20.75	20.93	20.87						
3	QPSK	1	14	20.71	20.87	20.79			22	0		
3	QPSK	8	0	20.81	21.02	20.91						
3	QPSK	8	4	20.73	20.83	20.76			22	0		
3	QPSK	8	7	20.69	20.79	20.71						
3	QPSK	16	0	20.81	20.84	20.83			22	0		
3	16QAM	1	0	20.80	20.88	20.86			22	0		
3	16QAM	1	8	20.78	20.94	20.85						
3	16QAM	1	14	20.65	20.79	20.72			22	0		
3	16QAM	8	0	20.82	20.96	20.87						
3	16QAM	8	4	20.87	20.84	20.72			22	0		
3	16QAM	8	7	20.69	20.69	20.61						
3	16QAM	16	0	20.83	21.00	20.87			22	0		
3	16QAM	1	8	20.86	20.93	20.78						
3	16QAM	1	14	20.75	20.93	20.84			22	0		
3	16QAM	8	0	20.75	20.88	20.79						
3	16QAM	8	4	20.71	20.78	20.73			22	0		
3	256QAM	1	0	17.68	17.86	17.69						
3	256QAM	1	8	17.62	17.81	17.64			22	0		
3	256QAM	1	14	17.71	17.69	17.63						
3	256QAM	8	0	17.62	17.84	17.64			22	0		
3	256QAM	8	7	17.46	17.73	17.70						
3	256QAM	8	7	17.65	17.73	17.73			19	3		
3	256QAM	16	0	17.63	17.83	17.63						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	20.91	21.00	21.02			22	0		
1.4	QPSK	1	8	20.80	20.88	20.85						
1.4	QPSK	1	16	20.69	20.88	20.75			22	0		
1.4	QPSK	3	0	20.85	20.98	20.91						
1.4	QPSK	3	8	20.76	20.76	20.76			22	0		
1.4	QPSK	3	16	20.69	20.78	20.72						
1.4	16QAM	1	0	20.90	20.92	20.90			22	0		
1.4	16QAM	1	8	20.78	21.01	20.87						
1.4	16QAM	3	0	20.85	20.92	20.75			22	0		
1.4	16QAM	3	16	20.65	20.84	20.71						
1.4	16QAM	6	0	20.73	20.85	20.80			22	0		
1.4	16QAM	6	8	20.74	20.84	20.84						
1.4	16QAM	6	16	20.65	20.81	20.85			22	0		
1.4	16QAM	6	24	20.73	20.82	20.74						
1.4	16QAM	3	0	20.77	20.91	20.75			22	0		
1.4	16QAM	3	8	20.55	20.72	20.63						
1.4	16QAM	3	16	20.78	20.84	20.84			22	0		
1.4	256QAM	1	0	17.84	17.7							

Band 66 Default Ant 1										
SV [MHz]	Modulation	RB Size	RB Offset	Power [dBm] Low Ch./Freq.	Power [dBm] Mid Ch./Freq.	Power [dBm] High Ch./Freq.	Turn-up time (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.03	21.12	20.87	22	0		
20	QPSK	1	49	20.91	21.03	20.88				
20	QPSK	1	99	20.86	20.90	20.79				
20	QPSK	50	0	20.87	21.07	20.86				
20	QPSK	50	24	20.80	20.88	20.84	22	0		
20	QPSK	50	50	20.80	20.87	20.88				
20	QPSK	100	0	20.84	20.95	20.82				
20	16QAM	1	0	20.90	20.92	20.87				
20	16QAM	1	49	20.74	20.88	20.89	22	0		
20	16QAM	1	99	20.78	20.82	20.73				
20	16QAM	50	0	20.71	20.87	20.79				
20	16QAM	50	24	20.84	20.88	20.85				
20	16QAM	50	50	20.83	20.89	20.89	22	0		
20	16QAM	100	0	20.83	20.94	20.82				
20	84QAM	1	0	20.81	20.92	20.74				
20	84QAM	1	49	20.75	20.89	20.71				
20	84QAM	1	99	20.85	20.89	20.68	22	0		
20	84QAM	50	0	20.81	20.79	20.69				
20	84QAM	50	24	20.59	20.70	20.54				
20	84QAM	50	50	20.56	20.60	20.49				
20	84QAM	100	0	20.74	20.83	20.62	22	0		
20	84QAM	100	24	20.69	20.76	20.64				
20	84QAM	100	50	20.68	20.75	20.65				
20	84QAM	100	75	20.67	20.83	20.79				
20	84QAM	75	0	20.74	20.89	20.71	22	0		
20	84QAM	75	0	17.76	17.86	17.81				
20	256QAM	1	37	17.78	18.02	17.83				
20	256QAM	1	74	17.65	17.85	17.81				
20	256QAM	36	0	17.46	17.55	17.50	19	3		
20	256QAM	36	20	17.47	17.53	17.41				
20	256QAM	36	39	17.37	17.50	17.33				
20	256QAM	75	0	17.64	17.81	17.74				
Channel				13.9922	13.9922	13.9922	Turn-up time (sec)	MPE (dB)		
Frequency (MHz)										
10	QPSK	1	0	20.84	21.01	20.83	22	0		
10	QPSK	1	25	20.83	20.95	20.71				
10	QPSK	1	49	20.82	20.78	20.72				
10	QPSK	25	0	20.76	20.87	20.79				
10	QPSK	25	12	20.68	20.78	20.79	22	0		
10	QPSK	25	25	20.76	20.81	20.74				
10	QPSK	80	0	20.74	20.84	20.74				
10	16QAM	1	0	20.81	20.83	20.74				
10	16QAM	1	25	20.68	20.78	20.74	22	0		
10	16QAM	1	49	20.75	20.76	20.64				
10	16QAM	25	0	20.58	20.81	20.65				
10	16QAM	25	12	20.54	20.58	20.60				
10	16QAM	25	25	20.56	20.65	20.49	22	0		
10	16QAM	50	0	20.80	20.82	20.68				
10	84QAM	1	0	20.72	20.86	20.71				
10	84QAM	1	25	20.61	20.74	20.64				
10	84QAM	1	49	20.51	20.55	20.58	22	0		
10	84QAM	25	0	20.47	20.71	20.57				
10	84QAM	25	12	20.48	20.64	20.63				
10	84QAM	25	25	20.47	20.48	20.45				
10	84QAM	50	0	20.67	20.79	20.75	22	0		
10	256QAM	1	0	17.86	17.87	17.82				
10	256QAM	1	25	17.86	17.85	17.87				
10	256QAM	1	49	17.66	17.76	17.69				
10	256QAM	25	0	17.53	17.53	17.59	19	3		
10	256QAM	25	12	17.52	17.52	17.59				
10	256QAM	25	25	17.57	17.46	17.43				
10	256QAM	50	0	17.65	17.65	17.75				
Channel				13.9997	13.9922	13.9942	Turn-up time (sec)	MPE (dB)		
Frequency (MHz)										
5	QPSK	1	0	20.81	20.88	20.83	22	0		
5	QPSK	1	12	20.85	20.92	20.79				
5	QPSK	1	24	20.80	20.82	20.68				
5	QPSK	12	0	20.75	20.94	20.82				
5	QPSK	12	7	20.76	20.79	20.71	22	0		
5	QPSK	12	13	20.67	20.80	20.79				
5	QPSK	25	0	20.73	20.81	20.67				
5	16QAM	1	0	20.81	20.80	20.76				
5	16QAM	1	12	20.64	20.73	20.75	22	0		
5	16QAM	1	24	20.75	20.73	20.65				
5	16QAM	12	0	20.87	20.72	20.64				
5	16QAM	12	7	20.58	20.67	20.60				
5	16QAM	12	13	20.50	20.50	20.54	22	0		
5	16QAM	25	0	20.76	20.88	20.69				
5	84QAM	1	0	20.70	20.83	20.66				
5	84QAM	1	12	20.65	20.77	20.64				
5	84QAM	1	24	20.62	20.54	20.61	22	0		
5	84QAM	12	0	20.53	20.67	20.60				
5	84QAM	12	7	20.48	20.58	20.49				
5	84QAM	12	13	20.50	20.53	20.39				
5	84QAM	25	0	20.70	20.77	20.70	22	0		
5	84QAM	15	0	17.82	18.02	17.83				
5	256QAM	1	12	17.82	17.68	17.82				
5	256QAM	1	24	17.70	17.76	17.71				
5	256QAM	12	0	17.65	17.63	17.49	19	3		
5	256QAM	12	7	17.54	17.50	17.47				
5	256QAM	12	13	17.39	17.51	17.44				
5	256QAM	25	0	17.64	17.78	17.75				
Channel				13.9175	13.9222	13.9255	Turn-up time (sec)	MPE (dB)		
Frequency (MHz)										
3	QPSK	1	0	20.91	21.06	20.82	22	0		
3	QPSK	1	8	20.85	20.96	20.74				
3	QPSK	1	14	20.75	20.86	20.66				
3	QPSK	8	0	20.73	20.93	20.82				
3	QPSK	8	4	20.74	20.80	20.69	22	0		
3	QPSK	8	7	20.69	20.82	20.85				
3	QPSK	16	0	20.79	20.84	20.73				
3	16QAM	1	0	20.87	20.82	20.69				
3	16QAM	1	8	20.83	20.77	20.73	22	0		
3	16QAM	1	14	20.79	20.88	20.67				
3	16QAM	8	0	20.68	20.83	20.73				
3	16QAM	8	4	20.55	20.53	20.58				
3	16QAM	8	7	20.59	20.61	20.56	22	0		
3	16QAM	16	0	20.68	20.81	20.66				
3	16QAM	16	8	20.49	20.53	20.43				
3	16QAM	16	14	20.51	20.54	20.41				
3	16QAM	16	0	20.71	20.71	20.70	22	0		
3	16QAM	16	8	20.48	20.48	20.59				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	0	20.55	20.81	20.66	22	0		
3	16QAM	16	8	20.49	20.53	20.43				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	0	20.71	20.71	20.70	22	0		
3	16QAM	16	8	20.48	20.48	20.59				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	0	20.55	20.81	20.66	22	0		
3	16QAM	16	8	20.49	20.53	20.43				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	0	20.71	20.71	20.70	22	0		
3	16QAM	16	8	20.48	20.48	20.59				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	0	20.55	20.81	20.66	22	0		
3	16QAM	16	8	20.49	20.53	20.43				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	0	20.71	20.71	20.70	22	0		
3	16QAM	16	8	20.48	20.48	20.59				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	0	20.55	20.81	20.66	22	0		
3	16QAM	16	8	20.49	20.53	20.43				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	0	20.71	20.71	20.70	22	0		
3	16QAM	16	8	20.48	20.48	20.59				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	0	20.55	20.81	20.66	22	0		
3	16QAM	16	8	20.49	20.53	20.43				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	0	20.71	20.71	20.70	22	0		
3	16QAM	16	8	20.48	20.48	20.59				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	0	20.55	20.81	20.66	22	0		
3	16QAM	16	8	20.49	20.53	20.43				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	0	20.71	20.71	20.70	22	0		
3	16QAM	16	8	20.48	20.48	20.59				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	0	20.55	20.81	20.66	22	0		
3	16QAM	16	8	20.49	20.53	20.43				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	0	20.71	20.71	20.70	22	0		
3	16QAM	16	8	20.48	20.48	20.59				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	0	20.55	20.81	20.66	22	0		
3	16QAM	16	8	20.49	20.53	20.43				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	14	20.48	20.52	20.49				
3	16QAM	16	0	2						



Band 38 DSI3_Simultaneous Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [FHz]	Power Main Ch [FHz]	Power High Ch [FHz]	Tune-up limit (dBm)	MPE (dB)				
Channel												
Frequency (MHz)				37860	38000	38160						
20	QPSK	1	0	20.15	20.05	20.06	21.2	0				
20	QPSK	1	48	20.17	20.10	19.98						
20	QPSK	1	96	19.99	20.14	20.07						
20	QPSK	50	0	19.94	20.07	19.99						
20	QPSK	50	24	19.95	20.05	20.00	21.2	0				
20	QPSK	50	48	20.01	20.07	19.92						
20	QPSK	100	0	20.01	20.04	19.91						
20	16QAM	1	0	19.97	19.99	20.02						
20	16QAM	1	48	19.97	19.99	20.00	21.2	0				
20	16QAM	1	96	19.87	19.94	19.85						
20	16QAM	50	0	19.93	20.18	19.92						
20	16QAM	50	24	19.91	19.99	20.10						
20	16QAM	100	0	19.97	20.14	20.06	21.2	0				
20	64QAM	1	48	20.06	20.10	19.91						
20	64QAM	1	96	19.92	20.00	19.92						
20	64QAM	50	0	19.93	20.08	19.95						
20	64QAM	50	24	19.75	20.11	19.90	21.2	0				
20	64QAM	50	50	19.97	20.07	19.94						
20	64QAM	100	0	19.96	20.09	19.92						
20	256QAM	1	0	18.83	19.00	18.85						
20	256QAM	1	48	18.78	19.00	18.78	20.5	0.7				
20	256QAM	1	96	18.76	18.77	18.78						
20	256QAM	1	144	18.95	18.76	18.97						
20	256QAM	50	0	19.87	19.06	18.96						
20	256QAM	50	24	18.89	18.85	18.94	20.5	0.7				
20	256QAM	50	50	19.89	18.85	18.94						
20	256QAM	100	0	19.89	18.85	18.96						
Channel												
Frequency (MHz)				37860	38000	38175						
15	QPSK	1	0	20.00	20.14	19.95				21.2	0	
15	QPSK	1	37	19.95	20.08	19.90						
15	QPSK	1	74	19.85	20.00	19.94						
15	QPSK	36	0	19.91	20.06	19.98						
15	QPSK	36	20	19.82	19.82	19.83	21.2	0				
15	QPSK	36	36	19.95	19.85	19.90						
15	QPSK	75	0	19.93	19.96	19.98						
15	16QAM	1	0	19.92	19.96	19.98						
15	16QAM	1	37	19.94	19.96	19.96	21.2	0				
15	16QAM	1	74	19.90	19.96	19.79						
15	16QAM	36	0	19.91	19.96	19.88						
15	16QAM	36	20	19.86	19.94	20.07						
15	16QAM	36	36	19.94	19.84	19.91	21.2	0				
15	16QAM	75	0	19.77	19.85	19.86						
15	64QAM	1	0	19.72	19.88	19.90						
15	64QAM	1	37	19.85	19.92	19.79						
15	16QAM	1	74	19.80	19.93	19.75	21.2	0				
15	64QAM	36	0	19.80	19.91	19.78						
15	64QAM	36	20	19.79	19.93	19.74						
15	64QAM	36	36	19.86	19.86	19.86						
15	64QAM	75	0	19.86	19.91	19.72	20.5	0.7				
15	256QAM	1	0	18.77	18.90	18.81						
15	256QAM	1	37	18.76	18.91	18.72						
15	256QAM	1	74	18.87	18.74	18.78						
15	256QAM	36	0	18.86	19.11	18.92						
15	256QAM	36	20	18.93	18.94	18.96	20.5	0.7				
15	256QAM	36	36	18.85	18.88	18.84						
15	256QAM	75	0	18.89	19.10	18.84						
Channel												
Frequency (MHz)				37860	38000	38100						
10	QPSK	1	0	20.00	20.16	20.07				21.2	0	
10	QPSK	1	25	19.93	20.00	19.91						
10	QPSK	1	48	19.95	20.04	20.09						
10	QPSK	25	0	19.95	20.07	19.97						
10	QPSK	25	12	19.79	19.79	19.80	21.2	0				
10	QPSK	25	25	19.92	19.98	19.89						
10	QPSK	25	37	19.91	19.95	19.97						
10	16QAM	1	0	20.00	19.97	19.85						
10	16QAM	1	25	19.81	19.89	19.86	21.2	0				
10	16QAM	1	48	19.86	19.92	19.80						
10	16QAM	25	0	19.82	20.02	19.93						
10	16QAM	25	12	19.87	19.88	20.03						
10	16QAM	25	25	19.86	19.89	19.92	21.2	0				
10	16QAM	25	37	19.78	19.93	19.83						
10	64QAM	1	0	19.78	19.93	19.83						
10	64QAM	1	25	19.85	19.89	19.88						
10	64QAM	1	48	19.84	19.96	19.77	21.2	0				
10	64QAM	25	0	19.86	19.90	19.87						
10	64QAM	25	12	19.71	19.90	19.79						
10	64QAM	25	25	19.86	19.89	19.70						
10	64QAM	50	0	19.84	19.88	19.89	20.5	0.7				
10	256QAM	1	0	18.76	18.92	18.70						
10	256QAM	1	25	18.94	18.91	18.72						
10	256QAM	1	48	18.82	18.73	18.68						
10	256QAM	25	0	18.83	19.11	18.88						
10	256QAM	25	12	18.96	18.93	18.94	20.5	0.7				
10	256QAM	25	25	18.95	18.95	18.95						
10	256QAM	25	37	18.77	18.94	18.87						
10	256QAM	50	0	18.91	19.04	18.88						
Channel												
Frequency (MHz)				37775	38000	38225						
5	QPSK	1	0	20.06	20.09	19.95				21.2	0	
5	QPSK	1	12	20.03	20.00	19.95						
5	QPSK	1	24	19.85	20.04	20.04						
5	QPSK	12	0	19.89	20.01	19.93						
5	QPSK	12	7	19.84	19.89	19.81	21.2	0				
5	QPSK	12	19	19.95	20.03	19.86						
5	QPSK	25	0	19.88	20.05	19.94						
5	16QAM	1	0	19.91	20.03	19.91						
5	16QAM	1	12	19.77	19.88	19.91	21.2	0				
5	16QAM	1	24	19.95	19.95	19.84						
5	16QAM	12	0	19.89	19.93	19.87						
5	16QAM	12	7	19.84	19.96	19.96						
5	16QAM	12	13	19.97	19.88	19.88	21.2	0				
5	16QAM	25	0	19.78	19.99	19.89						
5	64QAM	1	0	19.71	19.95	19.88						
5	64QAM	1	12	19.86	19.86	19.87						
5	64QAM	1	24	19.80	19.90	19.78	21.2	0				
5	64QAM	12	0	19.88	19.90	19.79						
5	64QAM	12	13	19.81	19.92	19.73						
5	64QAM	25	0	19.82	19.90	19.71						
5	64QAM	25	13	19.82	19.90	19.71	21.2	0				
5	64QAM	25	24	19.83	19.91	19.68						
5	256QAM	1	0	18.73	18.87	18.70						
5	256QAM	1	12	18.72	18.87	18.65						
5	256QAM	1	24	18.64	18.73	18.70	20.5	0.7				
5	256QAM	12	0	18.67	18.69	18.90						
5	256QAM	12	7	18.82	19.01	18.84						
5	256QAM	12	13	18.85	18.88	18.90						
5	256QAM	25	0	18.95	19.08	18.91	20.5	0.7				
5	256QAM	25	0	18.95	19.08	18.91						

Band 41 FCC&IC DSI3



Band 41 HPUE FCC&IC DS1.3_Simultaneous Ant 1												
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq	Power Low Mod Ch / Freq	Power High Mod Ch / Freq	Power High Mod Ch / Freq	Power High Mod Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.26	22.25	22.33	22.31	22.26	22.8	0		
20	QPSK	1	48	22.07	22.18	22.19	22.20	22.01				
20	QPSK	50	0	22.02	22.04	22.16	22.12	22.09				
20	QPSK	50	24	22.04	22.03	22.13	22.14	21.88				
20	QPSK	50	48	21.98	22.09	22.23	22.09	21.97	22.8	0		
20	QPSK	100	0	21.88	21.93	22.06	22.01	21.88				
20	16QAM	1	0	21.90	21.96	22.04	21.97	21.87				
20	16QAM	50	24	21.96	22.15	22.11	22.14	21.84				
20	16QAM	1	96	22.04	22.00	22.10	21.99	22.04	22.8	0		
20	16QAM	50	0	22.01	22.12	22.16	22.20	21.95				
20	16QAM	50	50	21.99	22.16	22.14	22.07	21.96				
20	16QAM	100	0	22.07	22.12	22.25	22.17	22.04				
20	64QAM	1	0	21.91	21.91	22.09	22.05	22.02	22.8	0		
20	64QAM	1	48	21.87	22.08	22.12	22.07	22.01				
20	64QAM	50	0	22.06	22.08	22.22	22.19	21.96				
20	64QAM	50	24	22.06	22.16	22.24	22.21	21.99				
20	64QAM	50	50	21.90	21.96	22.07	22.03	22.04	22.8	0		
20	64QAM	100	0	22.03	22.10	22.18	22.02	22.02				
20	256QAM	1	0	21.81	21.49	21.88	21.44	21.58				
20	256QAM	1	48	21.43	21.41	21.61	21.42	21.52				
20	256QAM	1	96	21.30	21.38	21.55	21.41	21.51	22.3	0.5		
20	256QAM	50	0	21.27	21.38	21.54	21.34	21.45				
20	256QAM	50	24	21.27	21.23	21.46	21.24	21.35				
20	256QAM	50	50	21.23	21.28	21.41	21.28	21.35				
20	256QAM	100	0	21.10	21.13	21.34	21.13	21.24				
20	256QAM	100	24	21.12	21.11	21.32	21.11	21.23				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.15	22.19	22.27	22.17	22.15	23	0		
15	QPSK	1	37	21.99	22.03	22.14	22.15	21.98				
15	QPSK	1	74	21.93	21.99	22.01	22.05	21.97				
15	QPSK	36	0	21.94	22.03	22.16	22.05	21.88				
15	QPSK	36	20	21.99	21.90	22.05	22.08	21.75	22.8	0		
15	QPSK	36	36	21.98	21.82	22.07	22.07	21.81				
15	QPSK	75	0	21.78	21.88	21.96	21.87	21.80				
15	16QAM	1	0	21.81	21.86	21.90	21.86	21.83				
15	16QAM	1	37	21.80	21.11	22.06	22.00	21.71	22.8	0		
15	16QAM	1	74	21.93	21.95	22.02	21.93	21.97				
15	16QAM	36	0	21.88	22.04	22.07	22.12	21.87				
15	16QAM	36	20	21.86	22.02	22.07	22.03	21.86				
15	16QAM	36	36	21.91	22.05	22.06	21.93	21.88	22.8	0		
15	16QAM	75	0	22.01	22.05	22.17	22.02	21.97				
15	64QAM	1	0	21.76	21.87	22.03	22.00	21.91				
15	64QAM	1	37	21.84	22.00	22.02	22.04	21.98				
15	64QAM	1	74	21.99	21.98	22.07	22.01	21.96	22.8	0		
15	64QAM	36	0	21.84	21.93	22.16	22.10	21.91				
15	64QAM	36	20	21.91	22.11	22.19	22.12	21.94				
15	64QAM	36	36	21.88	22.08	22.08	21.88	21.82				
15	64QAM	75	0	21.94	21.96	22.11	21.92	21.91	22.3	0.5		
15	256QAM	1	0	21.44	21.44	21.54	21.33	21.45				
15	256QAM	1	37	21.50	21.59	21.61	21.46	21.58				
15	256QAM	1	74	21.26	21.29	21.52	21.31	21.41				
15	256QAM	36	0	21.28	21.27	21.39	21.26	21.30	22.3	0.5		
15	256QAM	36	20	21.12	21.14	21.34	21.13	21.27				
15	256QAM	36	36	21.14	21.22	21.37	21.12	21.30				
15	256QAM	75	0	21.08	21.16	21.21	21.00	21.10				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.10	22.14	22.29	22.29	22.23	23	0		
10	QPSK	1	25	21.99	22.05	22.05	22.06	21.93				
10	QPSK	1	48	21.95	21.80	22.07	22.07	21.98				
10	QPSK	1	74	21.91	21.80	22.10	22.00	21.90				
10	QPSK	25	12	21.93	21.99	22.04	22.02	21.85	22.8	0		
10	QPSK	25	25	21.89	22.04	22.01	21.83	21.77				
10	16QAM	1	0	21.77	21.80	21.94	21.85	21.78				
10	16QAM	1	0	21.85	21.90	21.94	21.88	21.82				
10	16QAM	1	25	21.92	22.08	22.00	22.05	21.80	22.8	0		
10	16QAM	1	48	21.87	21.84	22.03	21.82	21.80				
10	16QAM	25	0	21.86	22.04	22.04	22.13	21.82				
10	16QAM	25	12	21.85	21.89	22.04	22.04	21.85				
10	16QAM	25	12	21.93	22.02	22.09	21.82	21.84	22.8	0		
10	16QAM	50	0	21.98	22.08	22.17	22.08	21.90				
10	64QAM	1	0	21.84	21.82	22.00	22.00	21.78				
10	64QAM	1	25	21.85	22.01	22.00	21.98	21.95				
10	64QAM	1	48	21.90	21.96	22.08	22.07	21.90	22.8	0		
10	64QAM	25	0	21.98	21.88	22.08	22.10	21.84				
10	64QAM	25	12	21.98	22.05	22.12	22.17	21.91				
10	64QAM	25	25	21.83	21.86	22.03	21.82	21.90				
10	64QAM	50	0	21.91	22.02	22.04	21.98	21.95	22.3	0.5		
10	256QAM	1	0	21.45	21.46	21.56	21.35	21.48				
10	256QAM	1	25	21.29	21.34	21.51	21.37	21.46				
10	256QAM	1	48	21.26	21.25	21.47	21.33	21.42				
10	256QAM	25	0	21.33	21.29	21.44	21.25	21.41	22.3	0.5		
10	256QAM	25	12	21.29	21.11	21.35	21.16	21.30				
10	256QAM	25	25	21.11	21.14	21.27	21.11	21.25				
10	256QAM	50	0	21.04	21.04	21.24	21.09	21.18				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.06	22.13	22.19	22.06	22.14	23	0		
5	QPSK	1	12	21.90	22.00	22.07	22.07	21.87				
5	QPSK	1	24	21.88	21.84	22.03	22.02	21.95				
5	QPSK	12	0	21.85	21.97	22.08	22.00	21.83				
5	QPSK	12	7	21.95	21.95	22.00	22.05	21.83	22.8	0		
5	QPSK	12	18	21.87	22.02	21.98	22.01	21.77				
5	QPSK	25	0	21.81	21.89	21.97	21.82	21.76				
5	16QAM	1	0	21.87	21.86	21.93	21.89	21.77				
5	16QAM	1	12	21.98	22.02	22.01	21.89	21.75	22.8	0		
5	16QAM	1	24	21.94	21.88	21.96	21.81	21.92				
5	16QAM	12	0	21.89	22.08	22.09	22.07	21.84				
5	16QAM	12	7	21.84	21.83	22.02	21.88	21.95				
5	16QAM	12	13	21.88	22.03	22.05	21.87	21.90	22.8	0		
5	16QAM	25	0	21.95	22.05	22.12	22.01	21.87				
5	64QAM	1	0	21.82	21.81	22.03	21.86	21.88				
5	64QAM	1	12	21.93	21.95	22.00	22.02	21.96				
5	64QAM	1	24	21.94	21.97	22.06	22.05	21.93	22.8	0		
5	64QAM	12	0	22.02	22.02	22.16	22.11	21.83				
5	64QAM	12	7	22.05	22.06	22.17	22.17	21.91				
5	64QAM	12	13	21.88	21.87	22.03	21.94	21.92				
5	64QAM	25	0	21.97	22.02	22.15	21.81	21.98	22.3	0.5		
5	256QAM	1	0	21.38	21.34	21.57	21.39	21.48				
5	256QAM	1	12	21.33	21.36	21.50	21.28	21.49				
5	256QAM	1	24	21.23	21.29	21.49	21.27	21.39				
5	256QAM	12	0	21.16	21.18	21.33	21.11	21.23	22.3	0.5		
5	256QAM	12	7	21.14	21.13	21.33	21.12	21.31				

OSM1900-AW2				Default			
OSM1900-AW2	Base-Average Power (dBm)			Limit	Frame-Average Power (dBm)		
TX Channel	812	861	810	Limit	812	861	810
Frequency (MHz)	1812.3	1812.3	1812.3	(dBm)	1812.3	1812.3	1812.3
OSM 1 Tx-WiFi	28.25	28.33	28.19	29.00	19.25	19.33	19.19
OSM 1 Tx-WiFi	28.23	28.25	28.13	29.00	19.23	19.25	19.13
OSM 2 Tx-WiFi	25.46	25.53	25.40	26.00	19.46	19.53	19.40
OSM 3 Tx-WiFi	23.98	24.13	24.00	25.00	19.72	19.87	19.74
OSM 4 Tx-WiFi	21.95	22.00	21.90	23.00	19.95	19.99	19.90
EDGE 1 Tx-WiFi	23.59	23.64	23.61	24.00	18.59	18.64	18.61
EDGE 2 Tx-WiFi	21.89	22.02	21.93	23.00	18.89	18.93	18.90
EDGE 3 Tx-WiFi	20.78	20.85	20.70	21.00	18.52	18.59	18.44
EDGE 4 Tx-WiFi	18.71	18.74	18.68	19.00	18.71	18.74	18.68
OSM1 Transceiver WCDMA-AW2				Default WCDMA-AW2			
Base	WCDMA-B			Limit	WCDMA-B		
TX Channel	8602	8603	8603	Limit	8602	8603	8603
Rx Channel	8602	8600	8603	(dBm)	8602	8600	8603
Frequency (MHz)	1812.3	1812.3	1812.3	21.70	1812.3	1812.3	1812.3
SOPP-Pwr (dB)	20.58	20.57	20.52	21.70	21.42	21.44	21.37
SOPP-Pwr (dB)	20.83	20.70	20.58	21.70	21.47	21.53	21.44
SOPP-Pwr (dB)	19.85	19.90	19.81	20.70	20.57	20.66	20.52
SOPP-Pwr (dB)	19.81	19.89	19.75	20.70	20.47	20.61	20.43
SOPP-Pwr (dB)	19.50	19.57	19.50	20.20	19.57	20.04	19.50
SOPP-Pwr (dB)	19.28	19.38	19.28	20.20	19.38	20.06	20.05
SOPP-Pwr (dB)	19.74	19.86	19.73	20.70	20.46	20.56	20.39
SOPP-Pwr (dB)	19.58	19.58	19.58	20.70	20.29	20.37	20.31
SOPP-Pwr (dB)	19.10	19.23	19.09	20.20	19.80	19.87	19.83
SOPP-Pwr (dB)	19.12	19.14	19.14	20.20	19.70	19.80	19.84
SOPP-Pwr (dB)	19.80	19.94	19.98	20.70	20.49	20.65	20.60
SOPP-Pwr (dB)	17.82	17.82	17.82	19.70	18.46	18.49	18.39
SOPP-Pwr (dB)	18.05	18.09	18.02	19.70	18.49	19.51	18.45
SOPP-Pwr (dB)	17.61	17.75	17.64	18.70	18.38	18.44	18.33
SOPP-Pwr (dB)	19.77	19.70	19.79	20.70	20.46	20.53	20.40



Band 2 DSI3_Simultaneous Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Ch.	Power Hsp./Ch./F.Ch.	Power Hsp./Ch./F.Ch.	Turn-up time (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	19.84	19.74	19.59	21.1	0	
20	QPSK	1	49	19.85	19.83	19.48			
20	QPSK	1	99	19.86	19.88	19.83			
20	QPSK	50	0	19.49	19.62	19.57			
20	QPSK	50	24	19.41	19.57	19.44			
20	QPSK	50	50	19.43	19.49	19.54			
20	QPSK	100	0	19.54	19.61	19.49			
20	QPSK	100	24	19.57	19.49	19.58			
20	QPSK	1	49	19.42	19.45	19.40	21.1	0	
20	16QAM	1	99	19.47	19.52	19.44			
20	16QAM	50	50	19.53	19.59	19.52			
20	16QAM	50	24	19.40	19.43	19.44			
20	16QAM	50	50	19.38	19.52	19.47			
20	16QAM	100	0	19.37	19.49	19.45			
20	16QAM	1	0	19.32	19.39	19.47			
20	16QAM	1	49	19.40	19.40	19.35			
20	16QAM	1	99	19.42	19.49	19.46			
20	16QAM	50	0	19.48	19.55	19.39			
20	16QAM	50	24	19.47	19.54	19.36			
20	16QAM	50	50	19.48	19.50	19.45			
20	16QAM	100	0	19.49	19.51	19.44			
20	16QAM	1	99	19.55	19.50	19.39			
20	256QAM	1	49	19.02	18.98	18.92			
20	256QAM	1	99	19.01	19.01	18.98			
20	256QAM	50	24	17.86	17.89	17.86			
20	256QAM	50	50	17.87	17.86	17.88			
20	256QAM	100	0	17.72	17.80	17.85			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.31	19.46	19.48	21.1	0	
15	QPSK	1	49	19.44	19.48	19.43			
15	QPSK	1	74	19.50	19.44	19.48			
15	QPSK	36	0	19.41	19.61	19.52			
15	QPSK	36	24	19.31	19.47	19.35			
15	QPSK	36	39	19.29	19.38	19.27			
15	QPSK	75	0	19.44	19.54	19.49			
15	16QAM	1	0	19.51	19.41	19.25			
15	16QAM	1	37	19.31	19.38	19.27			
15	16QAM	1	74	19.47	19.47	19.47			
15	16QAM	36	24	19.47	19.47	19.43			
15	16QAM	36	20	19.32	19.58	19.31			
15	16QAM	75	0	19.26	19.34	19.29			
15	16QAM	75	0	19.28	19.52	19.35			
15	16QAM	75	0	19.28	19.52	19.35			
15	16QAM	1	74	19.31	19.32	19.35			
15	16QAM	36	0	19.35	19.43	19.32			
15	16QAM	36	24	19.43	19.47	19.42			
15	16QAM	36	39	19.40	19.42	19.21			
15	16QAM	75	0	19.38	19.45	19.36			
15	256QAM	1	37	19.02	19.19	17.88			
15	256QAM	1	74	17.86	17.89	17.87			
15	256QAM	36	24	17.83	17.87	17.86			
15	256QAM	36	39	17.83	17.82	17.82			
15	256QAM	75	0	17.77	17.82	17.86			
Channel									
Frequency (MHz)									
10	QPSK	1	0	19.08	19.08	19.08	21.2	0	
10	QPSK	1	49	19.37	19.40	19.42			
10	QPSK	1	99	19.37	19.40	19.32			
10	QPSK	50	0	19.43	19.54	19.35			
10	QPSK	50	24	19.43	19.48	19.35			
10	QPSK	50	50	19.36	19.34	19.48			
10	QPSK	100	0	19.43	19.53	19.49			
10	QPSK	100	24	19.56	19.58	19.49			
10	16QAM	1	49	19.41	19.63	19.47			
10	16QAM	1	99	19.26	19.49	19.36			
10	16QAM	50	0	19.51	19.72	19.69			
10	16QAM	50	24	19.39	19.53	19.51			
10	16QAM	50	50	19.44	19.42	19.46			
10	16QAM	100	0	19.37	19.69	19.62			
10	16QAM	1	0	19.60	19.61	19.57			
10	16QAM	1	49	19.36	19.44	19.40			
10	16QAM	1	99	19.30	19.46	19.43			
10	16QAM	50	0	19.34	19.49	19.34			
10	16QAM	50	24	19.22	19.37	19.31			
10	16QAM	50	50	19.18	19.28	19.21			
10	16QAM	100	0	19.20	19.41	19.27			
10	256QAM	1	99	18.03	18.26	18.15			
10	256QAM	1	99	18.05	18.06	18.00			
10	256QAM	50	24	17.87	17.89	17.82			
10	256QAM	50	50	17.86	17.89	17.88			
10	256QAM	100	0	17.82	17.86	17.79			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.38	19.38	19.40	21.2	0	
15	QPSK	1	49	19.44	19.48	19.43			
15	QPSK	1	74	19.21	19.48	19.22			
15	QPSK	36	0	19.46	19.48	19.43			
15	QPSK	36	24	19.37	19.38	19.44			
15	QPSK	36	39	19.29	19.29	19.27			
15	QPSK	75	0	19.40	19.44	19.39			
15	16QAM	1	0	19.24	19.56	19.43			
15	16QAM	1	37	19.40	19.43	19.33			
15	16QAM	1	74	19.47	19.47	19.47			
15	16QAM	36	24	19.37	19.58	19.51			
15	16QAM	36	20	19.24	19.38	19.42			
15	16QAM	75	0	19.24	19.39	19.32			
15	16QAM	75	0	19.24	19.39	19.32			
15	16QAM	1	0	19.42	19.59	19.24			
15	16QAM	1	37	19.34	19.44	19.32			
15	16QAM	1	74	19.21	19.43	19.43			
15	16QAM	36	0	19.19	19.47	19.12			
15	16QAM	36	24	19.36	19.36	19.32			
15	16QAM	36	39	19.11	19.05	19.09			
15	16QAM	75	0	19.24	19.14	19.22			
15	256QAM	1	37	17.94	18.16	18.07			
15	256QAM	1	74	17.90	17.86	17.85			
15	256QAM	36	24	17.83	17.83	17.83			
15	256QAM	36	39	17.83	17.82	17.84			
15	256QAM	75	0	17.80	17.83	17.86			
Channel									
Frequency (MHz)									
10	QPSK	1	0	19.08	19.08	19.08	21.2	0	
10	QPSK	1	25	19.32	19.37	19.28			
10	QPSK	1	49	19.37	19.44	19.28			
10	QPSK	1	99	19.37	19.44	19.32			
10	QPSK	50	0	19.43	19.43	19.44			
10	QPSK	50	24	19.37	19.28	19.29			
10	QPSK	50	50	19.25	19.28	19.25			
10	QPSK	100	0	19.41	19.57	19.50			
10	16QAM	1	0	19.41	19.57	19.50			
10	16QAM	1	25	19.44	19.60	19.28			
10	16QAM	1	49	19.37	19.37	19.37			
10	16QAM	50	0	19.50	19.58	19.60			
10	16QAM	50	24	19.35	19.46	19.29			
10	16QAM	50	50	19.22	19.32	19.33			
10	16QAM	100	0	19.32	19.35	19.48			
10	16QAM	1	0	19.40	19.56	19.47			
10	16QAM	1	25	19.28	19.35	19.36			
10	16QAM	1	49	19.25	19.41	19.27			
10	16QAM	25	0	19.30	19.25	19.24			
10	16QAM	25	24	19.25	19.40	19.25			
10	16QAM	25	50	19.21	19.30	19.18			
10	16QAM	50	0	19.17	19.18	19.14			
10	256QAM	1	25	17.83	18.16	18.05			
10	256QAM	1	25	17.89	18.18	18.04			
10	256QAM	1	49	17.94	17.81	18.00			
10	256QAM	1	74	17.83	17.82	17.81			
10	256QAM	25	12	17.87	17.84	17.89			
10	256QAM	25	25	17.76	17.80	17.82			
10	256QAM	50	0	17.72	17.81	17.82			
Channel									
Frequency (MHz)									
14	QPSK	1	0	19.67	19.65	19.48	21.1	0	
14	QPSK	1	49	19.69	19.69	19.69			
14	QPSK	1	99	19.70	19.70	19.70			
14	QPSK	5	0	19.43	19.47	19.45			
14	QPSK	5	0	19.45	19.52	19.48			
14	QPSK	5	0	19.47	19.57	19.53			
14	QPSK	5	0	19.35	19.33	19.42			
14	QPSK	5	0	19.48	19.56	19.61	21.1	0	
14	16QAM	1	0	19.68	19.68	19.68			
14	16QAM	1	3	19.30	19.31	19.25			
14	16QAM	1	6	19.43	19.45	19.36			
14	16QAM	1	9	19.37	19.39	19.42			
14	16QAM	1	12	19.38	19.40	19.35			
14	16QAM	1	15	19.37	19.40	19.35			
14	16QAM	1	18	19.36	19.38	19.32			
14	16QAM	1	21	19.32	19.39	19.42			
14	16QAM	1	24	19.33	19.40	19.35			
14	16QAM	1	27	19.33	19.40	19.35			
14	16QAM	1	30	19.36	19.45	19.27			
14	16QAM	1	33	19.32	19.45	19.49			
14	16QAM	1	36	19.37	19.45	19.35			
14	16QAM	1	39	19.36	19.38	19.30			
14	16QAM	1	42	19.36	19.38	19.30			
14	16QAM	1	45	19.36	19.38	19.30			
14	16QAM	1	48	19.36	19.38	19.30			
14	16QAM	1	51	19.36	19.38	19.30			
14	16QAM	1	54	19.36	19.38	19.30			
14	16QAM								

Band 12 Default Ant 2														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.51	22.59	22.50	24	0						
10	QPSK	1	25	22.40	22.42	22.31								
10	QPSK	1	49	22.26	22.48	22.18								
10	QPSK	25	0	22.40	22.62	22.40								
10	QPSK	25	12	22.30	22.45	22.27								
10	QPSK	25	25	22.29	22.52	22.24	24	0						
10	QPSK	50	0	22.34	22.41	22.37								
10	16QAM	1	0	22.41	22.51	22.53								
10	16QAM	1	25	22.39	22.52	22.38								
10	16QAM	1	49	22.18	22.40	22.39								
10	16QAM	25	0	22.51	22.52	22.54	24	0						
10	16QAM	25	12	22.29	22.41	22.35								
10	16QAM	25	25	22.27	22.36	22.30								
10	16QAM	50	0	22.40	22.51	22.38								
10	64QAM	1	0	22.40	22.44	22.34								
10	64QAM	1	25	22.39	22.41	22.32	24	0						
10	64QAM	1	49	22.14	22.41	22.29								
10	64QAM	25	0	21.24	21.36	21.17								
10	64QAM	25	12	21.13	21.21	21.08								
10	64QAM	25	25	21.03	21.16	21.04								
10	64QAM	50	0	21.25	21.30	21.19	22.5	1.5						
10	256QAM	1	25	19.35	19.59	19.51								
10	256QAM	1	49	19.34	19.38	19.43								
10	256QAM	25	0	19.34	19.44	19.44								
10	256QAM	25	12	19.34	19.29	19.32								
10	256QAM	25	25	19.12	19.28	19.19	21	3						
10	256QAM	50	0	19.22	19.26	19.26								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.43	22.48	22.39	24	0						
5	QPSK	1	12	22.31	22.36	22.30								
5	QPSK	1	24	22.14	22.40	22.04								
5	QPSK	12	0	22.29	22.50	22.37								
5	QPSK	12	7	22.25	22.31	22.15								
5	QPSK	12	13	22.24	22.28	22.17	24	0						
5	QPSK	25	0	22.22	22.27	22.12								
5	16QAM	1	0	22.35	22.46	22.38								
5	16QAM	1	12	22.25	22.45	22.27								
5	16QAM	1	24	22.08	22.39	22.19								
5	16QAM	12	0	22.47	22.43	22.51	24	0						
5	16QAM	12	7	22.18	22.28	22.25								
5	16QAM	25	0	22.37	22.43	22.23								
5	64QAM	1	0	22.25	22.30	22.28								
5	64QAM	1	12	22.05	22.32	22.21								
5	64QAM	12	0	21.17	21.31	21.05	22.5	1.5						
5	64QAM	12	7	21.02	21.02	20.89								
5	64QAM	12	13	21.02	21.02	20.89								
5	64QAM	25	0	21.13	21.16	21.16								
5	256QAM	1	12	19.20	19.46	19.48								
5	256QAM	1	12	19.20	19.46	19.48	21	3						
5	256QAM	1	24	19.25	19.28	19.33								
5	256QAM	12	0	19.25	19.25	19.24								
5	256QAM	12	7	19.20	19.15	19.26								
5	256QAM	12	13	19.02	19.20	19.12								
5	256QAM	25	0	19.22	19.22	19.08	21	3						
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.43	22.48	22.39	24	0						
3	QPSK	1	8	22.31	22.37	22.28								
3	QPSK	1	16	22.11	22.43	22.06								
3	QPSK	8	0	22.32	22.48	22.28								
3	QPSK	8	4	22.19	22.34	22.21								
3	QPSK	8	7	22.21	22.18	22.11	24	0						
3	16QAM	1	0	22.21	22.27	22.27								
3	16QAM	1	0	22.26	22.39	22.48								
3	16QAM	1	8	22.31	22.38	22.32								
3	16QAM	1	16	22.05	22.28	22.30								
3	16QAM	8	4	22.18	22.33	22.29	24	0						
3	16QAM	8	7	22.13	22.29	22.18								
3	16QAM	15	0	22.36	22.39	22.25								
3	64QAM	1	0	22.27	22.31	22.21								
3	64QAM	1	8	22.34	22.35	22.28								
3	64QAM	1	14	22.06	22.28	22.20	24	0						
3	64QAM	8	0	21.12	21.27	21.02								
3	64QAM	8	4	21.04	21.12	20.95								
3	64QAM	8	7	20.98	21.00	20.90								
3	64QAM	15	0	21.19	21.24	21.15								
3	256QAM	1	0	19.23	19.45	19.41	21	3						
3	256QAM	1	8	19.27	19.51	19.37								
3	256QAM	1	14	19.24	19.31	19.35								
3	256QAM	8	0	19.10	19.31	19.36								
3	256QAM	8	4	19.24	19.15	19.17								
3	256QAM	15	0	19.20	19.25	19.08								
3	256QAM	15	0	19.20	19.26	19.12								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.41	22.54	22.18	24	0						
1.4	QPSK	1	3	22.35	22.39	22.27								
1.4	QPSK	1	5	22.20	22.42	22.04								
1.4	QPSK	3	0	22.34	22.50	22.28								
1.4	QPSK	3	1	22.20	22.59	22.23								
1.4	QPSK	3	3	22.17	22.20	22.20	24	0						
1.4	QPSK	6	0	22.23	22.34	22.32								
1.4	16QAM	1	0	22.32	22.40	22.40								
1.4	16QAM	1	3	22.28	22.47	22.25								
1.4	16QAM	1	6	22.04	22.37	22.33								
1.4	16QAM	3	0	22.47	22.47	22.46	24	0						
1.4	16QAM	3	1	22.25	22.31	22.25								
1.4	16QAM	3	3	22.17	22.32	22.25								
1.4	16QAM	6	0	22.26	22.43	22.35								
1.4	64QAM	1	0	22.35	22.37	22.29								
1.4	64QAM	1	3	22.25	22.29	22.26	24	0						
1.4	64QAM	1	5	22.01	22.33	22.19								
1.4	64QAM	3	0	22.38	22.36	22.40								
1.4	64QAM	3	2	22.16	22.32	22.22								
1.4	64QAM	3	3	22.15	22.29	22.21								
1.4	64QAM	6	0	21.19	21.49	21.11	22.5	1.5						
1.4	256QAM	1	0	19.26	19.57	19.36								
1.4	256QAM	1	3	19.22	19.55	19.47								
1.4	256QAM	3	0	19.26	19.22	19.30								
1.4	256QAM	3	1	19.10	19.34	19.30								
1.4	256QAM	3	1	19.21	19.18	19.19	21	3						
1.4	256QAM	6	0	19.08	19.20	19.14								
1.4	256QAM	6	0	19.17	19.25	19.09								

Band 13 Default Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.53	22.53	22.53	24	0		
10	QPSK	1	20	22.40	22.40	22.40				
10	QPSK	25	0	22.45	22.45	22.45				
10	QPSK	25	12	22.38	22.38	22.38	24	0		
10	16QAM	1	0	22.48	22.48	22.48				
10	16QAM	1	20	22.47	22.47	22.47	24	0		
10	16QAM	1	40	22.45	22.45	22.45				
10	16QAM	25	0	22.44	22.44	22.44				
10	16QAM	25	12	22.38	22.38	22.38	24	0		
10	16QAM	25	25	22.28	22.28	22.28				
10	16QAM	50	0	22.48	22.48	22.48	24	0		
10	16QAM	50	25	22.38	22.38	22.38				
10	16QAM	1	20	22.42	22.42	22.42	24	0		
10	16QAM	1	40	22.41	22.41	22.41				
10	16QAM	25	12	21.20	21.20	21.20	22.5	1.5		
10	16QAM	25	25	21.04	21.04	21.04				
10	25QAM	1	0	19.80	19.80	19.80				
10	25QAM	1	20	19.59	19.59	19.59	21	3		
10	25QAM	1	40	19.30	19.30	19.30				
10	25QAM	25	0	19.42	19.42	19.42				
10	25QAM	25	12	19.28	19.28	19.28	21	3		
10	25QAM	50	0	19.28	19.28	19.28				
10	25QAM	50	25	19.28	19.28	19.28				
Channel (MHz)				22.05	22.05	22.05	Unk-			
Channel (MHz)				77.65	77.65	77.65	Unk-			
10	QPSK	1	0	22.47	22.50	22.48	24	0		
5	QPSK	1	12	22.33	22.35	22.39				
5	QPSK	1	24	22.34	22.34	22.44				
5	QPSK	12	0	22.41	22.37	22.40				
5	QPSK	12	7	22.26	22.26	22.28	24	0		
5	QPSK	12	14	22.31	22.31	22.31				
5	QPSK	25	0	22.22	22.30	22.30				
5	16QAM	1	0	22.42	22.46	22.43				
5	16QAM	1	12	22.36	22.36	22.44				
5	16QAM	1	24	22.34	22.33	22.41				
5	16QAM	12	0	22.41	22.41	22.40				
5	16QAM	12	7	22.31	22.30	22.33	24	0		
5	16QAM	12	14	22.17	22.25	22.19				
5	16QAM	25	0	22.41	22.47	22.46				
5	16QAM	25	12	22.31	22.30	22.30				
5	16QAM	1	12	22.37	22.42	22.35				
5	16QAM	1	24	22.33	22.32	22.35				
5	16QAM	12	7	21.26	21.27	21.25	22.5	1.5		
5	16QAM	12	14	20.96	20.97	20.91				
5	16QAM	1	0	19.25	19.25	19.28				
5	25QAM	1	0	19.52	19.51	19.53				
5	25QAM	1	12	19.46	19.53	19.50	21	3		
5	25QAM	1	24	19.35	19.35	19.24				
5	25QAM	12	7	19.36	19.43	19.35				
5	25QAM	12	14	19.22	19.24	19.26				
5	25QAM	1	0	19.30	19.30	19.30	21	3		
5	25QAM	25	0	19.27	19.18	19.20				



Band 25 DS13_Simultaneous Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up rate (dB)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	19.78	19.81	19.66		
20	QPSK	1	49	19.73	19.78	19.65	21.1	0
20	QPSK	1	99	19.84	19.78	19.38		
20	QPSK	50	0	19.54	19.72	19.84		
20	QPSK	50	49	19.55	19.82	19.34	21.1	0
20	QPSK	50	99	19.82	19.87	19.85		
20	16QAM	1	0	19.75	19.81	19.47		
20	16QAM	1	49	19.50	19.85	19.54	21.1	0
20	16QAM	50	0	19.54	19.72	19.58		
20	16QAM	50	49	19.55	19.83	19.35	21.1	0
20	16QAM	50	99	19.50	19.87	19.60		
20	16QAM	100	0	19.47	19.59	19.59		
20	16QAM	100	49	19.48	19.85	19.45	21.1	0
20	64QAM	1	0	19.47	19.85	19.51		
20	64QAM	1	49	19.55	19.85	19.57	21.1	0
20	64QAM	50	0	19.47	19.87	19.47		
20	64QAM	50	49	19.57	19.88	19.52	21.1	0
20	64QAM	50	99	19.45	19.85	19.50		
20	64QAM	100	0	19.54	19.88	19.56		
20	256QAM	1	0	19.56	19.87	19.41	21	0.1
20	256QAM	1	49	19.48	19.31	19.58		
20	256QAM	50	0	19.47	19.74	19.47		
20	256QAM	50	49	19.28	19.41	19.35	21	0.1
20	256QAM	100	0	19.44	19.69	19.34		
Channel								
Frequency (MHz)								
15	QPSK	1	0	19.68	19.76	19.38		
15	QPSK	1	49	19.48	19.88	19.82	21.1	0
15	QPSK	1	74	19.51	19.70	19.54		
15	QPSK	36	0	19.47	19.86	19.56		
15	QPSK	36	20	19.44	19.58	19.45	21.1	0
15	QPSK	36	49	19.45	19.83	19.50		
15	QPSK	75	0	19.43	19.59	19.47		
15	16QAM	1	0	19.58	19.57	19.37	21.1	0
15	16QAM	1	37	19.45	19.44	19.49		
15	16QAM	1	74	19.49	19.82	19.40		
15	16QAM	36	0	19.45	19.87	19.46	21.1	0
15	16QAM	36	20	19.35	19.58	19.59		
15	16QAM	75	0	19.38	19.49	19.47		
15	64QAM	1	0	19.37	19.48	19.43	21.1	0
15	64QAM	1	37	19.46	19.47	19.45		
15	64QAM	1	74	19.44	19.55	19.38		
15	64QAM	36	0	19.50	19.54	19.46	21.1	0
15	64QAM	36	20	19.37	19.52	19.37		
15	64QAM	75	0	19.43	19.60	19.53		
15	256QAM	1	0	19.39	19.59	19.49	21	0.1
15	256QAM	1	37	19.42	19.57	19.42		
15	256QAM	1	74	19.39	19.55	19.45		
15	256QAM	36	0	19.38	19.53	19.52	21	0.1
15	256QAM	36	20	19.35	19.55	19.44		
15	256QAM	75	0	19.47	19.65	19.35		
Channel								
Frequency (MHz)								
20	QPSK	1	0	19.65	19.68	19.65		
20	QPSK	1	49	19.50	19.61	19.50	21.1	0
20	QPSK	25	19	19.41	19.52	19.54		
20	QPSK	25	25	19.52	19.52	19.50	21.1	0
20	QPSK	25	49	19.45	19.62	19.42		
20	16QAM	1	0	19.82	19.50	19.37		
20	16QAM	1	25	19.40	19.48	19.48	21.1	0
20	16QAM	25	19	19.48	19.63	19.45		
20	16QAM	25	25	19.40	19.52	19.51	21	0.1
20	16QAM	25	49	19.41	19.49	19.41		
20	16QAM	50	0	19.41	19.49	19.41		
20	16QAM	50	49	19.40	19.40	19.42	21.1	0
20	16QAM	1	49	19.37	19.50	19.30		
20	16QAM	25	0	19.49	19.61	19.54		
20	16QAM	25	49	19.48	19.47	19.45	21.1	0
20	16QAM	50	0	19.44	19.56	19.42		
20	16QAM	50	49	19.47	19.47	19.47		
20	16QAM	1	20	19.40	19.39	19.54	21	0.1
20	256QAM	1	0	19.39	19.47	19.54		
20	256QAM	1	20	19.40	19.59	19.54		
20	256QAM	25	0	19.53	19.58	19.42	21	0.1
20	256QAM	25	12	19.51	19.60	19.37		
20	256QAM	25	25	19.35	19.40	19.46		
20	256QAM	50	0	19.44	19.71	19.46		
Channel								
Frequency (MHz)								
3	QPSK	1	0	19.66	19.69	19.71	19.59	
3	QPSK	1	8	19.61	19.67	19.82		
3	QPSK	1	14	19.51	19.60	19.50		
3	QPSK	3	0	19.40	19.55	19.39	21.1	0
3	QPSK	3	4	19.51	19.57	19.82		
3	QPSK	3	7	19.55	19.61	19.54		
3	QPSK	6	0	19.39	19.54	19.52		
3	16QAM	1	0	19.61	19.49	19.33		
3	16QAM	1	8	19.40	19.45	19.30	21.1	0
3	16QAM	1	14	19.52	19.39	19.41		
3	16QAM	3	0	19.40	19.60	19.47		
3	16QAM	3	4	19.39	19.55	19.46	21.1	0
3	16QAM	6	0	19.42	19.63	19.46		
3	16QAM	15	0	19.43	19.48	19.54		
3	64QAM	1	0	19.39	19.61	19.48	21.1	0
3	64QAM	1	8	19.51	19.48	19.47		
3	64QAM	1	14	19.34	19.54	19.34		
3	64QAM	3	0	19.47	19.62	19.55	21.1	0
3	64QAM	3	4	19.43	19.63	19.47		
3	64QAM	6	0	19.31	19.48	19.35		
3	256QAM	1	0	19.34	19.59	19.43	21	0.1
3	256QAM	1	8	19.48	19.56	19.45		
3	256QAM	1	14	19.39	19.39	19.52		
3	256QAM	3	0	19.50	19.57	19.58	21	0.1
3	256QAM	3	4	19.40	19.48	19.37		
3	256QAM	6	0	19.21	19.50	19.36	21	0.1
3	256QAM	15	0	19.54	19.48	19.51		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	19.65	19.72	19.63	21.1	0
1.4	QPSK	1	3	19.63	19.63	19.55		
1.4	QPSK	1	5	19.60	19.66	19.46		
1.4	QPSK	3	0	19.44	19.65	19.38	21.1	0
1.4	QPSK	3	1	19.46	19.59	19.45		
1.4	16QAM	1	0	19.55	19.46	19.51		
1.4	16QAM	3	0	19.38	19.65	19.45	21.1	0
1.4	16QAM	1	0	19.55	19.46	19.41		
1.4	16QAM	1	3	19.45	19.40	19.41		
1.4	16QAM	3	0	19.46	19.54	19.49	21.1	0
1.4	16QAM	3	1	19.43	19.55	19.48		
1.4	16QAM	6	0	19.38	19.62	19.38	21.1	0
1.4	16QAM	1	0	19.48	19.62	19.42		
1.4	256QAM	1	0	19.38	19.60	19.37		
1.4	256QAM	1	3	19.35	19.63	19.49	21.1	0.0
1.4	256QAM	3	0	19.22	19.35	19.29		
1.4	256QAM	3	1	19.41	19.53	19.36		
1.4	256QAM	3	1	19.33	19.46	19.33		
1.4	256QAM	6	0	19.16	19.39	19.13		
1.4	256QAM	1	0	19.48	19.48	19.32	21	0.1

Band 38 DS13_Simultaneous Ant 2									
RF [MHz]	Modulation	RIS Size	RIS Offset	Power Low Co [dBm]	Power High Co [dBm]	Power Low Freq [dBm]	Power High Freq [dBm]	Turn-up test (dBm)	MPE (dB)
Channel 1									
Frequency (MHz)				31660	32000	30100	31100		
20	QPSK	1	0	16.42	16.42	16.42	16.42		
20	QPSK	1	49	16.45	16.43	16.40	16.43		0
20	QPSK	1	99	16.42	16.46	16.38	16.38		
20	QPSK	1	149	16.38	16.27	16.32	16.38		
20	QPSK	50	24	16.28	16.40	16.35	16.35		
20	QPSK	50	50	16.41	16.47	16.43	16.43		0
20	QPSK	100	75	16.38	16.27	16.32	16.32		
20	16QAM	1	0	16.42	16.43	16.31	16.31		
20	16QAM	1	49	16.35	16.35	16.35	16.35	17.6	0
20	16QAM	1	99	16.32	16.35	16.26	16.26		
20	16QAM	50	5	16.33	16.40	16.38	16.38		
20	16QAM	50	24	16.37	16.41	16.31	16.31		
20	16QAM	50	50	16.31	16.49	16.35	16.35	17.6	0
20	16QAM	100	0	16.30	16.33	16.28	16.28		
20	64QAM	1	0	16.30	16.33	16.28	16.28		
20	64QAM	1	49	16.30	16.33	16.27	16.27	17.6	0
20	64QAM	1	99	16.29	16.41	16.31	16.31		
20	64QAM	50	5	16.34	16.40	16.40	16.40		
20	64QAM	50	24	16.25	16.47	16.28	16.28		
20	64QAM	50	50	16.33	16.39	16.29	16.29		
20	64QAM	100	0	16.31	16.48	16.34	16.34		
20	256QAM	1	0	16.37	16.45	16.45	16.45	17.6	0
20	256QAM	1	49	16.26	16.45	16.32	16.32		
20	256QAM	1	99	16.38	16.46	16.37	16.37		
20	256QAM	50	24	16.30	16.37	16.38	16.38	17.6	0
20	256QAM	50	50	16.29	16.37	16.27	16.27		
20	256QAM	100	0	16.35	16.39	16.35	16.35		
Channel 2									
Frequency (MHz)				31655	32005	30105	31105		
15	QPSK	1	0	16.72	16.72	16.72	16.72		
15	QPSK	1	37	16.38	16.38	16.27	16.27	17.6	0
15	QPSK	1	74	16.38	16.36	16.30	16.30		
15	QPSK	36	36	16.38	16.36	16.27	16.27	17.6	0
15	QPSK	36	73	16.23	16.32	16.32	16.32		
15	QPSK	73	0	16.24	16.31	16.29	16.29		
15	16QAM	1	0	16.29	16.35	16.29	16.29		
15	16QAM	1	37	16.22	16.34	16.31	16.31	17.6	0
15	16QAM	1	74	16.28	16.32	16.16	16.16		
15	16QAM	36	5	16.22	16.29	16.27	16.27		
15	16QAM	36	36	16.25	16.45	16.28	16.28	17.6	0
15	16QAM	73	0	16.17	16.30	16.16	16.16		
15	64QAM	1	0	16.16	16.30	16.16	16.16		
15	64QAM	1	37	16.19	16.20	16.26	16.26	17.6	0
15	64QAM	1	74	16.20	16.33	16.16	16.16		
15	64QAM	36	5	16.20	16.36	16.16	16.16		
15	64QAM	36	36	16.20	16.37	16.10	16.10	17.6	0
15	64QAM	73	0	16.20	16.35	16.30	16.30		
15	256QAM	1	0	16.31	16.34	16.38	16.38		

Band 41 PC3 FCC&IC DS1.3_Simultaneous Ant 2												
RF [MHz]	Modulation	RIS Size	RIS Offset	Power Low Ch. [mW]	Power Low Mid. [mW]	Power Mid. [mW]	Power High Mid. [mW]	Power High Ch. [mW]	Turn-up time (dBm)	MFR (dB)		
Channel												
Frequency [MHz]				39750	40185	40600	41005	41400				
20	QPSK	1	0	16.81	16.81	16.81	16.81	16.81				
20	QPSK	1	50	16.84	16.86	16.88	16.87	16.83			17.6	0
20	QPSK	1	99	16.45	16.57	16.61	16.58	16.52				
20	QPSK	15.38	0	16.38	16.52	16.48	16.54	16.38				
20	QPSK	30	24	16.30	16.38	16.42	16.42	16.40			17.6	0
20	QPSK	50	50	16.48	16.50	16.55	16.48	16.40				
20	QPSK	50	74	16.33	16.45	16.54	16.54	16.38				
20	16QAM	1	0	16.61	16.56	16.49	16.47	16.36				
20	16QAM	1	50	16.33	16.33	16.33	16.33	16.33			17.6	0
20	16QAM	1	99	16.30	16.45	16.44	16.38	16.32				
20	16QAM	15.38	0	16.38	16.47	16.85	16.58	16.38				
20	16QAM	30	24	16.38	16.39	16.44	16.44	16.40			17.6	0
20	16QAM	50	50	16.32	16.43	16.54	16.47	16.32				
20	16QAM	100	0	16.27	16.26	16.52	16.41	16.39				
20	16QAM	15.38	0	16.38	16.40	16.54	16.44	16.31				
20	16QAM	1	49	16.35	16.43	16.46	16.37	16.29			17.6	0
20	16QAM	1	99	16.30	16.43	16.49	16.38	16.32				
20	16QAM	15.38	0	16.38	16.50	16.61	16.51	16.31				
20	16QAM	30	24	16.33	16.38	16.59	16.54	16.32				
20	16QAM	50	50	16.38	16.40	16.54	16.44	16.34				
20	16QAM	100	0	16.29	16.40	16.59	16.55	16.34				
20	256QAM	1	0	16.62	16.47	16.61	16.49	16.45			17.6	0
20	256QAM	1	50	16.40	16.40	16.51	16.47	16.62				
20	256QAM	1	99	16.29	16.19	16.45	16.32	16.27				
20	256QAM	15.38	0	16.34	16.43	16.52	16.47	16.32				
20	256QAM	30	24	16.28	16.39	16.42	16.38	16.33			17.6	0
20	256QAM	100	0	16.27	16.31	16.42	16.38	16.31				
Channel												
Frequency [MHz]				39752	40173	40602	41006	41515	Turn-up time (dBm)	MFR (dB)		
20	QPSK	1	0	16.71	16.63	16.5	16.37	16.53				
20	QPSK	1	37	16.31	16.49	16.61	16.54	16.47			17.6	0
20	QPSK	1	74	16.30	16.47	16.55	16.48	16.33				
20	QPSK	15.38	0	16.38	16.47	16.85	16.58	16.38				
20	QPSK	30	24	16.38	16.39	16.44	16.44	16.40			17.6	0
20	QPSK	50	20	16.22	16.29	16.42	16.37	16.32				
20	QPSK	50	74	16.33	16.40	16.44	16.44	16.40				
20	QPSK	75	0	16.30	16.40	16.45	16.45	16.26				
20	16QAM	1	0	16.45	16.62	16.46	16.37	16.28				
20	16QAM	1	37	16.23	16.34	16.46	16.41	16.36			17.6	0
20	16QAM	1	74	16.23	16.27	16.55	16.45	16.25				
20	16QAM	15.38	0	16.38	16.27	16.85	16.45	16.30				
20	16QAM	30	24	16.25	16.28	16.47	16.30	16.49			17.6	0
20	16QAM	50	20	16.14	16.22	16.48	16.37	16.31				
20	16QAM	50	74	16.28	16.25	16.44	16.31	16.27				
20	16QAM	1	37	16.30	16.39	16.35	16.30	16.25			17.6	0
20	16QAM	1	74	16.26	16.30	16.32	16.27	16.27				
20	16QAM	15.38	0	16.31	16.43	16.59	16.49	16.28				
20	16QAM	30	24	16.18	16.28	16.52	16.43	16.28			17.6	0
20	16QAM	50	20	16.17	16.17	16.33	16.24	16.28				
20	16QAM	75	0	16.20	16.32	16.06	16.41	16.19				
20	256QAM	1	0	16.35	16.37	16.61	16.30	16.52				
20	256QAM	1	37	16.34	16.28	16.45	16.35	16.29			17.6	0
20	256QAM	1	74	16.14	16.16	16.31	16.40	16.27				
20	256QAM	15.38	0	16.30	16.23	16.61	16.30	16.52				
20	256QAM	30	24	16.00	16.22	16.40	16.31	16.22				
20	256QAM	50	20	16.00	16.22	16.40	16.31	16.24				
20	256QAM	50	74	16.00	16.28	16.19	16.10	16.15				
20	256QAM	75	0	16.05	16.24	16.08	16.18	16.08				
Channel												
Frequency [MHz]				39750	40180	40600	41006	41560	Turn-up time (dBm)	MFR (dB)		
20	QPSK	1	0	16.71	16.63	16.48	16.36	16.53				
20	QPSK	1	29	16.40	16.44	16.62	16.43	16.47			17.6	0
20	QPSK	1	49	16.39	16.63	16.52	16.40	16.32				
20	QPSK	1	99	16.27	16.43	16.48	16.45	16.35				
20	QPSK	25	12	16.24	16.24	16.40	16.38	16.29				
20	QPSK	50	0	16.37	16.41	16.41	16.41	16.30				
20	QPSK	50	24	16.19	16.33	16.45	16.43	16.32				
20	16QAM	1	0	16.36	16.42	16.42	16.37	16.27				
20	16QAM	1	24	16.21	16.33	16.38	16.17	16.22			17.6	0
20	16QAM	1	49	16.28	16.37	16.30	16.22	16.17				
20	16QAM	25	0	16.31	16.34	16.39	16.47	16.31				
20	16QAM	50	0	16.29	16.33	16.38	16.43	16.28				
20	16QAM	50	24	16.18	16.28	16.34	16.47	16.25				
20	16QAM	1	25	16.29	16.34	16.39	16.38	16.18			17.6	0
20	16QAM	25	0	16.29	16.45	16.50	16.50	16.26				
20	16QAM	25	12	16.26	16.22	16.48	16.46	16.27			17.6	0
20	16QAM	50	12	16.11	16.25	16.43	16.42	16.21				
20	16QAM	50	24	16.22	16.33	16.45	16.41	16.16				
20	16QAM	1	0	16.32	16.49	16.41	16.33	16.40				
20	16QAM	1	24	16.41	16.34	16.43	16.22	16.36				
20	16QAM	1	49	16.32	16.22	16.52	16.33	16.14				
20	16QAM	25	0	16.55	16.45	16.50	16.45	16.25				
20	256QAM	1	0	16.06	16.30	16.32	16.22	16.17			17.6	0
20	256QAM	25	12	16.21	16.32	16.21	16.24	16.10				
20	256QAM	50	0	16.55	16.44	16.52	16.42	16.40				
Channel												
Frequency [MHz]				39670	40148	40600	41006	41565	Turn-up time (dBm)	MFR (dB)		
5	QPSK	1	0	16.68	16.63	16.48	16.37	16.53				
5	QPSK	1	12	16.40	16.43	16.63	16.52	16.49			17.6	0
5	QPSK	1	24	16.34	16.45	16.58	16.52	16.40				
5	QPSK	12	7	16.23	16.47	16.54	16.44	16.28				
5	QPSK	25	0	16.24	16.27	16.59	16.31	16.26				
5	QPSK	50	0	16.18	16.30	16.43	16.43	16.24			17.6	0
5	QPSK	25	12	16.39	16.43	16.42	16.42	16.25				
5	16QAM	1	0	16.19	16.25	16.29	16.22	16.11			17.6	0
5	16QAM	1	24	16.24	16.34	16.31	16.26	16.23				
5	16QAM	1	49	16.28	16.35	16.32	16.24	16.22				
5	16QAM	12	7	16.22	16.28	16.54	16.42	16.35			17.6	0
5	16QAM	12	13	16.22	16.28	16.42	16.38	16.37				
5	16QAM	1	0	16.14	16.32	16.37	16.31	16.14				
5	16QAM	1	12	16.28	16.30	16.40	16.32	16.23				
5	16QAM	1	24	16.24	16.30	16.37	16.30	16.22				
5	16QAM	25	0	16.20	16.25	16.47	16.44	16.18				
5	16QAM	50	0	16.40	16.35	16.48	16.35	16.31			17.6	0
5	256QAM	1	0	16.34	16.26	16.55	16.25	16.41				
5	256QAM	12	7	16.11	16.22	16.52	16.31	16.27				
5	256QAM	12	13	16.10	16.39	16.38	16.27	16.21				
5	256QAM	25	0	16.49	16.37	16.42	16.35	16.40				



Band 41 PC2 FCC&IC DSI3_Simultaneous Ant 2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel											
Frequency (MHz)											
18.89	20	QPSK	1	0	18.48	18.55	18.52	18.49	19.2	0	
	20	QPSK	1	49	18.36	18.52	18.54	18.49	18.45		
	20	QPSK	1	99	18.20	18.50	18.48	18.42	18.39		
	20	QPSK	50	0	18.30	18.37	18.39	18.47	18.26		
	20	QPSK	50	24	18.18	18.29	18.39	18.28	18.36	19.2	0
	20	QPSK	50	49	18.33	18.45	18.40	18.35	18.37		
	20	QPSK	100	0	18.26	18.39	18.40	18.42	18.29		
	20	16QAM	1	0	18.37	18.49	18.44	18.36	18.30	19.2	0
	20	16QAM	1	49	18.17	18.34	18.39	18.28	18.19		
	20	16QAM	1	99	18.24	18.34	18.38	18.28	18.25		
	20	16QAM	50	0	18.30	18.43	18.59	18.50	18.32		
	20	16QAM	50	24	18.26	18.34	18.39	18.40	18.28	19.2	0
	20	16QAM	50	50	18.26	18.38	18.48	18.26	18.40		
	20	16QAM	100	0	18.30	18.42	18.38	18.29	18.35		
	20	64QAM	1	0	18.25	18.27	18.44	18.45	18.15	19.2	0
	20	64QAM	1	49	18.30	18.32	18.42	18.36	18.24		
	20	64QAM	1	99	18.22	18.31	18.46	18.35	18.20		
	20	64QAM	50	0	18.30	18.39	18.46	18.50	18.19		
	20	64QAM	50	24	18.28	18.30	18.25	18.42	18.28	19.2	0
	20	64QAM	50	50	18.21	18.30	18.42	18.30	18.27		
20	256QAM	1	0	18.21	18.37	18.37	18.50	18.24			
20	256QAM	1	49	18.28	18.28	18.48	18.40	18.29	19.2	0	
20	256QAM	1	99	18.14	18.32	18.41	18.23	18.30			
20	256QAM	50	0	18.19	18.30	18.48	18.29	18.37			
20	256QAM	50	24	18.32	18.31	18.45	18.36	18.18	19.2	0	
20	256QAM	50	50	18.30	18.38	18.35	18.27	18.23			
20	256QAM	100	0	18.23	18.31	18.43	18.28	18.25			
Channel											
Frequency (MHz)											
15	QPSK	1	0	18.25	18.51	18.34	18.43	18.40	19.20	0	
15	QPSK	1	37	18.23	18.47	18.43	18.34	18.33		19.20	0
15	QPSK	1	74	18.31	18.47	18.38	18.24	18.28			
15	QPSK	36	0	18.25	18.22	18.50	18.40	18.18			
15	QPSK	36	20	18.07	18.24	18.25	18.21	18.19	19.2	0	
15	QPSK	75	0	18.27	18.38	18.29	18.20	18.18			
15	QPSK	75	0	18.10	18.31	18.41	18.29	18.18			
15	16QAM	1	0	18.27	18.37	18.29	18.23	18.21	19.2	0	
15	16QAM	1	37	18.09	18.35	18.36	18.27	18.12			
15	16QAM	1	74	18.13	18.31	18.29	18.19	18.19			
15	16QAM	36	0	18.17	18.39	18.53	18.47	18.27			
15	16QAM	36	20	18.17	18.21	18.51	18.42	18.20	19.2	0	
15	16QAM	36	36	18.14	18.34	18.44	18.22	18.27			
15	16QAM	75	0	18.08	18.25	18.25	18.15	18.23			
15	64QAM	1	0	18.19	18.22	18.35	18.25	18.01	19.2	0	
15	64QAM	1	37	18.25	18.28	18.35	18.21	18.09			
15	64QAM	1	74	18.15	18.27	18.37	18.26	18.18			
15	64QAM	36	0	18.17	18.28	18.32	18.40	18.08			
15	64QAM	36	20	18.19	18.15	18.51	18.38	18.22	19.2	0	
15	64QAM	36	36	18.17	18.27	18.38	18.22	18.17			
15	64QAM	75	0	18.20	18.28	18.50	18.33	18.00			
15	256QAM	1	0	18.06	18.24	18.49	18.36	18.15	19.2	0	
15	256QAM	1	37	18.08	18.20	18.36	18.25	18.34			
15	256QAM	1	74	18.02	18.28	18.26	18.13	18.19			
15	256QAM	36	0	18.01	18.21	18.35	18.21	18.16			
15	256QAM	36	20	18.08	18.16	18.41	18.25	18.11	19.2	0	
15	256QAM	36	36	18.26	18.25	18.22	18.21	18.11			
15	256QAM	75	0	18.07	18.24	18.50	18.39	18.11			
Channel											
Frequency (MHz)											
10	QPSK	1	0	18.41	18.49	18.57	18.47	18.43	19.20	0	
10	QPSK	1	25	18.32	18.48	18.47	18.43	18.37			
10	QPSK	1	49	18.32	18.40	18.35	18.32	18.32			
10	QPSK	25	0	18.17	18.31	18.30	18.43	18.15			
10	QPSK	25	12	18.12	18.25	18.24	18.21	18.12	19.2	0	
10	QPSK	25	25	18.26	18.40	18.29	18.22	18.15			
10	QPSK	25	49	18.18	18.30	18.24	18.25	18.25			
10	16QAM	1	0	18.29	18.44	18.32	18.32	18.22			
10	16QAM	1	25	18.08	18.27	18.52	18.19	18.13	19.2	0	
10	16QAM	1	49	18.18	18.26	18.29	18.14	18.21			
10	16QAM	25	0	18.16	18.37	18.46	18.43	18.29			
10	16QAM	25	12	18.22	18.25	18.53	18.39	18.23	19.2	0	
10	16QAM	25	25	18.13	18.30	18.34	18.21	18.31			
10	16QAM	50	0	18.15	18.18	18.23	18.25	18.31			
10	64QAM	1	0	18.14	18.22	18.38	18.23	18.11			
10	64QAM	1	25	18.20	18.27	18.33	18.19	18.12	19.2	0	
10	64QAM	1	49	18.19	18.27	18.35	18.27	18.25			
10	64QAM	25	0	18.22	18.29	18.40	18.36	18.05			
10	64QAM	25	12	18.21	18.21	18.46	18.37	18.21	19.2	0	
10	64QAM	25	25	18.09	18.17	18.33	18.25	18.13			
10	64QAM	50	0	18.22	18.31	18.43	18.42	18.05			
10	256QAM	1	0	18.17	18.26	18.45	18.37	18.15			
10	256QAM	1	25	18.17	18.19	18.41	18.33	18.24	19.2	0	
10	256QAM	1	49	18.10	18.27	18.34	18.11	18.16			
10	256QAM	25	0	18.10	18.26	18.45	18.16	18.20			
10	256QAM	25	12	18.19	18.22	18.36	18.25	18.13	19.2	0	
10	256QAM	25	25	18.15	18.35	18.31	18.22	18.12			
10	256QAM	50	0	18.13	18.27	18.38	18.17	18.13			
Channel											
Frequency (MHz)											
5	QPSK	1	0	18.44	18.41	18.59	18.45	18.43	19.20	0	
5	QPSK	1	12	18.30	18.48	18.47	18.39	18.33		19.20	0
5	QPSK	1	24	18.26	18.38	18.44	18.34	18.29			
5	QPSK	12	0	18.21	18.28	18.50	18.40	18.11			
5	QPSK	12	7	18.05	18.22	18.31	18.16	18.18	19.2	0	
5	QPSK	12	19	18.27	18.41	18.35	18.31	18.13			
5	QPSK	25	0	18.14	18.34	18.36	18.23	18.14			
5	16QAM	1	0	18.28	18.39	18.38	18.29	18.19			
5	16QAM	1	12	18.12	18.29	18.34	18.15	18.08	19.2	0	
5	16QAM	1	24	18.14	18.28	18.33	18.21	18.16			
5	16QAM	12	0	18.27	18.35	18.44	18.43	18.25			
5	16QAM	12	7	18.22	18.28	18.45	18.34	18.18	19.2	0	
5	16QAM	12	19	18.12	18.26	18.42	18.15	18.30			
5	16QAM	25	0	18.09	18.23	18.28	18.21	18.25			
5	64QAM	1	0	18.22	18.19	18.34	18.33	18.09	19.2	0	
5	64QAM	1	12	18.26	18.24	18.29	18.16	18.16			
5	64QAM	1	24	18.15	18.20	18.37	18.22	18.21			
5	64QAM	12	0	18.17	18.35	18.33	18.39	18.16			
5	64QAM	12	7	18.22	18.24	18.39	18.25	18.17	19.2	0	
5	64QAM	12	19	18.15	18.24	18.37	18.21	18.17			
5	64QAM	25	0	18.18	18.24	18.37	18.21	18.17			
5	256QAM	1	0	18.07	18.23	18.33	18.25	18.13	19.2	0	
5	256QAM	1	12	18.13	18.13	18.41	18.34	18.25			
5	256QAM	1	24	18.03	18.24	18.30	18.19	18.20			
5	256QAM	12	0	18.01	18.24	18.43	18.35	18.22			
5	256QAM	12	7	18.18	18.27	18.31	18.32	18.06	19.2	0	
5	256QAM	12	19	18.20	18.34	18.24	18.17	18.14			
5	256QAM	25	0	18.15	18.19	18.40	18.31	18.13			

OSM1800 Ant3		OSM1800 Parameters							
OSM1800 Ant3		Base Frequency Forward (MHz)				Frame-Synced Power (dBm)			
TX Channel		812	861	810	Limit	812	861	810	Limit
Frequency (MHz)		860.2	910	1000.2	(dBm)	860.2	910	1000.2	(dBm)
OSM 1 Tx Min		20.42	20.49	20.32	30.00	20.42	20.49	20.32	21.00
OSM 1 Tx Max		20.36	20.41	20.30	27.00	20.36	20.40	20.30	21.00
OSM 3 Tx Min		20.26	20.42	20.36	27.00	20.26	20.42	20.36	21.00
OSM 3 Tx Max		24.00	24.07	24.43	25.00	20.24	20.31	20.17	21.04
OSM 4 Tx Min		22.01	22.02	22.00	24.00	19.00	19.00	19.00	21.00
EDGE 1 Tx Min		20.06	20.13	24.09	26.00	18.06	18.13	18.09	17.00
EDGE 2 Tx Min		21.03	21.42	23.40	24.00	17.03	17.43	17.40	18.00
EDGE 3 Tx Min		22.01	22.30	22.25	23.00	17.00	18.00	17.00	19.04
EDGE 4 Tx Min		20.13	20.18	20.08	21.00	17.13	17.17	17.08	18.00
		OSM1800 WCDMA V1 Ant3				OSM1800 WCDMA V1 Ant3			
Base		WCDMA II				WCDMA IV			
TX Channel		8602	8600	8608	Limit	8602	8600	8608	Limit
Rx Channel		8602	8600	8608	(dBm)	8602	8600	8608	(dBm)
Frequency (MHz)		1000.2	900.0	1000.0	21.00	1000.2	900.0	1000.0	21.40
SOPP Rel 90	Ant 12 J2002	10.06	20.00	20.00	21.00	20.04	20.00	20.37	21.40
SOPP Rel 6	HS-PA Subcar-1	10.01	19.10	19.14	20.00	19.00	19.44	19.47	20.40
SOPP Rel 6	HS-PA Subcar-2	10.07	19.17	18.86	20.00	19.33	19.52	19.24	20.40
SOPP Rel 6	HS-PA Subcar-3	10.02	18.61	18.53	20.00	18.67	18.00	18.00	19.00
SOPP Rel 6	HS-PA Subcar-4	10.46	18.70	18.62	20.00	18.81	18.04	18.03	19.00
SOPP Rel 6	DC-HSPA Subcar-1	10.08	19.10	19.04	20.00	19.34	19.52	19.36	20.40
SOPP Rel 6	DC-HSPA Subcar-2	10.07	19.10	19.13	20.00	19.32	19.43	19.44	20.40
SOPP Rel 6	DC-HSPA Subcar-3	10.35	18.54	18.50	20.00	18.81	18.00	18.69	19.00
SOPP Rel 6	DC-HSPA Subcar-4	10.41	18.52	18.50	20.00	18.71	18.00	18.71	19.00
SOPP Rel 6	HS-PA Subcar-1	10.10	19.32	19.00	20.00	19.44	19.62	19.33	20.40
SOPP Rel 6	HS-PA Subcar-2	10.07	17.12	17.10	18.00	17.50	17.04	17.46	18.40
SOPP Rel 6	HS-PA Subcar-3	10.02	18.10	18.04	19.00	18.49	18.00	18.30	19.40
SOPP Rel 6	HS-PA Subcar-4	10.00	17.23	17.18	18.00	17.27	17.07	17.43	18.40
SOPP Rel 6	HS-PA Subcar-5	10.06	18.00	18.07	20.00	19.31	19.32	19.26	20.40



Band 2 DSI3_Simultaneous Ant 3														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up Init. (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	20.14	20.23	20.17	21.3	0						
20	QPSK	1	49	20.08	20.18	20.13								
20	QPSK	1	99	20.10	20.20	20.14								
20	QPSK	50	0	20.15	20.20	20.17								
20	QPSK	50	24	20.05	20.08	20.06	21.3	0						
20	QPSK	50	50	20.00	20.14	20.10								
20	QPSK	100	0	20.04	20.10	20.10								
20	16QAM	1	0	20.00	20.11	20.07								
20	16QAM	1	99	20.13	20.07	20.03	21.3	0						
20	16QAM	1	49	20.01	20.15	20.11								
20	16QAM	50	0	20.01	20.10	20.12								
20	16QAM	50	50	20.08	20.11	20.15								
20	16QAM	100	0	20.02	20.06	20.08	21.3	0						
20	64QAM	1	0	19.98	20.10	20.00								
20	64QAM	1	49	20.02	20.10	20.06								
20	64QAM	50	0	20.05	20.14	20.11								
20	64QAM	50	24	19.99	20.10	20.02	21.3	0						
20	64QAM	50	50	19.99	20.08	19.96								
20	256QAM	100	0	20.01	20.10	20.02								
20	256QAM	1	49	19.91	19.93	19.95								
20	256QAM	1	99	19.98	19.43	19.33	21	0.3						
20	256QAM	50	0	19.97	19.40	19.38								
20	256QAM	50	24	19.33	19.39	19.36								
20	256QAM	50	50	19.25	19.35	19.32								
20	256QAM	100	0	19.43	19.33	19.32								
20	256QAM	100	0	19.43	19.33	19.32								
Channel														
Frequency (MHz)														
16	QPSK	1	0	19.99	20.18	20.02	21.3	0						
16	QPSK	1	37	19.97	20.07	20.06								
16	QPSK	1	74	19.95	20.13	20.08								
16	QPSK	36	0	20.11	20.13	20.11								
16	QPSK	36	36	19.93	20.04	19.98	21.3	0						
16	QPSK	75	0	19.98	20.01	19.96								
16	16QAM	1	0	19.94	20.00	19.93								
16	16QAM	1	37	19.98	19.94	19.89								
16	16QAM	1	74	19.97	19.99	19.93	21.3	0						
16	16QAM	36	0	19.96	20.04	20.05								
16	16QAM	36	36	20.10	20.15	20.03								
16	16QAM	75	0	19.99	20.01	19.99								
16	64QAM	1	0	19.93	20.09	19.90	21.3	0						
16	64QAM	1	37	19.95	19.98	19.96								
16	64QAM	1	74	19.96	19.97	19.94								
16	64QAM	36	0	19.99	20.00	20.01								
16	64QAM	36	36	20.07	20.08	20.06	21.3	0						
16	64QAM	75	0	19.92	19.97	19.93								
16	64QAM	75	0	19.87	20.04	19.97								
16	256QAM	1	0	19.95	19.95	19.95								
16	256QAM	1	37	19.39	19.25	19.40	21	0.3						
16	256QAM	1	74	19.33	19.30	19.26								
16	256QAM	36	0	19.92	19.45	19.38								
16	256QAM	36	36	20.12	19.25	19.20								
16	256QAM	36	75	19.23	19.25	19.20	21	0.3						
16	256QAM	75	0	19.34	19.23	19.20								
16	256QAM	75	0	19.34	19.23	19.20								
16	256QAM	75	0	19.34	19.23	19.20								
Channel														
Frequency (MHz)														
16	QPSK	1	0	20.11	20.16	20.10	21.3	0						
16	QPSK	1	25	19.95	20.14	20.07								
16	QPSK	1	49	20.04	20.08	20.11								
16	QPSK	25	0	20.03	20.03	20.03								
16	QPSK	25	12	19.93	20.00	19.91	21.3	0						
16	QPSK	25	25	19.98	20.01	20.05								
16	QPSK	50	0	19.92	19.92	19.92								
16	QPSK	50	25	19.92	19.92	19.92								
16	16QAM	1	0	19.92	20.00	19.95	21.3	0						
16	16QAM	1	25	19.99	20.03	19.97								
16	16QAM	1	49	20.01	19.98	19.96								
16	16QAM	25	0	19.95	20.12	19.99								
16	16QAM	25	12	19.99	20.04	20.07	21.3	0						
16	16QAM	50	0	19.95	20.07	19.98								
16	16QAM	50	0	19.92	19.92	19.99								
16	16QAM	50	0	19.84	20.09	19.90								
16	64QAM	1	24	19.92	20.00	19.94	21.3	0						
16	64QAM	1	49	19.92	19.98	19.96								
16	64QAM	25	0	19.91	20.07	19.96								
16	64QAM	25	12	19.88	20.00	19.96								
16	64QAM	50	25	19.87	19.99	19.85	21.3	0						
16	64QAM	50	0	19.94	20.07	19.97								
16	256QAM	1	0	19.38	19.37	19.36								
16	256QAM	1	25	19.39	19.27	19.34								
16	256QAM	25	0	19.27	19.31	19.27	21	0.3						
16	256QAM	25	12	19.28	19.30	19.26								
16	256QAM	25	25	19.34	19.28	19.25								
16	256QAM	50	0	19.33	19.34	19.29								
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.00	20.15	20.08	21.3	0						
5	QPSK	1	12	19.98	20.05	19.94								
5	QPSK	1	24	20.05	20.07	20.05								
5	QPSK	12	0	19.93	20.08	19.98								
5	QPSK	12	7	19.93	20.01	20.00	21.3	0						
5	QPSK	12	13	19.90	20.00	19.98								
5	QPSK	25	0	19.94	20.07	19.99								
5	16QAM	1	0	19.98	19.97	19.97								
5	16QAM	1	12	19.93	20.05	19.94	21.3	0						
5	16QAM	1	24	20.05	20.03	19.99								
5	16QAM	12	0	19.86	20.01	20.01								
5	16QAM	12	7	19.87	20.08	19.97								
5	16QAM	12	13	20.01	20.08	20.06	21.3	0						
5	16QAM	25	0	19.90	19.95	19.94								
5	64QAM	1	0	19.88	20.12	19.86								
5	64QAM	1	12	19.97	19.95	19.96								
5	64QAM	1	24	19.86	20.05	19.97	21.3	0						
5	64QAM	12	0	19.96	20.03	20.04								
5	64QAM	12	7	19.93	20.12	19.93								
5	64QAM	12	13	19.92	19.95	19.91								
5	64QAM	25	0	19.87	19.92	19.98	21	0.3						
5	256QAM	1	0	19.37	19.50	19.39								
5	256QAM	1	12	19.43	19.52	19.42								
5	256QAM	1	24	19.25	19.23	19.20								
5	256QAM	12	0	19.26	19.42	19.33	21	0.3						
5	256QAM	12	7	19.28	19.33	19.25								

Band 25 DSIS_Simultaneous Ant 3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up Int. (Sec)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.27	20.34	20.22	21.3	0				
20	QPSK	1	49	20.23	20.31	20.18						
20	QPSK	1	99	20.12	20.25	20.17						
20	QPSK	50	0	20.15	20.26	20.16	21.3	0				
20	QPSK	50	24	20.13	20.18	20.08						
20	QPSK	50	50	20.10	20.20	20.16						
20	QPSK	100	0	20.12	20.21	20.11	21.3	0				
20	QPSK	100	1	20.08	20.21	20.11						
20	16QAM	1	49	20.11	20.23	20.16						
20	16QAM	1	99	20.04	20.19	20.08	21.3	0				
20	16QAM	50	0	20.15	20.20	20.07						
20	16QAM	50	24	20.12	20.17	20.07						
20	16QAM	100	0	20.07	20.15	20.04	21.3	0				
20	16QAM	100	0	20.15	20.23	20.19						
20	64QAM	1	0	20.01	20.12	19.98						
20	64QAM	1	49	20.02	20.16	20.03	21.3	0				
20	64QAM	50	0	20.02	20.11	20.08						
20	64QAM	50	0	20.08	20.21	20.11						
20	64QAM	50	24	20.12	20.17	20.07	21.3	0				
20	64QAM	50	50	20.08	20.20	20.10						
20	64QAM	100	0	20.07	20.10	20.04						
20	256QAM	1	0	19.91	19.99	19.92	21	0.3				
20	256QAM	1	49	19.43	19.85	19.47						
20	256QAM	1	99	19.44	19.42	19.40						
20	256QAM	50	0	19.45	19.46	19.41	21	0.3				
20	256QAM	50	24	19.38	19.46	19.41						
20	256QAM	50	50	19.42	19.40	19.39						
20	256QAM	100	0	19.44	19.40	19.39	21	0.3				
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.21	20.31	20.08	21.3	0				
15	QPSK	1	49	20.08	20.20	20.09						
15	QPSK	1	74	20.02	20.19	20.03						
15	QPSK	36	0	20.04	20.14	20.02	21.3	0				
15	QPSK	36	24	20.04	20.14	19.97						
15	QPSK	36	36	19.96	20.12	20.12						
15	16QAM	1	0	19.97	20.07	19.96	21.3	0				
15	16QAM	1	74	20.03	20.09	19.93						
15	16QAM	1	37	20.01	20.20	20.03						
15	16QAM	36	0	19.91	20.12	19.80	21.3	0				
15	16QAM	36	0	20.10	20.15	20.03						
15	16QAM	36	20	20.01	20.03	19.97						
15	16QAM	75	0	20.10	20.11	20.07	21.3	0				
15	64QAM	1	0	19.89	20.02	19.94						
15	64QAM	1	49	19.88	20.01	19.97						
15	64QAM	1	74	19.94	19.97	20.03	21.3	0				
15	64QAM	36	0	20.02	20.17	20.06						
15	64QAM	36	20	20.01	20.15	20.00						
15	64QAM	36	36	20.01	20.15	20.00	21.3	0				
15	64QAM	75	0	19.94	20.04	19.90						
15	256QAM	1	0	19.82	19.93	19.80						
15	256QAM	1	37	19.40	19.61	19.37	21	0.3				
15	256QAM	1	74	19.30	19.38	19.36						
15	256QAM	36	0	19.32	19.33	19.41						
15	256QAM	36	20	19.29	19.43	19.28	21	0.3				
15	256QAM	36	36	19.34	19.35	19.26						
15	256QAM	75	0	19.32	19.33	19.40						
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.13	20.20	20.14	21.3	0				
10	QPSK	1	25	20.14	20.24	20.08						
10	QPSK	1	49	19.99	20.12	20.11						
10	QPSK	25	0	20.08	20.18	20.06	21.3	0				
10	QPSK	25	12	20.08	20.08	19.94						
10	QPSK	25	25	20.00	20.08	20.08						
10	16QAM	1	0	19.96	20.08	19.94	21.3	0				
10	16QAM	1	25	20.02	20.19	20.02						
10	16QAM	25	0	20.06	20.08	19.93						
10	16QAM	25	12	20.02	20.04	19.98	21.3	0				
10	16QAM	25	12	20.03	20.03	19.90						
10	16QAM	50	0	20.02	20.10	20.14						
10	64QAM	1	0	19.98	20.02	19.90	21.3	0				
10	64QAM	1	25	19.97	20.12	19.96						
10	64QAM	1	49	19.96	20.04	20.00						
10	64QAM	25	0	19.97	20.07	20.01	21.3	0				
10	64QAM	25	12	20.00	20.09	19.97						
10	64QAM	25	25	19.94	20.13	20.03						
10	64QAM	50	0	19.93	20.04	19.92	21	0.3				
10	256QAM	1	0	19.48	19.55	19.43						
10	256QAM	1	25	19.30	19.59	19.44						
10	256QAM	1	49	19.32	19.35	19.36	21	0.3				
10	256QAM	25	0	19.32	19.33	19.45						
10	256QAM	25	12	19.32	19.32	19.33						
10	256QAM	25	25	19.37	19.38	19.35	21	0.3				
10	256QAM	25	25	19.37	19.28	19.26						
10	256QAM	50	0	19.41	19.53	19.47						
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.13	20.20	20.14	21.3	0				
5	QPSK	1	12	20.14	20.17	20.12						
5	QPSK	1	24	20.09	20.22	20.12						
5	QPSK	12	0	20.11	20.13	20.06	21.3	0				
5	QPSK	12	7	19.99	20.11	19.99						
5	QPSK	12	13	19.95	20.07	20.08						
5	16QAM	1	0	19.95	20.02	19.89	21.3	0				
5	16QAM	1	12	20.01	20.19	20.06						
5	16QAM	1	24	19.98	20.07	20.01						
5	16QAM	12	0	20.10	20.10	19.94	21.3	0				
5	16QAM	12	7	20.03	20.06	20.09						
5	16QAM	12	13	19.97	20.13	19.98						
5	16QAM	25	0	20.10	20.10	20.12	21.3	0				
5	64QAM	1	0	19.93	19.98	19.89						
5	64QAM	1	12	19.91	20.04	19.98						
5	64QAM	1	24	19.97	19.98	20.04	21.3	0				
5	64QAM	12	0	19.98	20.10	19.98						
5	64QAM	12	13	19.92	20.09	20.03						
5	64QAM	25	0	19.93	19.97	19.91	21	0.3				
5	256QAM	1	0	19.47	19.57	19.38						
5	256QAM	1	12	19.38	19.52	19.33						
5	256QAM	1	24	19.31	19.36	19.28	21	0.3				
5	256QAM	12	0	19.37	19.58	19.42						
5	256QAM	12	7	19.32	19.41	19.26						
5	256QAM	12	13	19.38	19.32	19.20	21	0.3				
5	256QAM	25	0	19.31	19.50	19.40						
5	256QAM	25	0	19.31	19.50	19.40						
Channel												
Frequency (MHz)												
3	QPSK	1	0	20.14	20.21	20.07	21.3	0				
3	QPSK	1	8	20.13	20.18	20.04						
3	QPSK	1	14	20.08	20.17	20.13						
3	QPSK	8	0	20.05	20.12	20.10	21.3	0				
3	QPSK	8	4	20.06	20.09	20.05						
3	QPSK	8	7	19.98	20.06	20.02						
3	16QAM	1	0	20.08	20.10	20.07	21.3	0				
3	16QAM	1	0	19.96	20.00	19.89						
3	16QAM	1					21.3	0				
3	16QAM	1										
3	16QAM	1					21.3	0				
3	16QAM	1										
3	16QAM	8	0	19.99	20.13	19.96	21.3	0				
3	16QAM	8	4	20.01	20.12	20.08						
3	16QAM	8	7	19.99	20.09	19.95						
3	16QAM	16	0	19.93	20.01	19.90	21.3	0				
3	16QAM	16	8	19.94	20.04	19.90						
3	16QAM	16	15	19.84	20.03	19.87						
3	256QAM	1	0	19.37	19.41	19.37	21	0.3				
3	256QAM	1	14	19.39	19.30	19.27						
3	256QAM	1	28	19.32	19.34	19.44						
3	256QAM	8	0	19.24	19.41	19.32	21	0.3				
3	256QAM	8	7	19.28	19.32	19.38						
3	256QAM	8	14	19.32	19.32	19.32						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	20.21	20.31	20.07	21.3	0				
1.4	QPSK	1	3	20.11	20.21	20.18						
1.4	QPSK	1	6	20.06	20.20	20.07						
1.4	QPSK	3	0	20.08	20.18	20.06	21.3	0				
1.4	QPSK	3	3	20.05	20.11	19.93						
1.4	QPSK	3	6	20.03	20.11	19.93						
1.4	16QAM	1	0	20.01	20.09	19.91	21.3	0				
1.4	16QAM	1	3	20.00	20.15	20.06						
1.4	16QAM	3	0	20.01	20.09	20.02						
1.4	16QAM	3	3	20.00	20.10	20.07	21.3	0				
1.4	16QAM	3	6	19.97	20.14	20.07						
1.4	16QAM	6	0	20.05	20.17	20.13						
1.4	16QAM	6	3	19.99	20.20	20.18	21.3	0				
1.4	16QAM	6	6	19.93	20.20	20.18						
1.4	16QAM	3	9	20.02	20.09	20.04						
1.4	16QAM	6	0	19.98	20.16	19.96	21.3	0				
1.4	16QAM	6	3	20.03	20.03	19.96						
1.4	16QAM	6	6	19.94	20.02	19.99						
1.4	256QAM	1	0	19.32	19.38	19.34	21	0.3				
1.4	256QAM	1	3	19.34	19.34	19.44						
1.4	256QAM	3	0	19.34	19.38	19.27						
1.4	256QAM	3	3	19.34	19.38	19.41	21	0.3				
1.4	256QAM	6	0	19.34	19.38	19.41						
1.4	256QAM	6	3	19.34	19.38	19.41						
1.4	256QAM	6	6	19.34	19.38	19.41						
1.4	256QAM	6	9	19.34	19.38	19.41						

Band 38 DS13_Simultaneous Ant 3										
RF [MHz]	Modulation	RIS Size	RIS Offset	Power Low Co-Freq [dBm]	Power High Co-Freq [dBm]	Power Low Freq [dBm]	Power High Freq [dBm]	Turn-up test (dBm)	MPE (dB)	
Channel				37665	38000	38000	38150			
Frequency (MHz)				2980	2995	2995	3010			
20	QPSK	1	0	19.24	19.28	19.32	19.36			
20	QPSK	1	49	19.24	19.32	19.36	19.36			
20	QPSK	1	99	19.18	19.22	19.23				
20	QPSK	50	0	19.24	19.32	19.36	19.43			
20	QPSK	50	24	19.59	19.37	19.23		20.6	0	
20	QPSK	50	50	19.21	19.17	19.21				
20	QPSK	100	0	19.37	19.37	19.37	19.41			
20	16QAM	1	0	19.09	19.26	19.23				
20	16QAM	1	49	19.09	19.26	19.12		20.6	0	
20	16QAM	1	99	18.98	19.25	19.02				
20	16QAM	50	0	19.36	19.24	19.18				
20	16QAM	50	24	19.42	19.30	19.28				
20	16QAM	50	50	19.25	19.34	19.18		20.6	0	
20	16QAM	100	0	19.26	19.41	19.35				
20	64QAM	1	0	19.27	19.42	19.13				
20	64QAM	1	49	19.19	19.37	19.32		20.6	0	
20	64QAM	1	99	19.09	19.36	19.21				
20	64QAM	50	0	19.25	19.36	19.36				
20	64QAM	50	24	19.29	19.38	19.12				
20	64QAM	50	50	19.25	19.34	19.24		20.6	0	
20	64QAM	100	0	19.41	19.31	19.27				
20	256QAM	1	0	19.22	19.41	19.17				
20	256QAM	1	49	19.20	19.38	19.32		20.5	0.1	
20	256QAM	1	99	19.30	19.28	19.26				
20	256QAM	50	0	19.18	19.13	19.23				
20	256QAM	50	24	19.27	19.32	19.32		20.5	0.1	
20	256QAM	50	50	19.18	19.22	19.28				
20	256QAM	100	0	19.27	19.27	19.27				
Channel				37655	38000	38175		Turn-up test (dBm)	MPE (dB)	
Frequency (MHz)				2972	2998	3017				
15	QPSK	1	0	19.28	19.28	19.28	19.33			
15	QPSK	1	37	19.16	19.11	19.14	19.04		20.6	0
15	QPSK	1	74	18.92	19.10	19.00				
15	QPSK	1	111	19.21	19.08	19.08				
15	QPSK	36	0	19.80	19.10	19.00				
15	QPSK	36	20	19.80	19.07	18.96		20.6	0	
15	QPSK	75	0	19.02	19.01	18.99				
15	16QAM	1	0	18.89	18.96	19.12				
15	16QAM	1	37	18.89	18.96	19.12				
15	16QAM	1	74	18.75	19.15	18.89				
15	16QAM	36	0	19.08	19.32	19.11				
15	16QAM	36	20	19.08	19.32	19.00		20.6	0	
15	16QAM	75	0	19.17	19.18	19.03				
15	64QAM	1	0	19.30	19.24	19.00				
15	64QAM	1	37	19.14	19.33	19.23				
15	64QAM	1	74	18.96	19.14	19.04				
15	64QAM	1	111	19.21	19.08	19.08				
15	64QAM	36	0	19.89	19.11	19.18				
15	64QAM	36	20	19.89	19.10	18.81		20.6	0	
15	64QAM	75	0	19.13	19.03	18.90				
15	64QAM	75	0	19.17	19.28	19.17				
15	256QAM	1	0	19.21	19.42	19.25				
15	256QAM	1	37	19.03	19.27	19.17				
15	256QAM	1	74	19.19	19.12	19.08		20.5	0.1	
15	256QAM	1	111	19.27	19.24	19.05				
15	256QAM	36	0	19.21	19.24	19.05				
15	256QAM	36	20	19.21	19.21	19.02		20.5	0.1	
15	256QAM	36	20	19.27	19.11	19.18				
15	256QAM	75	0	19.03	19.03	19.24				
Channel				37665	38000	38000		Turn-up test (dBm)	MPE (dB)	
Frequency (MHz)				2972	2998	3017				
5	QPSK	1	0	19.18	19.28	19.28	19.34			
5	QPSK	1	25	18.97	19.21	18.96				
5	QPSK	1	49	18.89	18.96	19.02				
5	QPSK	1	99	18.91	19.07	18.97				
5	QPSK	25	12	18.87	19.10	19.08				
5	QPSK	25	25	18.93	19.07	18.97				
5	QPSK	50	0	18.87	19.21	19.08				
5	16QAM	1	0	18.81	18.98	19.11				
5	16QAM	1	25	19.00	19.25	19.06				
5	16QAM	1	49	18.87	18.99	18.82				
5	16QAM	25	0	19.13	19.38	19.14				
5	16QAM	25	12	19.07	19.34	19.14				
5	16QAM	25	25	19.14	19.08	19.08				
5	16QAM	50	0	19.14	19.08	19.08				
5	64QAM	1	0	18.97	19.22	19.15				
5	64QAM	1	25	18.88	19.28	19.05		20.6	0	
5	64QAM	1	49	18.88	19.18	18.97				
5	64QAM	25	0	19.16	19.42	19.12				
5	64QAM	25	12	19.17	19.22	19.08		20.6	0	
5	64QAM	25	25	19.02	19.34	19.14				
5	64QAM	50	0	19.32	19.19	19.02				
5	256QAM	1	0	19.02	19.44	19.14				
5	256QAM	1	25	18.93	19.33	19.05		20.5	0.1	
5	256QAM	1	49	19.00	19.15	19.20				
5	256QAM	25	0	19.07	19.33	19.15				
5	256QAM	25	12	19.27	19.09	19.13		20.5	0.1	
5	256QAM	25	25	19.22	19.05	19.09				
5	256QAM	50	0	19.05	19.27	19.15				
Channel				37775	38000	38225		Turn-up test (dBm)	MPE (dB)	
Frequency (MHz)				2972	2998	3017				
5	QPSK	1	0	19.18	19.28	19.28	19.35			
5	QPSK	1	12	19.07	19.18	18.97		20.6	0	
5	QPSK	1	25	18.89	18.96	19.02				
5	QPSK	12	0	18.86	19.19	19.01				
5	QPSK	12	7	18.83	19.07	18.99				
5	QPSK	12	19	18.83	19.03	19.12		20.6	0	
5	QPSK	25	0	18.86	19.11	19.03				
5	16QAM	1	0	19.00	19.07	19.03				
5	16QAM	1	12	19.02	19.03	19.03				
5	16QAM	1	24	19.71	19.00	18.90				
5	16QAM	12	0	19.01	19.17	19.00				
5	16QAM	12	7	19.10	19.18	19.05				
5	16QAM	25	0	19.25	19.23	19.20				
5	64QAM	1	0	18.97	19.29	19.29				
5	64QAM	1	12	18.90	19.08	19.17		20.6	0	
5	64QAM	1	24	19.02	19.18	19.18				
5	64QAM	12	13	19.02	19.08	19.16		20.6	0	
5	64QAM	12	0	19.32	19.17	19.18				
5	256QAM	1	0	18.97	19.33	19.24				
5	256QAM	1	12	19.13	19.18	19.21				
5	256QAM	1	24	19.11	19.12	19.02				
5	256QAM	12	0	19.37	19.07	19.02				
5	256QAM	12	7	19.14	19.17	19.18				
5	256QAM	12	19	19.14	19.21	19.18				
5	256QAM	25	0	19.22	19.21	19.21				

Band 41 FCC&C DS13_Simultaneous Ant 3												
RF [MHz]	Modulation	RIS Size	RIS Offset	Power Low Ch. [mW]	Power Low Mid. [mW]	Power Mid. [mW]	Power High Mid. [mW]	Power High Ch. [mW]	Turn-up time (s/min)	MFR (dB)		
Channel												
Frequency (MHz)				39750	40185	40600	41055	41480				
20	QPSK	1	0	18.41	18.41	18.41	18.41	18.41				
20	QPSK	1	40	19.17	19.18	19.33	19.33	19.34				
20	QPSK	1	80	19.26	19.26	19.36	19.36	19.38	19.40	20.6	0	
20	QPSK	1	120	19.45	19.46	19.56	19.56	19.58				
20	QPSK	1	160	19.26	19.27	19.34	19.34	19.42				
20	QPSK	1	200	19.05	19.04	19.38	19.36	19.41				
20	QPSK	1	240	19.27	19.25	19.38	19.38	19.42				
20	16QAM	1	0	19.58	19.56	19.49	19.52	19.48				
20	16QAM	1	40	19.62	19.66	19.56	19.56	19.48				
20	16QAM	1	80	19.65	19.55	19.54	19.54	19.53				
20	16QAM	1	120	19.52	19.30	19.48	19.27	19.31				
20	16QAM	1	160	19.38	19.20	19.34	19.34	19.36				
20	16QAM	1	200	19.21	19.15	19.38	19.38	19.25				
20	16QAM	1	240	19.44	19.51	19.02	19.02	19.03				
20	16QAM	1	280	19.44	19.38	19.40	19.40	19.43				
20	16QAM	1	320	19.46	19.43	19.40	19.43	19.39				
20	16QAM	1	360	19.34	19.23	19.46	19.37	19.46				
20	16QAM	1	400	19.38	19.20	19.34	19.34	19.23				
20	16QAM	1	440	19.12	19.04	19.25	19.15	19.02				
20	16QAM	1	480	19.18	19.11	19.38	19.38	19.03				
20	16QAM	1	520	19.17	19.16	19.30	19.14	19.13				
20	256QAM	1	0	18.42	18.31	18.52	18.49	18.43				
20	256QAM	1	40	19.38	19.36	19.32	19.31	19.41				
20	256QAM	1	80	18.22	18.31	18.28	18.31	18.41				
20	256QAM	1	120	18.81	18.48	18.86	18.80	18.54				
20	256QAM	1	160	18.41	18.45	18.38	18.38	18.43				
20	256QAM	1	200	18.43	18.35	18.49	18.39	18.42				
20	256QAM	1	240	18.37	18.35	18.49	18.39	18.43				
Channel												
Frequency (MHz)				39752	40173	40600	41056	41515	Turn-up time (s/min)	MFR (dB)		
20	QPSK	1	0	18.41	18.41	18.41	18.41	18.41				
20	QPSK	1	320	19.07	19.15	19.23	19.19	19.21				
20	QPSK	1	640	19.21	19.07	19.11	19.16	19.11				
20	QPSK	1	960	19.38	19.24	19.34	19.25	19.25				
20	QPSK	1	1280	19.18	19.30	19.30	19.30	19.32				
20	QPSK	1	1600	19.05	19.20	19.22	19.22	19.02				
20	QPSK	1	1920	19.16	19.20	19.29	19.31	19.25				
20	16QAM	1	0	19.47	19.40	19.39	19.47	19.37				
20	16QAM	1	320	19.38	19.52	19.41	19.41	19.43				
20	16QAM	1	640	19.53	19.41	19.42	19.39	19.47				
20	16QAM	1	960	19.42	19.20	19.41	19.21	19.41				
20	16QAM	1	1280	19.44	19.53	19.03	19.03	19.02				
20	16QAM	1	1600	19.07	19.12	19.38	19.28	19.12				
20	16QAM	1	1920	19.32	19.46	19.47	19.27	19.31				
20	16QAM	1	2240	19.44	19.35	19.43	19.43	19.48				
20	16QAM	1	2560	19.17	19.04	19.29	19.14	19.28				
20	16QAM	1	2880	19.22	19.16	19.29	19.29	19.30				
20	16QAM	1	3200	19.34	19.20	19.34	19.32	19.25				
20	16QAM	1	3520	19.07	19.09	19.31	19.08	19.03				
20	16QAM	1	3840	19.24	19.24	19.20	19.20	19.13				
20	16QAM	1	4160	19.15	19.10	19.25	19.20	19.18				
20	256QAM	1	0	18.32	18.18	18.40	18.36	18.34				
20	256QAM	1	400	19.24	19.20	19.24	19.25	19.36				
20	256QAM	1	800	18.11	18.20	18.26	18.26	18.11				
20	256QAM	1	1200	18.50	18.46	18.46	18.46	18.43				
20	256QAM	1	1600	18.37	18.32	18.45	18.38	18.32				
20	256QAM	1	2000	18.28	18.23	18.37	18.34	18.30				
20	256QAM	1	2400	18.45	18.45	18.45	18.45	18.46				
Channel												
Frequency (MHz)				39750	40185	40600	41055	41480	Turn-up time (s/min)	MFR (dB)		
20	QPSK	1	0	19.33	19.33	19.38	19.38	19.37				
20	QPSK	1	256	19.07	19.21	19.22	19.21	19.19				
20	QPSK	1	512	19.25	19.12	19.10	19.23	19.09				
20	QPSK	1	768	19.39	19.35	19.36	19.36	19.37				
20	QPSK	25	128	19.21	19.25	19.21	19.33	19.29				
20	QPSK	25	256	19.08	19.22	19.21	19.33	19.03				
20	QPSK	1	512	19.18	19.13	19.34	19.10	19.35				
20	16QAM	1	0	19.52	19.50	19.46	19.46	19.42				
20	16QAM	1	128	19.33	19.48	19.48	19.34	19.44				
20	16QAM	1	400	19.47	19.50	19.41	19.47	19.45				
20	16QAM	25	0	19.38	19.25	19.43	19.19	19.45				
20	16QAM	25	128	19.07	19.17	19.17	19.37	19.03				
20	16QAM	25	256	19.15	19.08	19.32	19.23	19.18				
20	16QAM	25	512	19.40	19.38	19.32	19.38	19.47				
20	16QAM	1	0	19.40	19.28	19.35	19.44	19.45				
20	16QAM	1	256	19.30	19.30	19.32	19.34	19.28				
20	16QAM	25	0	19.30	19.22	19.36	19.26	19.17				
20	16QAM	25	128	19.07	19.02	19.28	19.20	19.07				
20	16QAM	25	256	19.23	19.18	19.31	19.23	19.01				
20	16QAM	1	0	19.26	19.18	19.29	19.12	19.19				
20	16QAM	1	0	19.30	19.27	19.36	19.26	19.35				
20	16QAM	1	0	19.26	19.23	19.36	19.26	19.35				
20	256QAM	1	400	18.08	18.21	18.23	18.24	18.03				
20	256QAM	1	800	18.55	18.38	18.38	18.38	18.50				
20	256QAM	25	128	18.30	18.42	18.37	18.39	18.29				
20	256QAM	25	256	18.30	18.31	18.41	18.22	18.36				
20	256QAM	25	512	18.52	18.38	18.42	18.38	18.48				
Channel												
Frequency (MHz)				39679	40148	40600	41056	41565	Turn-up time (s/min)	MFR (dB)		
5	QPSK	1	0	19.33	19.33	19.38	19.38	19.37				
5	QPSK	1	128	19.13	19.20	19.21	19.15	19.14				
5	QPSK	1	256	19.13	19.11	19.22	19.15	19.14				
5	QPSK	12	768	19.34	19.27	19.40	19.37	19.19				
5	QPSK	1	0	19.15	19.26	19.31	19.38	19.28				
5	QPSK	1	128	19.03	19.27	19.33	19.33	19.06				
5	QPSK	25	0	19.21	19.14	19.41	19.08	19.29				
5	QPSK	1	0	19.44	19.33	19.33	19.47	19.43				
5	16QAM	1	0	19.29	19.41	19.41	19.35	19.40				
5	16QAM	1	24	19.48	19.49	19.40	19.39	19.47				
5	16QAM	1	48	19.44	19.43	19.41	19.41	19.37				
5	16QAM	12	128	19.11	19.12	19.25	19.27	19.26				
5	16QAM	12	13	19.18	19.09	19.33	19.26	19.11				
5	16QAM	1	0	19.38	19.36	19.36	19.36	19.46				
5	16QAM	1	0	19.50	19.30	19.03	19.02	19.36				
5	16QAM	1	12	19.36	19.31	19.33	19.38	19.33				
5	16QAM	1	12	19.20	19.20	19.12	19.12	19.38				
5	16QAM	1	0	19.38	19.32	19.42	19.31	19.19				
5	16QAM	1	12	19.30	19.07	19.35	19.19	19.03				
5	16QAM	1	12	19.28	19.20	19.29	19.19	19.03				
5	256QAM	1	12	18.25	18.24	18.46	18.21	18.30				
5	256QAM	1	24	18.10	18.27	18.25	18.19	18.00				
5	256QAM	1	48	18.56	18.38	18.38	18.38	18.50				
5	256QAM	12	7	18.27	18.37	18.44	18.31	18.24				
5	256QAM	12	13	18.33	18.21	18.36	18.34	18.36				
5	256QAM	12	13	18.47	18.38	18.41	18.38	18.48				



Band 41 FCC&IC PC2 DSI3_Simultaneous Ant 3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.00	20.98	21.20	20.95	20.91	22.2	0		
20	QPSK	1	48	20.87	20.84	21.15	20.58	20.87				
20	QPSK	50	96	20.92	20.81	21.06	20.98	20.88				
20	QPSK	50	24	20.87	20.82	20.87	20.74	20.74				
20	QPSK	50	24	20.51	20.60	20.71	20.75	20.57	22.2	0		
20	QPSK	50	48	20.63	20.53	20.67	20.46	20.46				
20	QPSK	100	0	20.55	20.64	20.90	20.73	20.64				
20	16QAM	1	0	20.96	20.99	21.14	21.00	20.86				
20	16QAM	50	24	20.65	20.76	20.80	20.64	20.70	22.2	0		
20	16QAM	1	96	20.78	20.84	20.94	20.84	20.72				
20	16QAM	50	50	20.69	20.79	20.90	20.72	20.73				
20	16QAM	50	50	20.60	20.63	20.73	20.60	20.58				
20	16QAM	100	0	20.63	20.73	20.86	20.72	20.69	22.2	0		
20	64QAM	1	0	20.82	20.86	20.96	20.82	20.77				
20	64QAM	1	48	20.88	20.86	20.96	20.82	20.77				
20	64QAM	1	96	20.94	20.81	20.92	20.71	20.74				
20	64QAM	50	0	20.70	20.68	20.76	20.52	20.83	22.2	0		
20	64QAM	50	24	20.62	20.76	20.89	20.75	20.64				
20	64QAM	50	50	20.65	20.60	20.77	20.70	20.58				
20	64QAM	100	0	20.78	20.80	20.86	20.81	20.58				
20	256QAM	1	0	20.78	20.86	21.02	20.82	20.69	22.2	0		
20	256QAM	1	0	20.83	20.85	20.99	20.87	20.73				
20	256QAM	1	96	20.66	20.82	20.82	20.76	20.70				
20	256QAM	50	0	20.71	20.69	20.76	20.69	20.63				
20	256QAM	50	24	20.68	20.71	20.88	20.79	20.67	22.2	0		
20	256QAM	50	50	20.53	20.61	20.78	20.70	20.58				
20	256QAM	100	0	20.72	20.84	20.95	20.74	20.54				
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.81	20.85	21.03	20.92	20.82			22	0
15	QPSK	1	37	20.85	20.81	21.07	20.88	20.85				
15	QPSK	1	74	20.87	20.79	20.96	20.88	20.73				
15	QPSK	36	0	20.87	20.74	20.77	20.72	20.81				
15	QPSK	36	20	20.42	20.57	20.63	20.62	20.44	22.2	0		
15	QPSK	36	36	20.51	20.48	20.66	20.69	20.67				
15	QPSK	75	0	20.61	20.60	20.77	20.64	20.67				
15	16QAM	1	0	20.92	20.87	21.09	20.92	20.83				
15	16QAM	1	37	20.91	20.81	21.06	20.99	20.83	22.2	0		
15	16QAM	1	74	20.71	20.71	20.87	20.75	20.67				
15	16QAM	36	0	20.67	20.75	20.83	20.69	20.70				
15	16QAM	36	20	20.52	20.67	20.86	20.60	20.44				
15	16QAM	36	36	20.50	20.57	20.86	20.60	20.44	22.2	0		
15	16QAM	75	0	20.58	20.64	20.75	20.69	20.60				
15	64QAM	1	0	20.75	20.83	20.93	20.79	20.64				
15	64QAM	1	37	20.80	20.77	20.87	20.79	20.63				
15	64QAM	1	74	20.59	20.75	20.73	20.67	20.60	22.2	0		
15	64QAM	36	0	20.69	20.86	20.93	20.88	20.70				
15	64QAM	36	20	20.55	20.67	20.86	20.72	20.54				
15	64QAM	75	0	20.44	20.53	20.61	20.51	20.45				
15	64QAM	75	0	20.63	20.69	20.82	20.75	20.45	22.2	0		
15	256QAM	1	0	20.71	20.73	20.89	20.78	20.58				
15	256QAM	1	37	20.70	20.73	20.83	20.75	20.67				
15	256QAM	1	74	20.52	20.79	20.71	20.69	20.63				
15	256QAM	36	0	20.64	20.67	20.86	20.85	20.79	22.2	0		
15	256QAM	36	20	20.67	20.65	20.78	20.69	20.65				
15	256QAM	36	36	20.45	20.51	20.65	20.65	20.40				
15	256QAM	75	0	20.59	20.76	20.72	20.73	20.50				
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.80	20.81	21.11	20.87	20.88	22	0		
10	QPSK	1	25	20.91	20.75	21.03	20.93	20.92				
10	QPSK	1	48	20.81	20.87	20.93	20.89	20.75				
10	QPSK	25	6	20.63	20.74	20.84	20.66	20.64				
10	QPSK	25	12	20.44	20.49	20.63	20.69	20.51	22.2	0		
10	QPSK	25	25	20.61	20.45	20.55	20.61	20.37				
10	QPSK	25	37	20.45	20.52	20.78	20.67	20.51				
10	16QAM	1	0	20.88	20.90	21.05	20.81	20.78				
10	16QAM	1	25	20.80	20.84	20.98	20.83	20.85	22.2	0		
10	16QAM	1	48	20.72	20.78	20.83	20.71	20.68				
10	16QAM	25	0	20.56	20.74	20.69	20.59	20.64				
10	16QAM	25	12	20.45	20.65	20.71	20.52	20.67				
10	16QAM	25	25	20.61	20.63	20.71	20.65	20.46	22.2	0		
10	16QAM	50	0	20.58	20.61	20.82	20.61	20.55				
10	64QAM	1	0	20.72	20.82	20.87	20.67	20.66				
10	64QAM	1	25	20.80	20.83	20.92	20.70	20.67				
10	64QAM	1	48	20.56	20.76	20.73	20.67	20.63	22.2	0		
10	64QAM	25	0	20.60	20.77	20.84	20.62	20.78				
10	64QAM	25	12	20.56	20.64	20.84	20.71	20.56				
10	64QAM	25	25	20.48	20.53	20.72	20.58	20.54				
10	256QAM	1	0	20.61	20.74	20.80	20.75	20.50	22.2	0		
10	256QAM	1	0	20.70	20.81	20.92	20.83	20.58				
10	256QAM	1	25	20.72	20.72	20.89	20.79	20.69				
10	256QAM	1	48	20.58	20.72	20.75	20.66	20.62				
10	256QAM	25	0	20.57	20.86	20.82	20.50	20.74	22.2	0		
10	256QAM	25	12	20.60	20.60	20.86	20.73	20.54				
10	256QAM	25	25	20.45	20.54	20.64	20.50	20.45				
10	256QAM	50	0	20.61	20.75	20.77	20.70	20.43				
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.62	20.67	21.14	20.62	20.61	22	0		
5	QPSK	1	16	20.65	20.75	21.09	20.84	20.95				
5	QPSK	1	24	20.52	20.86	20.99	20.89	20.69				
5	QPSK	12	0	20.69	20.74	20.75	20.64	20.70				
5	QPSK	12	7	20.41	20.64	20.58	20.69	20.50	22.2	0		
5	QPSK	12	19	20.52	20.53	20.59	20.52	20.34				
5	QPSK	25	0	20.43	20.52	20.78	20.64	20.56				
5	16QAM	1	0	20.83	20.84	21.08	20.93	20.77				
5	16QAM	1	12	20.82	20.84	20.96	20.91	20.60	22.2	0		
5	16QAM	1	24	20.72	20.72	20.90	20.81	20.62				
5	16QAM	12	0	20.56	20.67	20.82	20.70	20.67				
5	16QAM	12	7	20.43	20.71	20.70	20.60	20.60				
5	16QAM	12	13	20.54	20.63	20.87	20.64	20.48	22.2	0		
5	16QAM	25	0	20.50	20.60	20.84	20.68	20.58				
5	64QAM	1	0	20.70	20.82	20.89	20.62	20.60				
5	64QAM	1	12	20.79	20.75	20.87	20.79	20.70				
5	64QAM	1	24	20.61	20.71	20.70	20.67	20.71	22.2	0		
5	64QAM	12	0	20.58	20.80	20.89	20.60	20.71				
5	64QAM	12	7	20.68	20.62	20.84	20.66	20.62				
5	64QAM	12	13	20.48	20.60	20.84	20.68	20.58				
5	64QAM	25	0	20.71	20.60	20.81	20.73	20.44	22.2	0		
5	256QAM	1	0	20.70	20.72	20.93	20.83	20.57				
5	256QAM	1	12	20.77	20.82	20.91	20.78	20.67				
5	256QAM	1	24	20.68	20.74	20.76	20.64	20.59				
5	256QAM	12	0	20.66	20.77	20.83	20.80	20.71	22.2	0		
5	256QAM	12	7	20.53	20.58	20.79	20.73	20.60				
5	256QAM	12	13	20.43	20.52	20.73	20.60	20.46				
5	256QAM	25	0	20.63	20.71	20.79	20.70	20.43				



Reduced Power Mode for DSIS-Standalone

Default Mode		Power		Power		Power		Power	
Channel	Power	Power	Power	Power	Power	Power	Power	Power	Power
TX Channel	128	180	201	Limit	128	180	201	Limit	Limit
Frequency (MHz)	804.2	804.2	804.2	(dBm)	804.2	804.2	804.2	(dBm)	(dBm)
OPRR-1 Tx Mode	32.90	32.97	32.94	33.50	23.80	23.97	23.84	24.50	
OPRR-2 Tx Mode	32.83	32.90	32.87	33.50	23.83	23.94	23.91	24.50	
OPRR-3 Tx Mode	29.30	29.41	29.28	30.50	23.30	23.41	23.28	24.50	
OPRR-4 Tx Mode	28.91	29.05	28.86	30.00	23.81	24.12	24.00	25.16	
EDGE-1 Tx Mode	25.41	25.41	25.40	27.50	23.41	23.41	23.40	24.50	
EDGE-2 Tx Mode	25.40	25.40	25.37	26.50	19.42	19.46	19.37	17.50	
EDGE-3 Tx Mode	23.77	23.80	23.79	20.00	17.77	17.80	17.79	19.50	
EDGE-4 Tx Mode	22.86	22.89	22.82	23.50	18.40	18.43	18.36	19.24	
EDGE-5 Tx Mode	20.50	20.51	20.50	21.50	17.50	17.53	17.46	18.00	
Default		Default		Default		Default		Default	
TX Channel	512	960	960	Limit	512	960	960	Limit	Limit
Frequency (MHz)	875.2	875.2	875.2	(dBm)	875.2	875.2	875.2	(dBm)	(dBm)
OPRR-1 Tx Mode	27.41	27.48	27.37	28.50	18.41	18.50	18.33	19.50	
OPRR-2 Tx Mode	27.34	27.41	27.38	28.50	18.34	18.43	18.36	19.50	
OPRR-3 Tx Mode	24.84	24.84	24.83	26.50	18.34	18.34	18.33	20.00	
OPRR-4 Tx Mode	23.33	23.33	23.33	24.50	19.07	19.11	19.07	20.04	
OPRR-5 Tx Mode	20.70	20.70	20.68	21.50	17.70	17.75	17.68	18.50	
EDGE-1 Tx Mode	22.70	22.87	22.73	23.50	19.70	19.87	19.73	14.50	
EDGE-2 Tx Mode	21.00	21.10	21.11	22.00	18.00	18.09	18.11	18.00	
EDGE-3 Tx Mode	20.00	20.12	20.04	21.00	15.41	15.50	15.70	16.74	
EDGE-4 Tx Mode	17.86	18.00	18.04	18.00	14.96	15.09	15.04	18.00	
Default WCDMA V-Air		Default WCDMA V-Air		Default WCDMA V-Air		Default WCDMA V-Air		Default WCDMA V-Air	
Base	900	900	900	Limit	900	900	900	Limit	Limit
TX Channel	900	900	900	Limit	900	900	900	Limit	Limit
Frequency (MHz)	1800.4	1800	1800.4	(dBm)	1710.4	1710.4	1710.4	(dBm)	(dBm)
SCPP-Pair	22.07	22.08	22.03	21.70	20.70	20.47	20.70	21.00	21.43
SCPP-Pair	20.82	20.82	20.82	21.70	20.45	20.51	20.41	21.00	22.45
SCPP-Pair	19.72	19.75	19.70	20.70	19.59	19.66	19.50	20.50	21.55
SCPP-Pair	19.08	19.71	19.65	20.70	19.00	19.50	19.50	21.00	21.54
SCPP-Pair	19.19	19.20	19.21	20.20	19.00	19.11	19.08	20.00	21.61
SCPP-Pair	19.15	19.15	19.21	20.20	19.00	19.15	19.00	20.00	21.24
SCPP-Pair	19.70	19.80	19.84	20.70	19.54	19.68	19.48	20.50	21.55
SCPP-Pair	19.08	19.08	19.08	20.70	19.00	19.00	19.00	20.00	21.72
SCPP-Pair	19.08	19.12	19.05	20.20	19.02	19.03	19.00	20.00	20.95
SCPP-Pair	19.02	19.15	19.12	20.20	19.00	19.00	19.01	20.00	20.89
SCPP-Pair	19.06	19.71	19.70	20.70	19.05	19.03	19.01	20.00	21.61
SCPP-Pair	17.71	17.70	17.64	18.70	17.64	17.60	17.61	18.50	19.87
SCPP-Pair	19.60	19.71	19.70	20.70	19.52	19.58	19.58	20.50	20.50
SCPP-Pair	17.81	17.80	17.87	18.70	17.44	17.51	17.48	18.50	19.40
SCPP-Pair	19.04	19.00	19.02	20.70	19.53	19.48	19.38	20.00	21.55



Band 2 Default Ant0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Mid Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (sec)	MFR (dB)				
Channel												
Frequency [MHz]												
20	QPSK	1	0	23.11	23.16	23.07			24	0		
20	QPSK	1	49	23.03	23.13	22.98						
20	QPSK	1	99	22.99	23.07	22.97						
20	QPSK	50	0	22.98	23.13	23.05			24	0		
20	QPSK	50	24	23.04	23.04	22.96						
20	QPSK	50	50	22.92	23.04	22.96						
20	QPSK	100	0	22.99	23.05	22.91			24	0		
20	QPSK	100	50	22.95	23.02	22.98						
20	16QAM	1	49	22.85	22.98	22.90			24	0		
20	16QAM	1	99	22.70	22.85	22.80						
20	16QAM	1	99	22.52	22.62	22.54			23.5	0.5		
20	16QAM	50	24	22.34	22.48	22.34						
20	16QAM	50	50	22.26	22.42	22.27			23.5	0.5		
20	16QAM	100	0	22.39	22.52	22.47						
20	64QAM	1	0	22.72	22.82	22.72			23.5	0.5		
20	64QAM	1	49	22.68	22.75	22.67						
20	64QAM	1	99	22.50	22.55	22.46			22.5	1.5		
20	64QAM	50	0	21.84	21.71	21.56						
20	64QAM	50	24	21.46	21.55	21.50			22.5	1.5		
20	64QAM	50	50	21.42	21.46	21.35						
20	64QAM	100	0	21.43	21.52	21.38			20.5	3.5		
20	256QAM	1	49	19.80	19.85	19.80						
20	256QAM	1	99	19.66	19.62	19.57			20.5	3.5		
20	256QAM	50	24	19.80	19.73	19.63						
20	256QAM	50	50	19.70	19.61	19.78			20.5	3.5		
20	256QAM	100	0	19.67	19.60	19.67						
Channel												
Frequency [MHz]												
15	QPSK	1	0	23.03	23.10	22.99			24	0		
15	QPSK	1	49	22.79	22.80	22.82						
15	QPSK	1	74	22.91	22.85	22.80			24	0		
15	QPSK	36	0	22.87	22.90	22.90						
15	QPSK	36	36	22.81	22.84	22.87			24	0		
15	QPSK	36	39	22.87	22.92	22.82						
15	QPSK	75	0	22.91	22.96	22.89			24	0		
15	16QAM	1	99	22.90	22.92	22.79						
15	16QAM	1	37	22.77	22.86	22.83			24	0		
15	16QAM	36	0	22.58	22.63	22.57						
15	16QAM	36	0	22.50	22.55	22.45			23.5	0.5		
15	16QAM	36	20	22.21	22.37	22.26						
15	64QAM	1	0	22.67	22.68	22.59			23.5	0.5		
15	64QAM	1	99	22.58	22.62	22.54						
15	64QAM	1	74	22.42	22.45	22.34			23.5	0.5		
15	64QAM	36	0	21.58	21.67	21.49						
15	64QAM	36	36	21.56	21.58	21.43			22.5	1.5		
15	64QAM	36	39	21.25	21.25	21.23						
15	64QAM	75	0	21.38	21.37	21.29			20.5	3.5		
15	256QAM	1	37	19.69	19.62	19.77						
15	256QAM	1	74	19.42	19.51	19.42			20.5	3.5		
15	256QAM	36	0	19.66	19.63	19.60						
15	256QAM	36	39	19.68	19.65	19.50			20.5	3.5		
15	256QAM	36	39	19.66	19.73	19.67						
15	256QAM	75	0	19.61	19.58	19.61			20.5	3.5		
Channel												
Frequency [MHz]												
10	QPSK	1	0	22.87	22.88	22.81			24	0		
10	QPSK	1	25	22.87	22.88	22.81						
10	QPSK	1	49	22.92	22.94	22.82			24	0		
10	QPSK	1	74	22.81	22.85	22.84						
10	QPSK	12	0	22.81	23.00	22.94			24	0		
10	QPSK	25	25	22.80	22.89	22.89						
10	QPSK	1	0	22.88	22.90	22.88			24	0		
10	16QAM	1	25	22.79	22.81	22.85						
10	16QAM	1	49	22.58	22.62	22.57			23.5	0.5		
10	16QAM	25	0	22.48	22.51	22.42						
10	16QAM	25	12	22.20	22.24	22.20			23.5	0.5		
10	16QAM	25	12	22.28	22.27	22.16						
10	16QAM	50	0	22.28	22.44	22.37			23.5	0.5		
10	16QAM	1	0	22.60	22.76	22.69						
10	64QAM	1	0	22.58	22.64	22.55			22.5	1.5		
10	64QAM	1	49	22.43	22.45	22.32						
10	64QAM	25	0	21.56	21.65	21.45			22.5	1.5		
10	64QAM	25	12	21.33	21.45	21.35						
10	64QAM	25	25	21.38	21.38	21.24			22.5	1.5		
10	64QAM	50	0	21.31	21.35	21.27						
10	256QAM	1	25	19.58	19.55	19.57			20.5	3.5		
10	256QAM	1	25	19.77	19.62	19.68						
10	256QAM	1	49	19.62	19.50	19.53			20.5	3.5		
10	256QAM	25	12	19.46	19.61	19.51						
10	256QAM	25	25	19.63	19.71	19.66			20.5	3.5		
10	256QAM	50	0	19.62	19.66	19.61						
Channel												
Frequency [MHz]												
5	QPSK	1	0	23.01	23.02	22.96			24	0		
5	QPSK	1	8	22.88	22.91	22.86						
5	QPSK	1	14	22.90	22.95	22.83			24	0		
5	QPSK	1	24	22.91	22.95	22.88						
5	QPSK	8	4	22.83	23.04	22.92			24	0		
5	QPSK	8	7	22.86	22.96	22.83						
5	QPSK	15	0	22.87	22.95	22.80			24	0		
5	16QAM	1	0	22.85	22.88	22.83						
5	16QAM	1	8	22.71	22.87	22.78			24	0		
5	16QAM	1	14	22.58	22.74	22.65						
5	16QAM	8	0	22.41	22.57	22.40			23.5	0.5		
5	16QAM	8	4	22.23	22.41	22.24						
5	64QAM	1	0	22.69	22.77	22.69			23.5	0.5		
5	64QAM	1	0	22.55	22.67	22.54						
5	64QAM	1	14	22.42	22.43	22.38			23.5	0.5		
5	64QAM	8	0	21.58	21.59	21.52						
5	64QAM	8	0	21.50	21.45	21.35			22.5	1.5		
5	64QAM	8	7	21.34	21.33	21.27						
5	256QAM	1	0	19.77	19.76	19.69			20.5	3.5		
5	256QAM	1	8	19.78	19.79	19.65						
5	256QAM	8	0	19.62	19.68	19.60			20.5	3.5		
5	256QAM	8	4	19.60	19.68	19.59						
5	256QAM	15	0	19.63	19.70	19.59			20.5	3.5		
Channel												
Frequency [MHz]												
1.4	QPSK	1	0	23.04	23.11	23.01			24	0		
1.4	QPSK	1	5	22.83	22.95	22.74						
1.4	QPSK	1	5	22.86	22.99	22.85			24	0		
1.4	QPSK	3	0	22.85	23.08	22.81						
1.4	QPSK	3	1	22.85	23.04	22.84			24	0		
1.4	QPSK	3	0	22.78	22.94	22.88						
1.4	16QAM	1	0	22.84	23.00	22.80			24	0		
1.4	16QAM	1	0	22.80	22.93	22.87						
1.4	16QAM	1	21.5	22.85	22.93	22.90			24	0		
1.4	16QAM	3	0	22.83	22.95	22.79						
1.4	16QAM	3	0	22.78	22.94	22.86			23.5	0.5		
1.4	16QAM	3	0	22.61	22.77	22.63						
1.4	16QAM	6	0	22.51	22.52	22.43			23.5	0.5		
1.4	16QAM	6	0	22.21	22.32	22.21						
1.4	16QAM	6	0	22.25	22.45	22.24			23.5	0.5		
1.4	16QAM	3	1	22.58	22.77	22.63						
1.4	64QAM	1	0	22.60	22.67	22.52			22.5	1.5		
1.4	64QAM	1	0	22.56	22.62	22.50						
1.4	64QAM	3	0	21.53	21.61	21.43			22.5	1.5		
1.4	64QAM	3	0	21.50	21.53	21.43						
1.4	256QAM	1	0	19.76	19.83	19.76			20.5	3.5		
1.4	256QAM	1	0	19.77	19.86	19.76						
1.4	256QAM	1	5	19.67	19.65	19.67			20.5	3.5		
1.4	256QAM	3	0	19.67	19.75	19.67						
1.4	256QAM	3	3	19.62	19.75	19.72			20.5	3.5		
Channel												
Frequency [MHz]												



Band 12 Default Ant0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int. (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.84	22.82	22.79	24	0						
10	QPSK	1	25	22.78	22.81	22.84								
10	QPSK	1	49	22.80	22.88	22.82								
10	QPSK	25	0	22.83	22.82	22.72								
10	QPSK	25	12	22.80	22.88	22.81	24	0						
10	QPSK	25	25	22.86	22.80	22.83								
10	QPSK	50	0	22.85	22.77	22.82								
10	16QAM	1	0	22.84	22.72	22.80								
10	16QAM	1	25	22.84	22.89	22.88	24	0						
10	16QAM	1	49	22.84	22.85	22.86								
10	16QAM	25	0	22.85	22.81	22.84								
10	16QAM	25	12	22.82	22.43	22.28								
10	16QAM	25	25	22.80	22.85	22.86	23.5	0.5						
10	16QAM	50	0	22.87	22.47	22.28								
10	64QAM	1	0	22.28	22.41	22.29								
10	64QAM	1	25	22.14	22.25	22.19								
10	64QAM	1	49	22.10	22.22	22.16	22.5	1.5						
10	64QAM	25	0	21.54	21.67	21.50								
10	64QAM	25	12	21.44	21.58	21.51								
10	64QAM	25	25	21.38	21.44	21.44								
10	64QAM	50	0	21.43	21.54	21.41	20.5	3.5						
10	256QAM	1	25	19.33	19.40	19.38								
10	256QAM	1	49	19.30	19.33	19.28								
10	256QAM	25	0	19.35	19.31	19.41								
10	256QAM	25	12	19.29	19.34	19.30	20.5	3.5						
10	256QAM	25	25	19.20	19.33	19.22								
10	256QAM	50	0	19.20	19.25	19.26								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.77	22.88	22.74	24	0						
5	QPSK	1	12	22.83	22.80	22.86								
5	QPSK	1	24	22.47	22.54	22.47								
5	QPSK	12	0	22.80	22.75	22.88								
5	QPSK	12	13	22.48	22.85	22.51	24	0						
5	QPSK	12	13	22.83	22.48	22.51								
5	QPSK	25	0	22.86	22.80	22.81								
5	16QAM	1	0	22.42	22.82	22.48								
5	16QAM	1	12	22.52	22.48	22.47	24	0						
5	16QAM	1	24	22.33	22.82	22.36								
5	16QAM	12	0	22.30	22.47	22.28								
5	16QAM	12	7	22.28	22.33	22.19								
5	16QAM	25	0	22.31	22.34	22.19	23.5	0.5						
5	64QAM	1	0	22.15	22.30	22.22								
5	64QAM	1	12	22.16	22.32	22.19								
5	64QAM	1	24	21.96	22.07	22.07								
5	64QAM	12	0	21.48	21.63	21.41	22.5	1.5						
5	64QAM	12	7	21.63	21.60	21.47								
5	64QAM	12	13	21.20	21.32	21.33								
5	64QAM	25	0	21.33	21.48	21.34								
5	256QAM	1	0	19.25	19.31	19.26	20.5	3.5						
5	256QAM	1	12	19.21	19.37	19.29								
5	256QAM	1	24	19.17	19.25	19.18								
5	256QAM	12	0	19.16	19.21	19.26								
5	256QAM	12	7	19.22	19.27	19.27	20.5	3.5						
5	256QAM	12	7	19.08	19.22	19.07								
5	256QAM	12	13	19.07	19.21	19.11								
5	256QAM	25	0	19.13	19.31	19.12								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.75	22.81	22.72	24	0						
3	QPSK	1	8	22.70	22.78	22.80								
3	QPSK	1	16	22.83	22.80	22.86								
3	QPSK	8	0	22.49	22.79	22.57								
3	QPSK	8	4	22.51	22.61	22.48	24	0						
3	QPSK	8	4	22.49	22.49	22.57								
3	16QAM	1	0	22.54	22.73	22.48								
3	16QAM	1	0	22.39	22.59	22.47								
3	16QAM	1	8	22.48	22.48	22.48	23.5	0.5						
3	16QAM	8	0	22.38	22.44	22.36								
3	16QAM	8	4	22.26	22.44	22.28								
3	16QAM	8	7	22.22	22.32	22.20								
3	16QAM	15	0	22.23	22.35	22.19	22.5	1.5						
3	64QAM	1	0	22.23	22.28	22.17								
3	64QAM	1	8	22.02	22.10	22.06								
3	64QAM	1	14	22.02	22.10	22.04								
3	64QAM	8	0	21.45	21.61	21.40	20.5	3.5						
3	64QAM	8	4	21.40	21.48	21.37								
3	64QAM	8	7	21.38	21.38	21.33								
3	64QAM	15	0	21.37	21.50	21.31								
3	256QAM	1	0	19.28	19.41	19.36	20.5	3.5						
3	256QAM	1	8	19.26	19.31	19.24								
3	256QAM	1	14	19.23	19.30	19.21								
3	256QAM	8	0	19.15	19.46	19.26								
3	256QAM	8	4	19.18	19.20	19.18	20.5	3.5						
3	256QAM	8	7	19.08	19.22	19.07								
3	256QAM	15	0	19.18	19.40	19.14								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.75	22.83	22.75	24	0						
1.4	QPSK	1	3	22.85	22.81	22.81								
1.4	QPSK	1	5	22.48	22.67	22.63								
1.4	QPSK	3	0	22.60	22.67	22.67								
1.4	QPSK	3	1	22.64	22.65	22.66	24	0						
1.4	QPSK	3	1	22.44	22.64	22.67								
1.4	16QAM	1	0	22.63	22.73	22.16								
1.4	16QAM	1	0	22.60	22.62	22.66								
1.4	16QAM	1	3	22.49	22.46	22.60	23.5	0.5						
1.4	16QAM	1	5	22.40	22.46	22.43								
1.4	16QAM	3	0	22.47	22.60	22.66								
1.4	16QAM	3	1	22.49	22.46	22.47								
1.4	16QAM	3	3	22.37	22.48	22.40	22.5	1.5						
1.4	16QAM	6	0	22.17	22.30	22.14								
1.4	64QAM	1	0	22.33	22.41	22.29								
1.4	64QAM	1	3	22.22	22.49	22.17								
1.4	64QAM	3	0	22.05	22.21	22.09	20.5	3.5						
1.4	64QAM	3	3	21.99	22.18	22.05								
1.4	64QAM	3	3	22.22	22.28	22.16								
1.4	64QAM	6	0	21.48	21.60	21.41								
1.4	256QAM	1	0	19.29	19.47	19.30	20.5	3.5						
1.4	256QAM	1	3	19.21	19.31	19.24								
1.4	256QAM	3	0	19.18	19.37	19.34								
1.4	256QAM	3	1	19.16	19.21	19.24								
1.4	256QAM	6	0	19.17	19.35	19.18	20.5	3.5						
1.4	256QAM	6	0	19.15	19.21	19.09								
1.4	256QAM	6	3	19.15	19.35	19.34								
1.4	256QAM	6	6	19.15	19.35	19.34								



Band 25 Default Ant0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.16	23.21	23.18			24	0		
20	QPSK	1	48	23.03	23.03	23.09						
20	QPSK	1	96	22.97	23.03	23.03						
20	QPSK	50	0	23.00	23.15	23.06						
20	QPSK	50	24	22.95	23.03	23.06						
20	QPSK	50	50	22.88	22.99	22.86						
20	QPSK	100	0	22.91	23.03	22.92						
20	16QAM	1	0	22.96	23.09	22.91						
20	16QAM	1	48	22.94	22.99	22.95						
20	16QAM	1	96	22.81	22.87	22.80						
20	16QAM	50	0	22.79	22.93	22.83						
20	16QAM	50	24	22.75	22.89	22.75						
20	16QAM	50	50	22.61	22.72	22.70						
20	16QAM	100	0	22.52	22.66	22.61						
20	64QAM	1	0	22.86	23.05	22.91						
20	64QAM	1	48	22.79	22.95	22.87						
20	64QAM	50	0	21.82	21.95	21.79						
20	64QAM	50	24	21.78	21.79	21.74						
20	64QAM	50	50	21.73	21.82	21.72						
20	64QAM	100	0	21.69	21.86	21.84						
20	256QAM	1	0	19.79	19.93	19.83						
20	256QAM	1	96	19.77	19.85	19.78						
20	256QAM	50	0	19.67	19.83	19.87						
20	256QAM	50	24	19.77	19.90	19.74						
20	256QAM	50	50	19.70	19.74	19.71						
20	256QAM	100	0	19.62	19.74	19.68						
Channel												
Frequency (MHz)												
16	QPSK	1	0	23.09	23.13	23.04					24	0
16	QPSK	1	24	22.99	22.99	23.00						
16	QPSK	1	74	22.84	22.90	22.87						
16	QPSK	36	0	22.94	23.01	22.95						
16	QPSK	36	20	22.82	22.90	22.88						
16	QPSK	36	36	22.84	22.90	22.75						
16	QPSK	75	0	22.77	22.86	22.79						
16	16QAM	1	0	22.92	23.04	22.84						
16	16QAM	1	37	22.81	22.87	22.85						
16	16QAM	1	74	22.70	22.77	22.75						
16	16QAM	36	0	22.70	22.81	22.75						
16	16QAM	36	20	22.68	22.68	22.62						
16	16QAM	36	20	22.68	22.68	22.62						
16	16QAM	75	0	22.49	22.53	22.50						
16	64QAM	1	0	22.74	22.90	22.77						
16	64QAM	1	48	22.70	22.88	22.82						
16	64QAM	1	74	22.70	22.68	22.67						
16	64QAM	36	0	21.74	21.85	21.85						
16	64QAM	36	20	21.72	21.84	21.84						
16	64QAM	36	99	21.68	21.79	21.59						
16	64QAM	75	0	21.65	21.84	21.80						
16	256QAM	1	0	19.75	19.86	19.85						
16	256QAM	1	37	19.75	19.79	19.79						
16	256QAM	1	74	19.67	19.70	19.73						
16	256QAM	36	0	19.78	19.83	19.87						
16	256QAM	36	20	19.69	19.87	19.80						
16	256QAM	36	36	19.57	19.70	19.61						
16	256QAM	75	0	19.63	19.86	19.82						
Channel												
Frequency (MHz)												
16	QPSK	1	0	23.03	23.07	23.00			24	0		
16	QPSK	1	24	22.94	22.92	22.98						
16	QPSK	1	48	22.90	22.95	22.90						
16	QPSK	1	74	22.86	22.94	22.89						
16	QPSK	25	12	22.87	22.89	22.83						
16	QPSK	25	25	22.84	22.85	22.71						
16	16QAM	1	0	22.90	22.95	22.83						
16	16QAM	1	24	22.81	22.91	22.88						
16	16QAM	25	0	22.68	22.68	22.68						
16	16QAM	25	12	22.62	22.68	22.67						
16	16QAM	25	25	22.52	22.67	22.67						
16	16QAM	50	0	22.57	22.60	22.54						
16	64QAM	1	0	22.62	22.91	22.85						
16	64QAM	1	24	22.64	22.88	22.76						
16	64QAM	1	48	22.72	22.76	22.71						
16	64QAM	25	0	21.79	21.84	21.68						
16	64QAM	25	12	21.74	21.79	21.64						
16	64QAM	25	25	21.68	21.77	21.61						
16	64QAM	50	0	21.62	21.66	21.52						
16	256QAM	1	0	19.68	19.84	19.81						
16	256QAM	1	24	19.88	19.75	19.72						
16	256QAM	1	48	19.74	19.73	19.68						
16	256QAM	25	0	19.62	19.87	19.80						
16	256QAM	25	12	19.71	19.83	19.88						
16	256QAM	25	25	19.65	19.61	19.60						
16	256QAM	50	0	19.55	19.67	19.53						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.13	23.17	23.10			24	0		
5	QPSK	1	12	22.95	22.92	23.03						
5	QPSK	1	24	22.86	22.90	22.85						
5	QPSK	12	0	22.86	23.04	22.86						
5	QPSK	12	7	22.88	23.00	22.84						
5	QPSK	12	13	22.77	22.88	22.79						
5	QPSK	24	0	22.77	22.91	22.86						
5	16QAM	1	0	22.88	23.04	22.88						
5	16QAM	1	12	22.88	22.90	22.87						
5	16QAM	1	24	22.67	22.77	22.73						
5	16QAM	12	0	22.70	22.84	22.73						
5	16QAM	12	13	22.60	22.60	22.56						
5	16QAM	25	0	22.55	22.62	22.51						
5	64QAM	1	0	22.79	22.95	22.88						
5	64QAM	1	12	22.71	22.92	22.81						
5	64QAM	1	24	22.65	22.69	22.76						
5	64QAM	12	0	21.78	21.84	21.70						
5	64QAM	12	13	21.70	21.66	21.70						
5	64QAM	12	13	21.68	21.79	21.68						
5	64QAM	25	0	21.60	21.54	21.60						
5	256QAM	1	0	19.75	19.86	19.88						
5	256QAM	1	12	19.71	19.82	19.75						
5	256QAM	1	24	19.68	19.75	19.74						
5	256QAM	12	0	19.76	19.86	19.84						
5	256QAM	12	13	19.61	19.84	19.84						
5	256QAM	25	0	19.57	19.84	19.54						
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.02	23.15	23.13			24	0		
3	QPSK	1	8	22.98	22.95	22.96						
3	QPSK	1	14	22.94	22.93	22.99						
3	QPSK	8	0	22.94	23.05	22.96						
3	QPSK	8	4	22.80	22.87	22.81						
3	QPSK	8	7	22.75	22.84	22.78						
3	QPSK	15	0	22.83	22.96	22.85						
3	16QAM	1	0	22.84	23.02	22.85						
3	16QAM	1	8	22.89	22.86	22.87						
3	16QAM	1	14	22.77	22.75	22.69						
3	16QAM	8	0	22.66	22.67	22.79						
3	16QAM	8	4	22.65	22.65	22.67						
3	16QAM	15	0	22.57	22.68	22.60						
3	16QAM	15	0	22.48	22.60	22.53						
3	64QAM	1	0	22.76	22.92	22.80						
3	64QAM	1	8	22.68	22.81	22.76						
3	64QAM	1	14	22.65	22.72	22.69						
3	64QAM	8	0	21.76	21.87	21.84						
3	64QAM	8	7	21.67	21.68	21.62						
3	64QAM	8	7	21.61	21.74	21.57						
3	256QAM	1	0	19.69	19.86	19.87						
3	256QAM	1	14	19.63	19.72	19.67						
3	256QAM	1	14	19.57	19.73	19.72						
3	256QAM	8	0	19.65	19.83	19.83						
3	256QAM	8	7	19.62	19.71	19.65						
3	256QAM	8	7	19.53	19.63	19.57						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.12	23.12	23.10			24	0		
1.4	QPSK	1	8	22.98	22.91	23.06						
1.4	QPSK	1	5	22.93	23.03	23.05						
1.4	QPSK	1	14	22.86	22.92	22.88						
1.4	QPSK	3	0	22.81	22.97	22.82						
1.4	16QAM	1	0	22.91	23.04	22.91						
1.4	16QAM	1	8	22.86	23.00	22.83						
1.4	16QAM	3	0	22.86	23.04	22.83						
1.4	16QAM	3	8	22.85	22.95	22.84						
1.4	16QAM	3	15	22.72	22.82	22.75						
1.4	64QAM	1	0	22.70	22.87	22.80						
1.4	64QAM	1	8	22.57	22.62	22.57						
1.4	64QAM	1	15	22.41	22.47	22.47						
1.4	64QAM	3	0	22.60	22.68	22.67						
1.4	64QAM	3	8	22.58	22.68	22.63						
1.4	64QAM	3	15	21.86	21.91	21.70						
1.4	256QAM	1	0	19.71	19.78	19.78						
1.4	256QAM	1	8	19.71	19.73	19.72						
1.4	256QAM	3	0	19.59	19.76	19.67						
1.4	256QAM	3	15	19.59	19.76	19.67						
1.4	256QAM	6	0	19.54	19.67	19.62						



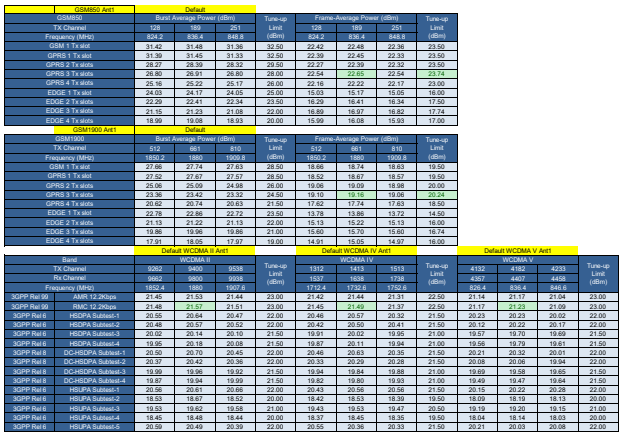
Band 66 DSI5_Standalone Ant0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Middle Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up (mHz)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.71	21.67	21.83	23	0						
20	QPSK	1	49	21.68	21.67	21.68								
20	QPSK	1	99	21.78	21.77	21.86								
20	QPSK	50	0	21.62	21.60	21.73								
20	QPSK	50	24	21.77	21.65	21.58	23	0						
20	QPSK	50	50	21.52	21.63	21.83								
20	QPSK	100	0	21.55	21.77	21.72								
20	16QAM	1	0	21.40	21.59	21.66								
20	16QAM	1	49	21.61	21.70	21.72	23	0						
20	16QAM	1	99	21.43	21.55	21.48								
20	16QAM	50	0	21.63	21.59	21.63								
20	16QAM	50	24	21.70	21.52	21.45								
20	16QAM	50	50	21.51	21.71	21.46	23	0						
20	16QAM	100	0	21.72	21.59	21.70								
20	64QAM	1	0	21.47	21.66	21.40								
20	64QAM	1	49	21.50	21.53	21.45								
20	64QAM	1	99	21.43	21.53	21.51	23	0						
20	64QAM	50	0	21.55	21.52	21.59								
20	64QAM	50	24	21.60	21.55	21.50								
20	64QAM	50	50	21.45	21.61	21.59								
20	256QAM	100	0	21.58	21.58	21.59	20.5	2.5						
20	256QAM	1	0	18.86	18.87	18.86								
20	256QAM	1	49	18.89	18.92	18.84								
20	256QAM	1	99	18.81	18.84	18.83								
20	256QAM	50	0	18.84	18.89	18.86	20.5	2.5						
20	256QAM	50	24	18.78	18.86	18.74								
20	256QAM	50	50	18.69	18.77	18.73								
20	256QAM	100	0	18.73	18.70	18.70								
Channel														
Frequency (MHz)														
15	QPSK	1	0	21.62	21.83	21.74	23	0						
15	QPSK	1	37	21.61	21.98	21.49								
15	QPSK	1	74	21.72	21.70	21.42								
15	QPSK	36	0	21.53	21.76	21.81								
15	QPSK	36	24	21.43	21.45	21.48	23	0						
15	QPSK	36	39	21.43	21.51	21.41								
15	QPSK	75	0	21.42	21.72	21.58								
15	16QAM	1	0	21.25	21.52	21.41								
15	16QAM	1	37	21.50	21.68	21.47	23	0						
15	16QAM	1	74	21.29	21.52	21.47								
15	16QAM	36	0	21.62	21.51	21.67								
15	16QAM	36	24	21.55	21.43	21.37								
15	16QAM	36	39	21.41	21.54	21.45	23	0						
15	64QAM	1	0	21.43	21.61	21.38								
15	64QAM	1	37	21.32	21.59	21.46								
15	64QAM	1	74	21.39	21.52	21.39								
15	64QAM	36	0	21.49	21.49	21.42	23	0						
15	64QAM	36	24	21.40	21.45	21.43								
15	64QAM	36	39	21.41	21.54	21.45								
15	64QAM	75	0	21.45	21.51	21.46								
15	256QAM	1	0	18.75	18.85	18.85	20.5	2.5						
15	256QAM	1	37	18.92	18.89	18.79								
15	256QAM	1	74	18.75	18.79	18.77								
15	256QAM	36	0	18.80	18.86	18.86								
15	256QAM	36	24	18.73	18.79	18.80	20.5	2.5						
15	256QAM	36	39	18.68	18.69	18.63								
15	256QAM	75	0	18.63	18.61	18.58								
Channel														
Frequency (MHz)														
10	QPSK	1	0	21.57	21.78	21.72	23	0						
10	QPSK	1	25	21.54	21.61	21.51								
10	QPSK	1	49	21.70	21.70	21.44								
10	QPSK	25	0	21.49	21.72	21.69								
10	QPSK	25	12	21.65	21.48	21.53	23	0						
10	QPSK	25	25	21.46	21.52	21.49								
10	QPSK	50	0	21.52	21.62	21.48								
10	16QAM	1	0	21.33	21.52	21.31								
10	16QAM	1	25	21.54	21.66	21.48	23	0						
10	16QAM	1	49	21.36	21.44	21.46								
10	16QAM	25	0	21.49	21.43	21.59								
10	16QAM	25	12	21.67	21.42	21.40								
10	16QAM	50	0	21.30	21.60	21.38	23	0						
10	16QAM	50	0	21.59	21.53	21.62								
10	64QAM	1	0	21.33	21.60	21.37								
10	64QAM	1	25	21.30	21.45	21.34								
10	64QAM	1	49	21.34	21.52	21.37	23	0						
10	64QAM	25	0	21.48	21.50	21.46								
10	64QAM	25	12	21.48	21.50	21.46								
10	64QAM	25	25	21.41	21.58	21.45								
10	64QAM	50	0	21.54	21.51	21.48	20.5	2.5						
10	256QAM	1	0	18.76	18.86	18.81								
10	256QAM	1	25	18.79	18.82	18.86								
10	256QAM	1	49	18.73	18.70	18.77								
10	256QAM	25	0	18.71	18.87	18.74	20.5	2.5						
10	256QAM	25	12	18.75	18.81	18.83								
10	256QAM	25	25	18.60	18.65	18.62								
10	256QAM	50	0	18.63	18.67	18.63								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.53	21.62	21.63	23	0						
5	QPSK	1	12	21.60	21.59	21.50								
5	QPSK	1	24	21.70	21.62	21.49								
5	QPSK	12	0	21.55	21.67	21.67								
5	QPSK	12	7	21.67	21.48	21.44	23	0						
5	QPSK	12	13	21.43	21.58	21.46								
5	QPSK	25	0	21.42	21.64	21.62								
5	16QAM	1	0	21.29	21.43	21.35								
5	16QAM	1	12	21.54	21.64	21.54	23	0						
5	16QAM	1	24	21.38	21.45	21.34								
5	16QAM	12	0	21.59	21.48	21.36								
5	16QAM	12	7	21.56	21.40	21.33								
5	16QAM	12	13	21.45	21.60	21.37	23	0						
5	16QAM	25	0	21.59	21.54	21.39								
5	64QAM	1	0	21.39	21.55	21.29								
5	64QAM	1	12	21.40	21.49	21.39								
5	64QAM	1	24	21.31	21.54	21.44	23	0						
5	64QAM	12	0	21.48	21.40	21.44								
5	64QAM	12	7	21.54	21.45	21.45								
5	64QAM	12	13	21.31	21.49	21.48								
5	64QAM	25	0	21.54	21.46	21.30	20.5	2.5						
5	256QAM	1	0	18.76	18.91	18.86								
5	256QAM	1	12	18.77	18.94	18.80								
5	256QAM	1	24	18.71	18.76	18.76								
5	256QAM	12	0	18.72	18.83	18.71	20.5	2.5						
5	256QAM	12	7	18.71	18.72	18.69								
5	256QAM	12	13	18.60	18.66	18.61								



Band 38 Default Ant0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.67	20.60	20.50	22	0				
20	QPSK	1	48	20.46	20.43	20.48						
20	QPSK	1	96	20.47	20.43	20.40						
20	QPSK	50	0	20.47	20.35	20.33						
20	QPSK	50	24	20.36	20.50	20.42	22	0				
20	QPSK	50	48	20.23	20.36	20.32						
20	QPSK	100	0	20.37	20.52	20.33						
20	16QAM	1	0	20.46	20.57	20.39						
20	16QAM	1	48	20.30	20.45	20.33	22	0				
20	16QAM	1	96	20.29	20.33	20.40						
20	16QAM	50	0	20.06	20.23	20.04						
20	16QAM	50	24	20.10	20.06	20.05						
20	16QAM	50	50	19.87	20.03	19.96	21.5	0.5				
20	16QAM	100	0	19.92	20.11	20.05						
20	64QAM	1	0	19.93	20.26	20.03						
20	64QAM	1	48	19.94	20.04	20.10						
20	64QAM	1	96	20.10	20.01	20.06	21.5	0.5				
20	64QAM	50	0	19.96	20.04	19.95						
20	64QAM	50	24	19.83	19.90	19.89						
20	64QAM	50	50	19.82	19.86	19.83						
20	64QAM	100	0	19.85	19.88	19.79	20.5	1.5				
20	256QAM	1	0	17.81	18.08	17.94						
20	256QAM	1	48	17.82	18.08	17.92						
20	256QAM	1	96	17.86	17.85	17.87						
20	256QAM	50	0	17.86	17.86	17.87						
20	256QAM	50	24	17.90	17.95	17.90	18.5	3.5				
20	256QAM	50	50	17.77	17.87	17.81						
20	256QAM	100	0	17.84	17.83	17.84						
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.75	20.60	20.47	22	0				
15	QPSK	1	37	20.29	20.36	20.42						
15	QPSK	1	74	20.40	20.38	20.23						
15	QPSK	36	0	20.38	20.27	20.29						
15	QPSK	36	20	20.24	20.39	20.31	22	0				
15	QPSK	36	36	20.17	20.27	20.28						
15	QPSK	75	0	20.33	20.39	20.25						
15	16QAM	1	0	20.31	20.44	20.25						
15	16QAM	1	37	20.27	20.37	20.17	22	0				
15	16QAM	1	74	20.25	20.23	20.33						
15	16QAM	36	0	19.95	20.20	19.88						
15	16QAM	36	20	19.92	19.85	19.85						
15	16QAM	36	36	19.79	19.93	19.83	21.5	0.5				
15	16QAM	75	0	19.85	19.99	19.88						
15	64QAM	1	0	19.94	20.23	19.99						
15	64QAM	1	37	19.77	19.97	20.07						
15	64QAM	1	74	20.01	19.99	19.99	20.5	1.5				
15	64QAM	36	0	19.77	20.01	19.81						
15	64QAM	36	20	19.73	19.86	19.85						
15	64QAM	36	36	19.72	19.86	19.85						
15	64QAM	75	0	19.75	19.85	19.89	18.5	3.5				
15	256QAM	1	0	17.78	17.97	17.88						
15	256QAM	1	37	17.74	17.94	17.88						
15	256QAM	1	74	17.73	17.82	17.82						
15	256QAM	36	0	17.83	18.00	17.92						
15	256QAM	36	20	17.86	17.89	17.82	18.5	3.5				
15	256QAM	36	36	17.64	17.77	17.71						
15	256QAM	75	0	17.79	17.96	17.87						
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.76	20.60	20.48	22	0				
10	QPSK	1	25	20.31	20.39	20.41						
10	QPSK	1	48	20.35	20.28	20.34						
10	QPSK	25	0	20.37	20.42	20.32						
10	QPSK	25	12	20.24	20.48	20.20	22	0				
10	QPSK	25	25	20.17	20.25	20.22						
10	QPSK	50	0	20.34	20.42	20.28						
10	16QAM	1	0	20.32	20.41	20.25						
10	16QAM	1	25	20.22	20.33	20.29	22	0				
10	16QAM	1	48	20.10	20.17	20.13						
10	16QAM	25	0	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08	21.5	0.5				
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.20	20.08						
10	16QAM	25	12	20.04	20.							



Band 41 PC2 FCC&IC Ant0														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq	Power Low Mod Ch / Freq	Power Low Mod Ch / Freq	Power High Mod Ch / Freq	Power High Mod Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel														
Frequency (MHz)														
20	QPSK	1	0	24.61	24.58	24.54	24.43	24.36	25.1	0				
20	QPSK	1	48	24.52	24.19	24.57	24.36	24.37						
20	QPSK	50	0	24.52	24.40	24.46	24.40	24.34						
20	QPSK	50	24	24.46	24.35	24.53	24.22	24.08						
20	QPSK	50	24	24.35	24.22	24.36	24.26	24.07	25.1	0				
20	QPSK	50	50	24.26	24.14	24.18	24.20	24.12						
20	QPSK	100	0	24.31	24.19	24.37	24.29	24.16						
20	16QAM	1	0	24.50	24.49	24.54	24.41	24.41						
20	16QAM	1	96	24.33	24.38	24.46	24.39	24.24	25.1	0				
20	16QAM	50	0	24.26	24.38	24.40	24.38	24.21						
20	16QAM	50	24	24.26	24.15	24.36	24.27	24.10						
20	16QAM	50	50	24.11	24.05	24.17	24.11	23.97						
20	16QAM	100	0	24.25	24.21	24.33	24.15	24.17	25	0.1				
20	16QAM	100	0	24.15	24.15	24.20	24.15	24.10						
20	16QAM	100	0	24.08	24.03	24.14	24.03	23.96						
20	16QAM	50	24	23.26	23.22	23.34	23.20	23.14						
20	16QAM	50	50	23.15	23.14	23.27	23.19	23.03	24	1.1				
20	16QAM	50	50	23.14	23.10	23.23	23.15	23.06						
20	16QAM	100	0	23.11	23.17	23.23	23.22	23.02						
20	256QAM	1	0	21.61	21.42	21.59	21.46	21.29						
20	256QAM	1	96	21.54	21.40	21.59	21.46	21.30	22	3.1				
20	256QAM	1	96	21.24	21.37	21.38	21.38	21.28						
20	256QAM	50	0	21.06	21.31	21.43	21.29	21.24						
20	256QAM	50	24	21.22	21.16	21.29	21.24	21.04						
20	256QAM	50	50	21.14	21.12	21.21	21.20	21.05	22	3.1				
20	256QAM	100	0	21.30	21.21	21.38	21.19	21.14						
20	256QAM	100	0	21.23	21.18	21.21	21.18	21.06						
Channel														
Frequency (MHz)														
15	QPSK	1	0	24.53	24.58	24.51	24.43	24.24				25.10	0	
15	QPSK	1	37	24.45	24.11	24.80	24.32	24.23						
15	QPSK	1	74	24.12	24.27	24.42	24.27	24.27						
15	QPSK	36	0	24.30	24.26	24.44	24.20	24.00						
15	QPSK	36	20	24.52	24.17	24.23	24.22	24.03	25.1	0				
15	QPSK	36	20	24.25	24.15	24.19	24.28	24.01						
15	QPSK	75	0	24.18	24.15	24.26	24.17	24.13						
15	16QAM	1	0	24.48	24.38	24.47	24.30	24.30						
15	16QAM	1	74	24.21	24.28	24.36	24.44	24.26	25.1	0				
15	16QAM	1	74	24.20	24.31	24.32	24.32	24.14						
15	16QAM	36	0	24.22	24.02	24.24	24.16	23.97						
15	16QAM	36	20	24.05	24.05	24.22	24.05	23.92						
15	16QAM	36	36	24.08	23.99	24.08	24.08	23.86	25	0.1				
15	16QAM	75	0	24.10	24.08	24.27	24.04	24.02						
15	16QAM	75	0	24.04	24.10	24.16	24.05	23.99						
15	16QAM	1	37	23.89	24.04	23.97	23.98	23.88						
15	64QAM	1	74	24.03	23.99	24.10	23.94	23.97	25	0.1				
15	64QAM	36	0	23.18	23.18	23.35	23.05	23.05						
15	64QAM	36	20	23.05	22.99	23.22	23.15	22.87						
15	64QAM	36	36	23.06	23.06	23.14	23.06	22.86						
15	64QAM	75	0	23.04	23.03	23.09	23.15	23.02	24	1.1				
15	256QAM	1	0	21.43	21.30	21.51	21.39	21.22						
15	256QAM	1	37	21.42	21.27	21.46	21.18	21.10						
15	256QAM	1	74	21.20	21.26	21.32	21.23	21.20						
15	256QAM	36	0	21.24	21.17	21.34	21.25	21.11	22	3.1				
15	256QAM	36	20	21.08	21.12	21.21	21.15	20.99						
15	256QAM	36	36	21.10	21.08	21.07	21.09	20.98						
15	256QAM	75	0	21.21	21.12	21.31	21.06	21.07						
Channel														
Frequency (MHz)														
10	QPSK	1	0	24.53	24.47	24.51	24.43	24.26	25.10	0				
10	QPSK	1	25	24.38	24.05	24.53	24.33	24.33						
10	QPSK	1	48	24.16	24.37	24.40	24.38	24.29						
10	QPSK	25	0	24.45	24.35	24.43	24.35	24.06						
10	QPSK	25	12	24.23	24.15	24.23	24.15	23.95	25.1	0				
10	QPSK	25	25	23.95	24.01	24.15	24.27	24.06						
10	16QAM	1	0	24.10	24.16	24.27	24.23	24.07						
10	16QAM	1	0	24.38	24.37	24.80	24.39	24.34						
10	16QAM	1	25	24.22	24.31	24.34	24.37	24.11	25.1	0				
10	16QAM	1	48	24.21	24.32	24.29	24.32	24.17						
10	16QAM	25	0	24.23	24.09	24.31	24.12	24.03						
10	16QAM	25	12	24.12	24.15	24.22	24.06	23.91						
10	16QAM	25	20	24.04	23.98	24.14	24.04	23.85	25	0.1				
10	16QAM	50	0	24.18	24.14	24.28	24.08	24.13						
10	64QAM	1	0	24.06	24.00	24.26	24.06	23.97						
10	64QAM	1	25	23.94	23.98	24.02	23.99	23.88						
10	64QAM	25	0	23.21	23.08	23.28	23.15	23.03	24	1.1				
10	64QAM	25	12	23.05	23.10	23.24	23.09	22.89						
10	64QAM	25	25	23.02	22.87	23.20	23.08	22.86						
10	64QAM	50	0	22.97	22.97	23.15	23.18	22.88						
10	256QAM	1	0	21.47	21.39	21.54	21.36	21.18	22	3.1				
10	256QAM	1	25	21.31	21.26	21.47	21.36	21.25						
10	256QAM	1	48	21.14	21.30	21.35	21.30	21.22						
10	256QAM	25	0	21.28	21.21	21.38	21.32	21.19						
10	256QAM	25	12	21.06	21.04	21.23	21.17	20.94	22	3.1				
10	256QAM	25	25	20.95	21.07	21.13	21.15	20.95						
10	256QAM	50	0	21.28	21.16	21.27	21.11	21.02						
10	256QAM	50	0	21.25	21.16	21.27	21.11	21.02						
Channel														
Frequency (MHz)														
5	QPSK	1	0	24.25	24.46	24.53	24.33	24.36	25.10	0				
5	QPSK	1	16	24.43	24.15	24.46	24.32	24.27						
5	QPSK	1	24	24.16	24.33	24.42	24.28	24.28						
5	QPSK	12	0	24.30	24.33	24.43	24.19	23.94						
5	QPSK	12	7	24.25	24.12	24.25	24.24	23.99	25.1	0				
5	QPSK	12	19	23.97	24.12	24.11	24.17	24.03						
5	QPSK	25	0	24.26	24.05	24.36	24.23	24.06						
5	16QAM	1	0	24.42	24.46	24.41	24.28	24.33						
5	16QAM	1	12	24.32	24.31	24.30	24.41	24.21	25.1	0				
5	16QAM	1	24	24.21	24.31	24.28	24.35	24.18						
5	16QAM	12	0	24.20	24.02	24.31	24.20	24.02						
5	16QAM	12	7	24.15	24.14	24.19	24.06	23.97						
5	16QAM	12	13	24.08	23.98	24.03	24.07	23.86	25	0.1				
5	16QAM	25	0	24.12	24.15	24.26	24.08	24.07						
5	64QAM	1	0	24.07	24.10	24.21	24.05	24.00	24	1.1				
5	64QAM	1	12	23.91	23.97	24.02	24.07	23.92						
5	64QAM	1	24	23.87	23.99	24.03	24.08	23.91						
5	64QAM	12	0	23.18	23.14	23.27	23.07	23.06						
5	64QAM	12	7	23.08	23.08	23.15	23.15	22.88	24	1.1				
5	64QAM	12	13	23.02	22.97	23.18	23.18	22.84						
5	64QAM	25	0	23.08	23.11	23.11	23.18	22.88						
5	64QAM	25	12	23.04	23.10	23.14	23.14	22.84						
5	256QAM	1	0	21.48	21.25	21.46	21.37	21.17	22	3.1				
5	256QAM	1	24	21.19	21.20	21.32	21.28	21.22						
5	256QAM	1	48	21.08	21.21	21.25	21.19	21.19						
5	256QAM	12	7	21.18	21.07	21.22	21.20	20.93						
5	256QAM	12	13	21.09	21.08	21.15	21.16	20.96	22	3.1				
5	256QAM	25	0	21.24	21.16	21.25	21.11	21.02						
5	256QAM	25	12	21.09	21.09	21.11	21.11	20.91						
Channel														
Frequency (MHz)														
5	QPSK	1	0	24.25	24.46	24.53	24.33	24.36				25.10	0	
5	QPSK	1	16	24.43	24.15	24.46	24.32	24.27						
5	QPSK	1	24	24.16	24.33	24.42	24.28	24.28						
5	QPSK	12	0	24.30	24.33	24.43	24.19	23.94						
5	QPSK	12	7	24.25	24.12	24.25	24.24	23.99	25.1	0				
5	QPSK	12	19	23.97	24.12	24.11	24.17	24.03						
5	QPSK	25	0	24.26	24.05	24.36	24.23	24.06						
5	16QAM	1	0	24.42	24.46	24.41	24.28	24.33						
5	16QAM	1	12	24.32	24.31	24.30	24.41	24.21	25.1	0				
5	16QAM	1	24	24.21	24.31	24.28	24.35	24.18						
5	16QAM	12	0	24.20	24.02	24.31	24.20	24.02						
5	16QAM	12	7	24.15	24.14	24.19	24.06	23.97						
5	16QAM	12	13	24.08	23.98	24.03	24.07	23.86	25	0.1				
5	16QAM	25	0	24.12	24.15	24.26	24.08	24.07						
5	64QAM	1	0	24.07	24.10	24.21	24.05	24.00	24	1.1				
5	64QAM	1	12	23.91	23.97	24.02	24.07	23.92						
5	64QAM	1	24	23.87	23.99	24.03	24.08	23.91						
5	64QAM	12	0	23.18	23.14	23.27	23.07	23.06						
5	64QAM	12	7	23.08	23.08	23.15	23.15	22.88	24	1.1				
5	64QAM	12	13	23.02	22.97	23.18	23.18	22.84						
5	64QAM	25	0	23.08	23.11	23.11	23.18	22.88						
5	64QAM	25	12	23.04	23.10	23.14	23.14	22.84						
5	256QAM													





Band 2 Default Ant1												
BW [MHz]	Modulation	RIS Size	RIS Offset	Power Ch / Freq	Power Hsp / Freq	Power Ch / Freq	Turn-up Time (s)	MPR (dB)				
Channel												
Frequency [MHz]												
20	QPSK	1	0	20.50	21.00	20.50	22	0				
20	QPSK	1	49	20.50	21.04	20.50						
20	QPSK	1	99	20.50	20.99	20.50	22	0				
20	QPSK	50	0	20.50	21.04	20.50						
20	QPSK	50	24	20.50	20.99	20.50	22	0				
20	QPSK	100	0	20.50	20.96	20.50						
20	QPSK	150	0	20.50	20.96	20.50	22	0				
20	16QAM	1	49	20.77	20.83	20.83						
20	16QAM	1	99	20.69	20.73	20.77	21.5	0.5				
20	16QAM	50	0	20.72	20.85	20.89						
20	16QAM	50	24	20.72	20.79	20.86	21.5	0.5				
20	16QAM	50	50	20.72	20.80	20.87						
20	16QAM	1	0	20.75	20.85	20.97	21.5	0.5				
20	16QAM	1	49	20.67	20.76	20.72						
20	16QAM	1	99	20.68	20.71	20.81	20.5	1.5				
20	16QAM	50	0	19.82	19.86	19.76						
20	16QAM	50	24	19.77	19.73	19.89	20.5	1.5				
20	16QAM	50	50	19.86	19.83	19.80						
20	256QAM	1	0	17.66	17.69	17.67	18.5	3.5				
20	256QAM	1	49	17.67	17.69	17.69						
20	256QAM	1	99	17.62	17.66	17.61	18.5	3.5				
20	256QAM	50	0	17.61	17.62	17.61						
20	256QAM	50	24	17.73	17.63	17.80	18.5	3.5				
20	256QAM	50	50	17.75	17.61	17.69						
20	256QAM	100	0	17.67	17.68	17.68	18.5	3.5				
20	256QAM	150	0	17.65	17.64	17.63						
Channel												
Frequency [MHz]												
15	QPSK	1	0	20.88	21.02	20.89	22	0				
15	QPSK	1	49	20.78	20.98	20.80						
15	QPSK	1	99	20.73	21.00	20.86	22	0				
15	QPSK	36	0	20.83	21.03	20.87						
15	QPSK	36	39	20.78	20.99	20.85	22	0				
15	QPSK	36	39	20.90	20.83	20.73						
15	QPSK	75	0	20.85	20.95	20.82	22	0				
15	16QAM	1	0	20.75	20.87	20.81						
15	16QAM	1	37	20.76	20.73	20.84	22	0				
15	16QAM	1	74	20.75	20.76	20.81						
15	16QAM	36	0	20.72	20.81	20.87	21.5	0.5				
15	16QAM	36	20	20.64	20.84	20.69						
15	16QAM	75	0	20.73	20.83	20.75	21.5	0.5				
15	16QAM	75	0	20.73	20.72	20.87						
15	64QAM	1	0	20.73	20.82	20.74	21.5	0.5				
15	64QAM	1	74	20.49	20.50	20.55						
15	64QAM	36	0	19.72	19.85	19.74	20.5	1.5				
15	64QAM	36	20	19.71	19.85	19.85						
15	64QAM	36	39	19.71	19.82	19.81	18.5	3.5				
15	64QAM	75	0	19.86	19.82	19.78						
15	256QAM	1	37	17.64	17.69	17.66	18.5	3.5				
15	256QAM	1	74	17.76	17.65	17.72						
15	256QAM	36	0	17.63	17.64	17.68	18.5	3.5				
15	256QAM	36	20	17.73	17.62	17.78						
15	256QAM	36	39	17.66	17.74	17.65	18.5	3.5				
15	256QAM	75	0	17.65	17.68	17.65						
Channel												
Frequency [MHz]												
3	QPSK	1	0	20.81	21.00	20.80	22	0				
3	QPSK	1	12	20.65	20.99	20.82						
3	QPSK	1	24	20.72	21.01	20.89	22	0				
3	QPSK	1	49	20.70	20.99	20.82						
3	QPSK	12	7	20.87	20.95	20.86	22	0				
3	QPSK	12	13	20.86	20.94	20.73						
3	QPSK	12	13	20.84	20.94	20.87	22	0				
3	QPSK	12	13	20.84	20.94	20.87						
3	16QAM	1	0	20.78	20.90	20.79	22	0				
3	16QAM	1	12	20.72	20.84	20.73						
3	16QAM	1	12	20.72	20.84	20.73	21.5	0.5				
3	16QAM	12	0	20.83	20.83	20.78						
3	16QAM	12	13	20.82	20.85	20.84	21.5	0.5				
3	16QAM	12	13	20.71	20.82	20.84						
3	16QAM	25	0	20.73	20.78	20.74	21.5	0.5				
3	16QAM	25	0	20.73	20.78	20.74						
3	16QAM	25	13	20.72	20.78	20.74	21.5	0.5				
3	16QAM	25	13	20.69	20.95	20.73						
3	16QAM	1	24	20.68	20.88	20.73	20.5	1.5				
3	16QAM	1	24	20.71	20.88	20.82						
3	16QAM	12	7	19.73	19.95	19.68	20.5	1.5				
3	16QAM	12	13	19.73	19.72	19.88						
3	16QAM	25	0	19.76	19.87	19.87	18.5	3.5				
3	16QAM	25	0	19.76	19.77	19.81						
3	256QAM	1	12	17.79	17.66	17.85	18.5	3.5				
3	256QAM	1	12	17.79	17.66	17.85						
3	256QAM	12	0	17.68	17.69	17.69	18.5	3.5				
3	256QAM	12	7	17.68	17.64	17.81						
3	256QAM	12	13	17.62	17.78	17.77	18.5	3.5				
3	256QAM	25	0	17.62	17.78	17.68						
Channel												
Frequency [MHz]												
3	QPSK	1	0	20.91	21.00	20.91	22	0				
3	QPSK	1	8	20.76	20.94	20.81						
3	QPSK	1	14	20.70	20.93	20.83	22	0				
3	QPSK	8	0	20.87	20.98	20.84						
3	QPSK	8	4	20.82	21.00	20.88	22	0				
3	QPSK	8	7	20.80	20.87	20.78						
3	QPSK	16	0	20.84	20.98	20.86	22	0				
3	16QAM	1	0	20.82	20.94	20.71						
3	16QAM	1	8	20.72	20.75	20.77	22	0				
3	16QAM	1	8	20.65	20.84	20.77						
3	16QAM	8	0	20.74	20.89	20.76	21.5	0.5				
3	16QAM	8	4	20.72	20.79	20.84						
3	16QAM	15	0	20.66	20.81	20.80	21.5	0.5				
3	16QAM	15	0	20.78	20.82	20.78						
3	64QAM	1	0	19.71	19.84	19.89	20.5	1.5				
3	64QAM	1	8	19.71	19.83	19.89						
3	64QAM	8	0	19.79	19.79	19.87	18.5	3.5				
3	64QAM	8	7	17.84	17.84	17.78						
3	256QAM	1	0	17.68	17.69	17.69	18.5	3.5				
3	256QAM	1	8	17.68	17.64	17.67						
3	256QAM	8	0	17.68	17.62	17.75	18.5	3.5				
3	256QAM	8	4	17.65	17.62	17.62						
3	256QAM	8	7	17.70	17.61	17.71	18.5	3.5				
3	256QAM	15	0	17.60	17.78	17.75						
Channel												
Frequency [MHz]												
1.4	QPSK	1	0	20.81	21.07	20.93	22	0				
1.4	QPSK	1	3	20.66	20.90	20.79						
1.4	QPSK	1	5	20.76	20.96	20.82	22	0				
1.4	QPSK	3	0	20.85	21.00	20.80						
1.4	QPSK	3	1	20.77	20.89	20.79	22	0				
1.4	QPSK	3	1	20.84	20.99	20.72						
1.4	16QAM	1	0	20.86	20.99	20.83	22	0				
1.4	16QAM	1	49	20.86	21.04	20.83						
1.4	16QAM	1	99	20.86	20.99	20.83	22	0				
1.4	16QAM	50	0	20.86	20.99	20.83						
1.4	16QAM	50	24	20.86	20.99	20.83	22	0				
1.4	16QAM	100	0	20.86	20.99	20.83						
1.4	16QAM	150	0	20.86	20.99	20.83	22	0				
1.4	16QAM	1	49	20.77	20.83	20.83						
1.4	16QAM	1	99	20.69	20.73	20.77	21.5	0.5				
1.4	16QAM	50	0	20.72	20.85	20.89						
1.4	16QAM	50	24	20.72	20.79	20.86	21.5	0.5				
1.4	16QAM	50	50	20.72	20.80	20.87						
1.4	16QAM	1	0	20.75	20.85	20.97	21.5	0.5				
1.4	16QAM	1	49	20.67	20.76	20.72						
1.4	16QAM	1	99	20.68	20.71	20.81	20.5	1.5				
1.4	16QAM	50	0	19.82	19.86	19.76						
1.4	16QAM	50	24	19.77	19.73	19.89	20.5	1.5				
1.4	16QAM	50	50	19.86	19.83	19.80						
1.4	256QAM	1	0	17.66	17.69	17.67	18.5	3.5				
1.4	256QAM	1	49	17.67	17.69	17.69						
1.4	256QAM	1	99	17.62	17.66	17.61	18.5	3.5				
1.4	256QAM	50	0	17.61	17.62	17.61						
1.4	256QAM	50	24	17.73	17.63	17.80	18.5	3.5				
1.4	256QAM	50	50	17.75	17.61	17.69						
1.4	256QAM	100	0	17.67	17.68	17.68	18.5	3.5				
1.4	256QAM	150	0	17.65	17.64	17.63						
Channel												
Frequency [MHz]												
1.4	QPSK	1	0	20.81	21.07	20.93	22	0				
1.4	QPSK	1	3	20.66	20.90	20.79						
1.4	QPSK	1	5	20.76	20.96	20.82	22	0				
1.4	QPSK	3	0	20.85	21.00	20.80						
1.4	QPSK	3	1	20.77	20.89	20.79	22	0				
1.4	QPSK	3	1	20.84	20.99	20.72						
1.4	16QAM	1	0	20.86	20.99	20.83	22	0				
1.4	16QAM	1	49	20.86	21.04	20.83						
1.4	16QAM	1	99	20.86	20.99	20.83	22	0				
1.4	16QAM	50	0	20.86	20.99	20.83						
1.4	16QAM	50	24	20.86	20.99	20.83	22	0				
1.4	16QAM	100	0	20.86	20.99	20.83						
1.4	16QAM	150	0	20.86	20.99	20.83	22	0				
1.4	16QAM	1	49	20.77	20.83	20.83						
1.4	16QAM	1	99	20.69	20.73	20.77	21.5	0.5				
1.4	16QAM	50	0	20.72	20.85	20.89						
1.4	16QAM	50	24	20.72	20.79	20.86	21.5	0.5				
1.4	16QAM	50	50	20.72	20.80	20.87						
1.4	16QAM	1	0	20.75	20.85	20.97						

Band 12 Default Ant1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int. (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	21.61	21.73	21.68	23	0						
10	QPSK	1	25	21.43	21.51	21.52								
10	QPSK	1	49	21.47	21.49	21.48								
10	QPSK	25	0	21.60	21.70	21.55								
10	QPSK	25	12	21.55	21.63	21.53	23	0						
10	QPSK	25	25	21.48	21.49	21.48								
10	QPSK	50	0	21.51	21.57	21.45								
10	16QAM	1	0	21.55	21.63	21.51								
10	16QAM	1	25	21.40	21.49	21.36	23	0						
10	16QAM	1	49	21.35	21.46	21.44								
10	16QAM	25	0	21.39	21.39	21.49								
10	16QAM	25	12	21.34	21.49	21.40								
10	16QAM	25	25	21.38	21.39	21.41	22.5	0.5						
10	16QAM	50	0	21.33	21.54	21.40								
10	64QAM	1	0	21.34	21.50	21.36								
10	64QAM	1	25	21.26	21.26	21.33								
10	64QAM	1	49	21.24	21.36	21.28	21.5	1.5						
10	64QAM	25	0	20.40	20.55	20.43								
10	64QAM	25	12	20.37	20.43	20.31								
10	64QAM	25	25	20.35	20.34	20.33								
10	64QAM	50	0	20.25	20.37	20.31	19.5	3.5						
10	256QAM	1	25	18.42	18.52	18.49								
10	256QAM	1	49	18.41	18.37	18.33								
10	256QAM	25	0	18.35	18.35	18.42								
10	256QAM	25	12	18.26	18.37	18.36	18.5	3.5						
10	256QAM	25	25	18.24	18.32	18.32								
10	256QAM	50	0	20.05	20.06	20.05								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.58	21.63	21.54	23	0						
5	QPSK	1	12	21.37	21.38	21.43								
5	QPSK	1	24	21.33	21.44	21.40								
5	QPSK	12	0	21.51	21.58	21.44								
5	QPSK	12	13	21.49	21.58	21.39	23	0						
5	QPSK	12	13	21.34	21.39	21.41								
5	QPSK	25	0	21.40	21.46	21.39								
5	16QAM	1	0	21.48	21.51	21.40								
5	16QAM	1	12	21.30	21.37	21.23	23	0						
5	16QAM	1	24	21.22	21.37	21.31								
5	16QAM	12	0	21.31	21.48	21.41								
5	16QAM	12	7	21.23	21.39	21.27								
5	16QAM	12	13	21.27	21.32	21.36	22.5	0.5						
5	16QAM	25	0	21.26	21.43	21.34								
5	64QAM	1	0	21.20	21.36	21.22								
5	64QAM	1	24	21.17	21.37	21.31								
5	64QAM	1	24	21.13	21.25	21.20	21.5	1.5						
5	64QAM	12	0	20.31	20.41	20.36								
5	64QAM	12	7	20.36	20.36	20.42								
5	64QAM	12	13	20.17	20.25	20.15								
5	64QAM	25	0	20.15	20.22	20.24	19.5	3.5						
5	256QAM	1	0	18.30	18.42	18.35								
5	256QAM	1	12	18.31	18.50	18.45								
5	256QAM	1	24	18.28	18.31	18.25								
5	256QAM	12	0	18.30	18.34	18.31	19.5	3.5						
5	256QAM	12	7	18.17	18.24	18.23								
5	256QAM	12	13	18.20	18.23	18.23								
5	256QAM	25	0	18.30	18.42	18.17								
Channel														
Frequency (MHz)														
3	QPSK	1	0	21.42	21.49	21.42	23	0						
3	QPSK	1	8	21.32	21.54	21.37								
3	QPSK	1	14	21.42	21.43	21.38								
3	QPSK	3	0	21.55	21.59	21.45								
3	QPSK	3	8	21.48	21.52	21.39	23	0						
3	QPSK	8	7	21.32	21.40	21.38								
3	QPSK	16	0	21.57	21.63	21.37								
3	16QAM	1	0	21.47	21.57	21.37								
3	16QAM	1	8	21.30	21.41	21.33	23	0						
3	16QAM	1	16	21.21	21.43	21.36								
3	16QAM	8	0	21.26	21.49	21.41								
3	16QAM	8	4	21.21	21.38	21.30								
3	16QAM	8	7	21.28	21.32	21.27	22.5	0.5						
3	16QAM	15	0	21.22	21.47	21.36								
3	64QAM	1	0	21.20	21.40	21.29								
3	64QAM	1	8	21.12	21.28	21.18								
3	64QAM	1	14	21.12	21.23	21.18	21.5	1.5						
3	64QAM	8	0	20.37	20.43	20.39								
3	64QAM	8	4	20.33	20.35	20.25								
3	64QAM	8	7	20.16	20.19	20.27								
3	64QAM	15	0	20.19	20.25	20.22	19.5	3.5						
3	256QAM	1	0	18.30	18.47	18.36								
3	256QAM	1	8	18.27	18.49	18.43								
3	256QAM	1	14	18.28	18.33	18.26								
3	256QAM	8	0	18.28	18.40	18.31	19.5	3.5						
3	256QAM	8	4	18.18	18.26	18.20								
3	256QAM	8	7	18.20	18.19	18.29								
3	256QAM	15	0	18.23	18.36	18.17								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	21.42	21.59	21.52	23	0						
1.4	QPSK	1	3	21.35	21.50	21.40								
1.4	QPSK	1	5	21.40	21.44	21.45								
1.4	QPSK	3	0	21.57	21.61	21.45								
1.4	QPSK	3	1	21.48	21.59	21.39	23	0						
1.4	QPSK	3	3	21.35	21.33	21.35								
1.4	16QAM	1	0	21.50	21.58	21.39								
1.4	16QAM	1	3	21.34	21.40	21.33								
1.4	16QAM	1	5	21.26	21.43	21.40	23	0						
1.4	16QAM	3	0	21.28	21.48	21.36								
1.4	16QAM	3	1	21.26	21.44	21.28								
1.4	16QAM	3	3	21.23	21.37	21.35								
1.4	16QAM	6	0	21.21	21.48	21.34	22.5	0.5						
1.4	64QAM	1	0	21.28	21.47	21.27								
1.4	64QAM	1	3	21.13	21.21	21.19								
1.4	64QAM	1	5	21.19	21.28	21.18								
1.4	64QAM	3	0	21.23	21.36	21.32	22.5	0.5						
1.4	64QAM	3	1	21.23	21.23	21.20								
1.4	64QAM	3	3	21.10	21.22	21.17								
1.4	64QAM	6	0	20.39	20.41	20.29								
1.4	256QAM	1	0	18.37	18.49	18.44	21.5	1.5						
1.4	256QAM	1	3	18.33	18.50	18.44								
1.4	256QAM	3	0	18.29	18.26	18.24								
1.4	256QAM	3	1	18.27	18.36	18.30								
1.4	256QAM	3	1	18.14	18.50	18.24	19.5	3.5						
1.4	256QAM	3	3	18.15	18.24	18.22								
1.4	256QAM	6	0	18.27	18.36	18.19								

Band 25 Default Ant1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (MHz)	Power Mid Ch./Freq. (MHz)	Power High Ch./Freq. (MHz)	Turn-up time (sec)	MPE (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	21.00	21.11	21.06	22	0			
20	QPSK	1	49	20.84	20.97	20.93					
20	QPSK	1	99	20.83	20.92	20.87					
20	QPSK	50	0	20.92	21.00	20.96					
20	QPSK	50	24	20.84	20.89	20.88	22	0			
20	QPSK	50	50	20.76	20.87	20.80					
20	QPSK	100	0	20.89	21.02	20.94					
20	16QAM	1	0	20.87	21.00	20.93					
20	16QAM	1	49	20.83	20.89	20.89	22	0			
20	16QAM	1	99	20.78	20.85	20.80					
20	16QAM	50	0	20.84	21.00	20.94					
20	16QAM	50	24	20.77	20.90	20.81					
20	16QAM	50	50	20.74	20.79	20.75	22	0			
20	16QAM	100	0	20.82	20.94	20.78					
20	64QAM	1	0	20.88	21.00	20.97					
20	64QAM	1	49	20.92	20.97	20.89					
20	64QAM	1	99	20.88	20.89	20.80	22	0			
20	64QAM	50	0	20.89	21.01	20.89					
20	64QAM	50	24	20.81	20.89	20.84					
20	64QAM	50	50	20.76	20.78	20.74					
20	64QAM	100	0	20.88	20.95	20.82	22	0			
20	256QAM	1	0	20.89	21.07	20.98					
20	256QAM	1	49	17.82	18.07	17.78					
20	256QAM	1	99	17.77	17.84	17.77					
20	256QAM	50	0	17.80	17.85	17.84	19	3			
20	256QAM	50	24	17.80	17.85	17.84					
20	256QAM	50	50	17.71	17.82	17.78					
20	256QAM	100	0	17.82	17.88	17.80					
Channel											
Frequency (MHz)											
182.5	QPSK	1	0	20.89	21.07	20.98	22	0			
182.5	QPSK	1	37	20.75	20.81	20.79					
182.5	QPSK	1	74	20.75	20.84	20.78					
182.5	QPSK	36	0	20.83	20.94	20.91					
182.5	QPSK	36	25	20.80	20.77	20.77	22	0			
182.5	QPSK	36	39	20.62	20.73	20.74					
182.5	QPSK	75	0	20.82	20.98	20.88					
182.5	16QAM	1	0	20.80	20.88	20.88					
182.5	16QAM	1	37	20.77	20.83	20.79	22	0			
182.5	16QAM	1	74	20.69	20.77	20.78					
182.5	16QAM	36	0	20.71	20.86	20.71					
182.5	16QAM	36	25	20.71	20.86	20.74					
182.5	16QAM	75	0	20.78	20.91	20.81	22	0			
182.5	64QAM	1	0	20.83	21.06	20.88					
182.5	64QAM	1	37	20.78	20.89	20.77					
182.5	64QAM	1	74	20.74	20.85	20.70					
182.5	64QAM	36	0	20.76	20.86	20.75	22	0			
182.5	64QAM	36	25	20.76	20.86	20.74					
182.5	64QAM	36	39	20.62	20.81	20.80					
182.5	64QAM	75	0	20.77	20.81	20.88					
182.5	256QAM	1	0	17.80	17.89	17.78	19	3			
182.5	256QAM	1	37	17.88	18.03	17.79					
182.5	256QAM	1	74	17.83	17.71	17.73					
182.5	256QAM	36	0	17.86	17.85	17.86					
182.5	256QAM	36	25	17.69	17.78	17.77					
182.5	256QAM	36	39	17.68	17.78	17.67					
182.5	256QAM	75	0	17.78	17.87	17.80					
182.5	256QAM	75	0	17.78	17.87	17.80	19	3			
Channel											
Frequency (MHz)											
26900	QPSK	1	0	20.89	21.00	20.90			22	0	
26900	QPSK	1	25	20.78	20.93	20.89					
26900	QPSK	1	49	20.78	20.80	20.73					
26900	QPSK	12	0	20.78	21.00	20.89					
26900	QPSK	25	12	20.77	20.77	20.76	22	0			
26900	QPSK	25	25	20.63	20.78	20.73					
26900	QPSK	50	0	20.79	20.98	20.88					
26900	16QAM	1	0	20.80	20.97	20.82					
26900	16QAM	1	25	20.74	20.76	20.79	22	0			
26900	16QAM	1	49	20.76	20.77	20.78					
26900	16QAM	25	0	20.77	20.91	20.79					
26900	16QAM	25	12	20.68	20.86	20.74					
26900	16QAM	36	0	20.67	20.84	20.82	22	0			
26900	16QAM	50	0	20.76	20.81	20.85					
26900	64QAM	1	0	20.89	21.00	20.93					
26900	64QAM	1	24	20.77	20.85	20.77					
26900	64QAM	1	49	20.84	20.80	20.89	22	0			
26900	64QAM	25	0	20.79	20.88	20.74					
26900	64QAM	25	12	20.68	20.86	20.77					
26900	64QAM	25	25	20.65	20.86	20.82					
26900	64QAM	50	0	20.71	20.91	20.81	22	0			
26900	256QAM	1	0	17.82	18.07	17.80					
26900	256QAM	1	25	17.88	17.99	17.74					
26900	256QAM	1	49	17.71	17.75	17.62					
26900	256QAM	25	0	17.80	17.85	17.82	19	3			
26900	256QAM	25	12	17.74	17.71	17.77					
26900	256QAM	25	25	17.64	17.74	17.74					
26900	256QAM	50	0	17.82	17.86	17.79					
Channel											
Frequency (MHz)											
26905	QPSK	1	0	20.84	21.00	20.89	22	0			
26905	QPSK	1	12	20.80	20.84	20.89					
26905	QPSK	1	24	20.69	20.81	20.80					
26905	QPSK	12	0	20.78	20.98	20.86					
26905	QPSK	12	7	20.73	20.83	20.74	22	0			
26905	QPSK	12	13	20.64	20.80	20.74					
26905	QPSK	25	0	20.81	20.92	20.86					
26905	QPSK	25	0	20.73	20.82	20.82	22	0			
26905	QPSK	25	12	20.64	20.79	20.79					
26905	QPSK	25	25	20.60	20.84	20.83					
26905	QPSK	50	0	20.79	21.04	20.93					
26905	16QAM	1	0	20.80	20.88	20.88	22	0			
26905	16QAM	1	12	20.68	20.88	20.81					
26905	16QAM	1	24	20.68	20.71	20.75					
26905	16QAM	12	0	20.77	20.97	20.89					
26905	16QAM	12	7	20.72	20.78	20.78	22	0			
26905	16QAM	12	13	20.64	20.74	20.67					
26905	16QAM	25	0	20.69	20.84	20.83					
26905	16QAM	25	12	20.60	20.79	20.79					
26905	16QAM	25	25	20.57	20.79	20.69	22	0			
26905	16QAM	50	0	20.74	20.88	20.83					
26905	64QAM	1	0	20.77	20.93	20.77					
26905	64QAM	1	24	20.69	20.77	20.70					
26905	64QAM	1	49	20.77	20.73	20.69	22	0			
26905	64QAM	12	0	20.78	20.98	20.86					
26905	64QAM	12	7	20.73	20.83	20.74					
26905	64QAM	12	13	20.62	20.72	20.72					
26905	64QAM	25	0	20.74	20.79	20.74	19	3			
26905	64QAM	25	12	20.65	20.77	20.77					
26905	64QAM	25	25	20.57	20.77	20.67					
26905	64QAM	50	0	20.76	20.81	20.85					
Channel											
Frequency (MHz)											
1850.5	QPSK	1	0	20.96	20.99	20.98	22	0			
1850.5	QPSK	1	12	20.80	20.84	20.89					
1850.5	QPSK	1	24	20.69	20.81	20.80					
1850.5	QPSK	12	0	20.78	20.98	20.86					
1850.5	QPSK	12	7	20.73	20.83	20.74	22	0			
1850.5	QPSK	12	13	20.64	20.80	20.74					
1850.5	QPSK	25	0	20.81	20.92	20.86					
1850.5	QPSK	25	0	20.73	20.82	20.82	22	0			
1850.5	QPSK	25	12	20.64	20.79	20.79					
1850.5	QPSK	25	25	20.60	20.84	20.83					
1850.5	QPSK	50	0	20.79	21.04	20.93					
1850.5	16QAM	1	0	20.80	20.88	20.88	22	0			
1850.5	16QAM	1	12	20.68	20.88	20.81					
1850.5	16QAM	1	24	20.68	20.71	20.75					
1850.5	16QAM	12	0	20.77	20.97	20.89					
1850.5	16QAM	12	7	20.72	20.78	20.78	22	0			
1850.5	16QAM	12	13	20.64	20.74	20.67					
1850.5	16QAM	25	0	20.69	20.84	20.83					
1850.5	16QAM	25	12	20.60	20.79	20.79					
1850.5	16QAM	25	25	20.57	20.79	20.69	22	0			
1850.5	16QAM	50	0	20.74	20.88	20.83					
1850.5	64QAM	1	0	20.77	20.93	20.77					
1850.5	64QAM	1	24	20.69	20.77	20.70					
1850.5	64QAM	1	49	20.77	20.73	20.69	22	0			
1850.5	64QAM	12	0	20.78	20.98	20.86					
1850.5	64QAM	12	7	20.73	20.83	20.74					
1850.5	64QAM	12	13	20.62	20.72	20.72					
1850.5	64QAM	25	0	20.74	20.79	20.74	19	3			
1850.5	64QAM	25	12	20.65	20.77	20.77					
1850.5	64QAM	25	25	20.57	20.77	20.67					
1850.5	64QAM	50	0	20.76	20.81	20.85					
Channel											
Frequency (MHz)											
1850.5	QPSK	1	0	20.91	20.99	20.98	22	0			
1850.5	QPSK	1	12	20.80	20.84	20.89					
1850.5	QPSK	1	24	20.69	20.81	20.80					
1850.5	QPSK	12	0	20.78	20.98	20.86					
1850.5	QPSK	12	7	20.73	20.83	20.74	22	0			
1850.5	QPSK	12	13	20.64	20.80	20.74					
1850.5	QPSK	25	0	20.81	20.88	20.87					
1850.5	QPSK	25	0	20.73	20.82	20.82	22	0			
1850.5	QPSK	25	12	20.64	20.79	20.79					
1850.5	QPSK	25	25	20.60	20.84	20.83					
1850.5	QPSK	50	0	20.79	21.04	20.93					
1850.5	16QAM	1	0	20.80	20.88	20.88	22	0			
1850.5	16QAM	1	12	20.68	20.88	20.81					
1850.5	16QAM	1	24	20.68	20.71	20.75					
1850.5	16QAM	12	0	20.77	20.97	20.89					
1850.5	16QAM	12	7	20.72	20.78	20.78	22	0</			



Band 66 Default Ant1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 150072	Power Middle Ch./Freq. 150222	Power High Ch./Freq. 150372	Time-up (ms)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.03	21.12	20.97	22	0						
20	QPSK	1	49	20.91	21.03	20.98								
20	QPSK	1	99	20.86	20.90	20.86								
20	QPSK	50	0	20.87	21.07	20.96								
20	QPSK	50	24	20.80	20.88	20.84	22	0						
20	QPSK	50	50	20.80	20.87	20.88								
20	QPSK	100	0	20.84	20.95	20.82								
20	16QAM	1	0	20.90	20.92	20.87								
20	16QAM	1	49	20.74	20.80	20.80	22	0						
20	16QAM	1	99	20.78	20.82	20.73								
20	16QAM	50	0	20.71	20.87	20.79								
20	16QAM	50	24	20.64	20.69	20.65								
20	16QAM	50	50	20.63	20.69	20.69	22	0						
20	16QAM	100	0	20.63	20.69	20.65								
20	16QAM	100	0	20.63	20.69	20.65								
20	16QAM	1	0	20.81	20.90	20.74								
20	64QAM	1	0	20.75	20.85	20.77	22	0						
20	64QAM	1	99	20.65	20.69	20.68								
20	64QAM	50	0	20.61	20.70	20.69								
20	64QAM	50	24	20.59	20.70	20.64								
20	64QAM	50	50	20.58	20.60	20.49	22	0						
20	64QAM	100	0	20.74	20.63	20.62								
20	256QAM	1	0	17.69	17.80	17.65								
20	256QAM	1	49	17.93	18.10	17.85								
20	256QAM	1	99	17.79	17.80	17.85	19	3						
20	256QAM	50	0	17.65	17.75	17.65								
20	256QAM	50	24	17.60	17.58	17.52								
20	256QAM	50	50	17.47	17.58	17.47								
20	256QAM	100	0	17.78	17.50	17.60	19	3						
Channel														
Frequency (MHz)														
15	QPSK	1	0	20.92	21.07	20.92	22	0						
15	QPSK	1	37	20.78	20.90	20.79								
15	QPSK	1	74	20.77	20.76	20.71								
15	QPSK	36	0	20.78	21.01	20.83								
15	QPSK	36	36	20.75	20.79	20.79	22	0						
15	QPSK	36	39	20.67	20.63	20.79								
15	QPSK	75	0	20.74	20.89	20.77								
15	16QAM	1	0	20.81	20.83	20.75								
15	16QAM	1	37	20.63	20.63	20.77	22	0						
15	16QAM	1	74	20.69	20.69	20.68								
15	16QAM	36	0	20.69	20.74	20.64								
15	16QAM	36	20	20.64	20.64	20.51								
15	16QAM	36	36	20.59	20.64	20.51	22	0						
15	16QAM	75	0	20.75	20.88	20.70								
15	64QAM	1	0	20.71	20.80	20.69								
15	64QAM	1	37	20.61	20.69	20.69								
15	64QAM	1	74	20.54	20.55	20.55	22	0						
15	64QAM	36	0	20.56	20.70	20.62								
15	64QAM	36	20	20.53	20.62	20.48								
15	64QAM	36	39	20.48	20.52	20.38								
15	64QAM	75	0	20.67	20.69	20.68	19	3						
15	256QAM	1	0	17.75	17.85	17.61								
15	256QAM	1	37	17.78	18.02	17.83								
15	256QAM	1	74	17.85	17.85	17.81								
15	256QAM	36	0	17.46	17.70	17.62	19	3						
15	256QAM	36	20	17.47	17.53	17.41								
15	256QAM	36	39	17.37	17.50	17.33								
15	256QAM	75	0	17.44	17.81	17.74								
Channel														
Frequency (MHz)														
10	QPSK	1	0	20.64	21.01	20.71	22	0						
10	QPSK	1	25	20.63	20.69	20.71								
10	QPSK	1	49	20.62	20.78	20.72								
10	QPSK	1	74	20.76	20.62	20.68								
10	QPSK	25	12	20.68	20.78	20.79	22	0						
10	QPSK	25	25	20.76	20.81	20.74								
10	QPSK	50	0	20.74	20.81	20.78								
10	16QAM	1	0	20.81	20.83	20.74								
10	16QAM	1	25	20.66	20.75	20.74	22	0						
10	16QAM	1	49	20.73	20.76	20.64								
10	16QAM	25	0	20.58	20.67	20.65								
10	16QAM	25	12	20.64	20.68	20.60								
10	16QAM	50	0	20.58	20.65	20.48	22	0						
10	16QAM	50	0	20.80	20.82	20.68								
10	64QAM	1	0	20.72	20.86	20.71								
10	64QAM	1	25	20.61	20.70	20.64								
10	64QAM	1	49	20.51	20.55	20.58	22	0						
10	64QAM	25	0	20.47	20.71	20.57								
10	64QAM	25	12	20.48	20.46	20.43								
10	64QAM	25	25	20.47	20.46	20.45								
10	64QAM	50	0	20.67	20.79	20.75	22	0						
10	256QAM	1	0	17.66	17.67	17.62								
10	256QAM	1	25	17.86	17.95	17.87								
10	256QAM	1	49	17.65	17.75	17.79								
10	256QAM	25	0	17.63	17.63	17.59	19	3						
10	256QAM	25	12	17.67	17.50	17.45								
10	256QAM	25	25	17.36	17.46	17.43								
10	256QAM	50	0	17.65	17.65	17.78								
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.71	20.82	20.71	22	0						
5	QPSK	1	12	20.85	20.92	20.79								
5	QPSK	1	24	20.80	20.82	20.68								
5	QPSK	12	0	20.75	20.84	20.80								
5	QPSK	12	7	20.76	20.79	20.71	22	0						
5	QPSK	12	13	20.67	20.60	20.79								
5	QPSK	25	0	20.73	20.81	20.67								
5	16QAM	1	0	20.81	20.80	20.76								
5	16QAM	1	12	20.64	20.73	20.75	22	0						
5	16QAM	1	24	20.75	20.73	20.60								
5	16QAM	12	0	20.67	20.72	20.84								
5	16QAM	12	7	20.58	20.57	20.60								
5	16QAM	12	14	20.60	20.62	20.54	22	0						
5	16QAM	25	0	20.76	20.88	20.69								
5	64QAM	1	0	20.70	20.83	20.66								
5	64QAM	1	12	20.65	20.77	20.64								
5	64QAM	1	24	20.62	20.64	20.61	22	0						
5	64QAM	12	0	20.63	20.67	20.60								
5	64QAM	12	7	20.48	20.49	20.49								
5	64QAM	12	13	20.50	20.53	20.39								
5	64QAM	25	0	20.70	20.77	20.70	22	0						
5	256QAM	1	0	17.62	18.00	17.83								
5	256QAM	1	12	17.80	17.98	17.82								
5	256QAM	1	24	17.70	17.75	17.71								
5	256QAM	12	0	17.65	17.49	17.60	19	3						
5	256QAM	12	7	17.54	17.									



Band 38 DSIS_Standalone Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.41	22.53	22.40	23	0				
20	QPSK	1	49	22.32	22.35	22.39						
20	QPSK	1	89	22.26	22.29	22.29						
20	QPSK	50	0	22.29	22.48	22.30						
20	QPSK	50	24	22.24	22.36	22.32						
20	QPSK	50	50	22.24	22.28	22.28	23	0				
20	QPSK	100	0	22.28	22.45	22.33						
20	16QAM	1	0	22.35	22.61	22.39						
20	16QAM	1	49	22.31	22.35	22.35						
20	16QAM	1	99	22.27	22.39	22.24						
20	16QAM	50	0	21.97	22.14	21.95	23	0				
20	16QAM	50	24	21.91	21.95	21.95						
20	16QAM	50	50	21.88	21.92	21.89						
20	16QAM	100	0	21.85	22.08	21.90						
20	64QAM	1	49	22.28	22.36	22.28						
20	64QAM	1	99	22.16	22.28	22.22	23	0				
20	64QAM	50	0	21.93	22.11	22.00						
20	64QAM	50	24	21.89	22.03	21.90						
20	64QAM	50	50	21.80	21.94	21.85						
20	64QAM	100	0	21.81	22.05	21.96						
20	256QAM	1	0	18.83	19.00	18.85	20.5	2.5				
20	256QAM	1	49	18.79	18.90	18.75						
20	256QAM	1	99	18.76	18.77	18.78						
20	256QAM	50	0	18.86	18.87	18.87						
20	256QAM	50	24	18.97	19.06	18.95						
20	256QAM	50	50	18.89	18.95	18.84	20.5	2.5				
20	256QAM	100	0	18.90	18.95	18.86						
Channel												
Frequency (MHz)												
16	QPSK	1	0	22.26	22.49	22.41				23	0	
16	QPSK	1	37	22.19	22.23	22.30						
16	QPSK	1	74	22.12	22.20	22.21						
16	QPSK	36	0	22.23	22.33	22.23						
16	QPSK	36	20	22.14	22.22	22.19						
16	QPSK	36	36	22.15	22.27	22.26	23	0				
16	QPSK	75	0	22.18	22.39	22.23						
16	16QAM	1	0	22.26	22.39	22.27						
16	16QAM	1	37	22.21	22.24	22.20						
16	16QAM	1	74	22.15	22.25	22.15						
16	16QAM	36	0	21.94	22.08	21.82	23	0				
16	16QAM	36	20	21.82	21.84	21.80						
16	16QAM	36	36	21.78	21.84	21.86						
16	16QAM	75	0	21.81	22.06	21.94						
16	64QAM	1	0	22.15	22.37	22.26						
16	64QAM	1	37	22.17	22.38	22.23	23	0				
16	64QAM	1	74	22.08	22.11	22.15						
16	64QAM	36	0	21.85	21.98	21.85						
16	64QAM	36	20	21.83	21.92	21.78						
16	64QAM	36	36	21.82	21.91	21.85						
16	64QAM	75	0	21.92	21.97	21.95	22.5	0.5				
16	256QAM	1	0	18.77	18.90	18.81						
16	256QAM	1	37	18.70	18.81	18.72						
16	256QAM	1	74	18.67	18.74	18.74						
16	256QAM	36	0	18.86	19.11	18.92						
16	256QAM	36	20	18.93	18.94	18.85	20.5	2.5				
16	256QAM	36	36	18.85	18.88	18.84						
16	256QAM	75	0	18.89	18.90	18.89						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.26	22.47	22.41	23	0				
10	QPSK	1	25	22.23	22.30	22.27						
10	QPSK	1	49	22.19	22.21	22.25						
10	QPSK	25	0	22.23	22.36	22.25						
10	QPSK	25	12	22.21	22.29	22.25						
10	QPSK	25	25	22.14	22.20	22.22	23	0				
10	QPSK	50	0	22.14	22.27	22.20						
10	16QAM	1	0	22.25	22.38	22.31						
10	16QAM	1	25	22.27	22.23	22.21						
10	16QAM	1	49	22.16	22.19	22.12						
10	16QAM	25	0	21.85	22.03	21.80	23	0				
10	16QAM	25	12	21.87	21.85	21.86						
10	16QAM	25	25	21.78	21.85	21.77						
10	16QAM	50	0	21.87	22.00	21.86						
10	64QAM	1	0	22.16	22.33	22.27						
10	64QAM	1	25	22.21	22.31	22.23	23	0				
10	64QAM	1	49	22.03	22.10	22.12						
10	64QAM	25	0	21.78	22.07	21.87						
10	64QAM	25	12	21.76	21.97	21.78						
10	64QAM	25	25	21.77	21.87	21.71						
10	64QAM	50	0	21.77	21.95	21.81	22.5	0.5				
10	256QAM	1	0	18.76	18.92	18.70						
10	256QAM	1	25	18.84	18.91	18.72						
10	256QAM	1	49	18.82	18.73	18.85						
10	256QAM	25	0	18.83	18.11	18.89						
10	256QAM	25	12	18.85	19.03	18.80	20.5	2.5				
10	256QAM	25	25	18.77	18.94	18.87						
10	256QAM	50	0	18.91	19.04	18.85						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.26	22.40	22.42	23	0				
5	QPSK	1	12	22.27	22.21	22.24						
5	QPSK	1	24	22.17	22.17	22.21						
5	QPSK	12	0	22.16	22.34	22.28						
5	QPSK	12	7	22.12	22.26	22.20						
5	QPSK	12	13	22.21	22.21	22.17	23	0				
5	QPSK	25	0	22.21	22.31	22.25						
5	16QAM	1	0	22.31	22.41	22.34						
5	16QAM	1	12	22.21	22.24	22.13						
5	16QAM	1	24	22.13	22.17	22.18						
5	16QAM	12	0	21.89	22.08	21.90	23	0				
5	16QAM	12	7	21.81	21.89	21.88						
5	16QAM	12	13	21.80	21.88	21.85						
5	16QAM	25	0	21.85	22.04	21.95						
5	64QAM	1	0	22.20	22.35	22.24						
5	64QAM	1	12	22.14	22.25	22.20	23	0				
5	64QAM	1	24	22.04	22.14	22.08						
5	64QAM	12	0	21.86	22.08	21.86						
5	64QAM	12	7	21.78	21.88	21.82						
5	64QAM	25	0	21.76	21.79	21.73						
5	64QAM	25	0	21.76	21.96	21.80	22.5	0.5				
5	256QAM	1	0	18.73	18.88	18.71						
5	256QAM	1	12	18.72	18.87	18.66						
5	256QAM	1	24	18.64	18.73	18.70						
5	256QAM	12	0	18.87	19.09	18.90						
5	256QAM	12	7	18.82	19.01	18.84	20.5	2.5				
5	256QAM	12	13	18.85	18.88	18.91						
5	256QAM	25	0	18.95	19.08	18.91						

Band 41 FCC&C DS15_Standalone Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Med Ch / Freq	Power High Ch / Freq	Power High Med Ch / Freq	Power High Ch / Freq		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.67	22.63	22.73	22.52	22.30	23.5	
20	QPSK	1	49	22.48	22.57	22.57	22.48	22.48		
20	QPSK	1	89	22.46	22.54	22.56	22.42	22.44		
20	QPSK	50	0	22.54	22.41	22.68	22.50	22.50		
20	QPSK	50	24	22.40	22.44	22.58	22.45	22.34		
20	QPSK	50	50	22.32	22.41	22.39	22.39	22.39	23	
20	QPSK	100	0	22.47	22.50	22.54	22.46	22.63	23	
20	16QAM	1	0	22.71	22.54	22.61	22.68	22.85		
20	16QAM	1	49	22.58	22.53	22.52	22.51	22.50		
20	16QAM	1	89	22.47	22.47	22.64	22.58	22.58		
20	16QAM	50	0	21.87	21.69	21.80	21.63	21.77		
20	16QAM	50	24	21.84	21.55	21.68	21.50	21.47	22	
20	16QAM	50	50	21.67	21.61	21.66	21.55	21.55		
20	16QAM	100	0	21.69	21.68	21.56	21.74	21.77		
20	16QAM	100	24	21.72	21.36	21.50	21.35	21.80		
20	16QAM	100	50	21.50	21.54	21.50	21.50	21.50		
20	64QAM	1	0	21.87	21.74	21.69	21.64	21.67	21	
20	64QAM	1	49	21.75	21.60	21.61	21.53	21.47		
20	64QAM	1	89	21.66	21.66	21.54	21.63	21.63		
20	64QAM	50	0	20.85	20.66	20.74	20.63	20.70		
20	64QAM	50	24	20.82	20.58	20.66	20.51	20.41		
20	64QAM	50	50	20.60	20.68	20.60	20.59	20.58	21	
20	64QAM	100	0	20.68	20.67	20.70	20.70	20.59		
20	64QAM	100	24	20.82	20.49	20.58	20.41	20.41		
20	64QAM	100	50	20.68	20.67	20.70	20.70	20.59		
20	256QAM	1	0	18.82	18.49	18.70	18.50	18.66		
20	256QAM	1	49	18.84	18.47	18.70	18.50	18.58	21	
20	256QAM	1	89	18.43	18.43	18.53	18.51	18.58		
20	256QAM	50	0	18.76	18.57	18.67	18.51	18.74		
20	256QAM	50	24	18.81	18.59	18.54	18.52	18.62		
20	256QAM	50	50	18.50	18.53	18.61	18.53	18.60		
20	256QAM	100	0	18.77	18.75	18.62	18.61	18.63	19	
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.60	22.55	22.63	22.48	22.27		24
15	QPSK	1	37	22.44	22.55	22.48	22.40	22.37		
15	QPSK	1	74	22.32	22.52	22.47	22.40	22.36		
15	QPSK	36	0	22.32	22.36	22.42	22.44	22.45		
15	QPSK	36	20	22.27	22.34	22.45	22.38	22.28		
15	QPSK	36	50	22.27	22.37	22.37	22.37	22.29	23	
15	QPSK	75	0	22.42	22.41	22.42	22.35	22.40		
15	16QAM	1	0	22.65	22.42	22.64	22.59	22.52		
15	16QAM	1	37	22.50	22.43	22.49	22.43	22.51		
15	16QAM	1	74	22.50	22.35	22.52	22.51	22.54		
15	16QAM	36	0	21.47	21.49	21.60	21.45	21.50	22	
15	16QAM	36	20	21.44	21.39	21.52	21.42	21.38		
15	16QAM	36	50	21.25	21.33	21.45	21.30	21.25		
15	16QAM	75	0	21.47	21.49	21.52	21.45	21.47		
15	64QAM	1	0	21.50	21.58	21.51	21.58	21.60		
15	64QAM	1	37	21.52	21.54	21.49	21.43	21.47	22	
15	64QAM	1	74	21.52	21.41	21.48	21.41	21.57		
15	64QAM	36	0	20.48	20.48	20.54	20.44	20.50		
15	64QAM	36	20	20.38	20.38	20.46	20.41	20.41		
15	64QAM	36	50	20.30	20.30	20.40	20.30	20.38		
15	64QAM	75	0	20.48	20.47	20.50	20.50	20.39	21	
15	256QAM	1	0	18.47	18.47	18.50	18.50	18.50		
15	256QAM	1	37	18.44	18.27	18.50	18.35	18.46		
15	256QAM	1	74	18.23	18.23	18.33	18.31	18.38		
15	256QAM	36	0	18.47	18.39	18.44	18.42	18.54		
15	256QAM	36	20	18.41	18.30	18.44	18.42	18.42	19	
15	256QAM	36	50	18.31	18.33	18.41	18.43	18.39		
15	256QAM	75	0	18.37	18.56	18.57	18.57	18.53		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.60	22.55	22.63	22.48	22.27	24	
10	QPSK	1	25	22.38	22.52	22.43	22.36	22.30		
10	QPSK	1	50	22.29	22.45	22.42	22.42	22.36		
10	QPSK	25	0	22.45	22.37	22.60	22.43	22.36		
10	QPSK	25	12	22.37	22.33	22.46	22.37	22.31		
10	QPSK	25	37	22.24	22.26	22.37	22.28	22.28	23	
10	QPSK	50	0	22.33	22.48	22.45	22.35	22.51		
10	16QAM	1	0	22.61	22.43	22.61	22.56	22.58		
10	16QAM	1	25	22.53	22.49	22.50	22.44	22.54		
10	16QAM	1	49	22.48	22.45	22.58	22.48	22.51		
10	16QAM	25	0	21.59	21.59	21.72	21.44	21.67	23	
10	16QAM	25	12	21.57	21.56	21.64	21.42	21.55		
10	16QAM	25	37	21.47	21.47	21.58	21.42	21.51		
10	16QAM	50	0	21.68	21.64	21.64	21.53	21.70		
10	64QAM	1	0	21.70	21.60	21.70	21.73	21.81		
10	64QAM	1	25	21.68	21.69	21.69	21.66	21.77	22	
10	64QAM	1	49	21.52	21.49	21.49	21.47	21.47		
10	64QAM	25	0	20.66	20.55	20.76	20.50	20.59		
10	64QAM	25	12	20.42	20.56	20.52	20.45	20.30		
10	64QAM	25	37	20.38	20.49	20.49	20.38	20.48		
10	64QAM	50	0	20.69	20.52	20.67	20.57	20.47	21	
10	256QAM	1	0	18.48	18.48	18.56	18.50	18.60		
10	256QAM	1	25	18.56	18.40	18.54	18.42	18.53		
10	256QAM	1	49	18.35	18.29	18.50	18.46	18.30		
10	256QAM	25	0	18.62	18.52	18.62	18.52	18.52		
10	256QAM	25	12	18.49	18.48	18.50	18.46	18.50	19	
10	256QAM	25	37	18.40	18.40	18.51	18.51	18.49		
10	256QAM	50	0	18.50	18.40	18.51	18.51	18.49		
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.60	22.55	22.63	22.48	22.27	24	
5	QPSK	1	12	22.34	22.44	22.53	22.39	22.33		
5	QPSK	1	24	22.40	22.41	22.42	22.41	22.37		
5	QPSK	12	0	22.52	22.37	22.54	22.43	22.39		
5	QPSK	12	7	22.39	22.38	22.42	22.42	22.30		
5	QPSK	25	0	22.43	22.36	22.50	22.43	22.27	23	
5	QPSK	25	0	22.42	22.45	22.48	22.33	22.47		
5	QPSK	1	0	22.69	22.51	22.70	22.59	22.54		
5	16QAM	1	0	22.54	22.43	22.56	22.46	22.55		
5	16QAM	1	24	22.50	22.40	22.52	22.42	22.49		
5	16QAM	12	0	21.61	21.59	21.67	21.54	21.66	23	
5	16QAM	12	7	21.60	21.49	21.57	21.52	21.54		
5	16QAM	12	12	21.58	21.43	21.52	21.42	21.39		
5	64QAM	1	0	21.75	21.63	21.75	21.61	21.77		
5	64QAM	1	12	21.62	21.59	21.63	21.61	21.61		
5	64QAM	12	0	21.44	21.37	21.47	21.37	21.48	22	
5	64QAM	12	7	20.42	20.42	20.56	20.45	20.50		
5	64QAM	12	12	20.38	20.49	20.49	20.38	20.48		
5	64QAM	25	0	20.68	20.62	20.55	20.59	20.51		
5	256QAM	1	0	18.58	18.47	18.58	18.51	18.63		
5	256QAM	1	12	18.50	18.36	18.59	18.43	18.45	19	
5	256QAM	1	24	18.38	18.37	18.46	18.47	18.29		
5	256QAM	12	0	18.44	18.53	18.53	18.53	18.53		
5	256QAM	12	7	18.50	18.45	18.50	18.51	18.58		
5	256QAM	12	12	18.37	18.49	18.53	18.44	18.44		



Band 41 FCC&IC PC2 DS15_Standalone Ant 1															
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid-Mid Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Tune-up Int (dB)	MPE (dB)					
Channel															
Frequency (MHz)				36765	40185	46620	41685	41680							
20	QPSK	1	0	23.91	23.93	23.93	23.88	23.95	25.1	0					
20	QPSK	1	49	23.89	23.83	24.15	23.91	24.04							
20	QPSK	1	99	23.85	23.80	24.04	23.73	23.86							
20	QPSK	50	0	23.85	23.79	24.04	23.72	23.92							
20	QPSK	50	24	23.81	23.80	24.01	23.66	23.78							
20	QPSK	50	50	23.75	23.82	23.81	23.57	23.74	25.1	0					
20	QPSK	100	0	23.69	23.67	23.98	23.64	23.90							
20	16QAM	1	0	23.77	23.72	23.86	23.79	23.74							
20	16QAM	1	49	23.64	23.62	23.81	23.78	23.73							
20	16QAM	1	99	23.56	23.59	23.75	23.52	23.69							
20	16QAM	50	0	23.51	23.52	23.41	23.36	23.34	25.1	0					
20	16QAM	50	24	23.11	23.39	23.30	23.30	23.25							
20	16QAM	50	50	23.22	23.50	23.34	23.18	23.35							
20	16QAM	100	0	23.22	23.39	23.25	23.09	23.30							
20	64QAM	1	0	23.50	23.55	23.51	23.41	23.50	25.1	0					
20	64QAM	1	49	23.62	23.45	23.44	23.53	23.45							
20	64QAM	1	99	23.58	23.75	23.69	23.78	23.65							
20	64QAM	50	0	23.01	23.07	23.06	23.05	23.01							
20	64QAM	50	24	23.03	23.02	23.03	23.16	23.10							
20	64QAM	50	50	23.06	23.12	23.10	23.09	23.05	25	0.1					
20	64QAM	100	0	23.11	23.08	23.11	23.03	23.03							
20	256QAM	1	0	21.51	21.49	21.68	21.44	21.58							
20	256QAM	1	49	21.43	21.41	21.61	21.42	21.52							
20	256QAM	1	99	21.30	21.36	21.58	21.41	21.51							
20	256QAM	50	0	21.37	21.38	21.52	21.34	21.46	23	2.1					
20	256QAM	50	24	21.27	21.23	21.48	21.24	21.39							
20	256QAM	50	50	21.23	21.26	21.41	21.20	21.35							
20	256QAM	100	0	21.43	21.37	21.61	21.15	21.34							
Channel															
Frequency (MHz)				36765	40173	46620	41685	41615							
15	QPSK	1	0	23.99	23.93	23.93	23.88	23.95	25	0					
15	QPSK	1	37	23.83	23.93	24.05	23.80	24.02							
15	QPSK	1	74	23.77	23.70	23.78	23.69	23.77							
15	QPSK	36	0	23.82	23.72	24.00	23.84	23.67							
15	QPSK	36	20	23.60	23.67	23.94	23.61	23.75							
15	QPSK	75	0	23.62	23.65	23.78	23.60	23.65	25.1	0					
15	16QAM	1	0	23.52	23.54	23.72	23.70	23.72							
15	16QAM	1	37	23.59	23.50	23.70	23.66	23.66							
15	16QAM	1	74	23.51	23.59	23.70	23.64	23.64							
15	16QAM	36	0	23.45	23.39	23.27	23.20	23.29							
15	16QAM	36	20	23.24	23.17	23.23	23.28	23.14	25.1	0					
15	16QAM	36	36	23.33	23.33	23.32	23.31	23.10							
15	16QAM	75	0	23.29	23.31	23.22	23.25	23.22							
15	64QAM	1	0	23.30	23.52	23.49	23.38	23.57							
15	64QAM	1	37	23.28	23.38	23.59	23.36	23.54							
15	64QAM	1	74	23.31	23.26	23.35	23.30	23.33	25	0.1					
15	64QAM	36	0	23.16	23.12	23.21	23.28	23.13							
15	64QAM	36	20	23.13	23.18	23.20	23.19	23.14							
15	64QAM	75	0	23.09	23.15	23.12	23.15	23.03							
15	256QAM	1	0	21.44	21.44	21.54	21.33	21.45							
15	256QAM	1	37	21.35	21.35	21.45	21.28	21.45	23	2.1					
15	256QAM	1	74	21.25	21.20	21.52	21.31	21.41							
15	256QAM	36	0	21.28	21.27	21.39	21.26	21.30							
15	256QAM	36	20	21.12	21.14	21.18	21.18	21.07							
15	256QAM	36	36	21.14	21.32	21.37	21.12	21.30							
15	256QAM	75	0	21.06	21.19	21.21	21.00	21.11	Tune-up Int (dB)	MPE (dB)					
Channel															
Frequency (MHz)				36765	40173	46620	41685	41615							
10	QPSK	1	0	23.95	23.87	24.10	23.78	24.00	25	0					
10	QPSK	1	25	23.69	23.84	23.88	23.71	24.00							
10	QPSK	1	49	23.70	23.65	23.81	23.68	23.80							
10	QPSK	25	0	23.62	23.68	23.86	23.66	23.80							
10	QPSK	25	12	23.70	23.61	23.83	23.83	23.88							
10	QPSK	25	25	23.44	23.72	23.87	23.65	23.74	25.1	0					
10	16QAM	1	0	23.69	23.71	23.81	23.62	23.85							
10	16QAM	1	0	23.60	23.78	23.89	23.64	23.81							
10	16QAM	1	25	23.43	23.64	23.81	23.60	23.70							
10	16QAM	1	49	23.71	23.62	23.72	23.78	23.80							
10	16QAM	25	0	23.20	23.22	23.40	23.19	23.40	25.1	0					
10	16QAM	25	12	23.17	23.03	23.27	23.07	23.14							
10	16QAM	25	25	23.11	23.06	23.25	23.07	23.17							
10	16QAM	50	0	23.04	23.10	23.30	23.11	23.15							
10	64QAM	1	0	23.35	23.47	23.60	23.46	23.62							
10	64QAM	1	25	23.26	23.47	23.54	23.48	23.48	25.1	0					
10	64QAM	1	49	23.29	23.30	23.46	23.38	23.52							
10	64QAM	25	0	22.73	22.76	23.01	22.81	22.86							
10	64QAM	25	12	22.79	22.77	22.91	22.87	22.82							
10	64QAM	25	25	22.75	22.62	22.95	22.69	22.88							
10	64QAM	50	0	22.64	22.66	22.85	22.75	22.75	25	0.1					
10	256QAM	1	0	21.45	21.46	21.56	21.35	21.48							
10	256QAM	1	25	21.29	21.34	21.51	21.37	21.46							
10	256QAM	1	49	21.26	21.25	21.45	21.33	21.42							
10	256QAM	25	0	21.33	21.29	21.44	21.25	21.41							
10	256QAM	25	12	21.21	21.11	21.25	21.16	21.30	23	2.1					
10	256QAM	25	25	21.11	21.14	21.27	21.11	21.29							
10	256QAM	50	0	21.04	21.04	21.24	21.09	21.18							
Channel															
Frequency (MHz)				36875	40146	46620	41689	41665							
5	QPSK	1	0	22.83	23.87	24.00	23.97	23.94	25	0					
5	QPSK	1	12	22.62	23.08	23.89	23.61	24.00							
5	QPSK	1	24	23.59	23.72	23.78	23.75	23.87							
5	QPSK	12	0	23.62	23.69	23.82	23.74	23.70							
5	QPSK	12	7	23.61	23.76	23.81	23.62	23.67							
5	QPSK	12	13	23.65	23.65	23.85	23.49	23.75	25.1	0					
5	QPSK	25	0	23.53	23.51	23.64	23.57	23.67							
5	16QAM	1	0	23.63	23.64	23.71	23.71	23.70							
5	16QAM	1	12	23.64	23.64	23.81	23.62	23.65							
5	16QAM	1	24	23.56	23.62	23.68	23.50	23.78							
5	16QAM	12	0	23.67	23.67	23.77	23.63	23.65	25.1	0					
5	16QAM	12	7	23.67	23.70	23.77	23.60	23.65							
5	16QAM	12	13	23.61	23.60	23.80	23.43	23.69							
5	16QAM	25	0	23.34	23.47	23.47	23.47	23.44							
5	64QAM	1	0	23.37	23.54	23.61	23.57	23.62							
5	64QAM	1	12	23.38	23.41	23.57	23.47	23.51	25.1	0					
5	64QAM	1	24	23.37	23.48	23.57	23.47	23.51							
5	64QAM	12	0	23.74	22.81	22.96	22.81	22.81							
5	64QAM	12	7	22.70	22.79	22.94	22.74	22.82							
5	64QAM	12	13	22.81	22.86	22.97	22.76	22.87							
5	64QAM	25	0	22.61	22.71	22.83	22.69	22.79	25	0.1					
5	256QAM	1	0	21.38	21.38	21.50	21.28	21.49							
5	256QAM	1	24	21.23	21.29	21.49	21.37	21.49							
5	256QAM	12	0	21.34	21.31	21.49	21.28	21.49							
5	256QAM	12	7	21.16	21.18	21.38	21.11	21.33							
5	256QAM	12	13	21.14	21.13	21.33	21.12	21.31	23	2.1					
5	256QAM	25	0	21.01	21.09	21.29	21.03	21.29							
5	256QAM	25	25	21.01	21.01	21.21	21.01	21.21							

OSM1900 Ant2				Default					
OSM1900		Base Antenna Pattern (dBm)		Tx Power		Frame-Average Power (dBm)			
TX Channel		812	861	810	Limit	812	861	810	Limit
Frequency (MHz)	1892.3	1892.3	1892.3	(dBm)	0.00	1892.3	1892.3	1892.3	(dBm)
OSM 1 Tx Min		28.25	28.33	28.19	20.00	19.25	19.33	19.19	20.00
OSM 1 Tx Max		28.23	28.25	28.13	20.00	19.23	19.25	19.13	20.00
OPNS 3 Tx Min		25.46	25.53	25.40	20.00	19.46	19.53	19.40	20.00
OPNS 3 Tx Max		23.88	24.13	24.00	20.00	19.72	19.87	19.74	20.74
OPNS 4 Tx Min		21.95	22.00	21.90	20.00	19.95	19.99	19.90	20.00
EDGE 1 Tx Min		23.89	23.84	23.81	24.00	18.69	18.64	18.61	19.69
EDGE 2 Tx Min		21.86	22.62	21.80	23.00	15.96	16.03	15.92	17.00
EDGE 3 Tx Min		20.78	20.65	20.70	21.00	16.52	16.59	16.44	17.24
EDGE 4 Tx Min		18.71	18.54	18.68	19.00	15.71	15.74	15.68	16.00
Default WCDMA1 Ant2				Default WCDMA1 Ant2					
Base		WCDMA II		Tx Power		WCDMA IV			
TX Channel		5882	5880	5838	Limit	5312	5313	5313	Limit
Rx Channel		5882	5880	5838	(dBm)	5312	5308	5308	(dBm)
Frequency (MHz)	5872.6	5872.6	5872.6	5872.6	0.00	5312.6	5312.6	5312.6	0.00
SOPP Rel 99	WCD 12 200m	21.56	21.55	21.46	22.00	21.42	21.44	21.37	22.00
SOPP Rel 99	RWCD 12 200m	21.54	21.52	21.49	22.00	21.47	21.53	21.44	23.00
SOPP Rel 9	HS-PA Subcar-1	20.83	20.74	20.40	21.00	20.87	20.86	20.82	21.00
SOPP Rel 6	HS-PA Subcar-2	20.56	20.69	20.53	21.00	20.47	20.61	20.43	21.00
SOPP Rel 6	HS-PA Subcar-3	20.57	20.77	20.54	21.00	19.67	20.04	19.69	21.00
SOPP Rel 6	HS-PA Subcar-4	20.02	20.10	20.09	21.00	19.88	20.06	20.05	21.00
SOPP Rel 6	DC-HSPA Subcar-1	20.55	20.73	20.51	21.00	20.46	20.56	20.59	21.00
SOPP Rel 6	DC-HSPA Subcar-2	20.34	20.41	20.40	21.00	20.29	20.37	20.31	21.00
SOPP Rel 6	DC-HSPA Subcar-3	19.86	19.98	19.84	21.00	19.80	19.87	19.83	21.00
SOPP Rel 6	DC-HSPA Subcar-4	19.93	19.95	19.80	21.00	19.70	19.80	19.64	21.00
SOPP Rel 6	HS-PA Subcar-1	20.59	20.72	20.71	21.00	20.49	20.65	20.60	21.00
SOPP Rel 6	HS-PA Subcar-2	19.59	19.62	19.45	19.00	19.46	19.49	19.39	19.00
SOPP Rel 6	HS-PA Subcar-3	19.08	19.09	19.00	20.00	19.49	19.51	19.45	20.00
SOPP Rel 6	HS-PA Subcar-4	18.43	18.57	18.41	19.00	18.38	18.44	18.33	19.00
SOPP Rel 6	HS-PA Subcar-5	20.00	20.02	20.06	21.00	20.46	20.53	20.49	21.00



Band 2 Default Ant 2									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Fires	Power High Ch./Fires	Power High Ch./Fires	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.12	21.24	21.07			
20	QPSK	1	49	21.02	21.04	20.92	22	0	
20	QPSK	1	99	20.92	21.04	20.92			
20	QPSK	50	0	21.06	21.20	21.10			
20	QPSK	50	24	20.94	21.06	20.94			
20	QPSK	50	50	20.88	21.01	20.98	22	0	
20	QPSK	100	0	21.01	21.12	21.03			
20	QPSK	100	24	21.06	21.17	21.08			
20	16QAM	1	49	20.94	21.03	20.99	22	0	
20	16QAM	1	99	20.90	20.99	20.83			
20	16QAM	50	0	20.95	21.07	20.97			
20	16QAM	50	24	20.80	20.90	20.84			
20	16QAM	50	50	20.76	20.88	20.81	22	0	
20	16QAM	100	0	20.90	21.09	20.99			
20	64QAM	1	0	20.97	21.18	21.10			
20	64QAM	1	49	21.01	21.07	21.02	22	0	
20	64QAM	1	99	20.93	21.06	20.98			
20	64QAM	50	0	20.87	21.07	20.84			
20	64QAM	50	24	20.79	20.90	20.83	21	1	
20	64QAM	50	50	20.74	20.84	20.78			
20	256QAM	1	49	18.05	18.24	17.99	19	3	
20	256QAM	1	99	18.02	18.08	18.02			
20	256QAM	50	0	18.11	18.24	18.08			
20	256QAM	50	24	17.88	17.99	17.88	19	3	
20	256QAM	50	50	17.86	17.95	17.88			
20	256QAM	100	0	17.87	17.99	17.90			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.07	18.08	18.02			
15	QPSK	1	49	21.01	21.18	20.82	22	0	
15	QPSK	1	99	20.92	20.98	20.84			
15	QPSK	1	74	20.84	20.88	20.82			
15	QPSK	36	0	20.87	21.08	21.06			
15	QPSK	36	24	20.79	20.84	20.84	22	0	
15	QPSK	36	36	20.81	20.92	20.87			
15	QPSK	75	0	20.86	21.07	20.87			
15	16QAM	1	49	21.01	21.04	20.92			
15	16QAM	1	37	20.90	20.93	20.88	22	0	
15	16QAM	1	37	20.87	20.90	20.88			
15	16QAM	36	0	20.80	20.98	20.92			
15	16QAM	36	20	20.77	20.87	20.88	22	0	
15	16QAM	36	20	20.74	20.84	20.84			
15	16QAM	75	0	20.78	20.99	20.82			
15	64QAM	1	0	20.86	21.07	21.04			
15	64QAM	1	37	20.86	20.90	20.86	22	0	
15	64QAM	1	74	20.85	20.90	20.85			
15	64QAM	36	0	19.82	19.89	19.78			
15	64QAM	36	20	19.84	19.84	19.84	21	1	
15	64QAM	36	36	19.97	19.93	19.84			
15	64QAM	75	0	19.77	19.88	19.86			
15	256QAM	1	37	18.00	18.18	17.88	19	3	
15	256QAM	1	74	18.06	17.99	17.82			
15	256QAM	36	0	17.71	17.81	17.81	19	3	
15	256QAM	36	20	17.83	17.82	17.82			
15	256QAM	75	0	17.77	17.82	17.82			
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.16	20.16	20.16			
10	QPSK	1	25	20.07	21.02	20.85	22	0	
10	QPSK	1	49	20.79	20.99	20.88			
10	QPSK	1	25	20.07	21.02	20.85			
10	QPSK	25	12	20.88	20.92	20.85	22	0	
10	QPSK	25	25	20.82	20.95	20.91			
10	QPSK	25	36	20.81	21.02	20.94			
10	16QAM	1	0	21.03	21.08	21.07			
10	16QAM	1	25	20.88	20.90	20.91	22	0	
10	16QAM	1	49	20.79	20.99	20.88			
10	16QAM	25	12	20.86	20.90	20.88	22	0	
10	16QAM	25	25	20.80	20.92	20.88			
10	16QAM	50	0	20.80	20.95	20.77			
10	64QAM	1	0	20.82	21.08	21.03	22	0	
10	64QAM	1	49	20.80	20.94	20.83			
10	64QAM	25	12	19.80	19.89	19.73			
10	64QAM	25	25	19.82	19.71	19.82	21	1	
10	64QAM	25	36	19.85	19.88	19.85			
10	256QAM	1	12	18.02	18.18	17.98	19	3	
10	256QAM	1	49	17.99	18.11	17.87			
10	256QAM	1	74	18.03	17.96	17.82			
10	256QAM	25	12	17.75	17.86	17.83			
10	256QAM	25	25	17.78	17.85	17.81	19	3	
10	256QAM	25	36	17.81	17.85	17.80			
10	256QAM	50	0	17.72	17.86	17.75			
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.16	20.16	20.16			
5	QPSK	1	12	20.03	20.94	20.85	22	0	
5	QPSK	1	24	20.77	20.89	20.85			
5	QPSK	1	12	20.02	21.08	20.82			
5	QPSK	12	7	20.84	20.94	20.88	22	0	
5	QPSK	12	13	20.79	20.83	20.83			
5	QPSK	25	0	20.85	21.07	20.84			
5	16QAM	1	0	20.93	21.12	21.03			
5	16QAM	1	12	20.86	20.93	20.92	22	0	
5	16QAM	1	24	20.76	20.95	20.85			
5	16QAM	12	0	20.81	20.96	20.85			
5	16QAM	12	7	20.72	20.87	20.80	22	0	
5	16QAM	12	13	20.63	20.74	20.69			
5	16QAM	25	0	20.82	20.95	20.78			
5	64QAM	1	0	20.86	21.09	21.02	22	0	
5	64QAM	1	12	20.98	21.02	20.94			
5	64QAM	1	24	20.82	20.90	20.91			
5	64QAM	12	0	19.74	19.83	19.75			
5	64QAM	12	7	19.88	19.78	19.82	21	1	
5	64QAM	12	13	19.83	19.63	19.68			
5	64QAM	25	0	19.80	19.82	19.86			
5	256QAM	1	12	18.00	18.15	17.84	19	3	
5	256QAM	1	12	18.01	18.16	17.82			
5	256QAM	12	7	17.80	17.82	17.81	19	3	
5	256QAM	12	13	17.75	17.87	17.79			
5	256QAM	25	0	17.71	17.86	17.82			
Channel									
Frequency (MHz)									
3	QPSK	1	0	20.38	21.14	20.95			
3	QPSK	1	8	20.85	20.91	20.88	22	0	
3	QPSK	1	14	20.85	20.99	20.84			
3	QPSK	1	14	20.85	21.15	21.07			
3	QPSK	8	4	20.83	20.89	20.89	22	0	
3	QPSK	8	7	20.78	20.96	20.87			
3	QPSK	16	0	20.88	21.00	20.94			
3	16QAM	1	0	20.99	21.08	20.98			
3	16QAM	1	8	20.83	20.93	20.92	22	0	
3	16QAM	1	14	20.86	20.90	20.89			
3	16QAM	8	0	20.91	21.02	20.94			
3	16QAM	8	4	20.76	20.72	20.84	22	0	
3	16QAM	8	7	20.63	20.74	20.69			
3	16QAM	16	0	20.79	20.95	20.83			
3	64QAM	1	0	20.93	21.09	21.06			
3	64QAM	1	8	20.96	20.93	20.89	22	0	
3	64QAM	1	14	20.89	20.93	20.91			
3	64QAM	8	0	19.74	19.71	19.82	21	1	
3	64QAM	8	7	19.59	19.67	19.62			
3	64QAM	16	0	18.00	18.12	17.89	19	3	
3	256QAM	1	8	18.00	18.13	17.89			
3	256QAM	1	14	17.92	17.97	17.85			
3	256QAM	8	4	17.78	17.82	17.76	19	3	
3	256QAM	8	7	17.82	17.90	17.80			
3	256QAM	16	0	17.76	17.91	17.82			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	21.03	21.18	20.96			
1.4	QPSK	1	3	20.91	20.96	20.85	22	0	
1.4	QPSK	1	5	20.81	20.99	20.86			
1.4	QPSK	3	0	21.02	21.10	21.07			
1.4	QPSK	3	1	20.91	20.96	20.91			
1.4	QPSK	3	3	20.74	20.98	20.91	22	0	
1.4	QPSK	6	0	20.87	20.97	20.91			
1.4	16QAM	1	0	21.00	21.05	20.97			
1.4	16QAM	1	3	20.83	20.89	20.87	22	0	
1.4	16QAM	1	5	20.83	20.89	20.87			
1.4	16QAM	3	0	20.86	20.92	20.85			
1.4	16QAM	3	1	20.79	20.82	20.78	22	0	
1.4	16QAM	3	3	20.83	20.93	20.89			
1.4	16QAM	6	0	20.78	20.96	20.83	22	0	
1.4	16QAM	6	1	21.04	21.05	21.04			
1.4	16QAM	6	3	20.91	21.05	20.97			
1.4	16QAM	6	5	20.83	20.89	20.87	22	0	
1.4	16QAM	6	7	20.79	20.82	20.79			
1.4	16QAM	6	9	20.86	20.93	20.89			
1.4	16QAM	6	11	20.85	20.95	20.86			
1.4	16QAM	6	13	20.85	20.95	20.86			
1.4	16QAM	6	15	20.85	20.95	20.86			
1.4	16QAM	6	17	20.85	20.95	20.86			
1.4	16QAM	6	19	20.85	20.95	20.86			
1.4	16QAM	6	21	20.85	20.95	20.86			
1.4	16QAM	6	23	20.85	20.95	20.86			
1.4	16QAM	6	25	20.85	20.95	20.86			
1.4	16QAM	6	27	20.85	20.95	20.86			
1.4	16QAM	6	29	20.85	20.95	20.86			
1.4	16QAM	6	31	20.85	20.95	20.86			

[illegible]

Band 13 Default Ant 2									
RF Band	Modulation	RF Ss	RF Cnt	Power Level Ch. Freq.	Power Level Ch. Freq.	Power Level Ch. Freq.	Turn-on (dBm)	MTR (dB)	
Channel				22520			102		
10	QPSK	1	0		22.53				
10	QPSK	1	20		22.40		24	0	
10	QPSK	1	40		22.43				
10	QPSK	25	0		22.45				
10	QPSK	25	12		22.32		24	0	
10	QPSK	25	24		22.28				
10	QPSK	50	0		22.30				
10	16QAM	1	0		22.48				
10	16QAM	1	20		22.47				
10	16QAM	1	40		22.40				
10	16QAM	25	12		22.44				
10	16QAM	25	24		22.35		24	0	
10	16QAM	50	0		22.26				
10	16QAM	50	0		22.45				
10	16QAM	1	40		22.41		24	0	
10	16QAM	1	20		22.42				
10	16QAM	25	12		22.28		24	0	
10	16QAM	25	24		22.14				
10	16QAM	50	0		22.26				
10	256QAM	1	0		19.80				
10	256QAM	1	20		19.59		21	3	
10	256QAM	1	40		19.62				
10	256QAM	25	0		19.82				
10	256QAM	25	12		19.26		21	3	
10	256QAM	25	24		19.24				
10	256QAM	50	0		19.28				
Channel				23005			23020		
Channel				23015			102		
5	QPSK	1	0	22.47	22.50	22.40			
5	QPSK	1	12	22.33	22.35	22.39		24	0
5	QPSK	1	24	22.34	22.44	22.44			
5	QPSK	1	36	22.41	22.37	22.40			
5	QPSK	15	7	22.25	22.28	22.28		24	0
5	QPSK	15	14	22.23	22.21	22.21			
5	QPSK	25	0	22.22	22.30	22.30			
5	16QAM	1	0	22.42	22.48	22.43			
5	16QAM	1	12	22.28	22.44	22.46		24	0
5	16QAM	1	24	22.34	22.33	22.41			
5	16QAM	15	0	22.41	22.41	22.40			
5	16QAM	15	12	22.33	22.33	22.37		24	0
5	16QAM	12	13	22.17	22.25	22.25			
5	16QAM	25	0	22.41	22.47	22.46			
5	16QAM	25	12	22.30	22.30	22.29			
5	16QAM	1	12	22.37	22.42	22.35		24	0
5	16QAM	1	24	22.33	22.32	22.35			
5	16QAM	15	0	21.28	21.28	21.25			
5	16QAM	12	10	21.11	21.20	21.17			
5	16QAM	12	19	20.97	21.07	21.01		22.8	1.5
5	256QAM	1	0	21.07	21.05	21.08			
5	256QAM	1	12	19.52	19.51	19.53			
5	256QAM	1	24	19.49	19.43	19.50		21	3
5	256QAM	15	0	19.55	19.29	19.34			
5	256QAM	12	10	19.36	19.43	19.36			
5	256QAM	12	7	19.22	19.24	19.25		21	3
5	256QAM	15	13	19.17	19.20	19.17			
5	256QAM	1	24	19.27	19.18	19.20			

Band 14 Default Ant 2									
RF Band	Modulation	RF Sigs	RF Sigs Offset	Power Level [dBm]	Power Level [dBm]	Power Level [dBm]	Power Level [dBm]	Transmit Rate (Mbps)	MPE (dB)
Channels				23.65	23.65	23.65	23.65		
Frequency (MHz)				23.65	23.65	23.65	23.65		
5	QPSK	1	0	-22.82	-22.82	-22.82	-22.82		
5	QPSK	1	20	-22.47	-22.47	-22.47	-22.47	24	0
5	QPSK	1	40	-22.48	-22.48	-22.48	-22.48	24	0
5	QPSK	25	0	-22.50	-22.50	-22.50	-22.50		
5	QPSK	25	12	-22.48	-22.48	-22.48	-22.48	24	0
5	QPSK	25	24	-22.50	-22.50	-22.50	-22.50		
5	QPSK	50	0	-22.44	-22.44	-22.44	-22.44		
5	16QAM	1	0	-22.49	-22.49	-22.49	-22.49	24	0
5	16QAM	1	20	-22.48	-22.48	-22.48	-22.48	24	0
5	16QAM	1	40	-22.48	-22.48	-22.48	-22.48	24	0
5	16QAM	25	0	-22.52	-22.52	-22.52	-22.52		
5	16QAM	25	12	-22.41	-22.41	-22.41	-22.41	24	0
5	16QAM	25	24	-22.28	-22.28	-22.28	-22.28		
5	16QAM	50	0	-22.58	-22.58	-22.58	-22.58		
5	16QAM	50	12	-22.41	-22.41	-22.41	-22.41	22.5	1.5
5	16QAM	1	20	-22.49	-22.49	-22.49	-22.49		
5	16QAM	1	40	-22.48	-22.48	-22.48	-22.48	21	3
5	16QAM	25	0	-22.41	-22.41	-22.41	-22.41		
5	16QAM	25	12	-21.22	-21.22	-21.22	-21.22	22.5	1.5
5	16QAM	25	24	-21.08	-21.08	-21.08	-21.08		
5	256QAM	1	0	-19.82	-19.82	-19.82	-19.82		
5	256QAM	1	20	-19.88	-19.88	-19.88	-19.88	21	3
5	256QAM	1	40	-19.51	-19.51	-19.51	-19.51		
5	256QAM	25	0	-19.48	-19.48	-19.48	-19.48		
5	256QAM	25	12	-19.29	-19.29	-19.29	-19.29	21	3
5	256QAM	25	24	-19.28	-19.28	-19.28	-19.28		
5	256QAM	50	0	-19.37	-19.37	-19.37	-19.37		
Channels				23.65	23.65	23.65	23.65		
Frequency (MHz)				23.65	23.65	23.65	23.65		
5	QPSK	1	0	-22.51	-22.57	-22.47	-22.47		
5	QPSK	1	12	-22.32	-22.33	-22.38	-22.38	24	0
5	QPSK	1	24	-22.48	-22.48	-22.48	-22.48		
5	QPSK	12	0	-22.39	-22.43	-22.41	-22.41		
5	QPSK	12	7	-22.27	-22.30	-22.31	-22.31	24	0
5	QPSK	12	13	-22.27	-22.27	-22.27	-22.27		
5	QPSK	25	0	-22.32	-22.37	-22.37	-22.37		
5	16QAM	1	0	-22.41	-22.37	-22.40	-22.40		
5	16QAM	1	12	-22.38	-22.38	-22.39	-22.39		
5	16QAM	1	24	-22.44	-22.44	-22.44	-22.44	24	0
5	16QAM	12	0	-22.43	-22.48	-22.48	-22.48		
5	16QAM	12	7	-22.28	-22.28	-22.38	-22.38	24	0
5	16QAM	12	13	-22.18	-22.21	-22.25	-22.25		
5	16QAM	25	0	-22.42	-22.48	-22.50	-22.50		
5	16QAM	25	12	-22.28	-22.37	-22.38	-22.38		
5	16QAM	1	12	-22.41	-22.40	-22.45	-22.45	24	0
5	16QAM	1	24	-22.38	-22.41	-22.39	-22.39		
5	16QAM	12	0	-21.21	-21.27	-21.20	-21.20	22.5	1.5
5	16QAM	12	7	-21.08	-21.18	-21.13	-21.13		
5	16QAM	12	13	-21.01	-21.02	-21.02	-21.02		
5	16QAM	25	0	-21.16	-21.16	-21.18	-21.18		
5	16QAM	25	12	-19.51	-19.52	-19.57	-19.57	21	3
5	256QAM	1	0	-12.16	-19.64	-19.60	-19.60	21	3
5	256QAM	1	24	-19.51	-19.51	-19.57	-19.57		
5	256QAM	12	0	-19.44	-19.33	-19.34	-19.34		
5	256QAM	12	7	-19.20	-19.22	-19.24	-19.24	21	3
5	256QAM	12	13	-19.21	-19.29	-19.29	-19.29		
5	256QAM	25	0	-19.31	-19.33	-19.34	-19.34		

Band 17 Default Ant 2									
RF Band	Modulation	RB Size	RB Offset	Power Spectral Density 257KHz	Power Spectral Density Ch. 1/Ch. 2	Power Spectral Density Ch. 3/Ch. 4	Power Spectral Density Ch. 5/Ch. 6	Channel Width (MHz)	MPEL (dB)
10	QPSK	1	0	22.45	22.48	22.41			
10	QPSK	1	25	22.38	22.29	22.34		24	0
10	QPSK	25	0	22.31	22.34	22.40			
10	QPSK	25	0	22.35	22.39	22.31			
10	QPSK	25	12	22.18	22.24	22.23		24	0
10	QPSK	25	12	22.21	22.27	22.17			
10	QPSK	50	0	22.29	22.31	22.24			
10	16QAM	1	0	22.30	22.35	22.32			
10	16QAM	1	25	22.28	22.28	22.38		24	0
10	16QAM	1	49	22.17	22.31	22.30			
10	16QAM	25	0	22.34	22.42	22.32			
10	16QAM	25	12	22.22	22.23	22.30		24	0
10	16QAM	25	25	22.13	22.10	22.08			
10	16QAM	50	0	22.36	22.41	22.43			
10	16QAM	50	12	22.27	22.32	22.30			
10	64QAM	1	26	22.31	22.35	22.33		24	0
10	64QAM	1	49	22.30	22.35	22.27			
10	64QAM	25	0	22.25	22.25	22.23			
10	64QAM	25	12	21.05	21.11	21.05		22.8	1.5
10	64QAM	25	25	20.89	20.96	20.88			
10	64QAM	50	0	21.13	21.13	21.13		21	3
10	256QAM	1	0	19.46	19.48	19.43			
10	256QAM	1	25	18.60	18.57	18.59		21	3
10	256QAM	1	50	19.32	19.32	19.27			
10	256QAM	25	0	19.33	19.30	19.34			
10	256QAM	25	12	19.10	19.20	19.21			
10	256QAM	25	25	18.16	18.16	18.16		21	3
10	256QAM	50	0	19.19	19.19	19.21			
10	Frequency Chirp	0		23.76	23.90	23.93		Channel Width (MHz)	MPEL (dB)
10	Frequency Chirp	10	0	23.73	23.73	23.73			
10	QPSK	1	0	22.39	22.45	22.29			
5	QPSK	1	12	22.34	22.16	22.20		24	0
5	QPSK	1	24	22.11	22.17	22.17			
5	QPSK	12	0	22.27	22.28	22.17			
5	QPSK	12	7	22.08	22.12	22.12			
5	QPSK	12	18	22.15	22.16	22.16			
5	QPSK	25	0	22.20	22.21	22.14			
5	16QAM	1	0	22.21	22.28	22.28			
5	16QAM	1	12	22.08	22.25	22.27		24	0
5	16QAM	1	24	22.07	22.24	22.28			
5	16QAM	12	0	22.25	22.28	22.23			
5	16QAM	12	12	22.12	22.16	22.16			
5	16QAM	12	18	22.08	22.01	22.01		24	0
5	16QAM	25	0	22.21	22.34	22.31			
5	16QAM	25	12	22.10	22.10	22.10			
5	64QAM	1	12	22.24	22.29	22.25		24	0
5	64QAM	1	24	22.27	22.23	22.18			
5	64QAM	12	0	22.19	22.21	22.11			
5	64QAM	12	7	20.99	21.01	20.99		22.8	1.5
5	64QAM	12	18	20.83	20.84	20.85			
5	256QAM	1	0	21.12	21.00	20.99			
5	256QAM	1	12	19.33	19.39	19.38		21	3
5	256QAM	1	24	19.34	19.47	19.34			
5	256QAM	12	0	19.26	19.21	19.25		21	3
5	256QAM	12	7	18.96	19.12	19.10			
5	256QAM	12	18	19.07	18.98	19.08		21	3
5	256QAM	25	0	19.18	19.18	19.04			



Band 25 Default Ant 2									
BW [MHz]	Modulation	RIS Size	RIS Offset	Power Mod Ch./F.Freq.	Power Mod Ch./F.Freq.	Power Mod Ch./F.Freq.	Turnup time (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.18	23.25	23.31			
20	QPSK	1	49	23.25	23.29	23.33	24	0	
20	QPSK	1	99	23.00	23.19	23.03			
20	QPSK	50	0	23.16	23.20	23.19			
20	QPSK	50	24	23.13	23.18	23.14	24	0	
20	QPSK	50	50	23.01	23.09	23.05			
20	QPSK	100	0	23.11	23.22	23.15			
20	QPSK	100	24	23.13	23.17	23.14	24	0	
20	16QAM	1	49	23.05	23.14	23.07			
20	16QAM	1	99	22.99	23.09	23.04	24	0	
20	16QAM	50	24	22.84	22.89	22.86			
20	16QAM	50	50	22.77	22.84	22.82	24	0	
20	16QAM	100	0	22.84	23.15	23.01			
20	64QAM	1	49	22.98	23.02	22.96	24	0	
20	64QAM	1	99	22.88	23.00	22.92			
20	64QAM	50	24	21.93	22.04	21.97	23	1	
20	64QAM	50	50	21.82	21.95	21.85			
20	64QAM	100	0	22.06	22.05	22.03			
20	256QAM	1	49	19.94	19.19	19.02	21	3	
20	256QAM	1	99	19.89	19.83	19.87			
20	256QAM	50	24	19.82	19.85	19.85			
20	256QAM	50	50	19.95	19.99	19.97	21	3	
20	256QAM	50	50	19.82	19.84	19.87			
20	256QAM	100	0	19.82	19.87	19.89			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.07	23.26	23.17			
15	QPSK	1	24	23.01	23.19	23.04	24	0	
15	QPSK	1	74	23.01	23.09	23.00			
15	QPSK	36	0	23.02	23.10	23.14			
15	QPSK	36	24	23.07	23.08	23.07	24	0	
15	QPSK	36	39	22.99	23.01	23.01			
15	QPSK	75	0	23.06	23.14	23.09			
15	16QAM	1	0	22.98	23.15	23.03			
15	16QAM	1	37	22.96	23.04	22.94	24	0	
15	16QAM	1	74	22.94	22.99	22.96			
15	16QAM	36	20	22.70	22.95	22.90			
15	16QAM	36	20	22.79	22.79	22.83	24	0	
15	16QAM	36	24	22.80	22.80	22.80			
15	16QAM	75	0	22.90	23.13	22.90			
15	64QAM	1	0	22.87	23.04	22.91	24	0	
15	64QAM	1	0	22.82	23.02	22.84			
15	64QAM	1	74	22.76	22.97	22.78			
15	64QAM	36	0	21.89	22.07	22.02	23	1	
15	64QAM	75	0	22.85	22.99	22.88			
15	64QAM	36	99	21.70	21.75	21.71			
15	64QAM	75	0	22.02	22.01	21.98			
15	256QAM	1	0	19.82	19.87	19.86			
15	256QAM	1	37	19.91	19.10	19.98	21	3	
15	256QAM	1	74	19.87	19.78	19.91			
15	256QAM	36	0	19.85	19.85	19.85			
15	256QAM	36	20	19.91	19.92	19.92	21	3	
15	256QAM	36	39	19.72	19.80	19.75			
15	256QAM	75	0	19.83	19.87	19.87			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.87	23.15	23.09	24	0	
10	QPSK	1	25	22.87	23.15	23.09			
10	QPSK	1	49	22.80	23.00	23.00			
10	QPSK	25	0	23.03	23.09	23.07	24	0	
10	QPSK	25	25	23.04	22.86	22.92			
10	QPSK	25	49	23.05	23.12	23.04			
10	16QAM	1	0	23.06	23.14	23.07			
10	16QAM	1	25	22.81	23.10	23.02	24	0	
10	16QAM	25	12	22.81	22.85	22.84			
10	16QAM	25	12	22.70	22.81	22.76	24	0	
10	16QAM	50	0	22.81	23.03	22.92			
10	64QAM	1	0	22.84	23.02	22.84	24	0	
10	64QAM	1	0	22.86	23.02	22.87			
10	64QAM	1	49	22.85	22.94	22.81			
10	64QAM	25	0	21.89	22.10	22.02	23	1	
10	64QAM	25	0	21.87	22.09	21.91			
10	64QAM	25	25	21.77	21.83	21.77			
10	64QAM	50	0	21.97	21.88	21.94			
10	64QAM	50	0	21.81	22.02	21.97			
10	256QAM	1	25	19.92	19.07	19.91	21	3	
10	256QAM	1	49	19.82	19.82	19.86			
10	256QAM	25	12	19.86	19.86	19.86			
10	256QAM	25	12	19.86	19.80	19.86	21	3	
10	256QAM	25	25	19.77	19.80	19.76			
10	256QAM	50	0	19.83	19.87	19.87			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.90	23.17	23.11	24	0	
5	QPSK	1	12	22.86	23.17	23.11			
5	QPSK	1	24	22.88	23.02	23.00			
5	QPSK	12	0	23.15	23.15	23.15			
5	QPSK	12	7	23.07	23.10	23.07	24	0	
5	QPSK	12	13	22.90	23.02	23.01			
5	16QAM	1	0	23.07	23.13	23.07			
5	16QAM	1	12	22.97	23.09	22.95	24	0	
5	16QAM	12	0	22.84	23.03	22.93			
5	16QAM	12	0	22.81	22.82	22.87			
5	16QAM	12	7	22.74	22.85	22.78	24	0	
5	16QAM	12	13	22.74	22.74	22.72			
5	16QAM	25	0	22.81	23.08	22.94			
5	64QAM	1	0	22.80	23.11	22.90	24	0	
5	64QAM	1	0	22.82	23.09	22.78			
5	64QAM	1	12	22.73	22.90	22.83			
5	64QAM	12	0	21.87	22.02	22.01	23	1	
5	64QAM	12	0	21.88	21.99	21.85			
5	64QAM	12	13	21.68	21.81	21.76			
5	64QAM	25	0	21.92	21.97	21.97			
5	256QAM	1	0	19.81	19.80	19.86	21	3	
5	256QAM	1	12	19.85	19.90	19.89			
5	256QAM	12	0	19.76	19.76	19.81			
5	256QAM	12	13	19.86	19.86	19.86	21	3	
5	256QAM	12	13	19.71	19.81	19.84			
5	256QAM	25	0	19.83	19.85	19.82			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.18	23.23	23.22	24	0	
3	QPSK	1	8	20.88	23.17	23.13			
3	QPSK	1	14	22.97	23.04	22.99			
3	QPSK	3	0	23.11	23.15	23.12	24	0	
3	QPSK	3	4	23.10	23.10	23.07			
3	QPSK	8	7	22.94	22.91	22.93			
3	16QAM	1	0	23.02	23.12	23.11			
3	16QAM	1	0	23.04	23.14	23.11	24	0	
3	16QAM	1	8	23.01	23.05	22.94			
3	16QAM	1	8	22.85	22.87	22.96			
3	16QAM	8	0	22.80	22.83	22.79	24	0	
3	16QAM	8	4	22.73	22.80	22.76			
3	16QAM	15	0	22.68	22.79	22.70			
3	16QAM	15	0	22.90	23.03	22.93			
3	16QAM	1	0	22.87	23.09	22.91	24	0	
3	16QAM	1	8	22.84	22.96	22.86			
3	64QAM	1	14	22.78	22.86	22.82			
3	64QAM	8	0	21.81	22.01	21.94	23	1	
3	64QAM	8	0	21.82	21.90	21.91			
3	64QAM	8	7	21.74	21.82	21.74			
3	64QAM	15	0	19.84	19.89	19.89			
3	256QAM	1	8	19.81	19.11	19.88	21	3	
3	256QAM	1	8	19.84	19.85	19.85			
3	256QAM	8	0	19.91	19.02	19.89			
3	256QAM	8	4	19.80	19.88	19.85	21	3	
3	256QAM	8	4	19.79	19.80	19.79			
3	256QAM	15	0	19.89	19.02	19.77			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.15	23.23	23.23	24	0	
1.4	QPSK	1	5	22.88	23.17	23.14			
1.4	QPSK	1	5	22.93	22.99	22.99			
1.4	QPSK	3	0	23.02	23.07	23.07	24	0	
1.4	QPSK	3	1	23.03	23.06	22.99			
1.4	16QAM	1	0	22.87	23.03	22.96			
1.4	16QAM	1	0	22.99	23.10	23.01	24	0	
1.4	16QAM	1	0	22.85	23.02	22.96			
1.4	16QAM	1	0	22.85	23.02	23.00			
1.4	16QAM	3	0	22.80	22.98	22.89			
1.4	16QAM	3	0	22.72	22.82	22.81	24	0	
1.4	16QAM	3	0	22.68	22.81	22.73			
1.4	16QAM	6	0	22.84	23.03	22.93	24	0	
1.4	16QAM	6	0	22.77	22.97	22.85			
1.4	16QAM	6	0	22.81	23.02	22.89			
1.4	16QAM	6	0	22.67	22.71	22.72	24	0	
1.4	16QAM	6	0	22.67	22.71	22.71			
1.4	256QAM	1	0	19.93	19.12	19.90	23	1	
1.4	256QAM	1	8	19.84	19.88	19.89			
1.4	256QAM	1	8	19.89	19.08	19.86	21	3	
1.4	256QAM	3	0	19.92	19.89	19.89			
1.4	256QAM	3	0	19.72	19.84	19.75			
1.4	256QAM	6	0	19.84	19.84	19.73	21	3	

Band 38 DSIS_Standalone Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				37850	38000	38150				
20	QPSK	1	0	22.20	22.04	22.12				
20	QPSK	1	49	22.03	22.07	21.99	23	0		
20	QPSK	1	99	22.02	22.10	21.90				
20	QPSK	50	0	22.07	22.16	22.00				
20	QPSK	50	24	22.00	22.08	22.00	23	0		
20	QPSK	50	50	21.93	22.03	21.80				
20	QPSK	100	0	22.04	22.11	21.95				
20	16QAM	1	0	22.01	22.17	22.00				
20	16QAM	1	49	21.99	22.02	22.03	23	0		
20	16QAM	1	99	21.88	21.92	21.92				
20	16QAM	50	0	21.94	21.92	21.94				
20	16QAM	50	24	21.91	21.96	21.90	22.5	0.5		
20	16QAM	50	50	21.90	21.90	21.40				
20	16QAM	100	0	21.92	21.97	21.90				
20	64QAM	1	0	21.92	21.64	21.92	22.5	0.5		
20	64QAM	1	99	21.51	21.63	21.50				
20	64QAM	50	0	20.93	20.75	20.90				
20	64QAM	50	24	20.49	20.58	20.59	21.5	1.5		
20	64QAM	50	50	20.45	20.51	20.45				
20	64QAM	100	0	20.52	20.58	20.48				
20	256QAM	1	0	18.57	18.78	18.50				
20	256QAM	1	49	18.54	18.78	18.50	19.5	3.5		
20	256QAM	1	99	18.46	18.58	18.50				
20	256QAM	36	0	18.45	18.57	18.50				
20	256QAM	50	24	18.58	18.62	18.54	19.5	3.5		
20	256QAM	50	50	18.45	18.58	18.48				
20	256QAM	100	0	18.41	18.72	18.40				
Channel										
Frequency (MHz)				37850	38000	38150	Turn-up limit (dBm)	MPR (dB)		
				22.11	22.20	22.12				
16	QPSK	1	0	22.11	22.20	22.10				
16	QPSK	1	37	21.84	21.93	21.89	23	0		
16	QPSK	1	74	21.88	21.96	21.79				
16	QPSK	36	0	22.00	22.06	21.90				
16	QPSK	36	20	21.86	21.95	21.92	23	0		
16	QPSK	75	0	21.84	22.04	21.91				
16	16QAM	1	0	21.96	22.04	21.97				
16	16QAM	1	37	21.91	21.91	21.90	23	0		
16	16QAM	1	74	21.76	21.78	21.78				
16	16QAM	36	0	21.40	21.61	21.41				
16	16QAM	36	20	21.40	21.42	21.40	22.5	0.5		
16	16QAM	36	39	21.38	21.38	21.38				
16	16QAM	75	0	21.48	21.68	21.41				
16	64QAM	1	0	21.52	21.63	21.46				
16	64QAM	1	37	21.38	21.61	21.44	22.5	0.5		
16	64QAM	1	74	21.41	21.49	21.44				
16	64QAM	36	0	20.55	20.69	20.52				
16	64QAM	36	20	20.45	20.47	20.45	21.5	1.5		
16	64QAM	36	39	20.48	20.45	20.43				
16	64QAM	75	0	20.48	20.45	20.43				
16	256QAM	1	0	18.45	18.70	18.53	19.5	3.5		
16	256QAM	1	37	18.45	18.66	18.51				
16	256QAM	1	74	18.39	18.44	18.47				
16	256QAM	36	0	18.58	18.72	18.59				
16	256QAM	36	20	18.50	18.61	18.46	19.5	3.5		
16	256QAM	36	39	18.33	18.46	18.43				
16	256QAM	75	0	18.50	18.64	18.47				
Channel										
Frequency (MHz)				37850	38000	38200	Turn-up limit (dBm)	MPR (dB)		
				22.06	22.14	22.10				
10	QPSK	1	0	21.97	22.14	21.97				
10	QPSK	1	25	21.97	21.94	21.93	23	0		
10	QPSK	1	49	21.97	21.98	21.81				
10	QPSK	25	0	21.84	22.00	21.90				
10	QPSK	25	12	21.88	21.86	21.90	23	0		
10	QPSK	25	25	21.90	21.89	21.75				
10	QPSK	50	0	21.87	22.01	21.82				
10	16QAM	1	0	21.82	22.10	22.00				
10	16QAM	1	25	21.94	21.86	21.91	23	0		
10	16QAM	1	49	21.75	21.79	21.88				
10	16QAM	25	0	21.41	21.64	21.44				
10	16QAM	25	12	21.43	21.41	21.44	22.5	0.5		
10	16QAM	25	25	21.44	21.40	21.38				
10	16QAM	50	0	21.42	21.62	21.45				
10	64QAM	1	0	21.56	21.66	21.53				
10	64QAM	1	25	21.38	21.59	21.43	22.5	0.5		
10	64QAM	1	49	21.36	21.49	21.44				
10	64QAM	25	0	20.54	20.66	20.51				
10	64QAM	25	12	20.38	20.48	20.52	21.5	1.5		
10	64QAM	25	25	20.37	20.39	20.47				
10	64QAM	50	0	20.41	20.48	20.36				
10	256QAM	1	0	18.50	18.67	18.51	19.5	3.5		
10	256QAM	1	25	18.50	18.72	18.45				
10	256QAM	1	49	18.34	18.51	18.45				
10	256QAM	25	0	18.51	18.67	18.57				
10	256QAM	25	12	18.45	18.57	18.44	19.5	3.5		
10	256QAM	25	25	18.52	18.50	18.38				
10	256QAM	50	0	18.49	18.67	18.49				
Channel										
Frequency (MHz)				37775	38000	38225	Turn-up limit (dBm)	MPR (dB)		
				22.10	22.19	22.10				
5	QPSK	1	0	22.10	22.19	22.10				
5	QPSK	1	12	21.91	21.93	21.92	23	0		
5	QPSK	1	24	21.89	22.00	21.80				
5	QPSK	12	0	21.94	22.11	22.00				
5	QPSK	12	7	21.94	22.02	21.96	23	0		
5	QPSK	12	13	21.88	21.89	21.81				
5	QPSK	25	0	21.90	21.97	21.85				
5	16QAM	1	0	21.91	22.04	22.04				
5	16QAM	1	12	21.95	21.90	21.89	23	0		
5	16QAM	1	24	21.74	21.78	21.80				
5	16QAM	12	0	21.42	21.67	21.42	22.5	0.5		
5	16QAM	12	7	21.40	21.41	21.39				
5	16QAM	12	13	21.38	21.37	21.31				
5	16QAM	25	0	21.39	21.59	21.44				
5	64QAM	1	0	21.48	21.73	21.50	22.5	0.5		
5	64QAM	1	12	21.42	21.67	21.46				
5	64QAM	1	24	21.39	21.48	21.40				
5	64QAM	12	0	20.51	20.68	20.52				
5	64QAM	12	7	20.42	20.54	20.50	21.5	1.5		
5	64QAM	12	13	20.40	20.40	20.44				
5	64QAM	25	0	20.45	20.50	20.44				
5	256QAM	1	0	18.53	18.74	18.53	19.5	3.5		
5	256QAM	1	12	18.41	18.74	18.51				
5	256QAM	1	24	18.41	18.47	18.40				
5	256QAM	12	0	18.54	18.67	18.59				
5	256QAM	12	7	18.50	18.49	18.45	19.5	3.5		
5	256QAM	12	13	18.39	18.43	18.41				
5	256QAM	25	0	18.46	18.61	18.46				

Band 41 FCC&C DSIS_Standalone Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				38750	40185	40620	41055	41490		
20	QPSK	1	0	21.90	21.79	22.07	21.97	21.88		
20	QPSK	1	49	21.77	21.83	21.98	21.95	21.86	23.4	0
20	QPSK	1	99	21.62	21.70	21.76	21.83	21.84		
20	QPSK	50	0	21.90	21.84	22.05	21.97	21.97		
20	QPSK	50	24	21.82	21.82	21.81	21.79	21.75	23	0.4
20	QPSK	50	50	21.73	21.74	21.88	21.92	21.60		
20	QPSK	100	0	21.64	21.57	21.80	21.49	21.82		
20	16QAM	1	0	21.73	21.78	21.88	21.75	21.96	23	0.4
20	16QAM	1	49	21.68	21.67	21.74	21.74	21.75		
20	16QAM	1	99	21.59	21.73	21.81	21.58	21.49		
20	16QAM	50	0	21.67	21.66	21.86	21.76	21.91		
20	16QAM	50	24	21.60	21.71	21.80	21.50	21.69	22	1.4
20	16QAM	50	50	21.72	21.74	21.83	21.74	21.70		
20	16QAM	100	0	21.60	21.49	21.86	21.42	21.64		
20	64QAM	1	0	21.65	21.90	21.66	21.54	21.93	22	1.4
20	64QAM	1	49	21.83	21.82	21.80	21.78	21.84		
20	64QAM	1	99	21.71	21.76	21.82	21.61	21.72		
20	64QAM	50	0	20.80	20.79	20.94	20.76	20.85		
20	64QAM	50	24	20.72	20.68	20.77	20.70	20.68	21	2.4
20	64QAM	50	50	20.62	20.70	20.80	20.68	20.72		
20	64QAM	100	0	20.73	20.84	20.87	20.81	20.83		
20	256QAM	1	0	18.90	18.83	18.99	18.85	18.91		
20	256QAM	1	49	18.84	18.82	18.89	18.86	18.94	19	4.4
20	256QAM	1	99	18.78	18.68	18.82	18.81	18.72		
20	256QAM	50	0	18.80	18.76	18.87	18.79	18.83		
20	256QAM	50	24	18.62	18.50	18.60	18.52	18.59	19	4.4
20	256QAM	50	50	18.57	18.65	18.76	18.52	18.63		
20	256QAM	100	0	18.97	18.92	19.02	18.92	18.93		
Channel				38750	40175	40620	41068	41515	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				21.87	21.68	21.77	21.68	21.79		
15	QPSK	1	37	21.60	21.67	21.74	21.74	21.78	23.4	0
15	QPSK	1	74	21.58	21.64	21.81	21.75	21.44		
15	QPSK	1	111	21.54	21.62	21.78	21.68	21.44		
15	QPSK	50	0	21.56	21.64	21.84	21.78	21.66	23	0.4
15	QPSK	50	24	21.53	21.61	21.76	21.61	21.58		
15	QPSK	50	50	21.64	21.60	21.62	21.39	21.68		
15	16QAM	1	0	21.68	21.78	21.82	21.73	21.69	23	0.4
15	16QAM	1	74	21.67	21.61	21.67	21.63	21.67		
15	16QAM	1	111	21.62	21.64	21.83	21.69	21.47		
15	16QAM	50	0	21.70	21.73	21.81	21.67	21.87	22	1.4
15	16QAM	50	24	21.67	21.67	21.79	21.70	21.64		
15	16QAM	50	50	21.65	21.70	21.71	21.70	21.66		
15	16QAM	100	0	21.82	21.76	21.87	21.68	21.63		
15	64QAM	1	0	21.70	21.77	21.86	21.69	21.84	22	1.4
15	64QAM	1	37	21.70	21.77	21.77	21.68	21.70		
15	64QAM	1	74	21.60	21.64	21.82	21.73	21.60		
15	64QAM	50	0	20.82	20.70	20.79	20.62	20.74	21	2.4
15	64QAM	50	24	20.84	20.56	20.63	20.74	20.69		
15	64QAM	50	50	20.52	20.56	20.68	20.52	20.72	21	2.4
15	64QAM	100	0	20.62	20.74	20.62	20.69	20.70		
15	256QAM	1	0	18.79	18.76	18.90	18.71	18.75	19	4.4
15	256QAM	1	37	18.70	18.61	18.90	18.61	18.75		
15	256QAM	1	74	18.68	18.56	18.70	18.70	18.59		
15	256QAM	50	0	18.68	18.56	18.70	18.68	18.73	19	4.4
15	256QAM	50	24	18.35	18.23	18.71	18.72	18.52		
15	256QAM	50	50	18.50	18.68	18.70	18.59	18.54	19	4.4
15	256QAM	100	0	18.80	18.72	18.82	18.72	18.83		
Channel				38750	40160	40620	41060	41560	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				21.63	21.61	21.64	21.61	21.77		
10	QPSK	1	25	21.55	21.67	21.83	21.73	21.69	23.4	0
10	QPSK	1	50	21.53	21.54	21.69	21.60	21.44		
10	QPSK	1	75	21.72	21.68	21.81	21.55	21.52		
10	QPSK	25	12	21.47	21.84	21.72	21.61	21.57	23	0.4
10	QPSK	25	37	21.68	21.67	21.79	21.62	21.48		
10	QPSK	50	0	21.70	21.71	21.79	21.69	21.77		
10	16QAM	1	0	21.82	21.68	21.71	21.78	21.87	23	0.4
10	16QAM	1	25	21.81	21.59	21.69	21.77	21.63		
10	16QAM	1	49	21.48	21.62	21.71	21.37	21.61		
10	16QAM	25	0	21.74	21.62	21.68	21.66	21.62		
10	16QAM	25	12	21.60	21.65	21.71	21.67	21.59	22	1.4
10	16QAM	25	37	21.67	21.59	21.68	21.61	21.58		
10	16QAM	50	0	21.68	21.68	21.82	21.73	21.65		
10	64QAM	1	0	21.79	21.65	21.62	21.67	21.82	22	1.4
10	64QAM	1	25	21.72	21.67	21.60	21.65	21.68		
10	64QAM	1	50	21.67	21.70	21.68	21.60	21.68		
10	64QAM	25	0	20.80	20.67	20.80	20.69	20.72		
10	64QAM	25	12	20.81	20.54	20.71	20.67	20.68	21	2.4
10	64QAM	25	37	20.49	20.64	20.66	20.62	20.48		
10	64QAM	50	0	20.61	20.74	20.63	20.70	20.77		
10	256QAM	1	0	18.81	18.79	18.86	18.74	18.84	19	4.4
10	256QAM	1	25	18.75	18.79	18.84	18.75	18.86		
10	256QAM	1	49	18.68	18.56	18.74	18.69	18.59		
10	256QAM	25	0	18.68	18.77	18.82	18.78	18.72	19	4.4
10	256QAM	25	12	18.56	18.72	18.76	18.66	18.63		
10	256QAM	25	37	18.52	18.64	18.64	18.52	18.58		
10	256QAM	50	0	18.62	18.74	18.68	18.62	18.63		
Channel				38675	40144	40620	41050	41560	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				21.66	21.71 <td>21.67</td> <td>21.66</td> <td>21.70</td> <th></th> <th></th>	21.67	21.66	21.70		
5	QPSK	1	12	21.68	21.67	21.62	21.60	21.60	23.4	0
5	QPSK	1	25	21.62	21.61	21.65	21.62	21.58		
5	QPSK	12	0	21.50	21.66	21.63	21.73	21.63		
5	QPSK	12	7	21.35	21.51	21.64	21.49	21.48	23	0.4
5	16QAM	1	0	21.60	21.63	21.62	21.63	21.68		
5	16QAM	1	12	21.60	21.63	21.72	21.74	21.83	23	0.4
5	16QAM	1	25	21.59	21.59	21.63	21.67	21.65		
5	16QAM	12	7	21.62	21.60	21.71	21.49	21.69		
5	16QAM	12	12	21.60	21.62	21.74	21.76	21.65	22	1.4
5	16QAM	12	19	21.58	21.68	21.78	21.61	21.80		
5	64QAM	1	0	21.63	21.70	21.68	21.62	21.64	22	1.4
5	64QAM	1	12	21.72	21.78	21.88	21.76	21.73		
5	64QAM	1	25	21.63	21.74	21.88	21.74	21.68		
5	64QAM	12	0	20.85	20.86	20.86	20.67	20.74	21	2.4
5	64QAM	12	7	20.89	20.59	20.67	20.67	20.68		
5	64QAM	12	12	20.65	20.81	20.79	20.75	20.69		
5	256QAM	1	0	18.74	18.75	18.90	18.70	18.91	19	4.4
5	256QAM	1	12	18.71	18.62	18.68	18.67	18.67		
5	256QAM	1	25	18.68	18.77	18.78	18.67	18.72	19	4.4
5	256QAM	12	7	18.53	18.67	18.71	18.66	18.57		
5	256QAM	12	12	18.33	18.70	18.71	18.66	18.53	19	4.4



Band 41 PC2 FCC&C DS15_Standalone Ant 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Low-Mid Ch / Freq	Power High-Mid Ch / Freq	Power High-Mid Ch / Freq	Tune-up Int (dBm)	MPR (dB)		
Channel												
Frequency (MHz)				36750	40185	40620	41055	41490				
20	QPSK	1	0	23.77	23.78	23.91	23.71	23.73	25	0		
20	QPSK	1	49	23.83	23.89	23.68	23.64	23.79				
20	QPSK	50	0	23.44	23.58	23.75	23.67	23.75	25	0		
20	QPSK	50	24	23.55	23.66	23.74	23.61	23.78				
20	QPSK	50	24	23.45	23.54	23.64	23.48	23.51	25	0		
20	QPSK	100	0	23.31	23.54	23.65	23.59	23.71				
20	16QAM	1	0	23.52	23.67	23.79	23.66	23.69	25	0		
20	16QAM	1	49	23.48	23.68	23.75	23.49	23.54				
20	16QAM	1	99	23.43	23.53	23.63	23.57	23.53	25	0		
20	16QAM	50	0	23.33	23.50	23.56	23.51	23.50				
20	16QAM	50	24	23.35	23.59	23.50	23.48	23.52	25	0		
20	16QAM	50	50	23.37	23.52	23.57	23.55	23.40				
20	16QAM	100	0	23.44	23.48	23.50	23.47	23.52	25	0		
20	64QAM	1	0	23.71	23.85	23.82	23.85	23.87				
20	64QAM	1	49	23.72	23.86	23.82	23.82	23.70	25	0		
20	64QAM	1	99	23.73	23.89	23.92	23.72	23.70				
20	64QAM	50	0	23.58	23.66	23.70	23.60	23.61	25	0		
20	64QAM	50	24	23.43	23.55	23.63	23.61	23.51				
20	64QAM	50	50	23.46	23.51	23.61	23.54	23.48	23	2		
20	256QAM	1	0	21.69	21.81	21.96	21.76	21.81				
20	256QAM	1	49	21.72	21.76	21.86	21.81	21.81	23	2		
20	256QAM	1	99	21.62	21.68	21.73	21.75	21.64				
20	256QAM	50	0	21.55	21.68	21.74	21.63	21.67	23	2		
20	256QAM	50	24	21.39	21.53	21.59	21.50	21.52				
20	256QAM	50	50	21.36	21.51	21.54	21.48	21.43	23	2		
20	256QAM	100	0	21.40	21.53	21.59	21.50	21.43				
Channel												
Frequency (MHz)				36725	40173	40620	41068	41515	Tune-up Int (dBm)	MPR (dB)		
15	QPSK	1	0	23.61	23.73	23.61	23.68	23.67	25.00	0		
15	QPSK	1	37	23.49	23.63	23.61	23.48	23.65				
15	QPSK	1	74	23.39	23.58	23.65	23.44	23.54	25	0		
15	QPSK	38	0	23.56	23.69	23.69	23.60	23.58				
15	QPSK	38	20	23.42	23.41	23.54	23.52	23.48	25	0		
15	QPSK	38	50	23.53	23.68	23.69	23.57	23.63				
15	QPSK	75	0	23.41	23.38	23.62	23.59	23.52	25	0		
15	16QAM	1	0	23.44	23.59	23.62	23.74	23.72				
15	16QAM	1	37	23.59	23.69	23.65	23.59	23.47	25	0		
15	16QAM	1	74	23.33	23.57	23.50	23.38	23.47				
15	16QAM	38	0	23.24	23.26	23.58	23.45	23.54	25	0		
15	16QAM	38	20	23.14	23.31	23.40	23.25	23.25				
15	16QAM	38	50	23.30	23.34	23.58	23.21	23.39	25	0		
15	16QAM	75	0	23.34	23.52	23.52	23.32	23.43				
15	64QAM	1	0	23.62	23.68	23.69	23.67	23.63	25	0		
15	64QAM	1	37	23.66	23.69	23.73	23.60	23.67				
15	64QAM	1	74	23.58	23.77	23.72	23.77	23.66	25	0		
15	64QAM	38	0	23.47	23.60	23.62	23.54	23.46				
15	64QAM	38	20	23.32	23.52	23.51	23.38	23.41	25	0		
15	64QAM	38	50	23.40	23.60	23.61	23.40	23.47				
15	64QAM	75	0	23.44	23.55	23.52	23.61	23.51	23	2		
15	256QAM	1	0	21.64	21.69	21.82	21.70	21.66				
15	256QAM	1	37	21.63	21.73	21.73	21.63	21.63	23	2		
15	256QAM	1	74	21.48	21.61	21.62	21.60	21.52				
15	256QAM	38	0	21.50	21.54	21.68	21.59	21.61	23	2		
15	256QAM	38	20	21.31	21.44	21.51	21.48	21.38				
15	256QAM	38	50	21.30	21.44	21.51	21.44	21.38	23	2		
15	256QAM	75	0	21.40	21.54	21.61	21.50	21.41				
Channel												
Frequency (MHz)				36700	40160	40620	41060	41540	Tune-up Int (dBm)	MPR (dB)		
10	QPSK	1	0	23.74	23.78	23.82	23.62	23.78	25.00	0		
10	QPSK	1	25	23.62	23.64	23.68	23.71	23.45				
10	QPSK	1	49	23.44	23.39	23.75	23.48	23.70	25	0		
10	QPSK	25	0	23.62	23.65	23.73	23.59	23.77				
10	QPSK	25	12	23.35	23.42	23.60	23.61	23.41	25	0		
10	QPSK	25	25	23.46	23.34	23.45	23.40	23.39				
10	16QAM	1	0	23.61	23.41	23.65	23.40	23.34	25	0		
10	16QAM	1	4	23.60	23.67	23.61	23.69	23.74				
10	16QAM	1	25	23.50	23.58	23.56	23.48	23.62	25	0		
10	16QAM	1	49	23.50	23.62	23.62	23.57	23.42				
10	16QAM	25	0	23.17	23.47	23.63	23.50	23.61	25	0		
10	16QAM	25	12	23.18	23.33	23.52	23.25	23.33				
10	16QAM	25	25	23.20	23.32	23.33	23.23	23.23	25	0		
10	16QAM	50	0	23.37	23.44	23.43	23.38	23.46				
10	64QAM	1	0	23.61	23.63	23.68	23.61	23.63	25	0		
10	64QAM	1	25	23.68	23.70	23.72	23.71	23.69				
10	64QAM	1	49	23.59	23.64	23.74	23.68	23.73	25	0		
10	64QAM	25	0	23.54	23.63	23.65	23.50	23.58				
10	64QAM	25	12	23.38	23.46	23.54	23.51	23.40	25	0		
10	64QAM	25	25	23.32	23.48	23.46	23.44	23.41				
10	64QAM	50	0	23.44	23.45	23.54	23.54	23.55	23	2		
10	256QAM	1	0	21.58	21.70	21.81	21.68	21.69				
10	256QAM	1	25	21.68	21.63	21.86	21.75	21.67	23	2		
10	256QAM	1	49	21.48	21.64	21.65	21.68	21.58				
10	256QAM	25	0	21.43	21.50	21.61	21.60	21.58	23	2		
10	256QAM	25	12	21.35	21.42	21.47	21.57	21.46				
10	256QAM	25	25	21.29	21.37	21.41	21.43	21.30	23	2		
10	256QAM	50	0	21.35	21.48	21.60	21.58	21.55				
Channel												
Frequency (MHz)				36675	40148	40620	41060	41565	Tune-up Int (dBm)	MPR (dB)		
5	QPSK	1	0	23.50	23.73	23.82	23.67	23.75	25.00	0		
5	QPSK	1	12	23.63	23.72	23.67	23.48	23.66				
5	QPSK	1	24	23.43	23.38	23.75	23.47	23.74	25	0		
5	QPSK	12	0	23.39	23.75	23.78	23.50	23.71				
5	QPSK	12	7	23.39	23.74	23.43	23.53	23.45	25	0		
5	QPSK	25	0	23.51	23.51	23.49	23.34	23.47				
5	QPSK	25	0	23.47	23.48	23.53	23.40	23.50	25	0		
5	QPSK	25	13	23.63	23.48	23.50	23.68	23.70				
5	16QAM	1	12	23.42	23.58	23.53	23.45	23.36	25	0		
5	16QAM	1	24	23.32	23.50	23.53	23.40	23.45				
5	16QAM	12	0	23.41	23.39	23.50	23.40	23.49	25	0		
5	16QAM	12	7	23.39	23.39	23.48	23.38	23.45				
5	16QAM	12	13	23.11	23.24	23.50	23.41	23.26	25	0		
5	16QAM	25	0	23.30	23.46	23.43	23.34	23.53				
5	64QAM	1	0	23.67	23.84	23.81	23.69	23.81	25	0		
5	64QAM	1	12	23.78	23.78	23.78	23.78	23.78				
5	64QAM	1	24	23.73	23.66	23.68	23.55	23.78	25	0		
5	64QAM	12	0	23.44	23.59	23.65	23.48	23.51				
5	64QAM	12	7	23.38	23.38	23.47	23.38	23.38	25	0		
5	64QAM	12	13	23.35	23.36	23.37	23.45	23.37				
5	64QAM	25	0	23.48	23.54	23.59	23.54	23.49	25	0		
5	64QAM	25	13	23.57	21.77	21.77	21.77	21.77				
5	256QAM	1	12	21.58	21.69	21.91	21.67	21.87	23	2		
5	256QAM	1	24	21.54	21.54	21.86	21.67	21.76				
5	256QAM	12	0	21.43	21.47	21.69	21.59	21.64	23	2		
5	256QAM	12	7	21.35	21.41	21.49	21.38	21.47				
5	256QAM	25	0	21.23	21.41	21.41	21.41	21.32	23	2		
5	256QAM	25	0	21.38	21.60	21.72	21.55	21.58				

OSM1900 Ant				Default					
Base		Base Average Power (dBm)		Tx Power		Frame Average Power (dBm)			
TX Channel		812	861	810	Limit	812	861	810	Limit
Frequency (MHz)		1800.2	1800.2	1800.2	(dBm)	1800.2	1800.2	1800.2	(dBm)
OSM 1 Tx Wd		20.56	20.61	20.49	30.00	20.52	20.61	20.49	21.00
OSM 2 Tx Wd		21.05	21.12	20.97	26.00	21.05	21.12	20.97	22.00
OSM 3 Tx Wd		20.70	21.10	20.40	26.00	21.44	21.00	21.40	22.24
OSM 4 Tx Wd		20.14	20.57	21.40	24.00	20.54	20.57	20.40	21.00
EDGE 1 Tx Wd		20.06	20.13	24.00	26.00	18.06	16.13	18.00	17.00
EDGE 2 Tx Wd		20.33	20.42	23.40	24.00	17.33	17.43	17.40	18.00
EDGE 3 Tx Wd		22.21	22.25	22.25	23.00	17.00	18.00	17.00	19.24
EDGE 4 Tx Wd		20.13	20.18	20.00	21.00	17.13	17.18	17.00	18.00
Default WCDMA1 Ant									
Base		WCDMA II		Tx Power		WCDMA IV			
TX Channel		9802	9800	9838	Limit	9812	9843	9833	Limit
Rx Channel		9802 <td>9800<td>9838<td>(dBm)</td><td>9812<td>9838<td>9798<td>(dBm)</td></td></td></td></td></td>	9800 <td>9838<td>(dBm)</td><td>9812<td>9838<td>9798<td>(dBm)</td></td></td></td></td>	9838 <td>(dBm)</td> <td>9812<td>9838<td>9798<td>(dBm)</td></td></td></td>	(dBm)	9812 <td>9838<td>9798<td>(dBm)</td></td></td>	9838 <td>9798<td>(dBm)</td></td>	9798 <td>(dBm)</td>	(dBm)
Frequency (MHz)		2156	1800	1800	24.00	1812	1812	1812	24.00
SOPP Rel 98	WCD 12 2000	22.08	23.03	23.00	24.00	22.84	22.97	22.81	24.00
SOPP Rel 98	RWCD 12 2000	20.05	20.00	20.02	24.00	22.89	23.00	22.84	24.00
SOPP Rel 98	HS-PA Subcar-1	21.05	22.14	22.11	23.00	21.01	22.04	22.04	23.00
SOPP Rel 98	HS-PA Subcar-2	22.04	22.17	21.92	23.00	21.03	22.07	21.84	23.00
SOPP Rel 98	HS-PA Subcar-3	21.64	21.00	21.57	23.00	21.50	21.00	21.44	22.00
SOPP Rel 98	HS-PA Subcar-4	21.48	21.00	21.00	22.00	21.43	21.00	21.00	22.00
SOPP Rel 98	DC-HSPA Subcar-1	22.06	22.17	21.98	23.00	21.00	22.00	21.90	23.00
SOPP Rel 98	DC-HSPA Subcar-2	21.00	22.13	22.18	23.00	21.01	22.07	22.07	23.00
SOPP Rel 98	DC-HSPA Subcar-3	21.37	21.57	21.48	22.00	21.28	21.46	21.34	22.00
SOPP Rel 98	DC-HSPA Subcar-4	21.43	21.00	21.44	22.00	21.00	21.45	21.31	22.00
SOPP Rel 98	HS-PA Subcar-1	22.08	22.31	21.97	23.00	22.04	22.04	21.94	23.00
SOPP Rel 98	HS-PA Subcar-2	20.20	20.14	20.17	21.00	20.20	20.00	20.04	21.00
SOPP Rel 98	HS-PA Subcar-3	21.20	21.00	21.03	22.00	21.10	20.00	20.00	22.00
SOPP Rel 98	HS-PA Subcar-4	19.00	20.25	20.22	21.00	19.04	20.10	20.00	21.00
SOPP Rel 98	HS-PA Subcar-5	22.03	22.04	21.94	23.00	21.00	21.00	21.00	23.00



Band 2 Default Ant 3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up Inst. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.65	22.72	22.75			24	0		
20	QPSK	1	49	22.62	22.63	22.64						
20	QPSK	1	99	22.45	22.58	22.63			24	0		
20	QPSK	50	0	22.49	22.57	22.63						
20	QPSK	24	0	22.45	22.58	22.67			24	0		
20	QPSK	50	50	22.38	22.47	22.58						
20	QPSK	100	0	22.45	22.60	22.61			24	0		
20	HQAM	50	0	22.40	22.58	22.68						
20	HQAM	1	49	22.36	22.45	22.41			24	0		
20	HQAM	1	99	22.33	22.44	22.37						
20	HQAM	50	0	22.38	22.54	22.44			24	0		
20	HQAM	50	24	22.38	22.37	22.31						
20	HQAM	50	50	22.32	22.39	22.31			24	0		
20	HQAM	100	0	22.42	22.46	22.38						
20	HQAM	1	49	19.51	19.63	19.46			21	3		
20	SSBQAM	1	99	19.38	19.43	19.33						
20	SSBQAM	36	0	19.27	19.53	19.27			21	3		
20	SSBQAM	50	24	19.33	19.39	19.36						
20	SSBQAM	50	50	19.25	19.35	19.32			20	3		
20	SSBQAM	100	0	19.43	19.43	19.43						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.60	22.68	22.61			24	0		
15	QPSK	1	37	22.42	22.58	22.48						
15	QPSK	1	74	22.40	22.49	22.46			24	0		
15	QPSK	36	0	22.42	22.59	22.47						
15	QPSK	36	20	22.31	22.39	22.29			24	0		
15	QPSK	75	0	22.34	22.59	22.34						
15	HQAM	1	0	22.30	22.53	22.42			24	0		
15	HQAM	1	37	22.24	22.41	22.29						
15	HQAM	1	74	22.24	22.36	22.40			24	0		
15	HQAM	36	0	22.29	22.42	22.34						
15	HQAM	36	20	22.32	22.27	22.28			24	0		
15	HQAM	36	36	22.27	22.39	22.32						
15	HQAM	75	0	22.26	22.44	22.27			24	0		
15	HQAM	1	0	22.17	22.37	22.21						
15	HQAM	37	0	22.22	22.37	22.31			24	0		
15	HQAM	1	74	22.14	22.21	22.21						
15	HQAM	36	0	22.23	22.41	22.19			24	0		
15	HQAM	36	20	22.14	22.39	22.28						
15	HQAM	36	36	22.20	22.30	22.17			24	0		
15	HQAM	75	0	22.28	22.34	22.29						
15	HQAM	1	0	19.35	19.58	19.46			21	3		
15	SSBQAM	1	37	19.39	19.50	19.40						
15	SSBQAM	1	74	19.33	19.39	19.26			21	3		
15	SSBQAM	36	20	19.27	19.45	19.37						
15	SSBQAM	36	36	19.23	19.25	19.26			20	3		
15	SSBQAM	75	0	19.14	19.23	19.20						
15	SSBQAM	100	0	19.38	19.41	19.41						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.65	22.61	22.60			24	0		
10	QPSK	1	25	22.46	22.54	22.50						
10	QPSK	1	49	22.34	22.52	22.43			24	0		
10	QPSK	25	0	22.49	22.57	22.50						
10	QPSK	25	12	22.37	22.50	22.43			24	0		
10	QPSK	25	25	22.27	22.33	22.27						
10	QPSK	25	36	22.30	22.48	22.36			24	0		
10	HQAM	1	0	22.29	22.49	22.37						
10	HQAM	1	25	22.24	22.33	22.30			24	0		
10	HQAM	1	49	22.34	22.36	22.36						
10	HQAM	25	0	22.27	22.40	22.34			24	0		
10	HQAM	25	12	22.32	22.33	22.22						
10	HQAM	50	0	22.25	22.43	22.35			24	0		
10	HQAM	1	0	22.21	22.43	22.16						
10	HQAM	1	24	22.17	22.15	22.15			24	0		
10	HQAM	1	49	22.13	22.22	22.13						
10	HQAM	25	0	22.23	22.45	22.21			24	0		
10	HQAM	25	12	22.22	22.38	22.22						
10	HQAM	25	25	22.20	22.29	22.20			24	0		
10	HQAM	50	0	22.37	22.34	22.25						
10	HQAM	50	0	19.33	19.54	19.39			23	1		
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.63	22.67	22.64			24	0		
5	QPSK	1	12	22.39	22.54	22.48						
5	QPSK	1	24	22.38	22.51	22.49			24	0		
5	QPSK	12	0	22.41	22.57	22.49						
5	QPSK	12	7	22.34	22.45	22.41			24	0		
5	QPSK	12	13	22.30	22.39	22.33						
5	QPSK	25	0	22.34	22.52	22.32			24	0		
5	HQAM	1	0	22.31	22.45	22.33						
5	HQAM	1	12	22.31	22.42	22.28			24	0		
5	HQAM	1	24	22.19	22.33	22.30						
5	HQAM	12	0	22.33	22.48	22.32			24	0		
5	HQAM	12	7	22.24	22.23	22.28						
5	HQAM	12	13	22.21	22.28	22.30			24	0		
5	HQAM	25	0	22.29	22.46	22.23						
5	HQAM	1	0	22.20	22.41	22.32			24	0		
5	HQAM	1	12	22.17	22.35	22.29						
5	HQAM	1	24	22.20	22.24	22.23			24	0		
5	HQAM	12	0	22.14	22.20	22.15						
5	HQAM	12	7	22.23	22.23	22.28			24	0		
5	HQAM	12	13	22.14	22.20	22.15						
5	HQAM	25	0	22.37	22.38	22.27			23	1		
5	SSBQAM	1	0	19.37	19.50	19.39						
5	SSBQAM	1	12	19.43	19.52	19.42			21	3		
5	SSBQAM	24	0	19.26	19.33	19.26						
5	SSBQAM	12	0	19.25	19.46	19.25			21	3		
5	SSBQAM	12	7	19.28	19.30	19.26						
5	SSBQAM	12	13	19.13	19.29	19.28			20	3		
5	SSBQAM	25	0	19.29	19.58	19.48						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.51	22.66	22.50			24	0		
3	QPSK	1	8	22.37	22.51	22.46						
3	QPSK	1	14	22.39	22.51	22.41			24	0		
3	QPSK	8	0	22.43	22.58	22.54						
3	QPSK	8	4	22.39	22.42	22.43			24	0		
3	QPSK	8	7	22.35	22.33	22.34						
3	QPSK	15	0	22.34	22.46	22.36			24	0		
3	HQAM	1	0	22.32	22.53	22.41						
3	HQAM	1	8	22.26	22.36	22.31			24	0		
3	HQAM	1	14	22.18	22.30	22.30						
3	HQAM	8	0	22.30	22.43	22.34			24	0		
3	HQAM	8	4	22.31	22.31	22.31						
3	HQAM	8	7	22.22	22.27	22.23			24	0		
3	HQAM	15	0	22.28	22.44	22.38						
3	HQAM	1	0	22.23	22.40	22.20			24	0		
3	HQAM	8	0	22.22	22.18	22.21						
3	HQAM	8	4	22.22	22.23	22.27			24	0		
3	HQAM	8	7	22.21	22.21	22.21						
3	HQAM	15	0	22.35	22.38	22.28			24	0		
3	SSBQAM	1	0	19.42	19.56	19.36						
3	SSBQAM	1	8	19.25	19.25	19.27			21	3		
3	SSBQAM	1	14	19.23	19.29	19.21						
3	SSBQAM	8	0	19.20	19.47	19.33			21	3		
3	SSBQAM	8	7	19.19	19.39	19.34						
3	SSBQAM	8	7	19.21	19.30	19.25			20	3		
3	SSBQAM	15	0	19.36	19.56	19.36						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.61	22.61	22.66			24	0		
1.4	QPSK	1	8	22.40	22.51	22.41						
1.4	QPSK	1	5	22.33	22.53	22.46			24	0		
1.4	QPSK	3	0	22.43	22.56	22.40						
1.4	QPSK	3	3	22.35	22.36	22.34			24	0		
1.4	QPSK	3	0	22.31	22.46	22.37						
1.4	QPSK	3	3	22.29	22.34	22.32			24	0		
1.4	QPSK	3	3	22.28	22.41	22.36						
1.4	HQAM	3	0	22.21	22.37	22.30			24	0		
1.4	HQAM	3	3	22.24	22.39	22.21						
1.4	HQAM	3	3	22.26	22.31	22.28			24	0		
1.4	HQAM	3	3	22.24	22.34	22.24						
1.4	HQAM	3	3	22.24	22.30	22.23			24	0		
1.4	HQAM	3	3	22.26	22.31	22.28						
1.4	HQAM	3	3	22.28	22.39	22.21			24	0		
1.4	HQAM	3	3	22.29	22.30	22.26						
1.4	HQAM	3	3	22.19	22.32	22.28			24	0		
1.4	HQAM	3	3	22.22	22.27	22.22						
1.4	HQAM	3	3	22.24	22.33	22.23			24	0		
1.4	HQAM	3	3	22.27	22.34	22.24						
1.4	SSBQAM	3	3	19.48	19.50	19.31			21	3		
1.4	SSBQAM	3	3	19.34	19.40	19.27						
1.4	SSBQAM	3	3	19.28	19.30	19.28			20	3		
1.4	SSBQAM	3	3	19.30	19.32	19.25						
1.4	SSBQAM	3	3	19.30	19.32	19.25						
1.4	SSBQAM	3	3	19.21	19.32	19.19						

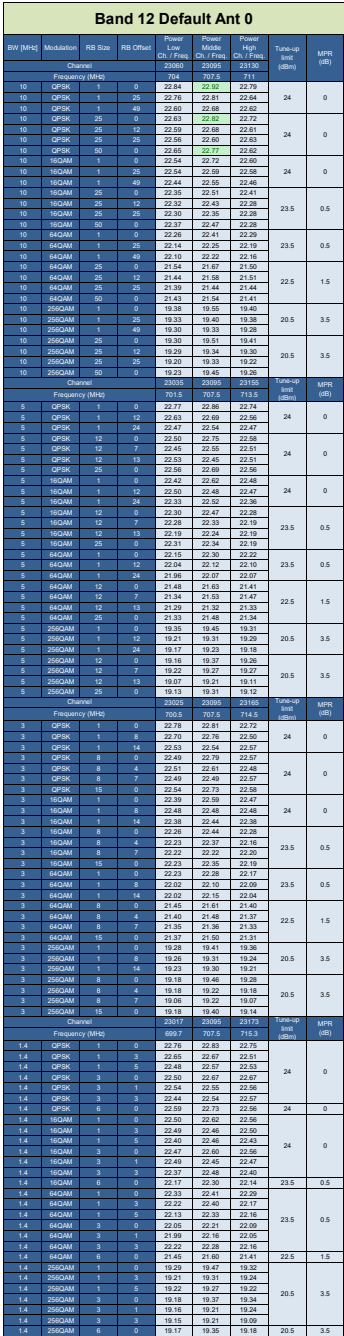
Band 25 Default Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	APRS (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.60	22.70	22.72	24	0		
20	QPSK	1	49	22.40	22.46	22.47				
20	QPSK	1	99	22.36	22.55	22.55				
20	QPSK	50	0	22.50	22.60	22.67				
20	QPSK	50	24	22.39	22.50	22.67	24	0		
20	QPSK	50	50	22.39	22.49	22.45				
20	QPSK	100	0	22.49	22.50	22.53				
20	16QAM	1	0	22.42	22.45	22.47				
20	16QAM	1	49	22.36	22.42	22.38	24	0		
20	16QAM	1	99	22.39	22.44	22.38				
20	16QAM	50	0	22.37	22.39	22.37				
20	16QAM	50	24	22.40	22.45	22.42				
20	16QAM	50	50	22.24	22.39	22.34	24	0		
20	16QAM	100	0	22.47	22.51	22.36				
20	16QAM	1	0	22.39	22.39	22.46				
20	16QAM	1	49	22.35	22.40	22.32				
20	16QAM	50	0	21.45	21.56	21.45	23	1		
20	16QAM	50	24	21.38	21.38	21.36				
20	16QAM	50	50	21.26	21.33	21.34				
20	16QAM	100	0	21.59	21.64	21.57				
20	256QAM	1	49	19.43	19.65	19.47	21	3		
20	256QAM	1	99	19.44	19.42	19.40				
20	256QAM	50	0	19.38	19.48	19.41				
20	256QAM	50	50	19.42	19.40	19.39				
20	256QAM	100	0	19.44	19.44	19.44	21	3		
Channel										
Frequency (MHz)										
16	QPSK	1	0	22.50	22.69	22.69	24	0		
16	QPSK	1	37	22.45	22.48	22.47				
16	QPSK	1	74	22.47	22.48	22.42				
16	QPSK	36	0	22.38	22.62	22.37				
16	QPSK	36	25	22.30	22.37	22.41	24	0		
16	QPSK	36	39	22.35	22.43	22.42				
16	QPSK	75	0	22.44	22.39	22.41				
16	16QAM	1	0	22.36	22.31	22.34				
16	16QAM	1	37	22.25	22.29	22.31	24	0		
16	16QAM	1	74	22.31	22.35	22.33				
16	16QAM	36	0	22.26	22.53	22.29				
16	16QAM	36	20	22.32	22.33	22.33				
16	16QAM	75	0	22.34	22.58	22.43	24	0		
16	16QAM	75	0	22.34	22.58	22.43				
16	16QAM	1	0	22.30	22.42	22.36				
16	16QAM	1	37	22.23	22.39	22.32				
16	16QAM	1	74	22.22	22.24	22.13	23	1		
16	16QAM	36	0	21.34	21.52	21.34				
16	16QAM	36	39	21.36	21.36	21.36				
16	16QAM	36	39	21.18	21.15	21.24				
16	16QAM	75	0	21.62	21.68	21.54	21	3		
16	256QAM	1	0	19.37	19.53	19.37				
16	256QAM	1	37	19.40	19.61	19.37				
16	256QAM	1	74	19.30	19.38	19.36				
16	256QAM	36	20	19.29	19.43	19.29	21	3		
16	256QAM	36	20	19.29	19.43	19.29				
16	256QAM	36	39	19.34	19.35	19.26				
16	256QAM	75	0	19.32	19.33	19.40				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.69	22.73	22.73	24	0		
10	QPSK	1	25	22.35	22.52	22.44				
10	QPSK	1	49	22.26	22.47	22.47				
10	QPSK	36	0	22.37	22.46	22.43				
10	QPSK	25	12	22.26	22.37	22.40	24	0		
10	QPSK	25	25	22.30	22.36	22.38				
10	QPSK	36	25	22.35	22.43	22.40				
10	16QAM	1	0	22.39	22.45	22.39				
10	16QAM	1	26	22.25	22.37	22.29	24	0		
10	16QAM	1	74	22.34	22.39	22.33				
10	16QAM	25	0	22.34	22.52	22.39				
10	16QAM	25	12	22.26	22.36	22.38				
10	16QAM	36	0	22.26	22.34	22.29	24	0		
10	16QAM	36	0	22.26	22.58	22.43				
10	16QAM	50	0	22.33	22.52	22.34				
10	16QAM	1	0	22.39	22.42	22.33				
10	16QAM	1	49	22.15	22.23	22.14	23	1		
10	16QAM	25	0	21.37	21.45	21.35				
10	16QAM	25	12	21.34	21.46	21.29				
10	16QAM	25	25	21.22	21.20	21.25				
10	16QAM	50	0	21.54	21.54	21.44	23	1		
10	256QAM	1	0	19.48	19.53	19.43				
10	256QAM	1	26	19.39	19.59	19.44				
10	256QAM	1	49	19.35	19.35	19.35				
10	256QAM	25	0	19.32	19.63	19.35	21	3		
10	256QAM	25	12	19.32	19.33	19.31				
10	256QAM	25	25	19.37	19.26	19.25				
10	256QAM	50	0	19.41	19.41	19.47				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.63	22.83	22.83	24	0		
5	QPSK	1	12	22.42	22.57	22.40				
5	QPSK	1	24	22.25	22.46	22.41				
5	QPSK	12	0	22.45	22.71	22.44				
5	QPSK	12	7	22.30	22.46	22.39	24	0		
5	QPSK	12	13	22.26	22.44	22.38				
5	QPSK	25	0	22.45	22.45	22.40				
5	16QAM	1	0	22.29	22.48	22.40				
5	16QAM	1	12	22.32	22.39	22.24	24	0		
5	16QAM	1	24	22.28	22.40	22.28				
5	16QAM	12	0	22.24	22.45	22.23				
5	16QAM	12	7	22.33	22.39	22.26				
5	16QAM	12	13	22.26	22.29	22.20	24	0		
5	16QAM	25	0	22.36	22.49	22.35				
5	16QAM	1	0	22.32	22.47	22.42				
5	16QAM	1	12	22.26	22.34	22.17				
5	16QAM	1	24	22.14	22.24	22.25	23	1		
5	16QAM	12	0	21.34	21.47	21.36				
5	16QAM	12	7	21.28	21.24	21.29				
5	16QAM	12	13	21.12	21.27	21.24				
5	16QAM	25	0	21.46	21.69	21.49	23	1		
5	16QAM	15	0	19.47	19.57	19.38				
5	256QAM	1	12	19.38	19.52	19.31				
5	256QAM	1	24	19.31	19.39	19.26				
5	256QAM	12	0	19.37	19.56	19.42	21	3		
5	256QAM	12	7	19.32	19.41	19.26				
5	256QAM	12	13	19.38	19.32	19.30				
5	256QAM	25	0	19.31	19.60	19.40				



Band 38 Default Ant 3													
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				37860	38000	38160							
Frequency (MHz)				23.49	23.57	23.53							
20	QPSK	1	0	23.49	23.57	23.53	24	0					
20	QPSK	1	48	23.37	23.45	23.39							
20	QPSK	1	88	23.28	23.33	23.30							
20	QPSK	50	0	23.52	23.52	23.58							
20	QPSK	50	24	23.25	23.36	23.38	24	0					
20	QPSK	50	50	23.21	23.24	23.24							
20	QPSK	100	0	23.24	23.45	23.35							
20	16QAM	1	0	23.16	23.37	23.21							
20	16QAM	1	48	23.14	23.24	23.21	24	0					
20	16QAM	1	99	23.09	23.24	23.13							
20	16QAM	50	0	22.77	22.86	22.86							
20	16QAM	50	24	22.82	22.87	22.87							
20	16QAM	50	50	22.73	22.74	22.71	23.5	0.5					
20	16QAM	100	0	22.66	22.78	22.62							
20	64QAM	1	0	22.77	22.87	22.81							
20	64QAM	1	48	22.77	22.87	22.81							
20	64QAM	50	0	21.80	22.01	21.90	22.5	1.5					
20	64QAM	50	24	21.82	21.80	21.80							
20	64QAM	50	50	21.72	21.86	21.78							
20	64QAM	100	0	21.87	22.01	21.91							
20	256QAM	1	0	19.81	20.02	19.87	20.5	3.5					
20	256QAM	1	48	19.81	20.02	19.85							
20	256QAM	1	99	19.80	19.77	19.75							
20	256QAM	36	0	19.88	19.84	19.86							
20	256QAM	50	24	19.88	19.85	19.87	20.5	3.5					
20	256QAM	50	50	19.82	19.85	19.77							
20	256QAM	100	0	19.81	19.73	19.80							
Channel				37860	38000	38160							
Frequency (MHz)				23.72	23.72	23.72							
15	QPSK	1	0	23.18	23.15	23.15	24		0				
15	QPSK	1	37	23.24	23.38	23.25							
15	QPSK	1	74	23.14	23.18	23.32							
15	QPSK	36	0	23.25	23.48	23.21							
15	QPSK	36	20	23.14	23.28	23.23	24	0					
15	QPSK	36	50	23.12	23.28	23.21							
15	QPSK	75	0	23.14	23.31	23.24							
15	16QAM	1	0	23.02	23.33	23.08							
15	16QAM	1	37	23.07	23.33	23.09	24	0					
15	16QAM	1	74	23.08	23.17	22.99							
15	16QAM	36	0	22.72	22.84	22.72							
15	16QAM	36	20	22.71	22.77	22.62							
15	16QAM	36	39	22.60	22.70	22.62	23.5	0.5					
15	16QAM	75	0	22.86	23.06	22.85							
15	64QAM	1	0	22.71	22.82	22.79							
15	64QAM	1	37	22.71	22.74	22.74							
15	64QAM	1	74	22.62	22.71	22.54	22.5	1.5					
15	64QAM	36	0	21.75	21.87	21.84							
15	64QAM	36	20	21.67	21.81	21.67							
15	64QAM	36	39	21.64	21.71	21.67							
15	256QAM	1	0	19.75	19.85	19.75	20.5	3.5					
15	256QAM	1	37	19.69	19.80	19.74							
15	256QAM	1	74	19.58	19.63	19.76							
15	256QAM	36	0	19.80	19.69	19.76							
15	256QAM	36	20	19.82	19.73	19.75	20.5		3.5				
15	256QAM	36	39	19.77	19.77	19.66							
15	256QAM	75	0	19.83	20.00	19.85							
Channel				37860	38000	38200							
Frequency (MHz)				23.75	23.75	23.75							
10	QPSK	1	0	23.48	23.48	23.41	24	0					
10	QPSK	1	25	23.28	23.33	23.30							
10	QPSK	1	49	23.13	23.21	23.27							
10	QPSK	25	0	23.32	23.49	23.35							
10	QPSK	25	12	23.17	23.25	23.25	24	0					
10	QPSK	25	25	23.16	23.24	23.13							
10	QPSK	50	0	23.10	23.33	23.30							
10	16QAM	1	0	23.06	23.33	23.16							
10	16QAM	1	25	23.07	23.16	23.14	24	0					
10	16QAM	1	49	23.00	23.18	23.02							
10	16QAM	25	0	22.84	22.88	22.79							
10	16QAM	25	12	22.68	22.77	22.71							
10	16QAM	50	0	22.60	22.84	22.65	23.5	0.5					
10	16QAM	50	0	22.91	23.07	22.77							
10	64QAM	1	0	22.80	22.93	22.80							
10	64QAM	1	25	22.62	22.73	22.72							
10	64QAM	1	49	22.59	22.67	22.53	23.5	0.5					
10	64QAM	25	0	21.70	21.91	21.85							
10	64QAM	25	12	21.78	21.81	21.67							
10	64QAM	25	25	21.64	21.75	21.64							
10	64QAM	50	0	21.88	21.91	21.88	22.5	1.5					
10	256QAM	1	0	19.73	19.91	19.76							
10	256QAM	1	25	19.74	19.88	19.72							
10	256QAM	1	49	19.67	19.64	19.75							
10	256QAM	25	0	19.76	19.85	19.73	20.5	3.5					
10	256QAM	25	12	19.85	19.76	19.82							
10	256QAM	25	25	19.78	19.81	19.85							
10	256QAM	50	0	19.94	20.05	19.85							
Channel				37775	38000	38225							
Frequency (MHz)				23.75	23.75	23.75							
5	QPSK	1	0	23.36	23.48	23.47	24	0					
5	QPSK	1	12	23.23	23.35	23.31							
5	QPSK	1	24	23.22	23.24	23.29							
5	QPSK	12	0	23.23	23.42	23.34							
5	QPSK	12	7	23.11	23.25	23.36	24	0					
5	QPSK	12	13	23.09	23.21	23.10							
5	QPSK	25	0	23.09	23.40	23.26							
5	16QAM	1	0	23.02	23.29	23.17							
5	16QAM	1	12	23.06	23.11	23.10	24	0					
5	16QAM	1	24	23.00	23.15	23.00							
5	16QAM	12	0	22.68	22.84	22.74							
5	16QAM	12	7	22.69	22.77	22.61							
5	16QAM	12	13	22.70	22.88	22.68	23.5	0.5					
5	16QAM	25	0	22.85	23.03	22.78							
5	64QAM	1	0	22.67	22.87	22.74							
5	64QAM	1	12	22.69	22.80	22.76							
5	64QAM	1	24	22.59	22.70	22.53	22.5	1.5					
5	64QAM	12	0	21.71	21.87	21.78							
5	64QAM	12	7	21.71	21.80	21.66							
5	64QAM	12	13	21.59	21.78	21.73							
5	64QAM	25	0	21.85	21.96	21.78	20.5	3.5					
5	256QAM	1	0	19.67	19.89	19.81							
5	256QAM	1	12	19.68	19.83	19.77							
5	256QAM	1	24	19.69	19.67	19.72	20.5	3.5					
5	256QAM	12	0	19.76	19.87	19.73							
5	256QAM	12	7	19.75	19.78	19.84							
5	256QAM	12	13	19.79	19.76	19.86							
Channel				37775	38000	38225							
Frequency (MHz)				23.75	23.75	23.75							



Band 41 PC2 Ant 3															
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Low Main Ch / Freq	Power High Main Ch / Freq	Tune-up Int (dB)	MPR (dB)					
Channel															
Frequency (MHz)				30750	40185	40620	41055	41490							
20	QPSK	1	0	25.79	25.82	25.93	25.83	25.73	26.5	0					
20	QPSK	1	49	25.72	25.84	25.85	25.75	25.87							
20	QPSK	1	99	25.69	25.89	25.90	25.80	25.84							
20	QPSK	50	0	25.50	25.54	25.71	25.59	25.47							
20	QPSK	50	24	25.41	25.45	25.54	25.52	25.38	26.5	0					
20	QPSK	50	50	25.35	25.40	25.42	25.42	25.32							
20	QPSK	100	0	25.37	25.49	25.54	25.50	25.35							
20	16QAM	1	0	25.69	25.75	25.84	25.83	25.72							
20	16QAM	1	49	25.65	25.79	25.74	25.70	25.76	26.5	0					
20	16QAM	1	99	25.58	25.99	25.74	25.70	25.56							
20	16QAM	50	24	25.49	25.55	25.72	25.58	25.54							
20	16QAM	50	50	25.42	25.50	25.67	25.47	25.41							
20	16QAM	50	50	25.41	25.47	25.56	25.46	25.39	26.5	0					
20	16QAM	100	0	25.42	25.52	25.74	25.55	25.45							
20	64QAM	1	0	25.57	25.55	25.84	25.85	25.55							
20	64QAM	1	49	25.61	25.66	25.75	25.65	25.59	26.5	0					
20	64QAM	1	99	25.45	25.93	25.63	25.57	25.44							
20	64QAM	50	0	24.51	24.64	24.75	24.64	24.55							
20	64QAM	50	24	24.50	24.55	24.65	24.56	24.45							
20	64QAM	50	50	24.32	24.44	24.50	24.47	24.37	25.5	1					
20	64QAM	100	0	24.52	24.65	24.67	24.56	24.45							
20	256QAM	1	0	21.73	21.82	21.93	21.79	21.73							
20	256QAM	1	49	21.72	21.74	21.80	21.78	21.71		22.5	4				
20	256QAM	1	99	21.55	21.67	21.71	21.71	21.67							
20	256QAM	50	0	21.61	21.62	21.74	21.66	21.57							
20	256QAM	50	24	21.55	21.58	21.58	21.62	21.59	22.5	4					
20	256QAM	50	50	21.41	21.54	21.61	21.62	21.39							
20	256QAM	100	0	21.62	21.65	21.80	21.69	21.60							
Channel															
Frequency (MHz)				30750	40173	40620	41060	41510							
15	QPSK	1	0	25.74	25.73	25.93	25.73	25.59	27	0					
15	QPSK	1	37	25.82	25.98	25.72	25.70	25.84							
15	QPSK	1	74	25.84	25.93	25.84	25.70	25.54							
15	QPSK	36	0	25.35	25.42	25.56	25.47	25.43							
15	QPSK	36	20	25.32	25.34	25.43	25.38	25.29	26.5	0					
15	QPSK	36	36	25.28	25.35	25.45	25.35	25.27							
15	QPSK	75	0	25.29	25.43	25.61	25.42	25.20							
15	16QAM	1	0	25.59	25.62	25.81	25.77	25.68							
15	16QAM	1	37	25.51	25.65	25.70	25.66	25.54	26.5	0					
15	16QAM	1	74	25.53	25.58	25.64	25.63	25.44							
15	16QAM	36	0	25.45	25.51	25.59	25.47	25.45							
15	16QAM	36	20	25.28	25.42	25.50	25.41	25.26							
15	16QAM	36	36	25.31	25.40	25.44	25.34	25.27	26.5	0					
15	16QAM	75	0	25.37	25.43	25.56	25.43	25.39							
15	64QAM	1	0	25.54	25.58	25.79	25.57	25.47							
15	64QAM	1	37	25.57	25.61	25.69	25.60	25.53		26.5	0				
15	64QAM	1	74	25.31	25.46	25.46	25.33	25.37							
15	64QAM	36	0	24.42	24.53	24.62	24.52	24.43							
15	64QAM	36	20	24.38	24.47	24.61	24.42	24.41	25.5	1					
15	64QAM	75	0	24.44	24.52	24.57	24.51	24.41							
15	256QAM	1	0	21.63	21.70	21.81	21.66	21.62							
15	256QAM	1	37	21.65	21.65	21.84	21.75	21.64	22.5	4					
15	256QAM	1	74	21.50	21.59	21.68	21.68	21.56							
15	256QAM	36	0	21.47	21.50	21.67	21.61	21.43							
15	256QAM	36	20	21.44	21.55	21.45	21.58	21.55	22.5	4					
15	256QAM	36	36	21.33	21.40	21.57	21.43	21.33							
15	256QAM	75	0	21.58	21.58	21.72	21.51	21.46							
Channel															
Frequency (MHz)				30750	40160	40620	41060	41540							
10	QPSK	1	0	25.64	25.67	25.93	25.74	25.61	27	0					
10	QPSK	1	25	25.64	25.53	25.82	25.62	25.58							
10	QPSK	1	49	25.65	25.62	25.84	25.72	25.54							
10	QPSK	25	0	25.41	25.43	25.59	25.46	25.34							
10	QPSK	25	12	25.31	25.36	25.43	25.44	25.34	26.5	0					
10	QPSK	25	25	25.29	25.37	25.43	25.38	25.29							
10	QPSK	50	0	25.30	25.35	25.57	25.44	25.29							
10	16QAM	1	0	25.59	25.60	25.90	25.72	25.61		26.5	0				
10	16QAM	1	25	25.59	25.67	25.80	25.67	25.52							
10	16QAM	1	49	25.48	25.57	25.69	25.61	25.51							
10	16QAM	25	0	25.44	25.40	25.61	25.48	25.44		26.5	0				
10	16QAM	25	12	25.33	25.46	25.52	25.40	25.29							
10	16QAM	25	25	25.28	25.39	25.47	25.37	25.35							
10	16QAM	50	0	25.41	25.44	25.62	25.47	25.46		26.5	0				
10	64QAM	1	0	25.43	25.45	25.74	25.59	25.49							
10	64QAM	1	25	25.57	25.58	25.85	25.55	25.55							
10	64QAM	1	49	25.34	25.53	25.53	25.50	25.37		26.5	0				
10	64QAM	25	0	24.38	24.37	24.60	24.50	24.40							
10	64QAM	25	12	24.44	24.52	24.62	24.53	24.32		25.5	1				
10	64QAM	25	25	24.22	24.30	24.46	24.40	24.32							
10	64QAM	50	0	24.45	24.55	24.54	24.52	24.35							
10	256QAM	1	0	21.63	21.79	21.84	21.69	21.64	22.5	4					
10	256QAM	1	25	21.65	21.63	21.86	21.64	21.64							
10	256QAM	1	49	21.49	21.55	21.67	21.65	21.55							
10	256QAM	25	0	21.57	21.51	21.67	21.61	21.53		22.5	4				
10	256QAM	25	12	21.43	21.53	21.49	21.57	21.52							
10	256QAM	25	25	21.35	21.47	21.55	21.45	21.31							
10	256QAM	50	0	21.44	21.55	21.77	21.50	21.47							
Channel															
Frequency (MHz)				30675	40146	40620	41050	41466							
5	QPSK	1	0	25.70	25.67	25.90	25.74	25.60	27	0					
5	QPSK	1	12	25.69	25.59	25.81	25.72	25.58							
5	QPSK	1	24	25.65	25.99	25.85	25.77	25.55							
5	QPSK	12	0	25.44	25.42	25.60	25.49	25.40							
5	QPSK	12	7	25.34	25.35	25.49	25.43	25.33	26.5	0					
5	QPSK	12	14	25.25	25.34	25.49	25.39	25.28							
5	QPSK	25	0	25.28	25.44	25.49	25.39	25.27							
5	QPSK	25	7	25.19	25.46	25.51	25.79	25.61		26.5	0				
5	16QAM	1	0	25.59	25.66	25.81	25.79	25.61							
5	16QAM	1	12	25.59	25.67	25.80	25.67	25.52							
5	16QAM	1	24	25.43	25.51	25.69	25.59	25.48		26.5	0				
5	16QAM	12	7	25.35	25.46	25.52	25.40	25.29							
5	16QAM	12	14	25.35	25.39	25.49	25.33	25.37							
5	16QAM	12	13	25.33	25.36	25.44	25.37	25.33		26.5	0				
5	16QAM	25	0	25.51	25.53	25.74	25.56	25.41							
5	16QAM	25	7	24.49	24.54	24.69	24.59	24.43							
5	16QAM	25	14	24.30	24.30	24.49	24.39	24.32		25.5	1				
5	64QAM	1	0	24.43	24.53	24.56	24.50	24.41							
5	64QAM	1	12	24.36	24.45	24.51	24.43	24.35							
5	256QAM	1	0	21.56	21.66	21.76	21.56	21.51		22.5	4				
5	256QAM	1	24	21.61	21.56	21.82	21.64	21.61							
5	256QAM	1	24	21.48	21.57	21.69	21.62	21.42							
5	256QAM	12	0	21.57	21.51	21.73	21.64	21.43							
5	256QAM	12	7	21.44	21.49	21.42	21.49	21.56							
5	256QAM	12	13	21.34	21.44	21.38	21.39	21.31							
5	256QAM	25	0	21.59	21.59	21.77	21.50	21.47							
Channel															
Frequency (MHz)				30675	40146	40620	41050	41466							



Band 14 Default Ant 0									
BS Band	Modulation	RB Size	RB Offset	Power [dBm]	Power [dBm] Ch 1/Ch 5	Power [dBm] Ch 1/Ch 5	Power [dBm] Ch 1/Ch 5	Turn-on time [dBm]	MPE [dB]
Channel Frequency (MHz)				23300					
10	QPSK	1	0	23.05					
10	QPSK	1	25	23.00				24	0
10	QPSK	1	50	23.00					
10	QPSK	25	0	22.95					
10	QPSK	25	12	22.81				24	0
10	QPSK	25	25	22.78					
10	QPSK	50	0	22.93					
10	16QAM	1	0	22.86					
10	16QAM	1	25	22.80				24	0
10	16QAM	1	49	22.77					
10	16QAM	25	0	22.77					
10	16QAM	25	12	22.45				23.5	0.5
10	16QAM	25	25	22.50					
10	16QAM	50	0	22.38					
10	16QAM	50	12	22.56				23.5	0.5
10	16QAM	50	25	22.46					
10	16QAM	1	25	22.24					
10	16QAM	1	49	22.18					
10	16QAM	1	73	22.15					
10	16QAM	25	12	21.70				22.5	1.5
10	16QAM	25	25	21.63					
10	16QAM	50	0	21.66					
10	256QAM	1	0	19.77					
10	256QAM	1	25	19.65				20.5	3.5
10	256QAM	1	49	19.40					
10	256QAM	25	0	19.81					
10	256QAM	25	12	19.51				20.5	3.5
10	256QAM	25	25	19.48					
10	256QAM	50	0	19.66					
Channel Frequency (MHz)				23305	23300	23305	Turn-on time [dBm]	MPE [dB]	
5	QPSK	1	0	22.92	22.90	22.97			
5	QPSK	1	12	22.87	22.90	22.86		24	0
5	QPSK	1	24	22.78	22.90	22.74			
5	QPSK	12	0	22.90	22.90	22.93			
5	QPSK	12	7	22.77	22.84	22.77		24	0
5	QPSK	12	14	22.67	22.84	22.64			
5	QPSK	25	0	22.82	22.84	22.85			
5	16QAM	1	0	22.78	22.83	22.78			
5	16QAM	1	12	22.76	22.88	22.74		24	0
5	16QAM	1	24	22.62	22.73	22.64			
5	16QAM	12	0	22.80	22.72	22.87			
5	16QAM	12	7	22.61	22.80	22.57		23.5	0.5
5	16QAM	12	14	22.37	22.40	22.41			
5	16QAM	25	0	22.55	22.63	22.50			
5	16QAM	25	7	22.52	22.52	22.46		23.5	0.5
5	16QAM	1	12	22.28	22.30	22.27			
5	16QAM	1	24	22.44	22.43	22.41			
5	16QAM	12	0	21.76	21.74	21.78			
5	16QAM	12	7	21.63	21.64	21.68		22.8	1.5
5	16QAM	12	14	21.59	21.59	21.52			
5	16QAM	25	0	21.56	21.56	21.66			
5	256QAM	1	0	19.63	19.72	19.65			
5	256QAM	1	12	19.44	19.46	19.44			
5	256QAM	1	24	19.35	19.36	19.34		20.5	3.5
5	256QAM	12	0	19.48	19.47	19.57			
5	256QAM	12	7	19.38	19.37	19.30			
5	256QAM	12	14	19.35	19.36	19.34			
5	256QAM	25	0	19.53	19.53	19.58		20.5	3.5

Band 17 Default Ant 0									
BS Band	Modulation	RBs Size	RBs Offset	Power Pilot Ch/Flch/Freq	Power Data Ch/Flch/Freq	Power Pilot Ch/Flch/Freq	Transmit Rate (kbps)	MPE (dB)	
Frequency (MHz)				27765	27800	27835			
10	QPSK	1	0	22.65	22.73	22.70			
10	QPSK	1	25	22.67	22.80	22.59	24	0	
10	QPSK	1	50	22.46	22.48	22.47			
10	QPSK	1	25	22.46	22.66	22.64			
10	QPSK	12	12	22.49	22.53	22.42	24	0	
10	QPSK	12	37	22.41	22.48	22.47			
10	QPSK	1	0	22.49	22.52	22.44			
10	QPSK	1	25	22.49	22.60	22.45			
10	QPSK	1	50	22.28	22.30	22.29	24	0	
10	QPSK	1	49	22.30	22.40	22.38			
10	QPSK	25	25	22.36	22.58	22.49			
10	QPSK	25	50	22.40	22.43	22.43			
10	QPSK	25	25	22.40	22.40	22.40	23.5	0.5	
10	QPSK	50	0	22.24	22.38	22.33			
10	QPSK	50	25	22.26	22.38	22.36			
10	QPSK	1	24	22.37	22.42	22.42	23.5	0.5	
10	QPSK	1	49	22.32	22.40	22.29			
10	QPSK	12	12	22.18	22.18	22.18			
10	QPSK	12	37	22.18	22.18	22.18	22.5	1.5	
10	QPSK	25	25	21.30	21.36	21.32			
10	QPSK	25	50	21.28	21.28	21.29			
10	QPSK	1	0	19.89	19.71	19.63			
10	QPSK	25	25	19.45	19.53	19.56	20.5	3.5	
10	QPSK	25	50	19.57	19.57	19.51			
10	QPSK	25	0	19.44	19.55	19.43			
10	QPSK	25	12	19.34	19.44	19.33			
10	QPSK	25	37	19.34	19.34	19.34	20.5	3.5	
10	QPSK	50	0	19.28	19.32	19.22			
Frequency (MHz)				27765	27800	27835			
Frequency (MHz)				27765	27800	27835	Transmit Rate (kbps)	MPE (dB)	
5	QPSK	1	0	22.53	22.69	22.65			
5	QPSK	1	12	22.53	22.55	22.48	24	0	
5	QPSK	12	12	22.41	22.37	22.37			
5	QPSK	12	37	22.38	22.37	22.37			
5	QPSK	12	7	22.44	22.44	22.44			
5	QPSK	12	19	22.41	22.41	22.41			
5	QPSK	25	25	22.46	22.49	22.32			
5	QPSK	1	0	22.38	22.52	22.31			
5	QPSK	1	12	22.38	22.39	22.35			
5	QPSK	12	12	22.19	22.32	22.32			
5	QPSK	12	19	22.27	22.45	22.35			
5	QPSK	12	37	22.32	22.32	22.32	23.5	0.5	
5	QPSK	12	19	22.19	22.34	22.27			
5	QPSK	25	0	22.11	22.24	22.19			
5	QPSK	25	12	22.48	22.48	22.48			
5	QPSK	1	12	22.09	22.24	22.09	23.5	0.5	
5	QPSK	1	24	22.17	22.13	22.14			
5	QPSK	12	12	21.21	21.21	21.21	22.5	1.5	
5	QPSK	12	37	21.21	21.21	21.21			
5	QPSK	12	19	21.19	21.23	21.25			
5	QPSK	25	0	21.07	21.23	21.24			
5	QPSK	25	12	21.50	21.65	21.49			
5	QPSK	1	12	19.33	19.42	19.50	20.5	3.5	
5	QPSK	12	12	19.44	19.43	19.47			
5	QPSK	12	37	19.31	19.31	19.31	20.5	3.5	
5	QPSK	12	19	19.27	19.34	19.22			
5	QPSK	25	12	19.50	19.53	19.27			
5	QPSK	25	37	19.24	19.24	19.24	20.5	3.5	



Band 25 DSIs_Simultaneous 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)	APR3 (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.16	23.21	23.16	24	0						
20	QPSK	1	49	23.03	23.03	23.03								
20	QPSK	1	99	22.97	23.01	23.03								
20	QPSK	50	0	23.00	23.15	23.05								
20	QPSK	50	24	22.95	23.03	23.05	24	0						
20	QPSK	50	50	22.88	22.99	22.88								
20	QPSK	100	0	22.91	23.01	22.92								
20	16QAM	1	0	22.96	22.99	22.97								
20	16QAM	1	49	22.94	22.99	22.95	24	0						
20	16QAM	1	99	22.81	22.87	22.80								
20	16QAM	50	0	22.79	22.92	22.85								
20	16QAM	50	24	22.75	22.90	22.75								
20	16QAM	50	50	22.61	22.72	22.70	23.5	0.5						
20	16QAM	100	0	22.62	22.69	22.62								
20	64QAM	1	0	22.86	23.05	22.91								
20	64QAM	1	49	22.79	22.95	22.87								
20	64QAM	50	0	21.82	21.95	21.79	22.5	1.5						
20	64QAM	50	24	21.78	21.79	21.74								
20	64QAM	50	50	21.73	21.85	21.72								
20	64QAM	100	0	21.69	21.66	21.64								
20	256QAM	1	0	21.60	21.64	21.60	20.5	3.5						
20	256QAM	1	49	19.79	19.95	19.83								
20	256QAM	1	99	19.77	19.85	19.78								
20	256QAM	50	0	19.76	19.87	19.80								
20	256QAM	50	24	19.77	19.90	19.74	20.5	3.5						
20	256QAM	50	50	19.70	19.74	19.71								
20	256QAM	100	0	19.62	19.69	19.62								
20	256QAM	100	0	19.62	19.69	19.62								
Channel														
Frequency (MHz)														
16	QPSK	1	0	23.05	23.13	23.04	24	0						
16	QPSK	1	37	22.99	22.99	22.99								
16	QPSK	1	74	22.84	22.90	22.87								
16	QPSK	36	0	22.94	23.01	22.85								
16	QPSK	36	36	22.82	22.86	22.88	24	0						
16	QPSK	36	39	22.84	22.95	22.75								
16	QPSK	75	0	22.77	22.99	22.75								
16	16QAM	1	0	22.82	22.86	22.84								
16	16QAM	1	37	22.81	22.87	22.85	24	0						
16	16QAM	1	74	22.70	22.71	22.69								
16	16QAM	36	0	22.70	22.81	22.75								
16	16QAM	36	39	22.68	22.69	22.62								
16	16QAM	36	75	22.48	22.53	22.50	23.5	0.5						
16	64QAM	1	0	22.74	22.90	22.77								
16	64QAM	1	37	22.70	22.71	22.69								
16	64QAM	1	74	22.70	22.68	22.68								
16	64QAM	36	0	21.74	21.85	21.85	22.5	1.5						
16	64QAM	36	36	21.62	21.68	21.68								
16	64QAM	36	39	21.68	21.75	21.55								
16	64QAM	75	0	21.65	21.54	21.60								
16	256QAM	1	0	19.76	19.85	19.80	20.5	3.5						
16	256QAM	1	37	19.75	19.79	19.79								
16	256QAM	1	74	19.67	19.70	19.73								
16	256QAM	36	0	19.68	19.68	19.67								
16	256QAM	36	39	19.69	19.87	19.80	20.5	3.5						
16	256QAM	36	75	19.67	19.70	19.61								
16	256QAM	75	0	19.65	19.68	19.65								
16	256QAM	75	0	19.65	19.68	19.65								
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.03	23.07	23.03	24	0						
10	QPSK	1	25	22.94	22.92	22.98								
10	QPSK	1	49	22.90	22.95	22.90								
10	QPSK	25	0	22.90	22.94	22.90								
10	QPSK	25	12	22.87	22.83	22.83	24	0						
10	QPSK	25	25	22.84	22.85	22.71								
10	QPSK	80	0	22.77	22.81	22.78								
10	16QAM	1	0	22.90	22.95	22.83								
10	16QAM	1	25	22.81	22.91	22.88	24	0						
10	16QAM	1	49	22.68	22.76	22.75								
10	16QAM	25	0	22.74	22.80	22.70								
10	16QAM	25	12	22.62	22.68	22.67								
10	16QAM	36	0	22.62	22.67	22.57	23.5	0.5						
10	16QAM	36	12	22.62	22.67	22.57								
10	16QAM	50	0	22.57	22.60	22.54								
10	64QAM	1	0	22.82	22.91	22.85								
10	64QAM	1	25	22.64	22.68	22.64	23.5	0.5						
10	64QAM	1	49	22.72	22.76	22.71								
10	64QAM	25	0	21.79	21.84	21.70								
10	64QAM	25	12	21.74	21.76	21.64								
10	64QAM	25	25	21.68	21.77	21.61	22.5	1.5						
10	64QAM	50	0	21.62	21.58	21.52								
10	256QAM	1	0	19.80	19.84	19.81								
10	256QAM	1	25	19.68	19.75	19.72								
10	256QAM	1	49	19.74	19.73	19.68	20.5	3.5						
10	256QAM	25	0	19.65	19.67	19.67								
10	256QAM	25	12	19.71	19.83	19.68								
10	256QAM	25	25	19.65	19.61	19.60								
10	256QAM	50	0	19.65	19.67	19.63	20.5	3.5						
10	256QAM	50	0	19.65	19.67	19.63								
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.03	23.07	23.03	24	0						
5	QPSK	1	12	22.95	22.92	22.93								
5	QPSK	1	24	22.86	22.90	22.85								
5	QPSK	12	0	22.86	23.04	22.94								
5	QPSK	12	7	22.88	23.00	22.84	24	0						
5	QPSK	12	13	22.77	22.88	22.79								
5	QPSK	25	0	22.77	22.81	22.78								
5	16QAM	1	0	22.88	23.04	22.88								
5	16QAM	1	12	22.88	22.90	22.87	24	0						
5	16QAM	1	24	22.67	22.77	22.73								
5	16QAM	12	0	22.70	22.84	22.73								
5	16QAM	12	7	22.71	22.70	22.63								
5	16QAM	12	13	22.60	22.60	22.57	23.5	0.5						
5	16QAM	25	0	22.65	22.62	22.61								
5	64QAM	1	0	22.78	22.88	22.88								
5	64QAM	1	12	22.71	22.82	22.81								
5	64QAM	1	24	22.65	22.69	22.76	22.5	1.5						
5	64QAM	12	0	21.78	21.84	21.70								
5	64QAM	12	7	21.70	21.65	21.70								
5	64QAM	12	13	21.68	21.70	21.68								
5	64QAM	25	0	21.60	21.64	21.60	20.5	3.5						
5	64QAM	15	0	19.75	19.86	19.88								
5	256QAM	1	12	19.71	19.82	19.75								
5	256QAM	1	24	19.68	19.75	19.74								
5	256QAM	12	0	19.76	19.85	19.84	20.5	3.5						
5	256QAM	12	7	19.68	19.75	19.74								
5	256QAM	12	13	19.61	19.64	19.64								
5	256QAM	25	0	19.67	19.64	19.64								
Channel														
Frequency (MHz)														
3	QPSK	1	0	23.02	23.15	23.03	24	0						
3	QPSK	1	12	22.95	22.93	22.95								
3	QPSK	1	14	22.94	23.03	23.00								
3	QPSK	8	0	22.94	23.05	22.98								
3	QPSK	8	7	22.87	23.01	22.91	24	0						
3	QPSK	8	7	22.75	22.84	22.75								
3	QPSK	15	0	22.83	22.98	22.88								
3	QPSK	15	0	22.83	22.98	22.88								
3	QPSK	8	8	22.89	22.88	22.87	24	0						
3	16QAM	1	14	22.77	22.75	22.68								
3	16QAM	8	4	22.85	22.85	22.87								
3	16QAM	8	7	22.57	22.68	22.60								
3	16QAM	8	7	22.57	22.68	22.60	23.5	0.5						
3	16QAM	8	8	22.66	22.81	22.78								
3	16QAM	8	8	22.72	22.80	22.78								
3	16QAM	8	0	22.75	22.92	22.80								
3	16QAM	8	4	21.67	21.68	21.62	22.5	1.5						
3	16QAM	8	4	21.74	21.87	21.82								
3	16QAM	15	0	21.63	21.53	21.58								
3	16QAM	15	0	21.63	21.53	21.58								
3	16QAM	1	0	19.69	19.85	19.77	20.5	3.5						
3	16QAM	1	14	19.63	19.72	19.67								
3	16QAM	1	14	19.63	19.72	19.67								
3	16QAM	8	7	19.62	19.71	19.60								
3	16QAM	8	7	19.62	19.71	19.60	20.5	3.5						
3	16QAM	8	7	19.62	19.71	19.60								
3	16QAM	8	7	19.62	19.71	19.60								
3	16QAM	8	7	19.62	19.71	19.60								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	23.02	23.12	23.03	24	0						
1.4	QPSK	1	12	22.98	22.99	22.99								
1.4	QPSK	1	5	22.93	23.03	23.00								
1.4	QPSK	3	0	22.94	23.05	22.98								
1.4	QPSK	3	3	22.87	23.01	22.91	24	0						
1.4	QPSK	3	3	22.81	22.87	22.82								
1.4	QPSK	3	3	22.81	22.84	22.71								
1.4	QPSK	3	3	22.81	22.84	22.71								
1.4	QPSK	1	0	22.92	23.04	22.93	24	0						
1.4	QPSK	1	3	22.86	23.00	22.81								
1.4	QPSK	1	3	22.86	23.00	22.81								
1.4	QPSK	3	1	22.78	22.89	22.78								
1.4	QPSK	3	1	22.85	22.85	22.84	24	0						
1.4	QPSK	3	1	22.85	22.85	22.84								
1.4	QPSK	3	1	22.85	22.85	22.84								
1.4	QPSK	3	1	22.85	22.85	22.84								
1.4	QPSK	6	0	22.70	22.67	22.69	23.5	0.5						
1.4	QPSK	6	0	22.57	22.62	22.57								
1.4	QPSK	6	0	22.57	22.62	22.57								
1.4	QPSK	6	0	22.57	22.62	22.57								
1.4	QPSK	3	0	22.72	22.76	22.67	23.5	0.5						
1.4	QPSK	3	0	22.67	22.68	22.64								
1.4	QPSK	3	0	22.67	22.68	22.64								
1.4	QPSK	3	0	22.67	22.68	22.64								
1.4	QPSK	3	0	22.67	22.68	22.64	23.5	0.5						
1.4	QPSK	3	0	22.67	22.68	22.64								
1.4	QPSK	3	0	22.67	22.68	22.64								
1.4														



Band 66 DSIS_Simultaneous Ant 0													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up (ms)	MPR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	20.71	20.76	20.83	21.9	0					
20	QPSK	1	48	20.83	20.72	20.82							
20	QPSK	1	96	20.48	20.65	20.87							
20	QPSK	50	0	20.57	20.67	20.54							
20	QPSK	50	24	20.54	20.62	20.53	21.9	0					
20	QPSK	50	50	20.50	20.69	20.59							
20	QPSK	100	0	20.49	20.65	20.53							
20	16QAM	1	0	20.51	20.52	20.37							
20	16QAM	1	48	20.50	20.69	20.58	21.9	0					
20	16QAM	1	96	20.49	20.65	20.43							
20	16QAM	50	0	20.61	20.59	20.54							
20	16QAM	50	24	20.55	20.52	20.57							
20	16QAM	50	50	20.48	20.62	20.54	21.9	0					
20	16QAM	100	0	20.59	20.69	20.54							
20	64QAM	1	0	20.44	20.51	20.38							
20	64QAM	1	48	20.41	20.69	20.46							
20	64QAM	1	96	20.42	20.47	20.53	21.9	0					
20	64QAM	50	0	20.55	20.59	20.49							
20	64QAM	50	24	20.50	20.63	20.53							
20	64QAM	50	50	20.53	20.60	20.50							
20	256QAM	100	0	20.48	20.45	20.41	20.5	14					
20	256QAM	1	0	18.86	18.97	18.94							
20	256QAM	1	48	18.89	18.92	18.84							
20	256QAM	1	96	18.81	18.84	18.83							
20	256QAM	50	0	18.84	18.89	18.86	20.5	14					
20	256QAM	50	24	18.78	18.86	18.74							
20	256QAM	50	50	18.69	18.77	18.73							
20	256QAM	100	0	18.73	18.79	18.73							
Channel													
Frequency (MHz)													
15	QPSK	1	0	20.58	20.70	20.59	21.9	0					
15	QPSK	1	37	20.55	20.59	20.53							
15	QPSK	1	74	20.36	20.52	20.48							
15	QPSK	36	0	20.43	20.57	20.41							
15	QPSK	36	25	20.44	20.54	20.39	21.9	0					
15	QPSK	36	39	20.42	20.58	20.54							
15	QPSK	75	0	20.41	20.48	20.46							
15	16QAM	1	0	20.43	20.38	20.37							
15	16QAM	1	37	20.45	20.58	20.51	21.9	0					
15	16QAM	1	74	20.33	20.48	20.34							
15	16QAM	36	0	20.62	20.48	20.43							
15	16QAM	36	25	20.45	20.58	20.53							
15	16QAM	36	39	20.50	20.52	20.35	21.9	0					
15	16QAM	75	0	20.49	20.55	20.51							
15	64QAM	1	0	20.33	20.48	20.34							
15	64QAM	1	37	20.35	20.49	20.46							
15	64QAM	1	74	20.32	20.32	20.49	21.9	0					
15	64QAM	36	0	20.47	20.44	20.38							
15	64QAM	36	25	20.42	20.52	20.47							
15	64QAM	36	39	20.50	20.52	20.35							
15	64QAM	75	0	20.41	20.40	20.36	20.5	14					
15	256QAM	1	0	18.75	18.86	18.81							
15	256QAM	1	37	18.82	18.80	18.79							
15	256QAM	1	74	18.75	18.79	18.77							
15	256QAM	36	0	18.80	18.85	18.86	20.5	14					
15	256QAM	36	25	18.73	18.79	18.80							
15	256QAM	36	39	18.58	18.69	18.63							
15	256QAM	75	0	18.63	18.61	18.58							
Channel													
Frequency (MHz)													
10	QPSK	1	0	20.57	20.48	20.42	21.9	0					
10	QPSK	1	25	20.56	20.60	20.56							
10	QPSK	1	49	20.44	20.61	20.47							
10	QPSK	25	0	20.43	20.57	20.49							
10	QPSK	25	13	20.49	20.57	20.39	21.9	0					
10	QPSK	25	25	20.37	20.62	20.52							
10	QPSK	50	0	20.45	20.52	20.46							
10	16QAM	1	0	20.44	20.49	20.22							
10	16QAM	1	25	20.48	20.54	20.46	21.9	0					
10	16QAM	1	49	20.52	20.62	20.34							
10	16QAM	25	0	20.53	20.49	20.48							
10	16QAM	25	13	20.48	20.55	20.43							
10	16QAM	50	0	20.38	20.52	20.38	21.9	0					
10	16QAM	50	25	20.47	20.53	20.49							
10	64QAM	1	0	20.37	20.45	20.24							
10	64QAM	1	25	20.35	20.50	20.41							
10	64QAM	1	49	20.31	20.42	20.44	21.9	0					
10	64QAM	25	0	20.51	20.53	20.34							
10	64QAM	25	13	20.43	20.52	20.38							
10	64QAM	25	25	20.47	20.54	20.41							
10	64QAM	50	0	20.38	20.56	20.34	20.5	14					
10	256QAM	1	0	18.75	18.86	18.81							
10	256QAM	1	25	18.79	18.82	18.86							
10	256QAM	1	49	18.73	18.79	18.77							
10	256QAM	25	0	18.71	18.87	18.74	20.5	14					
10	256QAM	25	13	18.75	18.81	18.83							
10	256QAM	25	25	18.60	18.62	18.62							
10	256QAM	50	0	18.63	18.67	18.53							
Channel													
Frequency (MHz)													
5	QPSK	1	0	20.53	20.52	20.43	21.9	0					
5	QPSK	1	12	20.51	20.52	20.59							
5	QPSK	1	24	20.40	20.50	20.51							
5	QPSK	12	0	20.50	20.52	20.43							
5	QPSK	12	7	20.50	20.49	20.44	21.9	0					
5	QPSK	12	13	20.45	20.55	20.49							
5	QPSK	25	0	20.37	20.54	20.44							
5	16QAM	1	0	20.43	20.41	20.34							
5	16QAM	1	12	20.42	20.58	20.49	21.9	0					
5	16QAM	1	24	20.35	20.45	20.35							
5	16QAM	12	0	20.49	20.51	20.47							
5	16QAM	12	7	20.52	20.58	20.52							
5	16QAM	12	13	20.38	20.52	20.45	21.9	0					
5	16QAM	25	0	20.47	20.58	20.50							
5	64QAM	1	0	20.38	20.42	20.31							
5	64QAM	1	12	20.52	20.57	20.34							
5	64QAM	1	24	20.29	20.43	20.42	21.9	0					
5	64QAM	12	0	20.43	20.56	20.38							
5	64QAM	12	7	20.45	20.52	20.39							
5	64QAM	12	13	20.46	20.50	20.37							
5	64QAM	25	0	20.38	20.36	20.28	20.5	14					
5	256QAM	1	0	18.76	18.97	18.88							
5	256QAM	1	12	18.77	18.84	18.80							
5	256QAM	1	24	18.71	18.76	18.76							
5	256QAM	12	0	18.72	18.85	18.71	20.5	14					
5	256QAM	12	7	18.71	18.72	18.69							
5	256QAM	12	13	18.65	18.68	18.61	20.5	14					
5	256QAM	12	25	18.62	18.61	18.51							
5	256QAM	25	0	18.62	18.61	18.51							
5	256QAM	50	0	18.62	18.61	18.51							
Channel													
Frequency (MHz)													
3	QPSK	1	0	20.68	20.71	20.81	21.9	0					
3	QPSK	1	12	20.67	20.67	20.83							
3	QPSK	1	24	20.55	20.69	20.86							
3	QPSK	12	0	20.59	20.61	20.64							
3	QPSK	12	7	20.59	20.59	20.64	21.9	0					
3	QPSK	12	13	20.53	20.63	20.61							
3	QPSK	25	0	20.35	20.51	20.43							
3	QPSK	18	0	20.36	20.49	20.42							
3	QPSK	18	7	20.39	20.47	20.42	21.9	0					
3	QPSK	18	14	20.35	20.51	20.43							
3	QPSK	36	0	20.48	20.64	20.65							
3	QPSK	1	14	20.25	20.51	20.39							
3	QPSK	1	24	20.47	20.47	20.54	21.9	0					
3	QPSK	1	36	20.47	20.47	20.54							
3	QPSK	18	0	20.33	20.32	20.49							
3	QPSK	18	7	20.35	20.41	20.46							
3	QPSK	18	14	20.36	20.48	20.42	21.9	0					
3	QPSK	36	0	20.49	20.51	20.47							
3	QPSK	36	7	20.47	20.47	20.54							
3	QPSK	36	14	20.47	20.47	20.54							
3	QPSK	36	21	20.47	20.47	20.54	20.5	14					
3	QPSK	36	28	20.47	20.47	20.54							
3	QPSK	36	35	20.47	20.47	20.54							
3	QPSK	36	42	20.47	20.47	20.54							
3	QPSK	36	49	20.47	20.47	20.54	20.5	14					
3	QPSK	36	56	20.47	20.47	20.54							
3	QPSK	36	63	20.47	20.47	20.54							
3	QPSK	36	70	20.47	20.47	20.54							
3	QPSK	36	77	20.47	20.47	20.54	20.5	14					
3	QPSK	36	84	20.47	20.47	20.54							
3	QPSK	36	91	20.47	20.47	20.54							
3	QPSK	36	98	20.47	20.47	20.54							
3	QPSK	36	105	20.47	20.47	20.54	20.5	14					
3	QPSK	36	112	20.47	20.47	20.54							
3	QPSK	36	119	20.47	20.47	20.54							
3	QPSK	36	126	20.47	20.47	20.54							
3	QPSK	36	133	20.47	20.47	20.54	20.5	14					
3	QPSK	36	140	20.47	20.47	20.54							
3	QPSK	36	147	20.47	20.47	20.54							
3	QPSK	36	154	20.47	20.47	20.54							
3	QPSK	36	161	20.47	20.47	20.54	20.5	14					
3	QPSK	36	168	20.47	20.47	20.54							
3	QPSK	36	175	20.47	20.47	20.54							
3	QPSK	36	182	20.47	20.47	20.54							
3	QPSK	36	189	20.47	20.47	20.54	20.5	14					
3	QPSK	36	196	20.47	20.47	20.54							
3	QPSK	36	203	20.47	20.47	20.54							
3	QPSK	36	210	20.47	20.47	20.54							
3	QPSK	36	217	20.47	20.47	20.54	20.5	14					
3	QPSK	36	224	20.47	20.47	20.54							
3	QPSK	36	231	20.47	20.47	20.54							
3	QPSK	36	238	20.47	20.47	20.54							
3	QPSK	36	245	20.47	20.47	20.54	20.5	14					
3	QPSK	36	252	20.47	20.47	20.54							
3	QPSK	36	259	20.47	20.47	20.54							
3													

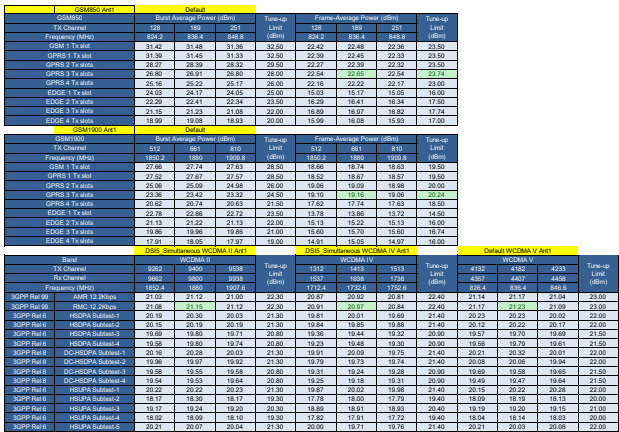


Band 38 Default Ant 0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPE (dB)				
Channel												
Frequency (MHz)												
38760 38900 38160												
20	QPSK	1	0	20.67	20.69	20.50	22	0				
20	QPSK	1	48	20.48	20.43	20.48						
20	QPSK	1	96	20.47	20.43	20.40						
20	QPSK	50	0	20.47	20.35	20.33						
20	QPSK	50	24	20.38	20.50	20.42	22	0				
20	QPSK	50	48	20.33	20.36	20.32						
20	QPSK	100	0	20.37	20.52	20.33						
20	16QAM	1	0	20.46	20.57	20.39						
20	16QAM	1	48	20.30	20.45	20.33	22	0				
20	16QAM	1	96	20.20	20.33	20.40						
20	16QAM	50	0	20.08	20.23	20.04						
20	16QAM	50	24	20.10	20.06	20.05						
20	16QAM	50	50	19.87	20.03	19.96	21.5	0.5				
20	16QAM	100	0	19.92	20.14	20.00						
20	64QAM	1	0	20.03	20.26	20.03						
20	64QAM	1	48	19.94	20.04	20.10						
20	64QAM	1	96	20.10	20.01	20.06	20.5	1.5				
20	64QAM	50	0	19.96	20.04	19.95						
20	64QAM	50	24	19.83	19.90	19.89						
20	64QAM	50	50	19.82	19.86	19.83						
20	64QAM	100	0	19.85	19.88	19.79	18.5	3.5				
20	256QAM	1	0	17.81	18.08	17.94						
20	256QAM	1	48	17.82	18.08	17.92						
20	256QAM	1	96	17.86	17.85	17.87						
20	256QAM	50	0	17.80	17.86	17.87	18.5	3.5				
20	256QAM	50	24	17.90	17.95	17.90						
20	256QAM	50	50	17.77	17.87	17.81						
20	256QAM	100	0	17.84	17.83	17.84						
Channel												
38760 38900 38175												
Frequency (MHz)												
20175 20195 20175												
15	QPSK	1	0	20.50	20.60	20.47	22	0				
15	QPSK	1	37	20.28	20.38	20.42						
15	QPSK	1	74	20.40	20.38	20.23						
15	QPSK	36	0	20.31	20.38	20.27						
15	QPSK	36	20	20.24	20.39	20.31	22	0				
15	QPSK	36	36	20.17	20.27	20.24						
15	QPSK	75	0	20.33	20.39	20.25						
15	16QAM	1	0	20.31	20.44	20.25						
15	16QAM	1	37	20.27	20.37	20.17	22	0				
15	16QAM	1	74	20.25	20.23	20.33						
15	16QAM	36	0	19.95	20.20	19.88						
15	16QAM	36	20	19.92	19.85	19.85						
15	16QAM	36	36	19.78	19.93	19.83	21.5	0.5				
15	16QAM	75	0	19.85	19.99	19.88						
15	64QAM	1	0	19.94	20.23	19.99						
15	64QAM	1	37	19.77	19.97	20.07						
15	64QAM	1	74	20.01	19.99	19.99	20.5	1.5				
15	64QAM	36	0	19.77	20.01	19.81						
15	64QAM	36	20	19.73	19.86	19.85						
15	64QAM	75	0	19.75	19.85	19.89						
15	256QAM	1	0	17.78	17.97	17.88	18.5	3.5				
15	256QAM	1	37	17.74	17.94	17.82						
15	256QAM	1	74	17.73	17.82	17.82						
15	256QAM	36	0	17.83	18.00	17.92						
15	256QAM	36	20	17.86	17.89	17.82	18.5	3.5				
15	256QAM	36	36	17.64	17.77	17.71						
15	256QAM	75	0	17.79	17.96	17.87						
Channel												
38760 38900 38200												
Frequency (MHz)												
20175 20195 20175												
10	QPSK	1	0	20.58	20.62	20.48	22	0				
10	QPSK	1	25	20.31	20.39	20.41						
10	QPSK	1	48	20.35	20.28	20.34						
10	QPSK	25	0	20.37	20.42	20.25						
10	QPSK	25	12	20.24	20.48	20.20	22	0				
10	QPSK	25	25	20.17	20.25	20.22						
10	16QAM	1	0	20.32	20.41	20.25						
10	16QAM	1	25	20.22	20.33	20.29						
10	16QAM	1	48	20.10	20.17	20.33	22	0				
10	16QAM	25	0	20.04	20.20	19.87						
10	16QAM	25	12	20.04	20.20	19.98						
10	16QAM	25	25	20.04	19.83	19.86						
10	16QAM	25	12	19.81	19.86	19.87	21.5	0.5				
10	16QAM	50	0	19.86	20.04	19.84						
10	64QAM	1	0	19.89	20.00	20.01						
10	64QAM	1	25	19.82	20.01	20.01						
10	64QAM	1	48	20.06	19.83	20.04	21.5	0.5				
10	64QAM	25	0	19.81	20.00	19.81						
10	64QAM	25	12	19.71	19.85	19.78						
10	64QAM	25	25	19.74	19.71	19.75						
10	64QAM	50	0	19.80	19.83	19.72	20.5	1.5				
10	256QAM	1	0	17.81	18.03	17.84						
10	256QAM	1	25	17.73	17.97	17.86						
10	256QAM	1	48	17.71	17.70	17.74						
10	256QAM	25	0	17.84	17.83	17.84	18.5	3.5				
10	256QAM	25	12	17.86	17.81	17.85						
10	256QAM	25	25	17.02	17.82	17.89						
10	256QAM	50	0	17.85	17.88	17.84						
Channel												
38775 38900 38225												
Frequency (MHz)												
20175 20195 20175												
5	QPSK	1	0	20.56	20.61	20.38	22	0				
5	QPSK	1	16	20.31	20.32	20.37						
5	QPSK	1	24	20.44	20.39	20.33						
5	QPSK	12	0	20.39	20.48	20.20						
5	QPSK	12	7	20.24	20.42	20.36	22	0				
5	QPSK	12	18	20.11	20.29	20.18						
5	QPSK	25	0	20.26	20.39	20.29						
5	16QAM	1	0	20.31	20.44	20.23						
5	16QAM	1	12	20.28	20.39	20.15	22	0				
5	16QAM	1	24	20.16	20.20	20.26						
5	16QAM	12	0	19.93	20.17	19.96						
5	16QAM	12	7	19.97	19.92	20.00						
5	16QAM	12	13	19.77	19.93	19.80	21.5	0.5				
5	16QAM	25	0	19.82	19.96	19.93						
5	64QAM	1	0	19.94	20.12	20.00						
5	64QAM	1	12	19.89	19.98	20.03						
5	64QAM	1	24	19.95	19.91	19.99	20.5	1.5				
5	64QAM	12	0	19.78	19.89	19.81						
5	64QAM	12	7	19.75	19.78	19.75						
5	64QAM	12	13	19.72	19.78	19.71						
5	256QAM	1	0	17.83	18.01	17.86	18.5	3.5				
5	256QAM	1	12	17.74	18.03	17.82						
5	256QAM	1	24	17.74	17.70	17.78						
5	256QAM	12	0	17.86	17.83	17.85						
5	256QAM	12	7	17.79	17.86	17.86	18.5	3.5				
5	256QAM	12	13	17.70	17.81	17.70						
5	256QAM	25	0	17.87	17.89	17.89						
5	256QAM	25	0									

Band 41 FCC&IC Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPE (dB)
Channel											
Frequency (MHz)				39970	40165	40620	41058	41400	41800		
20 QPSK	1	0	25.99	21.01	20.99	21.15	21.05	21.03	21.03		
20 QPSK	1	48	20.81	21.06	21.02	20.85	20.87	20.87	20.87	22.2	0
20 QPSK	1	96	20.82	20.80	20.86	20.80	20.80	20.80	20.80		
20 QPSK	50	24	20.81	20.89	20.81	20.89	20.89	20.89	20.89		
20 QPSK	50	24	20.76	20.83	20.77	20.81	20.77	20.77	20.77	22.2	0
20 QPSK	50	24	20.76	20.76	20.76	20.76	20.76	20.76	20.76		
20 QPSK	100	0	20.90	20.76	21.05	20.93	20.93	20.93	20.93		
20 16QAM	1	0	20.87	20.79	20.87	20.79	20.85	20.85	20.85		
20 16QAM	1	48	20.83	20.83	20.83	20.83	20.83	20.83	20.83	22.2	0
20 16QAM	1	96	20.82	20.82	20.75	20.75	20.75	20.75	20.75		
20 16QAM	50	0	20.98	20.87	21.03	20.88	20.89	20.89	20.89		
20 16QAM	50	24	20.79	20.81	20.79	20.81	20.79	20.81	20.81	22.2	0
20 16QAM	50	24	20.76	20.79	20.76	20.80	20.76	20.80	20.76		
20 16QAM	100	0	21.02	20.85	21.06	20.86	20.86	20.87	20.87		
20 16QAM	100	0	21.11	20.97	21.11	21.01	21.04	21.04	21.04		
20 64QAM	1	48	20.99	21.00	21.07	21.00	21.04	21.04	21.04	22.2	0
20 64QAM	1	96	20.98	21.00	21.00	20.98	20.98	20.98	20.98		
20 64QAM	50	0	20.77	20.27	20.40	20.30	20.31	20.31	20.31		
20 64QAM	50	24	20.23	20.24	20.32	20.22	20.29	20.29	20.29	21.5	0.7
20 256QAM	1	0	20.19	18.16	18.37	18.16	18.16	18.16	18.16		
20 256QAM	1	96	18.10	18.04	18.24	18.04	18.16	18.16	18.16	19.5	2.7
20 256QAM	1	96	18.10	18.08	18.23	18.15	18.15	18.15	18.15		
20 256QAM	1	96	18.10	18.14	18.24	18.15	18.15	18.15	18.15		
20 256QAM	1	96	18.10	18.14	18.24	18.15	18.15	18.15	18.15		
20 256QAM	1	96	18.10	18.14	18.24	18.15	18.15	18.15	18.15	21.5	2.7
20 256QAM	1	96	18.12	18.08	18.25	18.08	18.10	18.10	18.10		
20 256QAM	1	96	18.12	18.05	18.25	18.08	18.10	18.10	18.10		
Channel											
Frequency (MHz)				39970	40165	40620	41058	41415	41815	Tune-up limit (dBm)	MPE (dB)
15 QPSK	1	0	20.93	21.02	20.99	21.13	21.03	21.03	21.03		
15 QPSK	1	37	20.71	21.04	20.92	20.79	20.85	20.85	20.85		
15 QPSK	1	74	20.78	20.70	20.81	20.76	20.77	20.77	20.77		
15 QPSK	1	111	20.81	20.89	20.81	20.89	20.89	20.89	20.89		
15 QPSK	36	20	20.70	20.74	20.74	20.74	20.74	20.74	20.74	22.2	0
15 QPSK	36	20	20.68	20.73	20.68	20.73	20.68	20.73	20.68		
15 QPSK	1	0	20.82	20.74	20.81	20.69	20.81	20.74	20.74		
15 16QAM	1	0	20.84	20.69	20.80	20.68	20.74	20.74	20.74	22.2	0
15 16QAM	1	37	20.59	20.67	20.59	20.67	20.59	20.68	20.68		
15 16QAM	1	74	20.52	20.80	20.70	20.58	20.72	20.72	20.72		
15 16QAM	36	0	20.91	20.84	20.91	20.87	20.88	20.88	20.88		
15 16QAM	36	20	20.68	20.73	20.68	20.73	20.68	20.73	20.68	22.2	0
15 16QAM	36	20	20.68	20.72	20.62	20.74	20.64	20.64	20.64		
15 16QAM	36	20	20.68	20.72	20.68	20.72	20.68	20.72	20.68		
15 64QAM	1	0	21.04	20.96	21.12	20.95	21.02	21.02	21.02		
15 64QAM	1	37	20.92	20.99	21.02	20.97	20.98	20.98	20.98	22.2	0
15 64QAM	1	74	20.90	20.90	20.90	20.90	20.90	20.90	20.90		
15 64QAM	36	0	20.20	20.19	20.38	20.20	20.20	20.20	20.20		
15 64QAM	36	20	20.08	20.09	20.28	20.17	20.18	20.17	20.17	21.5	0.7
15 64QAM	36	20	20.08	20.09	20.28	20.17	20.18	20.17	20.17		
15 256QAM	1	0	19.99	20.05	20.08	20.02	20.05	20.05	20.05		
15 256QAM	1	37	19.20	18.10	18.33	18.02	18.16	18.16	18.16	19.5	2.7
15 256QAM	1	74	18.04	18.02	18.32	18.11	18.08	18.08	18.08		
15 256QAM	1	74	18.03	18.02	18.32	18.11	18.08	18.08	18.08		
15 256QAM	36	20	18.12	18.03	18.15	17.95	18.05	18.05	18.05	19.5	2.7
15 256QAM	36	20	18.08	17.93	18.11	18.06	18.01	18.01	18.01		
15 256QAM	36	20	18.12	18.11	18.12	18.11	18.11	18.11	18.11		
Channel											
Frequency (MHz)				39970	40160	40620	41058	41540	41940	Tune-up limit (dBm)	MPE (dB)
10 QPSK	1	0	20.93	21.02	20.93	21.13	21.03	21.03	21.03		
10 QPSK	1	25	20.71	21.04	20.98	20.83	20.78	20.80	20.80	22.0	0
10 QPSK	1	50	20.72	20.71	20.78	20.72	20.72	20.72	20.72		
10 QPSK	25	66	20.93	20.82	20.98	20.85	20.98	20.93	20.93		
10 QPSK	25	12	20.62	20.78	20.70	20.70	20.70	20.70	20.70	22.2	0
10 QPSK	25	12	20.72	20.72	20.72	20.72	20.72	20.72	20.72		
10 QPSK	50	0	20.82	20.71	20.82	20.70	20.80	20.80	20.80		
10 16QAM	1	0	20.83	20.68	20.84	20.83	20.73	20.73	20.73		
10 16QAM	1	25	20.69	20.69	20.69	20.69	20.69	20.69	20.69	22.2	0
10 16QAM	1	49	20.49	20.69	20.68	20.77	20.64	20.64	20.64		
10 16QAM	25	0	20.89	20.79	20.89	20.89	20.89	20.89	20.89		
10 16QAM	25	12	20.73	20.78	20.78	20.78	20.78	20.78	20.78		
10 16QAM	25	20	20.73	20.70	20.80	20.68	20.83	20.83	20.83		
10 64QAM	1	0	21.04	20.94	21.10	20.93	21.00	21.00	21.00		
10 64QAM	1	0	21.07	20.90	21.05	20.94	21.04	21.04	21.04		
10 64QAM	1	25	20.91	20.90	21.04	20.92	21.02	21.02	21.02	22.2	0
10 64QAM	1	25	20.87	20.90	20.90	20.90	20.90	20.90	20.90		
10 64QAM	25	0	20.12	20.17	20.30	20.26	20.23	20.23	20.23		
10 64QAM	25	12	20.18	20.15	20.19	20.10	20.20	20.20	20.20	21.5	0.7
10 64QAM	25	12	20.18	20.16	20.18	20.16	20.18	20.18	20.18		
10 64QAM	50	0	20.00	20.01	20.18	20.14	20.08	20.08	20.08		
10 256QAM	1	0	18.16	18.06	18.16	18.06	18.16	18.16	18.16		
10 256QAM	1	25	18.10	18.08	18.29	18.07	18.12	18.12	18.12	19.5	2.7
10 256QAM	1	49	18.05	17.99	18.18	18.02	18.12	18.02	18.02		
10 256QAM	1	49	18.05	18.00	18.18	18.02	18.12	18.02	18.02		
10 256QAM	25	12	18.13	18.09	18.09	17.97	18.09	18.09	18.09	19.5	2.7
10 256QAM	25	20	18.09	18.01	18.02	17.87	18.07	18.07	18.07		
10 256QAM	25	20	18.09	18.09	18.09	18.09	18.09	18.09	18.09		
Channel											
Frequency (MHz)				39970	40148	40620	41058	41565	41965	Tune-up limit (dBm)	MPE (dB)
5 QPSK	1	0	20.93	21.00	21.00	21.05	21.00	21.00	21.00		
5 QPSK	1	12	20.73	20.94	20.95	20.78	20.79	20.79	20.79	22.0	0
5 QPSK	1	24	20.79	20.94	20.94	20.78	20.78	20.78	20.78		
5 QPSK	12	0	20.84	20.80	20.80	20.85	20.85	20.85	20.85		
5 QPSK	12	7	20.84	20.73	20.84	20.69	20.69	20.69	20.69	22.2	0
5 QPSK	12	7	20.73	20.67	20.73	20.67	20.67	20.67	20.67		
5 QPSK	25	0	20.85	20.74	20.98	20.65	20.77	20.77	20.77		
5 QPSK	25	1	20.82	20.77	20.84	20.69	20.77	20.77	20.77		
5 16QAM	1	0	20.83	20.78	20.83	20.78	20.78	20.78	20.78	22.2	0
5 16QAM	1	24	20.50	20.69	20.64	20.71	20.63	20.63	20.63		
5 16QAM	12	7	20.69	20.69	20.69	20.69	20.69	20.69	20.69		
5 16QAM	12	7	20.70	20.79	20.79	20.70	20.79	20.79	20.79	22.2	0
5 16QAM	12	13	20.72	20.71	20.78	20.76	20.76	20.76	20.76		
5 64QAM	1	0	21.03	20.72	21.03	20.72	21.03	21.03	21.03		
5 64QAM	1	0	21.10	20.83	21.08	20.80	21.03	21.03	21.03	22.2	0
5 64QAM	1	12	20.92	20.90	21.01	20.87	21.01	21.01	21.01		
5 64QAM	1	12	20.93	20.93	20.93	20.93	20.93	20.93	20.93		
5 64QAM	12	0	20.12	20.23	20.34	20.20	20.18	20.18	20.18		
5 64QAM	12	7	20.14	20.17	20.17	20.17	20.17	20.17	20.17	21.5	0.7
5 64QAM	12	13	20.14	20.17	20.17	20.17	20.17	20.17	20.17		
5 256QAM	1	0	18.13	18.13	18.13	18.13	18.13	18.13	18.13	19.5	2.7
5 256QAM	1	12	18.24	18.07	18.25	18.03	18.21	18.21	18.21		
5 256QAM	1	24	17.08	18.00	18.19	18.00	18.01	18.01	18.01		
5 256QAM	1	24	17.08	18.00	18.19	18.00	18.01	18.01	18.01		
5 256QAM	12	7	18.08	18.10	18.14	17.96	18.09	18.09	18.09	19.5	2.7
5 256QAM	12	13	18.01	17.96	18.06	18.01	17.96	17.96	17.96		
5 256QAM	12	13	18.0								



Band 41 PC2 FCC&IC Ant 0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid-High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)			
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.56	22.58	22.58	22.43	22.42	23.8	0		
20	QPSK	1	48	22.36	22.30	22.34	22.41	22.37				
20	QPSK	1	96	22.21	22.31	22.37	22.40	22.33				
20	QPSK	50	0	22.40	22.33	22.48	22.23	22.13				
20	QPSK	50	24	22.29	22.26	22.37	22.24	22.13	23.8	0		
20	QPSK	50	48	22.12	22.21	22.23	22.28	22.08				
20	QPSK	100	0	22.22	22.16	22.37	22.24	22.21				
20	16QAM	1	0	22.47	22.52	22.55	22.48	22.45				
20	16QAM	1	48	22.25	22.29	22.34	22.41	22.21	23.8	0		
20	16QAM	1	96	22.34	22.34	22.38	22.59	22.16				
20	16QAM	50	0	22.36	22.23	22.30	22.26	22.11				
20	16QAM	50	24	22.18	22.20	22.27	22.16	22.13				
20	16QAM	100	0	22.20	21.95	22.13	22.11	21.91	23.8	0		
20	16QAM	100	0	22.22	22.52	22.38	22.13	22.07				
20	64QAM	1	0	21.15	22.18	22.27	22.14	22.02				
20	64QAM	1	48	21.99	22.05	22.08	22.09	21.87				
20	64QAM	1	96	22.10	22.06	22.16	21.95	22.00	23.8	0		
20	64QAM	50	0	22.25	22.20	22.42	22.20	22.15				
20	64QAM	50	24	22.13	22.19	22.26	22.24	22.07				
20	64QAM	100	0	22.18	22.06	22.19	22.19	22.06				
20	64QAM	100	0	22.14	22.22	22.28	22.28	22.00	23.8	0		
20	256QAM	1	0	21.61	21.42	21.59	21.46	21.20				
20	256QAM	1	48	21.54	21.40	21.59	21.46	21.30				
20	256QAM	1	96	21.24	21.37	21.38	21.38	21.28				
20	256QAM	50	0	21.08	21.31	21.43	21.28	21.24	22	1.8		
20	256QAM	50	24	21.22	21.16	21.29	21.24	21.04				
20	256QAM	100	0	21.14	21.12	21.21	21.20	21.05				
20	256QAM	100	0	21.20	21.21	21.38	21.18	21.11				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.52	22.47	22.53	22.42	22.32	23.8	0		
15	QPSK	1	37	22.34	22.20	22.44	22.28	22.27				
15	QPSK	1	74	22.16	22.27	22.23	22.36	22.26				
15	QPSK	36	0	22.30	22.31	22.40	22.16	22.08				
15	QPSK	36	20	22.16	22.14	22.27	22.22	22.01	23.8	0		
15	QPSK	36	36	22.08	22.08	22.19	22.20	22.01				
15	QPSK	75	0	22.13	22.07	22.29	22.20	22.19				
15	16QAM	1	0	22.43	22.43	22.44	22.35	22.33				
15	16QAM	1	37	22.10	22.23	22.21	22.37	22.14	23.8	0		
15	16QAM	1	74	22.25	22.23	22.28	22.38	22.05				
15	16QAM	36	0	22.18	22.15	22.21	22.25	22.05				
15	16QAM	36	20	22.15	22.11	22.20	22.13	22.02				
15	16QAM	36	36	22.14	21.93	22.07	21.98	21.84	23.8	0		
15	16QAM	75	0	22.13	22.21	22.26	22.05	22.17				
15	64QAM	1	0	22.46	22.05	22.16	22.04	21.91				
15	64QAM	1	37	21.94	21.93	21.95	22.01	21.78				
15	64QAM	74	0	22.99	21.96	22.04	21.90	21.91	23.8	0		
15	64QAM	36	0	22.17	22.09	22.38	22.10	22.06				
15	64QAM	36	20	22.06	22.10	22.13	22.17	21.94				
15	64QAM	75	0	22.08	22.12	22.15	22.22	21.85				
15	64QAM	75	0	22.04	22.17	22.15	22.22	21.85	22	1.8		
15	256QAM	1	0	21.43	21.30	21.51	21.39	21.22				
15	256QAM	1	37	21.42	21.27	21.46	21.35	21.18				
15	256QAM	1	74	21.20	21.26	21.32	21.23	21.20				
15	256QAM	36	0	21.24	21.17	21.34	21.25	21.11				
15	256QAM	36	20	21.08	21.12	21.21	21.15	20.99	22	1.8		
15	256QAM	36	36	21.10	21.08	21.07	21.09	20.98				
15	256QAM	75	0	21.21	21.12	21.31	21.06	21.07				
15	256QAM	75	0	21.21	21.12	21.31	21.06	21.07				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.40	22.48	22.54	22.42	22.29	23.8	0		
10	QPSK	1	25	22.20	22.19	22.51	22.35	22.32				
10	QPSK	1	48	22.15	22.18	22.26	22.29	22.28				
10	QPSK	25	0	22.28	22.26	22.35	22.17	22.08				
10	QPSK	25	12	22.25	22.13	22.23	22.12	22.02	23.8	0		
10	QPSK	25	25	22.00	22.15	22.10	22.18	21.99				
10	QPSK	25	0	22.17	22.10	22.33	22.12	22.10				
10	16QAM	1	0	22.34	22.47	22.47	22.40	22.38				
10	16QAM	1	25	22.22	22.23	22.42	22.27	22.17	23.8	0		
10	16QAM	1	48	22.30	22.22	22.34	22.42	22.11				
10	16QAM	25	0	22.24	22.18	22.21	22.18	22.08				
10	16QAM	25	12	22.13	22.07	22.22	22.04	22.05				
10	16QAM	25	0	22.13	21.92	22.01	22.02	21.85	23.8	0		
10	16QAM	50	0	22.21	22.28	22.32	22.09	22.22				
10	64QAM	1	0	22.07	22.07	22.31	22.13	21.98				
10	64QAM	1	25	21.89	21.97	21.94	22.04	21.81				
10	64QAM	1	48	22.03	22.05	22.04	21.85	21.87	23.8	0		
10	64QAM	25	0	22.19	22.11	22.31	22.17	22.08				
10	64QAM	25	12	22.00	22.08	22.21	22.14	21.97				
10	64QAM	25	25	22.16	21.99	22.08	22.12	22.00				
10	64QAM	50	0	22.05	22.09	22.19	22.17	21.88	22	1.8		
10	256QAM	1	0	21.47	21.39	21.54	21.36	21.18				
10	256QAM	1	25	21.91	21.26	21.47	21.36	21.25				
10	256QAM	1	48	21.14	21.30	21.35	21.30	21.22				
10	256QAM	25	0	21.28	21.21	21.38	21.32	21.20	22	1.8		
10	256QAM	25	12	21.09	21.04	21.23	21.17	20.94				
10	256QAM	25	25	20.95	21.07	21.13	21.15	20.95				
10	256QAM	50	0	21.28	21.16	21.27	21.11	21.02				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.51	22.54	22.58	22.44	22.38	23.8	0		
5	QPSK	1	16	22.31	22.22	22.46	22.28	22.20				
5	QPSK	1	24	22.09	22.18	22.33	22.33	22.31				
5	QPSK	12	0	22.39	22.23	22.35	22.10	22.10				
5	QPSK	12	7	22.17	22.23	22.33	22.17	22.01	23.8	0		
5	QPSK	12	19	22.01	22.14	22.19	22.21	22.01				
5	QPSK	25	0	22.15	22.19	22.24	22.11	22.01				
5	16QAM	1	0	22.42	22.40	22.48	22.38	22.38				
5	16QAM	1	12	22.13	22.07	22.26	22.38	22.14	23.8	0		
5	16QAM	1	24	22.36	22.27	22.26	22.47	22.14				
5	16QAM	12	0	22.25	22.21	22.19	22.14	22.05				
5	16QAM	12	7	22.07	22.15	22.14	22.09	21.99				
5	16QAM	12	13	22.14	21.82	22.05	22.09	21.80	23.8	0		
5	16QAM	25	0	22.20	22.25	22.19	22.03	22.15				
5	64QAM	1	0	22.13	22.14	22.19	22.10	21.93				
5	64QAM	1	12	21.90	21.98	21.93	22.05	21.79				
5	64QAM	1	24	22.00	22.04	22.13	21.91	21.99	23.8	0		
5	64QAM	12	0	22.13	22.16	22.21	22.02	22.09				
5	64QAM	12	7	22.03	22.16	22.13	22.17	22.04				
5	64QAM	25	0	22.07	22.14	22.02	22.18	21.98				
5	256QAM	1	0	21.45	21.34	21.49	21.41	21.22	22	1.8		
5	256QAM	1	12	21.48	21.25	21.46	21.37	21.17				
5	256QAM	1	24	21.19	21.30	21.32	21.28	21.22				
5	256QAM	12	0	21.28	21.25	21.33	21.22	21.19				





Band 2 Default Ant 1										Band 4 Default Ant 1										Band 5 Default Ant 1										Band 7 DS1s_Simultaneous Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Ch./F.Freq.	Power Ch./F.Freq.	Turn-up Time (sec)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Ch./F.Freq.	Power Ch./F.Freq.	Turn-up Time (sec)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Ch./F.Freq.	Power Ch./F.Freq.	Turn-up Time (sec)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Ch./F.Freq.	Power Ch./F.Freq.	Turn-up Time (sec)	MPR (dB)		
Channel										Channel										Channel										Channel										
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										
20	QPSK	1	0	20.50	21.00	20.50	22	0		20	QPSK	1	0	20.93	21.08	20.89	22	0		10	QPSK	1	0	21.22	21.31	21.26	22	0		20	QPSK	1	0	19.88	19.80	19.81	20	1	0	
20	QPSK	1	49	20.75	21.04	20.88				20	QPSK	1	49	20.80	20.94	20.80				10	QPSK	1	25	21.15	21.28	21.20				20	QPSK	1	49	19.88	19.89	19.79				
20	QPSK	1	99	20.80	20.89	20.80				20	QPSK	1	99	20.77	20.91	20.78				10	QPSK	1	49	21.08	21.15	21.08			20	QPSK	1	99	19.71	19.83	19.73	20	1	0		
20	QPSK	50	0	20.59	21.04	20.88				20	QPSK	50	0	20.75	20.91	20.83				10	QPSK	25	0	21.13	21.20	21.13			20	QPSK	50	0	19.87	19.85	19.76					
20	QPSK	50	24	20.87	20.90	20.90				20	QPSK	50	24	20.72	20.81	20.79				10	QPSK	25	12	21.12	21.16	21.11			20	QPSK	50	24	19.73	19.80	19.72	20	1	0		
20	QPSK	100	0	20.50	20.65	20.82				20	QPSK	100	0	20.78	20.87	20.77				10	QPSK	25	25	20.99	21.09	21.03			20	QPSK	100	0	19.74	19.78	19.81					
20	QPSK	100	0	20.60	20.66	20.87				20	QPSK	100	0	20.78	20.87	20.83				10	QPSK	50	0	21.03	21.18	21.11			20	QPSK	100	0	19.71	19.83	19.69	20	1	0		
20	16QAM	1	49	20.77	20.83	20.79	22	0		20	16QAM	1	49	20.87	20.92	20.80	22	0		10	16QAM	1	25	21.05	21.16	21.09			20	16QAM	1	49	19.84	19.77	19.82					
20	16QAM	1	99	20.69	20.73	20.77				20	16QAM	1	99	20.67	20.83	20.68				10	16QAM	1	49	20.80	21.00	20.97			20	16QAM	1	99	19.66	19.75	19.68	20	1	0		
20	16QAM	50	24	20.82	20.88	20.76				20	16QAM	50	24	20.74	20.86	20.66				10	16QAM	25	0	20.99	21.11	21.02			20	16QAM	50	24	19.72	19.81	19.67		20	1	0	
20	16QAM	50	50	20.72	20.85	20.88				20	16QAM	50	50	20.88	20.74	20.75				10	16QAM	25	12	20.93	21.07	21.02			20	16QAM	50	50	19.69	19.78	19.86	20		1	0	
20	16QAM	100	0	20.70	20.79	20.86				20	16QAM	100	0	20.82	20.74	20.75				10	16QAM	25	25	20.99	20.99	20.92			20	16QAM	100	0	19.74	19.77	19.70					
20	16QAM	1	0	20.71	20.80	20.71				20	16QAM	1	0	20.78	20.85	20.75				10	16QAM	50	0	20.96	20.93	20.97			20	16QAM	1	0	19.63	19.77	19.63	20	1	0		
20	16QAM	1	49	20.67	20.76	20.72				20	16QAM	1	49	20.74	20.80	20.74				10	16QAM	1	25	20.79	20.83	20.85			20	16QAM	1	49	19.65	19.72	19.69					
20	16QAM	1	99	20.68	20.73	20.77				20	16QAM	1	99	20.69	20.70	20.72				10	16QAM	1	49	20.76	20.84	20.75			20	16QAM	1	99	19.67	19.72	19.65	20	1	0		
20	16QAM	50	24	20.77	20.73	19.69				20	16QAM	50	24	20.70	19.50	19.75				10	16QAM	25	0	20.93	20.96	20.95			20	16QAM	50	24	19.73	19.78	19.83		20	1	0	
20	16QAM	50	50	20.75	20.79	20.86				20	16QAM	50	50	20.84	19.78	19.86				10	16QAM	25	25	20.92	21.02	21.02			20	16QAM	50	50	19.67	19.78	19.84					
20	16QAM	100	0	19.86	19.83	19.80				20	16QAM	100	0	19.68	19.74	19.75				10	16QAM	50	0	20.94	20.11	20.14			20	16QAM	100	0	19.67	19.74	19.82	20	1	0		
20	256QAM	1	49	17.87	17.89	17.89				20	256QAM	1	49	17.95	17.84	17.91				10	256QAM	1	0	17.99	18.12	18.03			20	256QAM	1	49	19.49	19.50	19.42					
20	256QAM	1	99	17.82	17.86	17.81				20	256QAM	1	99	17.89	17.84	17.86				10	256QAM	1	49	17.88	17.83	17.88			20	256QAM	1	99	19.35	19.43	19.43	20	0	1	0	
20	256QAM	50	24	17.88	17.94	17.88				20	256QAM	50	24	17.85	17.82	17.81				10	256QAM	25	25	17.95	18.01	17.98			20	256QAM	50	24	19.37	19.44	19.36					
20	256QAM	50	50	17.75	17.81	17.89				20	256QAM	50	50	17.67	17.72	17.68				10	256QAM	25	25	17.86	17.99	17.83			20	256QAM	50	50	19.34	19.44	19.33	20	1	0		
20	256QAM	100	0	17.87	17.91	17.87				20	256QAM	100	0	17.65	17.62	17.60				10	256QAM	25	0	17.94	17.97	17.93			20	256QAM	100	0	19.39	19.40	19.39		20	0	1	0
Channel										Channel										Channel										Channel										
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										
15	QPSK	1	0	20.88	21.02	20.89	22	0		15	QPSK	1	0	20.86	21.02	20.78	22	0		5	QPSK	1	0	21.11	21.24	21.22	22	0		15	QPSK	1	0	19.75	19.82	19.76	20	1	0	
15	QPSK	1	49	20.78	20.79	20.80				15	QPSK	1	49	20.79	20.78	20.81				5	QPSK	1	24	21.07	21.18	21.07			15	QPSK	1	49	19.74	19.83	19.77					
15	QPSK	1	74	20.73	21.00	20.86				15	QPSK	1	74	20.66	20.86	20.73				5	QPSK	1	24	20.99	21.04	21.09			15	QPSK	1	74	19.63	19.77	19.62	20	1	0		
15	QPSK	36	0	20.83	21.03	20.87				15	QPSK	36	0	20.83	20.85	20.74				5	QPSK	12	0	21.04	21.15	21.08			15	QPSK	36	0	19.67	19.74	19.63					
15	QPSK	36	24	20.78	20.89	20.89				15	QPSK	36	24	20.82	20.78	20.87				5	QPSK	12	13	20.94	20.90	20.92			15	QPSK	36	24	19.62	19.69	19.67	20	1	0		
15	QPSK	36	39	20.80	20.83	20.73				15	QPSK	36	39	20.60	20.67	20.69				5	QPSK	12	13	20.85	21.04	21.01			15	QPSK	36	39	19.67	19.64	19.73					
15	QPSK	75	0	20.80	20.85	20.82				15	QPSK	75	0	20.69	20.79	20.76				5	QPSK	25	0	20.91	20.93	20.95			15	QPSK	75	0	19.66	19.76	19.68	20	1	0		
15	16QAM	1	0	20.75	20.77	20.81				15	16QAM	1	0	20.80	20.78	20.75				5	16QAM	1	0	20.94	21.07	20.97			15	16QAM	1	0	19.60	19.70	19.60					
15	16QAM	1	37	20.76	20.73	20.84				15	16QAM	1	37	20.67	20.78	20.82				5	16QAM	1	12	20.89	20.98	20.96			15	16QAM	1	37	19.60	19.74	19.72	20	1	0		
15	16QAM	1	74	20.66	20.74	20.71				15	16QAM	1	74	20.62	20.73	20.68				5	16QAM	1	24	20.80	20.95	20.92			15	16QAM	1	74	19.63	19.72	19.64					
15	16QAM	1	99	20.72	20.81	20.87				15	16QAM	1	99	20.68	20.76	20.76				5	16QAM	1	49	20.85	21.00	20.92			15	16QAM	1	99	19.64	19.73	19.66	20	1	0		
15	16QAM	50	24	20.84	20.84	20.69				15	16QAM	50	24	20.58	20.69	20.63				5	16QAM	12	7	20.88	21.02	20.90			15	16QAM	50	24	19.67	19.76	19.57					
15	16QAM	50	50	20.69	20.80	20.57				15	16QAM	50	50	20.50	20.64	20.50				5	16QAM	12	13	20.84	20.94	20.78			15	16QAM	50	50	19.62	19.69	19.57	20	1	0		
15	16QAM	100	0	20.73	20.83	20.75				15	16QAM	100	0	20.58	20.60																									



Band 12 Default Ant 1														
BW (MHz)	Modulation	RB Size	RB Offset	Power ModCh Ch / Freq	Power MainCh Ch / Freq	Power HspCh Ch / Freq	Tune-up Intvl (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	21.61	21.73	21.68	23	0						
10	QPSK	1	25	21.43	21.51	21.52								
10	QPSK	1	49	21.47	21.49	21.48								
10	QPSK	25	0	21.60	21.70	21.65								
10	QPSK	25	12	21.58	21.63	21.53	23	0						
10	QPSK	25	25	21.48	21.48	21.48								
10	QPSK	50	0	21.51	21.57	21.45								
10	16QAM	1	0	21.55	21.63	21.51								
10	16QAM	1	25	21.39	21.59	21.49	23	0						
10	16QAM	1	49	21.48	21.48	21.48								
10	16QAM	25	0	21.39	21.39	21.41								
10	16QAM	25	12	21.34	21.49	21.40								
10	16QAM	25	25	21.38	21.39	21.41	22.5	0.5						
10	16QAM	50	0	21.33	21.54	21.40								
10	64QAM	1	0	21.34	21.50	21.36								
10	64QAM	1	25	21.26	21.32	21.33								
10	64QAM	1	49	21.24	21.36	21.28	22.5	0.5						
10	64QAM	25	0	20.40	20.55	20.43								
10	64QAM	25	12	20.37	20.43	20.31								
10	64QAM	25	25	20.35	20.34	20.33								
10	64QAM	50	0	20.25	20.27	20.31	21.5	1.5						
10	256QAM	1	0	18.44	18.62	18.46								
10	256QAM	1	25	18.42	18.52	18.49								
10	256QAM	1	49	18.41	18.37	18.33								
10	256QAM	25	0	18.25	18.25	18.42	19.5	3.5						
10	256QAM	25	12	18.26	18.37	18.36								
10	256QAM	25	25	18.24	18.32	18.32								
10	256QAM	50	0	18.00	18.00	18.00								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.56	21.63	21.54	23	0						
5	QPSK	1	12	21.37	21.38	21.43								
5	QPSK	1	24	21.33	21.44	21.40								
5	QPSK	12	0	21.51	21.58	21.44								
5	QPSK	12	13	21.49	21.58	21.39	23	0						
5	QPSK	12	13	21.34	21.39	21.41								
5	QPSK	25	0	21.40	21.46	21.39								
5	16QAM	1	0	21.48	21.51	21.40								
5	16QAM	1	12	21.36	21.37	21.23	23	0						
5	16QAM	1	24	21.22	21.37	21.31								
5	16QAM	12	0	21.31	21.46	21.41								
5	16QAM	12	7	21.23	21.39	21.27								
5	16QAM	12	13	21.27	21.32	21.36	22.5	0.5						
5	16QAM	25	0	21.26	21.43	21.34								
5	64QAM	1	0	21.20	21.36	21.22								
5	64QAM	1	12	21.07	21.27	21.21								
5	64QAM	1	24	21.13	21.25	21.20	22.5	0.5						
5	64QAM	12	0	20.31	20.41	20.36								
5	64QAM	12	7	20.36	20.36	20.46								
5	64QAM	12	13	21.27	21.32	21.36								
5	64QAM	25	0	20.15	20.22	20.24	21.5	1.5						
5	256QAM	1	0	18.20	18.20	18.17								
5	256QAM	1	12	18.31	18.50	18.45								
5	256QAM	1	24	18.28	18.31	18.25								
5	256QAM	12	0	18.30	18.34	18.34	19.5	3.5						
5	256QAM	12	7	18.17	18.24	18.23								
5	256QAM	12	13	18.27	18.29	18.29								
5	256QAM	25	0	18.20	18.42	18.17								
5	256QAM	25	0	18.23	18.36	18.17	19.5	3.5						
5	256QAM	25	0	18.23	18.36	18.17								
5	256QAM	25	0	18.23	18.36	18.17								
5	256QAM	25	0	18.23	18.36	18.17								
Channel														
Frequency (MHz)														
3	QPSK	1	0	21.48	21.49	21.43	23	0						
3	QPSK	1	8	21.32	21.54	21.37								
3	QPSK	1	14	21.42	21.43	21.38								
3	QPSK	3	0	21.55	21.59	21.45								
3	QPSK	3	8	21.48	21.52	21.39	23	0						
3	QPSK	8	7	21.32	21.40	21.38								
3	QPSK	16	0	21.37	21.53	21.37								
3	16QAM	1	0	21.47	21.57	21.37								
3	16QAM	1	8	21.30	21.41	21.33	23	0						
3	16QAM	1	14	21.22	21.42	21.30								
3	16QAM	8	0	21.26	21.49	21.41								
3	16QAM	8	4	21.21	21.38	21.30								
3	16QAM	8	7	21.28	21.32	21.27	22.5	0.5						
3	16QAM	15	0	21.22	21.47	21.36								
3	64QAM	1	0	21.20	21.40	21.29								
3	64QAM	1	8	21.12	21.29	21.18								
3	64QAM	1	14	21.12	21.23	21.18	21.5	1.5						
3	64QAM	8	0	20.37	20.43	20.39								
3	64QAM	8	4	20.33	20.35	20.25								
3	64QAM	8	7	20.16	20.19	20.27								
3	64QAM	15	0	20.19	20.25	20.22	19.5	3.5						
3	256QAM	1	0	18.30	18.47	18.36								
3	256QAM	1	8	18.27	18.49	18.43								
3	256QAM	1	14	18.28	18.33	18.26								
3	256QAM	8	0	18.26	18.40	18.31	19.5	3.5						
3	256QAM	8	4	18.18	18.26	18.20								
3	256QAM	8	7	18.20	18.19	18.29								
3	256QAM	15	0	18.23	18.36	18.17								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	21.42	21.49	21.42	23	0						
1.4	QPSK	1	3	21.35	21.50	21.40								
1.4	QPSK	1	5	21.40	21.44	21.45								
1.4	QPSK	3	0	21.57	21.61	21.51								
1.4	QPSK	3	1	21.48	21.59	21.39	23	0						
1.4	QPSK	3	3	21.35	21.33	21.35								
1.4	QPSK	6	0	21.39	21.60	21.36								
1.4	16QAM	1	0	21.50	21.59	21.39								
1.4	16QAM	1	3	21.34	21.40	21.33	23	0						
1.4	16QAM	1	6	21.26	21.43	21.40								
1.4	16QAM	3	0	21.28	21.48	21.36								
1.4	16QAM	3	1	21.26	21.44	21.28								
1.4	16QAM	3	3	21.23	21.37	21.35	22.5	0.5						
1.4	16QAM	6	0	21.21	21.48	21.34								
1.4	64QAM	1	0	21.28	21.47	21.27								
1.4	64QAM	1	3	21.13	21.21	21.19								
1.4	64QAM	1	5	21.19	21.28	21.18	22.5	0.5						
1.4	64QAM	3	0	21.23	21.36	21.32								
1.4	64QAM	3	1	21.23	21.23	21.20								
1.4	64QAM	3	3	21.10	21.22	21.17								
1.4	64QAM	6	0	20.39	20.41	20.29	21.5	1.5						
1.4	256QAM	1	0	18.37	18.49	18.44								
1.4	256QAM	1					19.5	3.5						
1.4	256QAM	1												
1.4	256QAM	1												
1.4	256QAM	1												
1.4	256QAM	1												
1.4	256QAM	1												

Band 25 Default Ant 1																		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MFR (dB)										
Channel																		
Frequency (MHz)																		
20	QPSK	1	0	21.00	21.11	21.06	22	0										
20	QPSK	1	48	20.83	20.94	20.88												
20	QPSK	1	96	20.83	20.92	20.87												
20	QPSK	50	0	20.92	21.00	20.96												
20	QPSK	50	24	20.84	20.95	20.89	22	0										
20	QPSK	50	50	20.76	20.87	20.80												
20	QPSK	100	0	20.89	21.02	20.94												
20	16QAM	100	0	20.87	21.06	20.93												
20	16QAM	1	48	20.83	20.89	20.86	22	0										
20	16QAM	1	96	20.78	20.85	20.80												
20	16QAM	50	0	20.84	21.00	20.94												
20	16QAM	50	24	20.77	20.90	20.81												
20	16QAM	50	50	20.74	20.79	20.75	22	0										
20	16QAM	100	0	20.82	20.96	20.82												
20	64QAM	1	0	20.88	21.09	20.97												
20	64QAM	1	48	20.92	20.97	20.89												
20	64QAM	1	96	20.88	20.89	20.80	22	0										
20	64QAM	50	0	20.89	21.01	20.89												
20	64QAM	50	24	20.81	20.89	20.84												
20	64QAM	50	50	20.70	20.78	20.74												
20	64QAM	100	0	20.88	20.95	20.82	22	0										
20	256QAM	1	0	20.80	20.97	20.88												
20	256QAM	1	48	17.82	17.87	17.78												
20	256QAM	1	96	17.77	17.84	17.77												
20	256QAM	50	24	17.80	17.85	17.74	19	3										
20	256QAM	50	50	17.71	17.82	17.78												
20	256QAM	100	0	17.82	17.85	17.80												
Channel																		
Frequency (MHz)																		
18	QPSK	1	0	20.89	21.07	20.98	22	0										
18	QPSK	1	32	20.75	20.81	20.79												
18	QPSK	1	74	20.75	20.84	20.78												
18	QPSK	36	0	20.83	20.94	20.91												
18	QPSK	36	25	20.80	20.77	20.77	22	0										
18	QPSK	36	39	20.62	20.70	20.74												
18	QPSK	75	0	20.82	20.98	20.88												
18	16QAM	1	0	20.80	20.88	20.88												
18	16QAM	1	32	20.77	20.83	20.79	22	0										
18	16QAM	1	64	20.76	20.79	20.78												
18	16QAM	36	0	20.71	20.86	20.71												
18	16QAM	36	25	20.71	20.86	20.74												
18	16QAM	75	0	20.78	20.81	20.81	22	0										
18	64QAM	1	0	20.83	21.06	20.88												
18	64QAM	1	32	20.76	20.89	20.77												
18	64QAM	1	74	20.74	20.85	20.70												
18	64QAM	36	0	20.76	20.86	20.75	22	0										
18	64QAM	36	25	20.76	20.86	20.74												
18	64QAM	36	39	20.62	20.81	20.80												
18	64QAM	75	0	20.77	20.81	20.88												
18	256QAM	1	0	17.80	17.86	17.80	19	3										
18	256QAM	1	32	17.88	17.93	17.79												
18	256QAM	1	74	17.83	17.71	17.73												
18	256QAM	36	0	17.86	17.85	17.86												
18	256QAM	36	25	17.69	17.78	17.77	19	3										
18	256QAM	36	39	17.66	17.78	17.67												
18	256QAM	75	0	17.78	17.87	17.80												
Channel																		
Frequency (MHz)																		
10	QPSK	1	0	20.80	21.02	20.90	22	0										
10	QPSK	1	25	20.78	20.93	20.89												
10	QPSK	1	48	20.78	20.80	20.73												
10	QPSK	12	0	20.78	21.02	20.89												
10	QPSK	25	12	20.77	20.77	20.76	22	0										
10	QPSK	25	25	20.63	20.78	20.73												
10	QPSK	50	0	20.79	20.98	20.88												
10	16QAM	1	0	20.80	20.97	20.82												
10	16QAM	1	25	20.74	20.76	20.79	22	0										
10	16QAM	1	48	20.76	20.77	20.78												
10	16QAM	25	0	20.77	20.91	20.79												
10	16QAM	25	12	20.68	20.86	20.77												
10	16QAM	36	0	20.67	20.84	20.82	22	0										
10	16QAM	50	0	20.76	20.81	20.85												
10	64QAM	1	0	20.89	21.00	20.93												
10	64QAM	1	24	20.77	20.85	20.77												
10	64QAM	1	48	20.84	20.80	20.89	22	0										
10	64QAM	25	0	20.79	20.88	20.74												
10	64QAM	25	12	20.68	20.80	20.77												
10	64QAM	25	25	20.65	20.66	20.62												
10	64QAM	50	0	20.71	20.91	20.81	22	0										
10	256QAM	1	0	17.82	17.87	17.77												
10	256QAM	1	25	17.88	17.96	17.74												
10	256QAM	1	48	17.71	17.75	17.62												
10	256QAM	25	0	17.80	17.85	17.82	19	3										
10	256QAM	25	12	17.74	17.71	17.77												
10	256QAM	25	25	17.64	17.74	17.74												
10	256QAM	50	0	17.82	17.86	17.79												
Channel																		
Frequency (MHz)																		
5	QPSK	1	0	20.84	21.00	20.90	22	0										
5	QPSK	1	12	20.80	20.84	20.89												
5	QPSK	1	24	20.69	20.81	20.80												
5	QPSK	12	0	20.78	21.02	20.89												
5	QPSK	12	7	20.73	20.83	20.74	22	0										
5	QPSK	12	13	20.64	20.80	20.74												
5	QPSK	25	0	20.81	20.90	20.86												
5	16QAM	1	0	20.73	20.92	20.82												
5	16QAM	1	12	20.73	20.81	20.75	22	0										
5	16QAM	1	24	20.68	20.74	20.76												
5	16QAM	12	0	20.77	20.90	20.89												
5	16QAM	12	7	20.72	20.78	20.78												
5	16QAM	12	13	20.64	20.74	20.67	22	0										
5	16QAM	25	0	20.80	20.84	20.83												
5	16QAM	25	7	20.65	20.85	20.81												
5	16QAM	25	13	20.62	20.81	20.79												
5	16QAM	12	0	20.75	20.90	20.84	22	0										
5	16QAM	12	7	20.77	20.74	20.76												
5	16QAM	12	13	20.68	20.78	20.74												
5	16QAM	25	0	20.74	20.94	20.89												
5	256QAM	1	0	17.77	18.03	17.77	19	3										
5	256QAM	1	12	17.82	18.02	17.82												
5	256QAM	1	24	17.73	17.70	17.69												
5	256QAM	12	0	17.76	17.87	17.75												
5	256QAM	12	7	17.71	17.71	17.74	19	3										
5	256QAM	12	13	17.62	17.70	17.74												
5	256QAM	25	0	17.83	18.04	17.83												
5	256QAM	25	7	17.78	17.83	17.83												
Channel																		
Frequency (MHz)																		
3	QPSK	1	0	20.96	20.99	20.98	22	0										
3	QPSK	1	12	20.93	20.93	20.93												
3	QPSK	1	14	20.71	20.87	20.79												
3	QPSK	8	0	20.81	21.02	20.91												
3	QPSK	8	7	20.69	20.79	20.79	22	0										
3	QPSK	15	0	20.81	20.94	20.83												
3	QPSK	15	7	20.69	20.89	20.89												
3	16QAM	1	0	20.78	20.94	20.85												
3	16QAM	1	14	20.65	20.79	20.72	22	0										
3	16QAM	1	28	20.65	20.78	20.72												
3	16QAM	8	4	20.67	20.94	20.72												
3	16QAM	8	7	20.60	20.69	20.61												
3	16QAM	8	7	20.60	20.69	20.61	22	0										
3	16QAM	15	0	20.81	20.88	20.81												
3	16QAM	15	14	20.68	20.78	20.78												
3	16QAM	15	14	20.68	20.78	20.78												
3	16QAM	8	0	20.75	20.88	20.79	22	0										
3	16QAM	8	0	20.71	20.78	20.73												
3	16QAM	8	7	20.64	20.83	20.67												
3	16QAM	8	7	20.64	20.83	20.67												
3	16QAM	15	0	20.81	20.88	20.88	22	0										
3	16QAM	15	0	20.77	20.86	20.86												
3	16QAM	15	14	20.68	20.78	20.78												
3	16QAM	15	14	20.68	20.78	20.78												
3	16QAM	8	0	20.75	20.88	20.79	22	0										
3	16QAM	8	0	20.71	20.78	20.73												
3	16QAM	8	7	20.64	20.83	20.67												
3	16QAM	8	7	20.64	20.83	20.67												
3	16QAM	15	0	20.81	20.88	20.88	22	0										
3	16QAM	15	0	20.77	20.86	20.86												
3	16QAM	15	14	20.68	20.78	20.78												
3	16QAM	15	14	20.68	20.78	20.78												
3	16QAM	8	0	20.75	20.88	20.79	22	0										
3	16QAM	8	0	20.71	20.78	20.73												
3	16QAM	8	7	20.64	20.83	20.67												
3	16QAM	8	7	20.64	20.83	20.67												
3	16QAM	15	0	20.81	20.88	20.88	22	0										
3	16QAM	15	0	20.77	20.86	20.86												
3	16QAM	15	14	20.68	20.78	20.78												
3	16QAM	15	14	20.68	20.78	20.78												
3	16QAM	8	0	20.75	20.88	20.79	22	0										
3	16QAM	8	0	20.71	20.78	20.73												
3	16QAM	8	7	20.64	20.83	20.67												
3	16QAM	8	7	20.64	20.83	20.67												
3	16QAM	15	0	20.81	20.88	20.88	22	0										
3	16QAM	15	0	20.77	20.86	20.86												
3	16QAM	15	14	20.68	20.78	20.78												
3	16QAM	15	14	20.68	20.78	20.78												
3	16QAM	8	0	20.75	20.88	20.79	22	0										
3	16QAM	8	0	20.71	20.78	20.73												
3	16QAM	8	7	20.64	20.83	20.67												
3	16QAM	8	7	20.64	20.83	20.67												
3	16QAM	15	0	20.81	20.88	20.88	22	0										



Band 66 Default Ant 1														
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq. 180072	Power Middle Ch./Freq. 180332	Power High Ch./Freq. 180592	Tune-up Int. (mHz)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.03	21.12	20.97	22	0						
20	QPSK	1	49	20.91	21.03	20.96								
20	QPSK	1	99	20.86	20.90	20.79								
20	QPSK	50	0	20.87	21.07	20.96								
20	QPSK	50	24	20.83	20.98	20.84	22	0						
20	QPSK	50	50	20.80	20.87	20.88								
20	QPSK	100	0	20.84	20.95	20.82								
20	16QAM	1	0	20.90	20.92	20.87								
20	16QAM	1	49	20.74	20.80	20.78	22	0						
20	16QAM	1	99	20.78	20.82	20.73								
20	16QAM	50	0	20.71	20.87	20.79								
20	16QAM	50	24	20.64	20.69	20.65								
20	16QAM	50	50	20.63	20.69	20.69	22	0						
20	16QAM	100	0	20.83	20.94	20.82								
20	64QAM	1	0	20.81	20.90	20.74								
20	64QAM	1	49	20.75	20.80	20.77								
20	64QAM	1	99	20.65	20.69	20.68	22	0						
20	64QAM	50	0	20.61	20.70	20.69								
20	64QAM	50	24	20.59	20.70	20.64								
20	64QAM	50	50	20.58	20.60	20.49								
20	256QAM	100	0	20.74	20.83	20.82	19	3						
20	256QAM	1	49	17.69	18.10	18.05								
20	256QAM	1	49	17.93	18.10	17.95								
20	256QAM	1	99	17.79	17.80	17.85								
20	256QAM	50	0	17.65	17.75	17.69								
20	256QAM	50	24	17.60	17.58	17.52								
Channel														
Frequency (MHz)														
15	QPSK	1	0	20.92	21.07	20.92	22	0						
15	QPSK	1	37	20.78	20.90	20.79								
15	QPSK	1	74	20.77	20.76	20.71								
15	QPSK	36	0	20.78	21.01	20.83								
15	QPSK	36	20	20.75	20.79	20.79	22	0						
15	QPSK	36	39	20.67	20.63	20.79								
15	QPSK	75	0	20.74	20.89	20.77								
15	16QAM	1	0	20.81	20.83	20.75								
15	16QAM	1	37	20.63	20.63	20.77	22	0						
15	16QAM	1	74	20.69	20.69	20.68								
15	16QAM	36	0	20.69	20.74	20.64								
15	16QAM	36	20	20.54	20.54	20.51								
15	16QAM	36	20	20.59	20.59	20.59	22	0						
15	16QAM	75	0	20.75	20.88	20.70								
15	64QAM	1	0	20.71	20.80	20.69								
15	64QAM	1	37	20.61	20.69	20.69								
15	64QAM	1	74	20.54	20.55	20.55	22	0						
15	64QAM	36	0	20.56	20.70	20.62								
15	64QAM	36	20	20.53	20.62	20.48								
15	64QAM	36	39	20.48	20.52	20.38								
15	64QAM	75	0	20.67	20.69	20.68	19	3						
15	256QAM	1	0	17.75	17.85	17.81								
15	256QAM	1	37	17.78	18.02	17.83								
15	256QAM	1	74	17.85	17.85	17.81								
15	256QAM	36	0	17.46	17.70	17.62	19	3						
15	256QAM	36	20	17.47	17.53	17.41								
15	256QAM	36	39	17.37	17.50	17.33								
15	256QAM	75	0	17.44	17.81	17.74								
Channel														
Frequency (MHz)														
10	QPSK	1	0	20.54	21.01	20.74	22	0						
10	QPSK	1	25	20.83	20.89	20.71								
10	QPSK	1	49	20.82	20.78	20.72								
10	QPSK	75	0	20.76	20.82	20.68								
10	QPSK	25	12	20.68	20.78	20.79	22	0						
10	QPSK	25	25	20.76	20.81	20.74								
10	QPSK	50	0	20.74	20.81	20.68								
10	16QAM	1	0	20.81	20.83	20.74								
10	16QAM	1	25	20.66	20.75	20.74	22	0						
10	16QAM	1	49	20.51	20.55	20.58								
10	16QAM	25	0	20.47	20.71	20.57								
10	16QAM	25	12	20.48	20.84	20.43								
10	16QAM	25	25	20.47	20.46	20.45	22	0						
10	16QAM	50	0	20.67	20.79	20.75								
10	256QAM	1	0	17.68	17.67	17.62								
10	256QAM	1	25	17.88	17.95	17.87								
10	256QAM	1	49	17.65	17.75	17.79	19	3						
10	256QAM	25	0	17.53	17.63	17.59								
10	256QAM	25	12	17.57	17.52	17.45								
10	256QAM	25	25	17.36	17.46	17.43								
10	256QAM	50	0	17.65	17.65	17.78								
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.51	20.82	20.43	22	0						
5	QPSK	1	12	20.85	20.50	20.79								
5	QPSK	1	24	20.80	20.62	20.68								
5	QPSK	12	0	20.75	20.84	20.80								
5	QPSK	12	7	20.76	20.79	20.71	22	0						
5	QPSK	12	13	20.67	20.60	20.79								
5	QPSK	25	0	20.73	20.81	20.67								
5	16QAM	1	0	20.81	20.80	20.76								
5	16QAM	1	12	20.64	20.73	20.75	22	0						
5	16QAM	1	24	20.75	20.73	20.60								
5	16QAM	12	0	20.67	20.70	20.84								
5	16QAM	12	7	20.58	20.57	20.60								
5	16QAM	12	13	20.50	20.52	20.54	22	0						
5	16QAM	25	0	20.76	20.88	20.69								
5	64QAM	1	0	20.70	20.83	20.66								
5	64QAM	1	12	20.65	20.77	20.64								
5	64QAM	1	24	20.62	20.54	20.61	22	0						
5	64QAM	12	0	20.53	20.67	20.60								
5	64QAM	12	7	20.48	20.54	20.49								
5	64QAM	12	13	20.50	20.53	20.39								
5	64QAM	25	0	20.70	20.77	20.76	22	0						
5	256QAM	1	0	17.82	18.00	17.83								
5	256QAM	1	12	17.80	17.98	17.82								
5	256QAM	1	24	17.70	17.85	17.71								
5	256QAM	12	0	17.65	17.49	17.60	19	3						
5	256QAM	12	7	17.54	17.50	17.47								
5	256QAM	12	13	17.39	17.51	17.44	19	3						
5	256QAM	25	0	17.64	17.78	17.75								
Channel														
Frequency (MHz)														
3	QPSK	1	0	20.91	21.06	20.90	22	0						
3	QPSK	1	12	20.85	20.50	20.79								
3	QPSK	1	24	20.80	20.62	20.68								
3	QPSK	14	0	20.75	20.84	20.80								
3	QPSK	14	7	20.76	20.79	20.71	22	0						
3	QPSK	14	13	20.67	20.60	20.79								
3	QPSK	36	0	20.73	20.81	20.67								
3	16QAM	1	0	20.81	20.80	20.76								
3	16QAM	1	12	20.64	20.73	20.75	22	0						
3	16QAM	1	24	20.75	20.73	20.60								
3	16QAM	14	0	20.67	20.70	20.84								
3	16QAM	14	7	20.58	20.57	20.60								
3	16QAM	14	13	20.50	20.52	20.54	22	0						
3	16QAM	36	0	20.76	20.88	20.69								
3	64QAM	1	0	20.70	20.83	20.66								
3	64QAM	1	12	20.65	20.77	20.64								
3	64QAM	1	24	20.62	20.54	20.61	22	0						
3	64QAM	14	0	20.53	20.67	20.60								
3	64QAM	14	7	20.48	20.54	20.49								
3	64QAM	14	13	20.50	20.53	20.39								
3	64QAM	36	0	20.70	20.77	20.76	22	0						
3	256QAM	1	0	17.82	18.00	17.83								
3	256QAM	1	12	17.80	17.98	17.82								
3	256QAM	1	24	17.70	17.85	17.71								
3	256QAM	14	0	17.65	17.50	17.60	18.5	3.5						
3	256QAM	14	7	17.54	17.50	17.47								
3	256QAM	14	13	17.39	17.51	17.44	18.5	3.5						
3	256QAM	36	0	17.64	17.78	17.75								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	20.93	21.03	20.94	22	0						
1.4	QPSK	1	12	20.87	20.51	20.82								
1.4	QPSK	1	24	20.82	20.67	20.68								
1.4	QPSK	14	0	20.81	20.76	20.67								
1.4	QPSK	14	7	20.75	20.69	20.66	22	0						
1.4	QPSK	14	13	20.66	20.60	20.74								
1.4	QPSK	36	0	20.69	20.62	20.65								
1.4	16QAM	1	0	20.83	20.86	20.74								
1.4	16QAM	1	12	20.63	20.72	20.67	22	0						
1.4	16QAM	1	24	20.63	20.68	20.67								
1.4	16QAM	14	0	20.62	20.72	20.67								
1.4	16QAM	14	7	20.55	20.58	20.62								
1.4	16QAM	14	13	20.55	20.58	20.58	22	0						
1.4	16QAM	36	0	20.71	20.86	20.70								
1.4	64QAM	1	0	20.74	20.77	20.63								
1.4	64QAM	1	12	20.68	20.68	20.63								
1.4	64QAM	1	24	20.61	20.61	20.58	21.6	0.5						
1.4	64QAM	14	0	20.57	20.69	20.60								
1.4	64QAM	14	7	20.57	20.68	20.59								
1.4	64QAM	14	13	20.52	20.62	20.53								
1.4	64QAM	36	0	20.46	20.48	20.37	20.6	1.6						
1.4	64QAM	36	7	20.46	20.46	20.36								
1.4	64QAM	36	13	20.40	20.42	20.31								
1.4	64QAM	36	19	20.32	20.32	20.21								
1.4	256QAM	1	0	17.86	17.75	17.81	18.5	3.5						
1.4	256QAM	1	12	17.85	17.68	17.84								
1.4	256QAM	1	24	17.81	17.48	17.88	18.5	3.5						
1.4	256QAM	1	36	17.78	17.48	17.89								
1.4	256QAM	1	48	17.66	17.83	17.88	18.5	3.5						
1.4	256QAM	1	60	17.66	17.83	17.88								



Band38 DS15_Simultaneous Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPE (dB)				
Channel												
Frequency (MHz)												
37860 38000 38160												
20	QPSK	1	0	20.57	20.73	20.59	21.9	0				
20	QPSK	1	48	20.54	20.54	20.60						
20	QPSK	1	96	20.58	20.65	20.43						
20	QPSK	50	0	20.43	20.68	20.53						
20	QPSK	50	24	20.32	20.61	20.50	21.9	0				
20	QPSK	50	48	20.34	20.47	20.37						
20	QPSK	100	0	20.32	20.59	20.52						
20	16QAM	1	0	20.62	20.66	20.66						
20	16QAM	1	48	20.46	20.39	20.45	21.9	0				
20	16QAM	1	96	20.32	20.38	20.38						
20	16QAM	50	0	20.18	20.27	20.24						
20	16QAM	50	24	20.13	20.19	20.05						
20	16QAM	50	50	20.12	20.00	20.06	21.9	0				
20	16QAM	100	0	20.07	20.52	20.11						
20	64QAM	1	0	20.25	20.71	20.57						
20	64QAM	1	48	20.41	20.39	20.31						
20	64QAM	1	96	20.20	20.20	20.31	21.9	0				
20	64QAM	50	0	20.47	20.64	20.39						
20	64QAM	50	24	20.36	20.59	20.42						
20	64QAM	50	50	20.27	20.54	20.51						
20	64QAM	100	0	20.54	20.55	20.81	20.5	1.4				
20	256QAM	1	0	18.83	19.00	18.86						
20	256QAM	1	48	18.79	19.00	18.78						
20	256QAM	1	96	18.76	18.77	18.78						
20	256QAM	50	0	18.96	19.16	18.97	20.5	1.4				
20	256QAM	50	24	18.97	19.06	18.96						
20	256QAM	50	50	18.89	18.85	18.94						
20	256QAM	100	0	18.93	18.15	18.96						
Channel												
37860 38000 38175												
Frequency (MHz)												
2017.5 2019 2017.5												
15	QPSK	1	0	20.61	20.68	20.52	21.9	0				
15	QPSK	1	37	20.48	20.50	20.85						
15	QPSK	1	74	20.34	20.61	20.34						
15	QPSK	36	0	20.61	20.61	20.47						
15	QPSK	36	20	20.22	20.49	20.47	21.9	0				
15	QPSK	75	0	20.31	20.62	20.59						
15	QPSK	75	0	20.23	20.48	20.46						
15	16QAM	1	0	20.57	20.59	20.59						
15	16QAM	1	37	20.44	20.31	20.37	21.9	0				
15	16QAM	1	74	20.27	20.34	20.36						
15	16QAM	36	0	20.69	20.20	20.21						
15	16QAM	36	20	19.97	20.07	19.96						
15	16QAM	36	36	20.03	19.94	19.97	21.9	0				
15	16QAM	75	0	19.92	20.23	20.03						
15	64QAM	1	0	20.31	20.62	20.59						
15	64QAM	1	37	20.36	20.31	20.21						
15	64QAM	1	74	20.22	20.22	20.26	21.9	0				
15	64QAM	36	0	20.38	20.58	20.31						
15	64QAM	36	20	20.29	20.56	20.26						
15	64QAM	36	36	20.22	20.56	20.22						
15	64QAM	75	0	20.45	20.46	20.54	20.5	1.4				
15	256QAM	1	0	18.77	18.90	18.81						
15	256QAM	1	37	18.70	18.91	18.72						
15	256QAM	1	74	18.87	18.74	18.74						
15	256QAM	36	0	18.86	19.11	18.92						
15	256QAM	36	20	18.93	18.94	18.96	20.5	1.4				
15	256QAM	36	36	18.85	18.88	18.84						
15	256QAM	75	0	18.89	18.10	18.96						
Channel												
37860 38000 38200												
Frequency (MHz)												
2017.5 2019 2017.5												
10	QPSK	1	0	20.46	20.65	20.54	21.9	0				
10	QPSK	1	25	20.50	20.51	20.57						
10	QPSK	1	48	20.34	20.48	20.39						
10	QPSK	20	0	20.34	20.61	20.47						
10	QPSK	25	12	20.30	20.42	20.41	21.9	0				
10	QPSK	25	25	20.27	20.41	20.34						
10	16QAM	1	0	20.63	20.63	20.63						
10	16QAM	1	25	20.43	20.34	20.42						
10	16QAM	1	48	20.30	20.29	20.36	21.9	0				
10	16QAM	25	0	20.32	20.64	20.36						
10	16QAM	25	12	19.91	20.04	19.99						
10	16QAM	25	25	20.04	19.91	20.03						
10	16QAM	50	0	19.95	20.25	20.07	21.9	0				
10	64QAM	1	0	20.30	20.64	20.36						
10	64QAM	1	25	20.32	20.32	20.27						
10	64QAM	1	48	20.30	20.26	20.23						
10	64QAM	25	0	20.30	20.61	20.33	21.9	0				
10	64QAM	25	12	20.30	20.52	20.35						
10	64QAM	25	25	20.21	20.49	20.47						
10	64QAM	50	0	20.48	20.51	20.53						
10	256QAM	1	0	18.78	18.92	18.70	20.5	1.4				
10	256QAM	1	25	18.94	18.91	18.72						
10	256QAM	1	48	18.82	18.73	18.68						
10	256QAM	25	0	18.83	19.11	18.88						
10	256QAM	25	12	18.96	19.03	18.94	20.5	1.4				
10	256QAM	25	25	18.89	18.82	18.96						
10	256QAM	25	25	18.77	18.84	18.87						
10	256QAM	50	0	18.91	18.04	18.88						
Channel												
37765 38000 38225												
Frequency (MHz)												
2017.5 2019 2017.5												
5	QPSK	1	0	20.46	20.65	20.54	21.9	0				
5	QPSK	1	12	20.45	20.45	20.57						
5	QPSK	1	24	20.32	20.49	20.36						
5	QPSK	12	0	20.47	20.61	20.46						
5	QPSK	12	7	20.34	20.46	20.42	21.9	0				
5	QPSK	12	16	20.24	20.43	20.31						
5	QPSK	25	0	20.24	20.46	20.44						
5	16QAM	1	0	20.58	20.59	20.58						
5	16QAM	1	12	20.44	20.37	20.39	21.9	0				
5	16QAM	1	24	20.23	20.32	20.31						
5	16QAM	12	0	20.13	20.21	20.18						
5	16QAM	12	7	19.93	20.05	19.97						
5	16QAM	12	16	20.06	19.93	20.01	21.9	0				
5	16QAM	25	0	19.98	20.27	20.08						
5	64QAM	1	0	20.32	20.68	20.58						
5	64QAM	1	12	20.32	20.31	20.22						
5	64QAM	1	24	20.23	20.19	20.26	21.9	0				
5	64QAM	12	0	20.40	20.55	20.39						
5	64QAM	12	7	20.26	20.40	20.39						
5	64QAM	12	16	20.25	20.48	20.49						
5	64QAM	25	0	20.48	20.40	20.35	20.5	1.4				
5	256QAM	1	0	18.73	18.88	18.71						
5	256QAM	1	12	18.72	18.87	18.69						
5	256QAM	1	24	18.64	18.73	18.70						
5	256QAM	12	0	18.87	19.09	18.90						
5	256QAM	12	7	18.82	19.01	18.94	20.5	1.4				
5	256QAM	12	16	18.85	18.88	18.90						
5	256QAM	25	0	18.95	19.08	18.91						
5	256QAM	25	0	18.95	19.08	18.91						

Band 41 FCC&IC DS1



Band 41 HPUE FCC&IC DSI5_Simultaneous Ant 1												
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dB)	MPR (dB)		
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.63	22.68	22.70	22.85	22.97	23.5	0		
20	QPSK	1	48	22.60	22.63	22.68	22.57	22.45				
20	QPSK	1	96	22.59	22.65	22.58	22.50	22.46				
20	QPSK	50	0	22.53	22.55	22.63	22.52	22.51				
20	QPSK	50	24	22.48	22.48	22.60	22.44	22.37	23.5	0		
20	QPSK	50	48	22.52	22.51	22.48	22.40	22.35				
20	QPSK	100	0	22.49	22.53	22.56	22.54	22.48				
20	16QAM	1	0	22.46	22.41	22.62	22.46	22.31	23.5	0		
20	16QAM	1	48	22.50	22.42	22.54	22.38	22.30				
20	16QAM	1	96	22.52	22.41	22.52	22.38	22.33				
20	16QAM	50	0	22.34	22.48	22.53	22.30	22.40				
20	16QAM	50	24	22.29	22.44	22.44	22.45	22.39	23.5	0		
20	16QAM	50	48	22.36	22.42	22.54	22.41	22.46				
20	16QAM	100	0	22.46	22.44	22.44	22.29	22.34				
20	64QAM	1	0	22.43	22.31	22.42	22.25	22.25	23.5	0		
20	64QAM	1	48	22.28	22.36	22.44	22.23	22.29				
20	64QAM	1	96	22.43	22.36	22.33	22.33	22.33				
20	64QAM	50	0	22.25	22.27	22.44	22.33	22.43				
20	64QAM	50	24	22.17	22.21	22.36	22.14	22.34	23.5	0		
20	64QAM	50	48	22.34	22.14	22.36	22.20	22.36				
20	64QAM	100	0	22.04	22.19	22.37	22.27	22.21				
20	256QAM	1	0	21.81	21.49	21.88	21.44	21.88	23	0.5		
20	256QAM	1	48	21.43	21.41	21.81	21.42	21.82				
20	256QAM	1	96	21.30	21.36	21.65	21.41	21.51				
20	256QAM	50	0	21.27	21.23	21.46	21.24	21.39				
20	256QAM	50	24	21.27	21.23	21.46	21.24	21.39	23	0.5		
20	256QAM	50	48	21.23	21.26	21.41	21.26	21.35				
20	256QAM	100	0	21.10	21.13	21.34	21.10	21.34				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.63	22.63	22.70	22.85	22.97	23.0	0		
15	QPSK	1	37	22.58	22.39	22.85	22.81	22.32				
15	QPSK	1	74	22.48	22.47	22.91	22.41	22.32				
15	QPSK	36	0	22.43	22.43	22.50	22.41	22.47				
15	QPSK	36	20	22.40	22.40	22.51	22.33	22.25	23.5	0		
15	QPSK	36	36	22.42	22.42	22.36	22.29	22.29				
15	QPSK	75	0	22.42	22.48	22.50	22.48	22.36				
15	16QAM	1	0	22.39	22.33	22.57	22.42	22.19	23.5	0		
15	16QAM	1	37	22.42	22.30	22.47	22.33	22.32				
15	16QAM	1	74	22.42	22.37	22.44	22.24	22.30				
15	16QAM	36	0	22.42	22.41	22.29	22.28	22.29				
15	16QAM	36	20	22.30	22.44	22.20	22.25	22.30	23.5	0		
15	16QAM	36	36	22.26	22.25	22.19	22.29	22.22				
15	16QAM	75	0	22.23	22.54	22.80	22.51	22.28				
15	64QAM	1	0	22.18	22.15	22.40	22.35	22.09	23.5	0		
15	64QAM	1	37	22.35	22.21	22.40	22.25	22.21				
15	64QAM	1	74	22.40	22.28	22.36	22.25	22.19				
15	64QAM	36	0	22.12	22.59	22.28	22.20	22.17				
15	64QAM	36	20	22.04	22.28	22.35	22.12	22.16	23.5	0		
15	64QAM	36	36	22.07	22.16	22.22	22.10	22.10				
15	64QAM	75	0	22.02	22.05	22.19	22.07	22.02				
15	256QAM	1	0	21.44	21.44	21.54	21.33	21.45	23	0.5		
15	256QAM	1	37	21.20	21.29	21.51	21.38	21.46				
15	256QAM	1	74	21.25	21.29	21.52	21.31	21.41				
15	256QAM	36	0	21.28	21.27	21.39	21.26	21.30				
15	256QAM	36	20	21.12	21.14	21.34	21.13	21.27	23	0.5		
15	256QAM	36	36	21.14	21.22	21.37	21.12	21.30				
15	256QAM	75	0	21.08	21.16	21.21	21.00	21.10				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.61	22.66	22.69	22.85	22.97	23.0	0		
10	QPSK	1	25	22.63	22.42	22.59	22.51	22.37				
10	QPSK	1	48	22.60	22.47	22.48	22.35	22.35				
10	QPSK	25	0	22.50	22.40	22.57	22.40	22.40				
10	QPSK	25	12	22.52	22.42	22.51	22.41	22.28	23.5	0		
10	QPSK	25	25	22.43	22.38	22.43	22.35	22.35				
10	16QAM	1	0	22.34	22.48	22.52	22.46	22.41				
10	16QAM	1	0	22.34	22.31	22.63	22.32	22.27	23.5	0		
10	16QAM	1	25	22.38	22.38	22.50	22.29	22.25				
10	16QAM	25	0	22.35	22.24	22.38	22.12	22.20				
10	16QAM	25	0	22.20	22.27	22.56	22.43	22.32	23.5	0		
10	16QAM	25	12	22.21	22.46	22.42	22.11	22.27				
10	16QAM	25	25	22.35	22.24	22.38	22.12	22.20				
10	16QAM	50	0	22.28	22.48	22.40	22.40	22.33	23.5	0		
10	16QAM	50	0	22.30	22.21	22.46	22.34	22.20				
10	64QAM	1	0	22.43	22.30	22.50	22.18	22.21	23.5	0		
10	64QAM	1	48	22.34	22.11	22.38	22.25	22.17				
10	64QAM	25	0	22.12	22.23	22.41	22.20	22.28				
10	64QAM	25	12	22.20	22.16	22.36	22.09	22.32				
10	64QAM	25	25	22.18	22.03	22.30	22.17	22.36	23.5	0		
10	64QAM	50	0	22.05	22.09	22.23	22.23	22.23				
10	256QAM	1	0	21.45	21.46	21.56	21.35	21.48				
10	256QAM	1	25	21.29	21.34	21.51	21.37	21.46	23	0.5		
10	256QAM	1	48	21.26	21.25	21.47	21.33	21.42				
10	256QAM	25	0	21.33	21.23	21.44	21.25	21.41				
10	256QAM	25	12	21.29	21.11	21.35	21.16	21.30				
10	256QAM	25	25	21.11	21.14	21.27	21.11	21.25	23	0.5		
10	256QAM	50	0	21.04	21.04	21.24	21.09	21.18				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.66	22.68	22.67	22.83	22.43	23.0	0		
5	QPSK	1	16	22.62	22.44	22.64	22.63	22.36				
5	QPSK	1	24	22.52	22.45	22.48	22.45	22.39				
5	QPSK	12	0	22.47	22.43	22.50	22.44	22.40				
5	QPSK	12	7	22.36	22.37	22.54	22.40	22.37	23.5	0		
5	QPSK	12	16	22.48	22.42	22.38	22.32	22.32				
5	QPSK	25	0	22.41	22.41	22.56	22.44	22.40				
5	16QAM	1	0	22.35	22.27	22.57	22.37	22.25	23.5	0		
5	16QAM	1	12	22.48	22.32	22.43	22.32	22.28				
5	16QAM	1	24	22.44	22.30	22.38	22.23	22.24				
5	16QAM	12	0	22.25	22.26	22.30	22.27	22.37				
5	16QAM	12	7	22.30	22.39	22.30	22.17	22.19	23.5	0		
5	16QAM	12	16	22.33	22.31	22.31	22.36	22.33				
5	16QAM	25	0	22.25	22.45	22.62	22.30	22.27				
5	64QAM	1	0	22.43	22.32	22.68	22.32	22.22	23.5	0		
5	64QAM	1	12	22.20	22.31	22.40	22.24	22.13				
5	64QAM	1	24	22.31	22.20	22.22	22.26	22.29				
5	64QAM	12	0	22.05	22.26	22.37	22.16	22.15				
5	64QAM	12	7	22.10	22.17	22.36	22.15	22.20	23.5	0		
5	64QAM	12	16	22.13	22.05	22.32	22.23	22.38				
5	64QAM	25	0	22.03	22.07	22.30	22.10	22.23				
5	256QAM	1	0	21.38	21.34	21.57	21.39	21.48	23	0.5		
5	256QAM	1	12	21.33	21.36	21.50	21.28	21.40				
5	256QAM	1	24	21.23	21.29	21.49	21.27	21.39				



S/N	CDM1900 Ant2	Default							
		Base-Average Power (dBm)				Lincup			
TX Channel	812	861	810	Limit	812	861	810	Limit	
Frequency (MHz)	189.2	189.3	189.2	(dBm)	189.2	189.3	189.2	(dBm)	
CDM 1 Tx Wd	28.25	28.33	28.19	20.00	19.25	19.33	19.19	20.00	
CDM 1 Tx Wd	28.23	28.26	28.13	20.00	19.23	19.28	19.13	20.00	
CDM 2 Tx Wd	25.46	25.53	25.40	20.00	19.46	19.53	19.40	20.00	
CDM 3 Tx Wd	23.88	24.13	24.00	20.00	19.72	19.87	19.74	20.74	
CDM 4 Tx Wd	21.95	22.00	21.90	20.00	19.95	19.99	19.90	20.00	
EDGE 1 Tx Wd	23.89	23.84	23.81	24.00	18.89	18.84	18.81	19.89	
EDGE 2 Tx Wd	21.86	22.82	21.80	23.00	17.86	18.83	17.80	17.89	
EDGE 3 Tx Wd	20.78	20.85	20.70	21.00	16.52	16.59	16.44	17.24	
EDGE 4 Tx Wd	18.71	18.74	18.68	19.00	15.71	15.74	15.68	18.00	

S/N	CDM1900 Ant2	Default WCDMA Ant1								Default WCDMA Ant2								
		Base-Average Power (dBm)				Lincup				Base-Average Power (dBm)				Lincup				
TX Channel	862	940	960	958	Limit	1912	1413	1515	Limit	862	940	960	958	Limit	1912	1413	1515	Limit
Frequency (MHz)	189.2	189.3	189.2	189.2	(dBm)	1912.4	1725.6	1728	(dBm)	189.2	189.3	189.2	189.2	(dBm)	1912.4	1725.6	1728	(dBm)
HSPA Rel1 Ant1 AMP 12.25uW	21.55	21.55	21.46	22.00	21.42	21.44	21.37	23.00		21.55	21.55	21.46	22.00	21.42	21.44	21.37	23.00	
HSPA Rel1 Ant1 AMP 12.25uW	21.54	21.52	21.49	22.00	21.47	21.53	21.44	23.00		21.54	21.52	21.49	22.00	21.47	21.53	21.44	23.00	
HSPA Rel1 HSDPA Rel1-ant2	20.83	20.74	20.40	21.00	20.82	20.87	20.88	20.52	22.00	20.83	20.74	20.40	21.00	20.82	20.87	20.88	20.52	22.00
HSPA Rel1 HSDPA Rel1-ant2	20.56	20.69	20.53	21.00	20.47	20.61	20.61	20.43	22.00	20.56	20.69	20.53	21.00	20.47	20.61	20.61	20.43	22.00
HSPA Rel1 HSDPA Rel1-ant2	20.21	20.77	20.54	21.00	19.87	20.04	20.04	19.69	21.54	20.21	20.77	20.54	21.00	19.87	20.04	20.04	19.69	21.54
HSPA Rel1 HSDPA Rel1-ant2	20.02	20.50	20.09	21.10	19.88	20.06	20.06	20.05	21.59	20.02	20.50	20.09	21.10	19.88	20.06	20.06	20.05	21.59
HSPA Rel1 HSDPA Rel1-ant2	20.55	20.73	20.51	21.00	20.46	20.58	20.58	20.39	22.00	20.55	20.73	20.51	21.00	20.46	20.58	20.58	20.39	22.00
HSPA Rel1 HSDPA Rel1-ant2	20.34	20.41	20.40	21.00	20.29	20.37	20.37	20.31	22.00	20.34	20.41	20.40	21.00	20.29	20.37	20.37	20.31	22.00
HSPA Rel1 HSDPA Rel1-ant2	19.86	19.98	19.84	21.10	19.80	19.87	19.87	19.83	21.59	19.86	19.98	19.84	21.10	19.80	19.87	19.87	19.83	21.59
HSPA Rel1 HSDPA Rel1-ant2	19.63	19.86	19.60	21.10	19.76	19.86	19.86	19.64	21.56	19.63	19.86	19.60	21.10	19.76	19.86	19.86	19.64	21.56
HSPA Rel1 HSPA Rel1-ant1	20.59	20.72	20.71	21.00	20.49	20.65	20.65	20.60	22.00	20.59	20.72	20.71	21.00	20.49	20.65	20.65	20.60	22.00
HSPA Rel1 HSPA Rel1-ant1	19.59	19.62	19.45	19.00	19.46	19.49	19.49	19.39	20.00	19.59	19.62	19.45	19.00	19.46	19.49	19.49	19.39	20.00
HSPA Rel1 HSPA Rel1-ant1	18.43	18.57	18.41	19.00	18.38	18.44	18.44	18.33	20.00	18.43	18.57	18.41	19.00	18.38	18.44	18.44	18.33	20.00
HSPA Rel1 HSPA Rel1-ant1	20.80	20.82	20.58	21.00	20.46	20.53	20.53	20.40	22.00	20.80	20.82	20.58	21.00	20.46	20.53	20.53	20.40	22.00



Band 2 DS15_Simultaneous Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Mod Ch / Freq	Power Hsp Ch / Freq	Power Hsp Ch / Freq	Turn-up Time (sec)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.12	21.24	21.07	22	0		
20	QPSK	1	49	21.00	21.06	20.93				
20	QPSK	1	99	20.92	21.04	20.92	22	0		
20	QPSK	50	0	21.06	21.20	21.10				
20	QPSK	50	24	20.94	21.02	20.99	22	0		
20	QPSK	50	50	20.88	21.01	20.96				
20	QPSK	100	0	21.01	21.12	21.03	22	0		
20	QPSK	100	24	21.06	21.18	21.08				
20	16QAM	1	49	20.94	21.03	20.99	22	0		
20	16QAM	50	50	20.90	20.99	20.93				
20	16QAM	50	50	20.92	21.07	20.97	22	0		
20	16QAM	50	24	20.92	20.99	20.94				
20	16QAM	50	50	20.76	20.86	20.81	22	0		
20	16QAM	50	50	20.90	21.00	20.90				
20	64QAM	1	0	20.97	21.10	21.10	22	0		
20	64QAM	1	49	21.01	21.05	21.02				
20	64QAM	1	99	20.93	21.06	20.92	21	1		
20	64QAM	50	24	19.79	19.92	19.73				
20	64QAM	50	50	19.87	19.97	19.84	19	3		
20	64QAM	100	0	19.90	19.94	19.88				
20	256QAM	1	0	19.80	19.94	19.90	19	3		
20	256QAM	1	49	19.85	19.92	19.79				
20	256QAM	1	99	19.82	19.88	19.82	19	3		
20	256QAM	50	50	19.71	19.75	19.75				
20	256QAM	50	24	17.86	17.96	17.86	19	3		
20	256QAM	50	50	17.87	17.96	17.88				
20	256QAM	100	0	17.82	17.99	17.82	19	3		
20	256QAM	100	0	17.82	17.99	17.82				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.01	21.20	20.92	22	0		
15	QPSK	1	49	20.92	20.98	20.94				
15	QPSK	1	99	20.94	20.98	20.92	22	0		
15	QPSK	50	0	20.97	21.06	21.06				
15	QPSK	50	24	20.79	20.89	20.84	22	0		
15	QPSK	36	39	20.81	20.92	20.85				
15	QPSK	75	0	20.96	21.07	20.97	22	0		
15	QPSK	75	0	21.01	21.04	20.92				
15	16QAM	1	37	20.90	20.93	20.86	22	0		
15	16QAM	1	74	20.87	20.94	20.87				
15	16QAM	36	39	20.80	20.98	20.92	22	0		
15	16QAM	36	39	20.77	20.87	20.88				
15	16QAM	75	0	20.76	20.99	20.92	22	0		
15	16QAM	75	0	20.76	20.99	20.92				
15	64QAM	1	0	20.85	21.07	21.04	22	0		
15	64QAM	1	99	20.88	21.00	20.96				
15	64QAM	1	99	20.88	21.00	20.96	21	1		
15	64QAM	1	74	20.85	20.99	20.96				
15	64QAM	36	0	19.82	19.89	19.78	21	1		
15	64QAM	36	39	19.84	19.92	19.84				
15	64QAM	36	39	19.93	19.92	19.94	19	3		
15	64QAM	75	0	19.77	19.86	19.86				
15	256QAM	1	37	19.80	19.19	17.88	19	3		
15	256QAM	1	74	17.86	17.99	17.92				
15	256QAM	36	39	17.71	17.91	17.82	19	3		
15	256QAM	36	39	17.83	17.82	17.82				
15	256QAM	75	0	17.77	17.82	17.82	19	3		
15	256QAM	75	0	17.77	17.82	17.82				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.97	21.02	20.95	22	0		
10	QPSK	1	25	20.97	21.02	20.95				
10	QPSK	1	49	20.79	20.99	20.86	22	0		
10	QPSK	25	12	20.86	20.92	20.85				
10	QPSK	25	12	20.86	20.92	20.85	22	0		
10	QPSK	25	25	20.82	20.96	20.91				
10	QPSK	25	25	20.86	20.96	20.96	22	0		
10	QPSK	25	25	21.03	21.09	20.97				
10	16QAM	1	25	20.88	20.90	20.91	22	0		
10	16QAM	1	25	20.88	20.90	20.91				
10	16QAM	25	12	20.77	20.86	20.86	22	0		
10	16QAM	25	12	20.77	20.86	20.86				
10	16QAM	25	12	20.82	20.75	20.78	22	0		
10	16QAM	50	0	20.81	20.90	20.77				
10	64QAM	1	0	20.90	21.14	21.08	22	0		
10	64QAM	1	0	20.78	20.96	20.78				
10	64QAM	1	49	20.88	20.94	20.83	21	1		
10	64QAM	25	0	19.89	19.89	19.73				
10	64QAM	25	12	19.87	19.96	19.88	21	1		
10	64QAM	25	25	19.82	19.71	19.82				
10	64QAM	50	0	19.85	19.89	19.85	19	3		
10	64QAM	50	0	19.82	19.71	19.82				
10	256QAM	1	25	17.99	18.11	17.87	19	3		
10	256QAM	1	49	17.94	18.01	17.97				
10	256QAM	25	12	17.86	17.86	17.83	19	3		
10	256QAM	25	25	17.81	17.82	17.81				
10	256QAM	50	0	17.72	17.82	17.76	19	3		
10	256QAM	50	0	17.72	17.82	17.76				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.08	21.11	20.97	22	0		
5	QPSK	1	12	20.93	20.94	20.95				
5	QPSK	1	24	20.77	20.89	20.85	22	0		
5	QPSK	12	6	20.82	20.92	20.84				
5	QPSK	12	7	20.84	20.94	20.86	22	0		
5	QPSK	12	13	20.79	20.93	20.83				
5	QPSK	12	13	20.85	21.01	20.94	22	0		
5	QPSK	12	13	20.93	21.12	21.03				
5	16QAM	1	12	20.86	20.93	20.92	22	0		
5	16QAM	1	24	20.76	20.95	20.85				
5	16QAM	12	0	20.81	20.98	20.85	22	0		
5	16QAM	12	7	20.72	20.87	20.80				
5	16QAM	12	14	20.69	20.81	20.74	22	0		
5	16QAM	25	0	20.82	20.99	20.79				
5	16QAM	25	0	20.88	21.09	21.02	22	0		
5	64QAM	1	0	20.88	20.96	20.94				
5	64QAM	1	24	20.82	20.90	20.91	22	0		
5	64QAM	12	0	19.74	19.83	19.75				
5	64QAM	12	7	19.68	19.78	19.69	21	1		
5	64QAM	12	13	19.63	19.63	19.68				
5	64QAM	25	0	19.82	19.82	19.81	19	3		
5	64QAM	25	0	19.80	18.16	17.94				
5	256QAM	1	12	18.01	18.16	18.04	19	3		
5	256QAM	1	24	17.95	17.95	17.96				
5	256QAM	12	13	17.87	17.88	17.89	19	3		
5	256QAM	12	7	17.92	18.00	17.86				
5	256QAM	12	13	17.80	17.80	17.77	19	3		
5	256QAM	12	13	17.83	17.79	17.81				
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.98	21.14	20.96	22	0		
3	QPSK	1	8	20.95	20.91	20.86				
3	QPSK	1	14	20.85	20.99	20.84	22	0		
3	QPSK	8	8	20.84	21.16	20.86				
3	QPSK	8	4	20.83	20.89	20.85	22	0		
3	QPSK	8	7	20.78	20.96	20.87				
3	QPSK	8	7	20.88	21.09	20.90	22	0		
3	16QAM	1	0	20.99	21.06	20.99				
3	16QAM	1	8	20.83	20.93	20.92	22	0		
3	16QAM	1	8	20.86	20.96	20.89				
3	16QAM	8	0	20.91	21.02	20.94	22	0		
3	16QAM	8	4	20.76	20.75	20.84				
3	16QAM	15	0	20.93	20.91	20.83	22	0		
3	16QAM	15	0	20.79	20.95	20.83				
3	64QAM	1	0	20.93	21.06	21.06	22	0		
3	64QAM	1	8	20.86	20.92	20.90				
3	64QAM	1	14	20.89	20.93	20.91	21	1		
3	64QAM	8	0	19.81	19.81	19.74				
3	64QAM	8	4	19.74	19.71	19.62	21	1		
3	64QAM	8	7	19.69	19.67	19.69				
3	64QAM	15	0	19.78	19.85	19.84	19	3		
3	256QAM	1	0	18.00	18.12	17.96				
3	256QAM	1	8	18.00	18.12	17.96	19	3		
3	256QAM	8	0	17.95	17.95	17.94				
3	256QAM	14	7	17.93	17.95	17.95	19	3		
3	256QAM	8	0	17.92	18.07	17.94				
3	256QAM	8	4	17.89	17.82	17.82	19	3		
3	256QAM	8	7	17.82	17.90	17.80				
3	256QAM	15	0	17.76	17.91	17.82	19	3		
3	256QAM	15	0	17.76	17.91	17.82				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.03	21.16	20.96	22	0		
1.4	QPSK	1	20	20.92	20.92	20.92				
1.4	QPSK	1	40	20.81	20.95	20.86	22	0		
1.4	QPSK	3	0	20.88	21.00	21.07				
1.4	QPSK	3	20	20.81	20.96	20.96	22	0		
1.4	QPSK	3	40	20.74	20.87	20.81				
1.4	QPSK	6	0	20.97	20.97	20.91	22	0		
1.4	QPSK	6	20	20.82	20.92	20.85				
1.4	16QAM	1	0	20.81	20.88	20.82	22	0		
1.4	16QAM	1	20	20.83	20.89	20.87				
1.4	16QAM	1	40	20.82	20.92	20.87	22	0		
1.4	16QAM	3	0	20.79	20.92	20.75				
1.4	16QAM	3	20	20.70	20.82	20.75	22	0		
1.4	16QAM	3	40	20.69	20.87	20.86				
1.4	16QAM	6	0	20.85	21.05	20.96	22	0		
1.4	16QAM	6	20	20.84	20.93	20.93				
1.4	16QAM	6	40	20.89	21.01	20.92	22	0		
1.4	16QAM	6	60	20.83	20.98	21.01				
1.4	64QAM	1	0	17.85	17.87	17.87	21	1		
1.4	64QAM	1	20	17.83	17.73	17.83				
1.4	64QAM	3	0	17.82	17.92	17.89	19	3		
1.4	64QAM	3	20	17.87	17.87	17.87				
1.4	256QAM	1	0	17.81	17.88	17.77	19	3		
1.4	256QAM	1	20	17.83	17.73	17.83				



Band 12 Default Ant 2														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Tune-up Int. (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.51	22.59	22.50	24	0						
10	QPSK	1	25	22.40	22.42	22.31								
10	QPSK	1	49	22.26	22.48	22.18								
10	QPSK	25	0	22.40	22.62	22.40								
10	QPSK	25	12	22.30	22.45	22.27								
10	QPSK	25	25	22.29	22.52	22.24	24	0						
10	QPSK	50	0	22.34	22.41	22.37								
10	16QAM	1	0	22.41	22.51	22.53								
10	16QAM	1	25	22.39	22.52	22.38								
10	16QAM	1	49	22.18	22.40	22.39								
10	16QAM	25	0	22.51	22.52	22.54	24	0						
10	16QAM	25	12	22.29	22.41	22.35								
10	16QAM	25	25	22.27	22.36	22.30								
10	16QAM	50	0	22.40	22.51	22.38								
10	64QAM	1	0	22.40	22.44	22.32								
10	64QAM	1	25	22.39	22.41	22.32	24	0						
10	64QAM	1	49	22.14	22.41	22.29								
10	64QAM	25	0	21.24	21.36	21.17								
10	64QAM	25	12	21.13	21.21	21.08								
10	64QAM	25	25	21.03	21.16	21.04								
10	64QAM	50	0	21.25	21.30	21.19	22.5	1.5						
10	256QAM	1	25	19.35	19.59	19.51								
10	256QAM	1	49	19.34	19.38	19.43								
10	256QAM	25	0	19.34	19.44	19.44								
10	256QAM	25	12	19.34	19.29	19.32								
10	256QAM	25	25	19.12	19.28	19.19	21	3						
10	256QAM	50	0	19.22	19.40	19.46								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.43	22.48	22.39	24	0						
5	QPSK	1	12	22.31	22.36	22.30								
5	QPSK	1	24	22.14	22.40	22.04								
5	QPSK	12	0	22.29	22.50	22.37								
5	QPSK	12	7	22.25	22.31	22.15								
5	QPSK	12	13	22.24	22.28	22.17	24	0						
5	QPSK	25	0	22.22	22.27	22.12								
5	16QAM	1	0	22.35	22.46	22.38								
5	16QAM	1	12	22.25	22.45	22.27								
5	16QAM	1	24	22.08	22.39	22.19								
5	16QAM	12	0	22.47	22.43	22.51	24	0						
5	16QAM	12	7	22.18	22.28	22.25								
5	16QAM	25	0	22.37	22.43	22.23								
5	64QAM	1	0	22.25	22.30	22.28								
5	64QAM	1	12	22.05	22.32	22.21								
5	64QAM	12	0	21.17	21.31	21.05	22.5	1.5						
5	64QAM	12	7	21.02	21.02	20.89								
5	64QAM	25	0	21.13	21.16	21.16								
5	256QAM	1	12	19.20	19.46	19.48								
5	256QAM	1	24	19.25	19.28	19.33								
5	256QAM	12	0	19.25	19.35	19.36	21	3						
5	256QAM	12	7	19.20	19.15	19.26								
5	256QAM	12	13	19.02	19.20	19.12								
5	256QAM	25	0	19.22	19.22	19.08								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.40	22.52	22.46	24	0						
3	QPSK	1	8	22.31	22.37	22.28								
3	QPSK	1	16	22.11	22.43	22.06								
3	QPSK	8	0	22.32	22.48	22.38								
3	QPSK	8	4	22.19	22.34	22.21								
3	QPSK	8	12	22.21	22.18	22.11	24	0						
3	16QAM	1	0	22.21	22.27	22.17								
3	16QAM	1	0	22.26	22.39	22.48								
3	16QAM	1	8	22.31	22.38	22.32								
3	16QAM	1	16	22.05	22.28	22.32								
3	16QAM	8	0	22.37	22.41	22.40	24	0						
3	16QAM	8	4	22.18	22.33	22.29								
3	16QAM	8	7	22.13	22.29	22.18								
3	16QAM	16	0	22.36	22.39	22.25								
3	64QAM	1	0	22.27	22.31	22.21								
3	64QAM	1	8	22.34	22.38	22.28	24	0						
3	64QAM	1	14	22.06	22.38	22.20								
3	64QAM	8	0	21.12	21.27	21.02								
3	64QAM	8	4	21.04	21.12	20.95								
3	64QAM	8	7	20.98	21.00	20.90								
3	64QAM	15	0	21.19	21.24	21.15	22.5	1.5						
3	256QAM	1	0	19.23	19.45	19.41								
3	256QAM	1	8	19.27	19.51	19.37								
3	256QAM	1	14	19.24	19.31	19.35								
3	256QAM	8	0	19.10	19.31	19.36								
3	256QAM	8	4	19.24	19.15	19.17	21	3						
3	256QAM	8	7	19.09	19.23	19.09								
3	256QAM	15	0	19.20	19.35	19.12								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.41	22.54	22.18	24	0						
1.4	QPSK	1	3	22.35	22.39	22.27								
1.4	QPSK	1	5	22.20	22.42	22.04								
1.4	QPSK	3	0	22.34	22.50	22.38								
1.4	QPSK	3	1	22.20	22.59	22.23								
1.4	QPSK	3	3	22.17	22.20	22.20	24	0						
1.4	QPSK	6	0	22.23	22.34	22.32								
1.4	16QAM	1	0	22.32	22.40	22.40								
1.4	16QAM	1	3	22.28	22.47	22.25								
1.4	16QAM	1	6	22.04	22.37	22.33								
1.4	16QAM	3	0	22.47	22.47	22.46	24	0						
1.4	16QAM	3	1	22.25	22.31	22.25								
1.4	16QAM	3	3	22.17	22.32	22.25								
1.4	16QAM	6	0	22.26	22.43	22.35								
1.4	64QAM	1	0	22.35	22.37	22.29								
1.4	64QAM	1	3	22.25	22.29	22.26	24	0						
1.4	64QAM	1	5	22.01	22.33	22.19								
1.4	64QAM	3	0	22.38	22.36	22.40								
1.4	64QAM	3	2	22.16	22.32	22.22								
1.4	64QAM	3	3	22.15	22.29	22.21								
1.4	64QAM	6	0	21.19	21.29	21.11	22.5	1.5						
1.4	256QAM	1	0	19.26	19.57	19.36								
1.4	256QAM	1	3	19.22	19.50	19.47								
1.4	256QAM	3	0	19.26	19.22	19.30								
1.4	256QAM	3	1	19.10	19.34	19.30								
1.4	256QAM	3	1	19.21	19.18	19.19	21	3						
1.4	256QAM	6	0	19.08	19.20	19.14								
1.4	256QAM	6	0	19.17	19.25	19.09								

Band 13 Default Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Tune-up Int. (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.53	22.53	22.53	24	0		
10	QPSK	1	20	22.40	22.40	22.40				
10	QPSK	25	0	22.45	22.45	22.45				
10	QPSK	25	12	22.38	22.38	22.38	24	0		
10	16QAM	1	0	22.48	22.48	22.48				
10	16QAM	1	20	22.47	22.47	22.47	24	0		
10	16QAM	1	40	22.45	22.45	22.45				
10	16QAM	25	0	22.44	22.44	22.44				
10	16QAM	25	12	22.38	22.38	22.38	24	0		
10	16QAM	25	25	22.28	22.28	22.28				
10	16QAM	50	0	22.48	22.48	22.48				
10	16QAM	50	25	22.38	22.38	22.38	24	0		
10	16QAM	1	20	22.42	22.42	22.42				
10	16QAM	1	40	22.41	22.41	22.41				
10	16QAM	25	12	21.20	21.20	21.20	22.5	1.5		
10	16QAM	25	25	21.04	21.04	21.04				
10	25QAM	1	0	19.80	19.80	19.80				
10	25QAM	1	20	19.59	19.59	19.59	21	3		
10	25QAM	1	40	19.30	19.30	19.30				
10	25QAM	25	0	19.42	19.42	19.42				
10	25QAM	25	12	19.28	19.28	19.28	21	3		
10	25QAM	50	0	19.28	19.28	19.28				
10	25QAM	50	25	19.28	19.28	19.28				
Channel				22.05	22.05	22.05	Unk-	MPR (dB)		
Frequency (MHz)				77.65	77.65	77.65				
5	QPSK	1	0	22.47	22.50	22.48	24	0		
5	QPSK	1	12	22.33	22.35	22.39				
5	QPSK	1	24	22.34	22.44	22.44				
5	QPSK	12	0	22.41	22.37	22.40				
5	QPSK	12	7	22.26	22.26	22.28	24	0		
5	QPSK	12	14	22.31	22.31	22.31				
5	QPSK	25	0	22.22	22.30	22.30				
5	16QAM	1	0	22.42	22.46	22.43				
5	16QAM	1	12	22.36	22.44	22.46				
5	16QAM	1	24	22.34	22.33	22.41				
5	16QAM	12	0	22.41	22.41	22.40				
5	16QAM	12	7	22.31	22.33	22.31	24	0		
5	16QAM	12	14	22.17	22.25	22.19				
5	16QAM	25	0	22.41	22.47	22.46				
5	16QAM	25	12	22.31	22.30	22.29				
5	16QAM	1	12	22.37	22.42	22.35				
5	16QAM	1	24	22.33	22.32	22.35				
5	16QAM	12	7	21.21	21.20	21.17	22.5	1.5		
5	16QAM	12	14	20.96	20.97	20.91				
5	16QAM	1	0	19.25	19.25	19.28				
5	25QAM	1	0	19.52	19.51	19.53				
5	25QAM	1	12	19.46	19.53	19.50	21	3		
5	25QAM	1	24	19.35	19.35	19.24				
5	25QAM	12	7	19.36	19.43	19.35				
5	25QAM	12	14	19.22	19.24	19.26				
5	25QAM	1	0	19.30	19.30	19.30	21	3		
5	25QAM	25	0	19.27	19.18	19.20				



Band 25 DSIS_SimultaneousAnt 2

BW [MHz]	Modulation	RB Size	RIS Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.26	21.27	21.29	22.7	0		
20	QPSK	1	49	21.22	21.25	21.28				
20	QPSK	1	99	21.12	21.28	21.29				
20	QPSK	50	0	21.13	21.19	21.14				
20	QPSK	50	24	21.18	21.19	21.11				
20	QPSK	50	50	21.12	21.22	21.17				
20	QPSK	100	0	21.14	21.21	21.18				
20	16QAM	1	0	21.05	21.18	21.05				
20	16QAM	1	49	21.07	21.15	21.08	22.7	0		
20	16QAM	50	99	21.11	21.15	21.14				
20	16QAM	50	24	21.13	21.19	21.07				
20	16QAM	50	24	21.12	21.19	21.10				
20	16QAM	50	50	21.08	21.20	21.11				
20	16QAM	100	0	21.13	21.20	21.23				
20	64QAM	1	0	21.05	21.09	20.93				
20	64QAM	1	49	21.07	21.12	21.06	22.7	0		
20	64QAM	50	99	21.11	21.15	21.14				
20	64QAM	50	24	21.16	21.12	21.06				
20	64QAM	50	24	21.18	21.12	21.06				
20	64QAM	50	50	21.10	21.16	21.15				
20	64QAM	100	0	21.07	21.15	21.01				
20	256QAM	1	49	19.94	20.16	19.90	21	1.7		
20	256QAM	1	99	19.97	20.12	19.92				
20	256QAM	1	99	19.97	20.12	19.92				
20	256QAM	50	24	19.95	19.98	19.87				
20	256QAM	50	50	19.92	19.94	19.87				
20	256QAM	100	0	19.98	20.09	19.92				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.18	21.25	21.21	22.7	0		
15	QPSK	1	27	21.10	21.18	21.11				
15	QPSK	1	74	21.05	21.19	21.07				
15	QPSK	36	0	21.08	21.12	21.11				
15	QPSK	36	24	21.13	21.19	21.01				
15	QPSK	36	39	21.07	21.15	21.09				
15	QPSK	75	0	21.01	21.08	21.09				
15	16QAM	1	24	20.97	21.03	20.98	22.7	0		
15	16QAM	1	37	21.01	21.08	21.06				
15	16QAM	1	74	21.04	21.09	21.06				
15	16QAM	36	24	21.08	21.13	21.04				
15	16QAM	36	20	20.98	21.03	21.03				
15	16QAM	50	24	21.01	21.05	21.10				
15	64QAM	1	0	20.90	21.04	20.94	22.7	0		
15	64QAM	1	99	20.99	21.03	20.98				
15	64QAM	1	74	20.98	21.02	21.01				
15	64QAM	36	0	20.93	21.02	21.01				
15	64QAM	36	24	20.93	21.05	21.04				
15	64QAM	36	39	20.93	21.05	21.04				
15	64QAM	75	0	21.01	21.08	20.97				
15	256QAM	1	37	19.90	20.00	19.91	21	1.7		
15	256QAM	1	74	19.77	19.78	19.91				
15	256QAM	50	24	19.79	19.79	19.79				
15	256QAM	36	20	19.79	19.92	19.92				
15	256QAM	36	39	19.72	19.90	19.75				
15	256QAM	75	0	19.83	19.87	19.78				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.05	21.18	21.10	22.7	0		
10	QPSK	1	25	21.16	21.18	21.11				
10	QPSK	1	49	20.99	21.20	21.16				
10	QPSK	25	0	21.06	21.14	21.04				
10	QPSK	25	25	21.02	21.13	21.06				
10	QPSK	25	49	21.08	21.14	21.04				
10	16QAM	1	0	20.98	21.05	20.91	22.7	0		
10	16QAM	1	25	21.07	21.07	21.08				
10	16QAM	25	0	21.07	21.09	21.02				
10	16QAM	25	12	21.05	21.04	21.04				
10	16QAM	25	12	21.05	21.10	21.08				
10	16QAM	50	0	21.02	21.09	21.11				
10	64QAM	1	0	20.99	21.03	20.99	22.7	0		
10	64QAM	1	49	20.98	21.02	20.98				
10	64QAM	25	0	20.98	21.10	20.97				
10	64QAM	25	12	20.98	21.10	21.05				
10	64QAM	25	25	21.03	21.10	21.10				
10	256QAM	1	0	21.01	21.05	20.91	21	1.7		
10	256QAM	1	25	19.91	20.05	19.95				
10	256QAM	1	49	19.82	19.82	19.86				
10	256QAM	1	49	19.88	19.88	19.86				
10	256QAM	1	49	19.88	19.88	19.86				
10	256QAM	25	25	19.77	19.83	19.76				
10	256QAM	25	25	19.83	19.87	19.87				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.12	21.22	21.13	22.7	0		
5	QPSK	1	12	21.15	21.20	21.16				
5	QPSK	1	24	21.05	21.25	21.11				
5	QPSK	12	0	21.13	21.11	21.01				
5	QPSK	12	13	21.07	21.10	21.08				
5	16QAM	1	0	20.98	21.04	20.93	22.7	0		
5	16QAM	1	12	21.01	21.12	21.15				
5	16QAM	12	0	21.03	21.12	21.07				
5	16QAM	12	7	21.06	21.12	21.03				
5	16QAM	12	7	21.06	21.12	21.03				
5	16QAM	25	0	21.00	21.07	21.09				
5	64QAM	1	0	20.92	21.02	20.95	22.7	0		
5	64QAM	1	24	20.99	21.05	20.99				
5	64QAM	12	0	20.98	21.03	20.99				
5	64QAM	12	7	20.98	21.03	20.99				
5	64QAM	12	13	20.96	21.11	21.11				
5	64QAM	25	0	20.97	21.06	20.98				
5	256QAM	1	0	19.81	20.96	19.86	21	1.7		
5	256QAM	1	24	19.82	20.97	19.91				
5	256QAM	12	0	19.88	20.92	19.86				
5	256QAM	12	7	19.88	20.96	19.86				
5	256QAM	12	13	19.86	20.98	19.86				
5	256QAM	25	25	19.77	19.83	19.76				
5	256QAM	25	25	19.83	19.87	19.87				
Channel										
Frequency (MHz)										
3	QPSK	1	0	21.11	21.20	21.06	22.7	0		
3	QPSK	1	8	21.13	21.21	21.06				
3	QPSK	1	14	21.07	21.14	21.17				
3	QPSK	3	0	21.09	21.22	21.10				
3	QPSK	3	4	21.09	21.10	20.96				
3	QPSK	8	7	21.03	21.07	21.14				
3	16QAM	1	0	20.96	21.10	20.94	22.7	0		
3	16QAM	1	8	20.99	21.15	21.09				
3	16QAM	3	0	21.04	21.12	21.07				
3	16QAM	3	4	21.08	21.16	21.03				
3	16QAM	15	0	21.05	21.10	21.20				
3	16QAM	1	0	20.97	21.09	20.92	22.7	0		
3	16QAM	1	20	20.98	21.15	21.07				
3	64QAM	1	14	21.01	21.07	21.03				
3	64QAM	1	14	21.01	21.07	21.03				
3	64QAM	3	0	21.09	21.04	21.02				
3	64QAM	3	7	20.99	21.10	21.03				
3	64QAM	15	0	20.94	20.99	20.99				
3	256QAM	1	0	19.84	20.09	19.89	21	1.7		
3	256QAM	1	8	19.91	20.11	19.98				
3	256QAM	3	0	19.91	20.02	19.99				
3	256QAM	3	4	19.90	19.98	19.95				
3	256QAM	3	4	19.79	19.88	19.79				
3	256QAM	15	0	19.89	20.02	19.77				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.17	21.21	21.07	22.7	0		
1.4	QPSK	1	3	21.11	21.19	21.06				
1.4	QPSK	1	5	21.07	21.12	21.04				
1.4	QPSK	3	0	21.09	21.16	20.99				
1.4	QPSK	3	1	21.05	21.10	21.09				
1.4	16QAM	1	0	20.96	21.10	20.96	22.7	0		
1.4	16QAM	1	3	20.97	21.15	21.09				
1.4	16QAM	3	0	21.04	21.12	21.07				
1.4	16QAM	1	0	20.96	21.10	20.96				
1.4	16QAM	3	0	21.05	21.03	21.02				
1.4	16QAM	3	0	21.07	21.11	20.97	22.7	0		
1.4	16QAM	3	1	21.01	21.08	21.04	22.7	0		
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04	22.7	0		
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04	22.7	0		
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04	22.7	0		
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04	22.7	0		
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04	22.7	0		
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04	22.7	0		
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3	1	21.01	21.08	21.04				
1.4	16QAM	3								

Band 38 DS15_Simultaneous Ant 2													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)				37860	38000	38160							
20	QPSK	1	0	18.50	18.50	18.44	19.9	0					
20	QPSK	1	49	18.51	18.55	18.51							
20	QPSK	1	99	18.48	18.50	18.40							
20	QPSK	50	0	18.40	18.40	18.52							
20	QPSK	50	24	18.24	18.41	18.33	19.9	0					
20	QPSK	50	50	18.44	18.37	18.38							
20	QPSK	100	0	18.29	18.39	18.33							
20	16QAM	1	0	18.36	18.47	18.32							
20	16QAM	1	49	18.43	18.35	18.24	19.9	0					
20	16QAM	1	99	18.36	18.47	18.23							
20	16QAM	50	0	18.28	18.48	18.45							
20	16QAM	50	24	18.26	18.38	18.20							
20	16QAM	50	50	18.25	18.38	18.20	19.9	0					
20	16QAM	100	0	18.40	18.23	18.20							
20	64QAM	1	0	18.25	18.35	18.35							
20	64QAM	1	49	18.36	18.41	18.48							
20	64QAM	1	99	18.33	18.39	18.37	19.9	0					
20	64QAM	50	0	18.44	18.47	18.35							
20	64QAM	50	24	18.34	18.49	18.20							
20	64QAM	50	50	18.42	18.39	18.23							
20	256QAM	1	0	18.39	18.37	18.51	19.5	0.4					
20	256QAM	1	49	18.32	18.49	18.45							
20	256QAM	1	99	18.32	18.55	18.29							
20	256QAM	50	0	18.32	18.40	18.34							
20	256QAM	50	24	18.49	18.46	18.37	19.5	0.4					
20	256QAM	50	50	18.29	18.36	18.27							
20	256QAM	100	0	18.42	18.38	18.20							
Channel													
Frequency (MHz)				37860	38000	38175							
16	QPSK	1	0	18.43	18.50	18.34	19.9	0					
16	QPSK	1	37	18.46	18.51	18.25							
16	QPSK	1	74	18.41	18.43	18.36							
16	QPSK	36	0	18.18	18.33	18.30							
16	QPSK	36	20	18.32	18.40	18.31	19.9	0					
16	QPSK	36	50	18.32	18.32	18.30							
16	QPSK	75	0	18.22	18.32	18.38							
16	16QAM	1	0	18.31	18.44	18.23							
16	16QAM	1	37	18.36	18.29	18.35	19.9	0					
16	16QAM	1	74	18.31	18.38	18.17							
16	16QAM	36	0	18.18	18.38	18.34							
16	16QAM	36	20	18.23	18.40	18.37							
16	16QAM	36	50	18.22	18.34	18.16	19.9	0					
16	16QAM	75	0	18.36	18.15	18.27							
16	64QAM	1	0	18.17	18.30	18.30							
16	64QAM	1	37	18.30	18.34	18.39							
16	256QAM	1	0	18.29	18.36	18.22	19.5	0.4					
16	256QAM	36	0	18.36	18.40	18.35							
16	256QAM	36	20	18.31	18.44	18.18							
16	256QAM	75	0	18.32	18.42	18.35							
16	256QAM	75	0	18.33	18.45	18.14	19.5	0.4					
16	256QAM	1	0	18.30	18.38	18.46							
16	256QAM	1	37	18.35	18.42	18.35							
16	256QAM	1	74	18.32	18.40	18.23							
Channel													
Frequency (MHz)				37860	38000	38200							
10	QPSK	1	0	18.43	18.50	18.34	19.9	0					
10	QPSK	1	25	18.49	18.49	18.28							
10	QPSK	1	49	18.45	18.42	18.41							
10	QPSK	25	0	18.52	18.43	18.23							
10	QPSK	25	12	18.23	18.32	18.28	19.9	0					
10	QPSK	25	25	18.42	18.34	18.32							
10	QPSK	50	0	18.30	18.33	18.29							
10	16QAM	1	0	18.27	18.38	18.20							
10	16QAM	1	25	18.36	18.29	18.15	19.9	0					
10	16QAM	1	49	18.28	18.43	18.15							
10	16QAM	25	0	18.23	18.42	18.38							
10	16QAM	25	12	18.22	18.41	18.12							
10	16QAM	25	25	18.22	18.35	18.12	19.9	0					
10	16QAM	50	0	18.35	18.20	18.32							
10	64QAM	1	0	18.19	18.32	18.20							
10	64QAM	1	25	18.29	18.36	18.41							
10	64QAM	1	49	18.25	18.34	18.24	19.9	0					
10	64QAM	25	0	18.37	18.39	18.28							
10	64QAM	25	12	18.28	18.44	18.10							
10	64QAM	25	25	18.33	18.31	18.14							
10	64QAM	50	0	18.28	18.48	18.20	19.9	0					
10	256QAM	1	0	18.29	18.33	18.40							
10	256QAM	1	25	18.25	18.44	18.30							
10	256QAM	1	49	18.26	18.48	18.23							
10	256QAM	25	0	18.25	18.35	18.31	19.5	0.4					
10	256QAM	25	12	18.45	18.46	18.24							
10	256QAM	25	25	18.23	18.25	18.20							
10	256QAM	50	0	18.33	18.36	18.17							
Channel													
Frequency (MHz)				37775	38000	38225							
5	QPSK	1	0	18.47	18.54	18.37	19.9	0					
5	QPSK	1	12	18.43	18.49	18.22							
5	QPSK	1	24	18.45	18.40	18.39							
5	QPSK	12	0	18.33	18.42	18.27							
5	QPSK	12	7	18.15	18.33	18.30	19.9	0					
5	QPSK	12	13	18.40	18.33	18.29							
5	QPSK	25	0	18.27	18.28	18.20							
5	16QAM	1	0	18.28	18.44	18.20							
5	16QAM	1	12	18.41	18.26	18.19	19.9	0					
5	16QAM	1	24	18.20	18.28	18.10							
5	16QAM	12	0	18.20	18.40	18.37							
5	16QAM	12	7	18.18	18.38	18.16							
5	16QAM	12	13	18.16	18.34	18.16	19.9	0					
5	16QAM	25	0	18.30	18.16	18.32							
5	64QAM	1	0	18.18	18.29	18.37							
5	64QAM	1	12	18.28	18.33	18.44							
5	64QAM	1	24	18.25	18.35	18.29	19.9	0					
5	64QAM	12	0	18.40	18.43	18.22							
5	64QAM	12	7	18.30	18.43	18.12							
5	64QAM	12	13	18.36	18.36	18.21							
5	64QAM	25	0	18.35	18.47	18.15	19.5	0.4					
5	256QAM	1	0	18.38	18.29	18.44							
5	256QAM	1	12	18.25	18.40	18.25							
5	256QAM	1	24	18.23	18.40	18.25	19.5	0.4					
5	256QAM	12	0	18.37	18.37	18.29							
5	256QAM	12	7	18.39	18.51	18.28							
5	256QAM	12	13	18.44	18.30	18.15							
Channel													
Frequency (MHz)				37775	38000	38225							



Band 41 PC2 FCC&IC DSI5_Simultaneous Ant 2																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)	MPR (dB)						
Channel																
Frequency (MHz)																
20	QPSK	1	0	20.14	20.22	20.31	20.19	20.10	21.5	0						
20	QPSK	1	49	20.00	20.19	20.02	19.96	20.07								
20	QPSK	50	0	20.00	20.00	20.00	20.07	19.86								
20	QPSK	50	24	19.73	19.84	19.97	19.91	19.91								
20	QPSK	50	0	19.85	19.94	19.99	20.00	19.84	21.5	0						
20	QPSK	100	0	19.87	19.95	20.07	19.91	19.92								
20	16QAM	1	0	19.95	20.15	20.16	19.89	19.78								
20	16QAM	1	49	19.83	19.89	20.16	19.92	19.76								
20	16QAM	1	99	19.89	19.91	19.90	19.89	19.91	21.5	0						
20	16QAM	50	0	19.89	20.00	20.20	20.02	19.94								
20	16QAM	50	24	19.86	20.08	20.13	19.79	19.97								
20	16QAM	100	0	19.80	19.94	20.06	19.79	19.80								
20	64QAM	1	49	19.87	19.90	19.95	19.81	19.92	21.5	0						
20	64QAM	1	99	19.80	19.83	20.00	20.04	19.84								
20	64QAM	50	0	19.87	20.10	20.09	20.09	19.79								
20	64QAM	50	24	19.92	19.87	20.17	19.99	20.00								
20	64QAM	50	50	19.73	19.84	20.00	19.86	19.99	21.5	0						
20	64QAM	100	0	19.86	19.90	20.13	19.98	19.88								
20	256QAM	1	0	19.76	19.88	20.16	20.09	19.92								
20	256QAM	1	49	19.81	19.78	20.00	20.05	19.80	21.5	0						
20	256QAM	1	99	19.80	19.90	19.97	19.78	19.84								
20	256QAM	50	0	19.80	19.74	20.00	19.77	19.84								
20	256QAM	50	24	19.88	19.80	20.14	19.94	19.81								
20	256QAM	50	50	19.81	19.81	19.85	19.86	19.90	21.5	0						
20	256QAM	100	0	19.74	19.80	20.00	19.80	19.86								
Channel																
Frequency (MHz)																
16	QPSK	1	0	20.11	20.19	20.24	20.13	20.16	21.50	0						
16	QPSK	1	37	19.87	20.13	19.97	19.93	19.89								
16	QPSK	1	74	19.98	20.00	20.02	19.98	19.87								
16	QPSK	36	0	19.83	19.83	20.16	19.98	19.85								
16	QPSK	36	20	19.71	19.76	19.89	19.87	19.85	21.5	0						
16	QPSK	36	39	19.76	19.88	19.94	19.97	19.90								
16	QPSK	75	0	19.88	19.92	20.03	19.85	19.89								
16	16QAM	1	0	19.88	20.08	20.07	19.81	19.75								
16	16QAM	1	37	19.79	19.86	19.86	19.71	19.71	21.5	0						
16	16QAM	1	74	19.80	19.89	19.83	19.82	19.86								
16	16QAM	36	0	19.88	20.02	20.14	20.00	19.87								
16	16QAM	36	20	19.82	19.89	20.00	19.80	19.85								
16	16QAM	36	39	19.71	20.05	20.03	19.76	19.91	21.5	0						
16	16QAM	75	0	19.73	19.75	19.91	19.74	19.74								
16	64QAM	1	0	19.88	19.74	19.97	19.89	19.89								
16	64QAM	1	37	19.89	19.94	19.92	19.77	19.84								
16	64QAM	1	74	19.74	19.73	19.95	20.00	19.76	21.5	0						
16	64QAM	36	0	19.85	20.00	19.85	20.01	19.89								
16	64QAM	36	20	19.85	19.78	20.08	19.83	19.90								
16	64QAM	36	39	19.76	19.87	20.07	19.92	19.83								
16	64QAM	75	0	19.79	19.87	20.07	19.92	19.83	21.5	0						
16	256QAM	1	0	19.72	19.80	20.14	20.05	19.88								
16	256QAM	1	37	19.84	19.79	20.05	20.00	19.77								
16	256QAM	1	74	19.77	19.85	19.95	19.71	19.78								
16	256QAM	36	0	19.77	19.87	20.04	19.89	19.94	21.5	0						
16	256QAM	36	20	19.83	19.79	20.09	19.89	19.72								
16	256QAM	36	39	19.78	19.84	19.91	19.86	19.87								
16	256QAM	75	0	19.69	19.84	20.03	19.92	19.80								
Channel																
Frequency (MHz)																
10	QPSK	1	0	20.07	20.18	20.24	20.17	20.14	21.50	0						
10	QPSK	1	25	19.98	20.11	19.95	19.95	20.02								
10	QPSK	1	49	20.06	20.02	19.88	19.89	19.89								
10	QPSK	25	12	19.82	19.79	19.94	20.02	19.84								
10	QPSK	25	12	19.66	19.81	19.93	19.87	19.86	21.5	0						
10	QPSK	25	25	19.76	19.88	19.94	19.97	19.90								
10	QPSK	50	0	19.80	19.83	20.04	19.81	19.89								
10	16QAM	1	0	19.88	20.07	20.07	19.86	19.71								
10	16QAM	1	25	19.81	19.82	20.02	19.82	19.73	21.5	0						
10	16QAM	1	49	19.82	19.84	19.86	19.82	19.87								
10	16QAM	25	0	19.86	19.99	20.11	19.99	19.91								
10	16QAM	25	12	19.79	20.01	20.10	19.96	19.87								
10	16QAM	50	0	19.74	20.02	20.07	19.70	19.91	21.5	0						
10	16QAM	50	0	19.72	19.76	19.80	19.72	19.79								
10	64QAM	1	0	19.86	19.88	20.02	20.06	19.86								
10	64QAM	1	25	19.91	19.82	19.90	19.73	19.89								
10	64QAM	1	49	19.70	19.78	20.02	19.99	19.76	21.5	0						
10	64QAM	25	0	19.82	20.05	20.02	20.08	19.70								
10	64QAM	25	12	19.84	19.77	20.13	19.97	19.97								
10	64QAM	25	25	19.63	19.77	20.01	19.78	19.97								
10	64QAM	50	0	19.80	19.87	20.04	19.89	19.80	21.5	0						
10	256QAM	1	0	19.73	19.92	20.16	20.03	19.85								
10	256QAM	1	25	19.87	19.70	19.96	19.96	19.70								
10	256QAM	1	49	19.72	19.87	19.97	19.73	19.81								
10	256QAM	25	0	19.76	19.81	19.95	19.94	19.83	21.5	0						
10	256QAM	25	12	19.86	19.75	20.00	19.86	19.70								
10	256QAM	25	25	19.76	19.81	19.95	19.94	19.83								
10	256QAM	50	0	19.68	19.95	20.05	19.97	19.80								
Channel																
Frequency (MHz)																
5	QPSK	1	0	20.05	20.20	20.25	20.13	20.07	21.50	0						
5	QPSK	1	12	19.92	20.14	19.91	19.84	20.04								
5	QPSK	1	24	20.00	19.96	19.89	20.00	19.93								
5	QPSK	12	0	19.88	19.78	20.15	20.09	19.80								
5	QPSK	12														

S/N	OSM100 Ant	OSM 5mParasewa												
		Beam Feeding Forward (m)				Frame-Average Power (dBm)								
		TX Channel		812	861	810	Link	S12		861	810	Link		
Frequency (MHz)		189.2	190.2	189.2	30.00	189.2	190.2	189.2	30.00	189.2	190.2	189.2	30.00	
OSM 1 Tx Wd		20.47	20.61	20.45	30.00	20.47	20.61	20.45	21.00	20.47	20.60	20.45	21.00	
OSM 2 Tx Wd		20.78	20.84	20.79	28.00	20.78	20.84	20.79	22.00	20.78	20.84	20.79	22.00	
OSM 3 Tx Wd		20.17	20.57	20.25	26.00	20.81	21.00	20.69	22.04	20.81	21.00	20.69	22.04	
OSM 4 Tx Wd		22.80	22.57	22.80	24.00	19.60	19.07	19.50	21.00	22.80	22.57	22.80	24.00	
EDGE 1 Tx Wd		20.06	20.13	24.09	26.00	18.06	16.13	18.09	17.00	20.06	20.13	24.09	26.00	
EDGE 2 Tx Wd		21.33	21.43	23.40	24.00	17.33	17.43	17.40	18.00	21.33	21.43	23.40	24.00	
EDGE 3 Tx Wd		22.21	22.55	22.25	23.00	17.80	18.00	17.80	19.24	22.21	22.55	22.25	23.00	
EDGE 4 Tx Wd		20.18	20.18	20.08	21.00	17.13	17.18	17.08	18.00	20.18	20.18	20.08	21.00	
		OSM 5mParasewa WCDMA 1 MHz								OSM 5mParasewa WCDMA 1 MHz				
Band		WCDMA II				Turnup	WCDMA IV				Turnup	WCDMA IV		Turnup
Tx Channel		8602	8600	8598	Link	8512	8491	8513	Link	8512	8491	8513	Link	
Rx Channel		8602	8600	8608	(dBm)	8517	1638	1798	(dBm)	8517	1638	1798	(dBm)	
Frequency (MHz)		22.00	22.00	22.00	23.00	16.12	16.14	16.12	21.70	16.12	16.14	16.12	21.70	
SOPP Rel 90		22.00	22.10	22.15	23.00	16.12	16.14	16.12	21.70	22.00	22.10	22.15	23.00	
SOPP Rel 90		22.11	22.22	22.17	23.00	16.34	20.46	20.37	21.70	22.11	22.22	22.17	23.00	
SOPP Rel 6		21.12	21.24	21.17	22.00	19.30	19.44	19.47	20.70	21.12	21.24	21.17	22.00	
SOPP Rel 6		21.18	21.29	21.03	22.00	19.33	19.52	19.24	20.70	21.18	21.29	21.03	22.00	
SOPP Rel 6		20.76	20.60	20.65	21.00	18.67	18.80	18.60	20.20	20.76	20.60	20.65	21.00	
SOPP Rel 6		20.57	20.63	20.73	21.00	18.81	18.84	18.93	20.20	20.57	20.63	20.73	21.00	
SOPP Rel 6		21.14	21.22	21.05	22.00	19.34	19.52	19.36	20.70	21.14	21.22	21.05	22.00	
SOPP Rel 6		21.18	21.18	21.26	22.00	19.32	19.43	19.44	20.70	21.18	21.18	21.26	22.00	
SOPP Rel 6		20.51	20.68	20.60	21.00	18.81	18.80	18.69	20.20	20.51	20.68	20.60	21.00	
SOPP Rel 6		20.52	20.71	20.61	21.00	18.71	18.80	18.71	20.20	20.52	20.71	20.61	21.00	
SOPP Rel 6		21.14	21.38	21.07	22.00	19.44	19.62	19.33	20.70	21.14	21.38	21.07	22.00	
SOPP Rel 6		19.36	19.24	19.24	20.00	17.55	17.44	17.46	18.10	19.36	19.24	19.24	20.00	
SOPP Rel 6		20.36	20.11	20.11	21.00	18.49	18.47	18.30	19.70	20.36	20.11	20.11	21.00	
SOPP Rel 6		19.09	19.37	19.35	20.00	17.27	17.67	17.43	18.70	19.09	19.37	19.35	20.00	
SOPP Rel 6		21.12	21.20	21.03	22.00	19.31	19.32	19.26	20.70	21.12	21.20	21.03	22.00	



Band 2 DSIS_Simultaneous Ant 3														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up limit (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.22	21.23	21.18	22.8	0						
20	QPSK	1	49	21.01	21.04	21.00								
20	QPSK	1	99	20.99	21.10	21.11	22.8	0						
20	QPSK	50	0	21.06	21.22	21.06								
20	QPSK	50	24	21.01	21.05	21.03	22.8	0						
20	QPSK	50	50	21.04	21.07	21.03								
20	QPSK	100	0	21.03	21.14	20.97	22.8	0						
20	16QAM	50	0	20.98	21.08	20.97								
20	16QAM	1	49	21.05	21.08	21.13	22.8	0						
20	16QAM	1	99	20.97	21.07	21.05								
20	16QAM	50	0	21.10	21.10	20.92	22.8	0						
20	16QAM	50	24	21.03	21.09	20.97								
20	16QAM	50	50	21.02	21.06	21.00	22.8	0						
20	16QAM	100	0	21.05	21.10	21.13								
20	84QAM	1	0	20.92	20.98	20.93	22.8	0						
20	84QAM	1	49	20.98	21.07	20.93								
20	84QAM	1	99	20.94	21.05	20.99	22.8	0						
20	84QAM	50	0	21.04	21.10	21.05								
20	84QAM	50	24	21.00	21.13	20.99	22.8	0						
20	84QAM	50	50	21.02	21.06	21.00								
20	84QAM	100	0	21.05	21.10	21.13	22.8	0						
20	256QAM	1	0	20.92	20.98	20.93								
20	256QAM	1	49	19.51	19.63	19.45	21	1.8						
20	256QAM	1	99	19.38	19.43	19.33								
20	256QAM	50	0	19.37	19.45	19.37	21	1.8						
20	256QAM	50	24	19.33	19.39	19.36								
20	256QAM	50	50	19.25	19.35	19.32	21	1.8						
20	256QAM	100	0	19.43	19.53	19.43								
Channel														
Frequency (MHz)														
16	QPSK	1	0	21.07	21.21	21.12	22.8	0						
16	QPSK	1	37	21.02	21.18	20.97								
16	QPSK	1	74	20.99	21.05	20.98	22.8	0						
16	QPSK	36	0	20.92	21.15	21.03								
16	QPSK	36	30	20.95	20.96	20.97	22.8	0						
16	QPSK	36	39	20.92	20.95	20.88								
16	QPSK	75	0	20.93	21.11	20.92	22.8	0						
16	16QAM	1	0	20.83	20.88	20.83								
16	16QAM	1	37	20.95	21.04	21.07	22.8	0						
16	16QAM	1	74	20.90	20.91	20.92								
16	16QAM	36	0	21.02	20.99	20.98	22.8	0						
16	16QAM	36	39	20.89	20.99	20.87								
16	16QAM	75	0	20.98	20.98	21.02	22.8	0						
16	84QAM	1	0	20.87	20.89	20.83								
16	84QAM	1	37	20.94	20.99	20.98	22.8	0						
16	84QAM	1	74	20.97	21.03	20.94								
16	84QAM	36	0	20.89	21.04	20.99	22.8	0						
16	84QAM	36	39	20.89	20.98	20.94								
16	84QAM	75	0	20.93	20.95	20.97	22.8	0						
16	84QAM	75	0	20.89	20.93	20.82								
16	256QAM	1	0	19.35	19.45	19.35	21	1.8						
16	256QAM	1	37	19.39	19.50	19.40								
16	256QAM	1	74	19.33	19.30	19.28	21	1.8						
16	256QAM	36	0	19.42	19.50	19.42								
16	256QAM	36	39	19.23	19.25	19.20	21	1.8						
16	256QAM	75	0	19.30	19.33	19.29								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.13	21.20	21.10	22.8	0						
5	QPSK	1	12	21.04	21.11	21.00								
5	QPSK	1	24	20.95	21.00	21.03	22.8	0						
5	QPSK	12	0	21.03	21.18	21.03								
5	QPSK	12	7	20.91	20.97	20.92	22.8	0						
5	QPSK	12	13	20.92	21.03	20.98								
5	QPSK	25	0	20.92	21.08	20.98	22.8	0						
5	16QAM	1	0	20.82	21.00	20.77								
5	16QAM	1	12	20.91	21.01	21.01	22.8	0						
5	16QAM	1	24	20.85	21.04	20.94								
5	16QAM	12	0	20.96	20.98	20.85	22.8	0						
5	16QAM	12	7	20.98	21.06	20.91								
5	16QAM	12	13	20.93	20.98	20.98	22.8	0						
5	16QAM	25	0	20.93	21.01	20.99								
5	84QAM	1	0	20.82	20.93	20.83	22.8	0						
5	84QAM	1	24	20.85	21.04	20.89								
5	84QAM	12	0	20.97	21.06	21.01	22.8	0						
5	84QAM	12	7	20.85	21.02	20.98								
5	84QAM	12	13	20.81	20.95	20.87	22.8	0						
5	84QAM	25	0	20.86	20.98	20.84								
5	256QAM	1	0	19.37	19.50	19.39	21	1.8						
5	256QAM	1	12	19.43	19.52	19.42	21	1.8						
5	256QAM	1	24	19.25	19.36	19.24								
5	256QAM	12	0	19.26	19.42	19.33	21	1.8						
5	256QAM	12	7	19.28	19.33	19.25								
5	256QAM	12	13	19.29	19.38	19.29	21	1.8						
5	256QAM	25	0	19.29	19.39	19.45								
Channel														
Frequency (MHz)														
3	QPSK	1	0	21.13	21.17	21.07	22.8	0						
3	QPSK	1	8	21.01	21.21	21.08								
3	QPSK	1	16	20.95	21.00	21.03	22.8	0						
3	QPSK	8	0	20.97	21.09	20.94								
3	QPSK	8	4	20.96	20.98	20.88	22.8	0						
3	QPSK	8	10	20.91	21.03	20.91								
3	QPSK	15	0	21.00	21.06	20.93	22.8	0						
3	16QAM	1	0	20.83	20.98	20.80								
3	16QAM	1	8	20.98	21.08	20.93	22.8	0						
3	16QAM	1	16	20.83	20.96	21.01								
3	16QAM	8	0	20.96	21.00	20.84	22.8	0						
3	16QAM	8	8	20.97	21.05	20.94								
3	16QAM	8	16	20.90	20.99	20.86	22.8	0						
3	84QAM	1	0	21.00	21.01	20.99								
3	84QAM	1	8	20.94	21.00	20.85	22.8	0						
3	84QAM	1	16	20.91	21.00	20.92								
3	84QAM	8	0	20.95	21.05	20.95	22.8	0						
3	84QAM	8	8	20.93	21.04	20.91								
3	84QAM	8	16	20.88	20.98	20.85	22.8	0						
3	256QAM	1	0	19.42	19.48	19.38								
3	256QAM	1	8	19.45	19.55	19.37	21	1.8						
3	256QAM	1	16	19.23	19.29	19.21								
3	256QAM	8	0	19.29	19.47	19.33	21	1.8						
3	256QAM	8	8	19.30	19.40	19.30								
3	256QAM	8	16	19.21	19.30	19.25	21	1.8						
3	256QAM	15	0	19.36	19.39	19.36								
Channel														
Frequency (MHz)														
1.8	QPSK	1	0	21.18	21.18	21.14	22.8	0						
1.8	QPSK	1	8	21.06	21.26	21.10								
1.8	QPSK	1	16	20.92	21.06	21.05	22.8	0						
1.8	QPSK	8	0	20.92	20.98	21.01								
1.8	QPSK	3	0	20.94	21.16	21.01	22.8	0						
1.8	QPSK	3	8	20.90	20.90	20.85								
1.8	QPSK	3	16	20.96	20.93	20.92	22.8	0						
1.8	QPSK	6	0	20.99	21.10	20.84								
1.8	QPSK	6	8	20.93	21.03	20.94	22.8	0						
1.8	QPSK	6	16	21.01	21.01	21.01								
1.8	16QAM	1	0	20.85	20.99	21.01	22.8	0						
1.8	16QAM	1	8	20.86	21.02	20.98								
1.8	16QAM	1	16	20.87	21.05	20.98	22.8	0						
1.8	16QAM	3	0	20.97	21.03	20.91								
1.8	16QAM	3	8	20.97	21.05	20.95	22.8	0						
1.8	16QAM	3	16	20.90	21.05	20.97								
1.8	84QAM	1	0	20.85	20.95	20.82	22.8	0						
1.8	84QAM	1	8	20.86	21.02	20.98								
1.8	84QAM	1	16	20.87	21.05	20.98	22.8	0						
1.8	84QAM	3	0	20.90	21.05	20.97								
1.8	84QAM	3	8	20.91	20.96	20.82	22.8	0						
1.8	84QAM	6	0	20.91	20.96	20.82								
1.8	256QAM	1	0	19.34	19.37	19.40	21	1.8						
1.8	256QAM	1	8	19.48	19.48	19.38								
1.8	256QAM	1	16	19.34	19.40	19.27	21	1.8						
1.8	256QAM	3	0	19.33	19.36	19.28								
1.8	256QAM	3	8	19.32	19.32	19.21	21	1.8						
1.8	256QAM	3	16	19.31	19.32	19.19								

Band 25 DSIS_Simultaneous Ant 3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.24	21.34	21.31			22.8	0		
20	QPSK	1	48	21.21	21.30	21.23						
20	QPSK	1	96	21.07	21.23	21.19			22.8	0		
20	QPSK	50	0	21.20	21.31	21.19						
20	QPSK	50	24	21.10	21.18	21.04			22.8	0		
20	QPSK	50	50	21.09	21.26	21.22						
20	QPSK	100	0	21.15	21.25	21.17			22.8	0		
20	16QAM	1	0	21.08	21.13	21.05						
20	16QAM	1	48	21.09	21.20	21.12			22.8	0		
20	16QAM	1	96	21.06	21.16	21.06						
20	16QAM	50	0	21.13	21.26	21.07			22.8	0		
20	16QAM	50	24	21.09	21.19	21.14						
20	16QAM	50	50	21.06	21.17	21.09			22.8	0		
20	16QAM	100	0	21.20	21.19	21.25						
20	64QAM	1	0	20.98	21.06	20.94			22.8	0		
20	64QAM	1	48	21.06	21.22	21.00						
20	64QAM	1	96	21.08	21.19	21.07			22.8	0		
20	64QAM	50	0	21.04	21.21	21.17						
20	64QAM	50	24	21.08	21.19	21.09			22.8	0		
20	64QAM	50	50	21.05	21.19	21.07						
20	64QAM	100	0	21.12	21.08	21.11			21	1.8		
20	256QAM	1	0	19.47	19.55	19.42						
20	256QAM	1	48	19.33	19.53	19.43			21	1.8		
20	256QAM	1	96	19.34	19.52	19.40						
20	256QAM	50	0	19.28	19.53	19.28			21	1.8		
20	256QAM	50	24	19.28	19.36	19.31						
20	256QAM	50	50	19.32	19.30	19.29			21	1.8		
20	256QAM	100	0	19.34	19.30	19.29						
Channel												
Frequency (MHz)												
15	QPSK	1	0	19.15	19.80	19.77			22.8	0		
15	QPSK	1	24	21.10	21.29	21.13						
15	QPSK	1	74	21.03	21.17	21.07			22.8	0		
15	QPSK	36	0	21.08	21.24	21.07						
15	QPSK	36	20	20.96	21.10	20.94			22.8	0		
15	QPSK	36	36	20.96	21.11	21.18						
15	QPSK	75	0	21.04	21.14	21.08			22.8	0		
15	QPSK	75	24	21.00	20.99	20.99						
15	16QAM	1	0	20.95	21.01	20.85			22.8	0		
15	16QAM	1	74	21.01	21.04	21.04						
15	16QAM	1	37	21.00	21.06	21.04			22.8	0		
15	16QAM	36	0	20.97	21.08	20.95						
15	16QAM	36	20	21.02	21.04	21.01			22.8	0		
15	16QAM	36	36	21.02	21.08	21.05						
15	16QAM	75	0	21.07	21.15	21.14			22.8	0		
15	64QAM	1	0	20.85	21.01	20.85						
15	64QAM	1	24	20.92	21.11	21.02			22.8	0		
15	64QAM	1	74	20.95	21.03	21.04						
15	64QAM	36	0	20.91	21.11	21.04			22.8	0		
15	64QAM	36	20	20.95	21.05	20.96						
15	64QAM	36	36	20.95	21.15	20.99			22.8	0		
15	64QAM	75	0	21.01	21.02	20.97						
15	256QAM	1	0	19.57	19.63	19.56			21	1.8		
15	256QAM	1	37	19.30	19.51	19.27						
15	256QAM	1	74	19.20	19.28	19.26			21	1.8		
15	256QAM	36	0	19.27	19.42	19.35						
15	256QAM	36	20	19.19	19.33	19.19			21	1.8		
15	256QAM	36	36	19.24	19.25	19.16						
15	256QAM	75	0	19.23	19.43	19.30			21	1.8		
Channel												
Frequency (MHz)												
10	QPSK	1	0	21.05	21.24	21.12					22.8	0
10	QPSK	1	24	21.09	21.21	21.18						
10	QPSK	1	48	20.95	21.09	21.04			22.8	0		
10	QPSK	25	0	21.16	21.19	21.07						
10	QPSK	25	12	21.06	21.03	20.90			22.8	0		
10	QPSK	25	25	21.06	21.20	21.19						
10	16QAM	1	0	21.00	21.08	21.04			22.8	0		
10	16QAM	1	24	20.98	21.09	21.02						
10	16QAM	1	48	21.02	21.06	21.08			22.8	0		
10	16QAM	25	0	21.07	21.12	21.01						
10	16QAM	25	12	21.04	21.13	21.04			22.8	0		
10	16QAM	25	25	21.09	21.08	20.94						
10	16QAM	50	0	21.14	21.10	21.20			22.8	0		
10	64QAM	1	0	20.94	20.95	20.90						
10	64QAM	1	24	20.92	21.11	21.02			22.8	0		
10	64QAM	1	48	21.01	21.06	21.00						
10	64QAM	25	0	20.96	21.12	21.08			22.8	0		
10	64QAM	25	12	21.00	21.09	21.06						
10	64QAM	25	25	20.98	21.14	20.95			22.8	0		
10	64QAM	50	0	21.04	20.95	21.07						
10	256QAM	1	0	19.38	19.45	19.33			21	1.8		
10	256QAM	1	24	19.29	19.49	19.34						
10	256QAM	1	48	19.25	19.48	19.34			21	1.8		
10	256QAM	25	0	19.22	19.43	19.28						
10	256QAM	25	12	19.22	19.42	19.23			21	1.8		
10	256QAM	1	24	19.21	19.26	19.18						
10	256QAM	12	0	19.27	19.46	19.32			21	1.8		
10	256QAM	12	7	19.22	19.31	19.16						
10	256QAM	12	10	19.28	19.22	19.20			21	1.8		
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.15	21.31	21.22					22.8	0
5	QPSK	1	12	21.10	21.19	21.19						
5	QPSK	1	24	21.05	21.23	21.13			22.8	0		
5	QPSK	12	0	21.14	21.16	21.15						
5	QPSK	12	7	21.07	21.10	20.99			22.8	0		
5	QPSK	12	14	21.03	21.12	21.10						
5	QPSK	25	0	21.09	21.23	21.11			22.8	0		
5	16QAM	1	0	21.02	21.03	21.01						
5	16QAM	1	12	21.03	21.05	21.03			22.8	0		
5	16QAM	1	24	20.99	21.04	21.00						
5	16QAM	12	0	21.09	21.13	21.03			22.8	0		
5	16QAM	12	7	21.05	21.10	21.03						
5	16QAM	12	14	20.96	21.12	21.01			22.8	0		
5	16QAM	25	0	21.07	21.06	21.01						
5	16QAM	25	7	20.99	20.99	20.96			22.8	0		
5	16QAM	25	14	21.00	21.08	21.04						
5	16QAM	50	0	21.12	21.10	21.14			22.8	0		
5	64QAM	1	0	20.86	20.96	20.99						
5	64QAM	1	12	21.00	21.08	21.00			22.8	0		
5	64QAM	1	24	20.97	21.07	21.02						
5	64QAM	12	0	21.00	21.06	21.01			22.8	0		
5	64QAM	12	7	20.97	21.07	21.02						
5	64QAM	12	14	20.98	21.09	21.03			22.8	0		
5	64QAM	25	0	21.08	20.96	20.93						
5	256QAM	1	0	19.37	19.44	19.28			21	1.8		
5	256QAM	1	12	19.28	19.48	19.33						
5	256QAM	1	24	19.23	19.51	19.30			21	1.8		
5	256QAM	12	0	19.27	19.48	19.32						
5	256QAM	12	7	19.22	19.31	19.16			21	1.8		
5	256QAM	12	14	19.28	19.22	19.20						
5	256QAM	25	0	19.21	19.50	19.30			21	1.8		
Channel												
Frequency (MHz)												
3	QPSK	1	0	21.15	21.27	21.27					22.8	0
3	QPSK	1	8	21.07	21.24	21.12						
3	QPSK	1	14	20.95	21.15	21.05			22.8	0		
3	QPSK	8	0	21.14	21.18	21.13						
3	QPSK	8	4	21.05	21.10	20.89			22.8	0		
3	QPSK	8	7	20.97	21.11	21.19						
3	QPSK	16	0	21.11	21.16	21.12			22.8	0		
3	16QAM	1	0	21.00	21.06	20.94						
3	16QAM	1	8	21.01	21.06	21.09			22.8	0		
3	16QAM	1	14	20.92	21.09	21.03						
3	16QAM	8	0	21.01	21.20	20.97			22.8	0		
3	16QAM	8	4	20.99	21.07	21.00						
3	16QAM	8	7	20.98	21.13	21.02			22.8	0		
3	16QAM	16	0	21.16	21.05	21.21						
3	64QAM	1	0	20.87	20.96	20.90			22.8	0		
3	64QAM	1	8	21.02	21.16	20.89						
3	64QAM	1	14	20.95	21.03	21.04			22.8	0		
3	64QAM	8	0	20.91	21.17	21.10						
3	64QAM	8	4	20.99	21.09	21.01			22.8	0		
3	64QAM	8	7	20.98	21.11	20.92						
3	256QAM	1	0	19.37	19.44	19.28			21	1.8		
3	256QAM	1	8	19.27	19.51	19.27						
3	256QAM	1	14	19.20	19.20	19.17			21	1.8		
3	256QAM	8	0	19.27	19.43	19.37						
3	256QAM	8	4	19.14	19.31	19.22			21	1.8		
3	256QAM	8	7	19.18	19.22	19.28						
3	256QAM	16	0	19.22	19.52	19.33			21	1.8		
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	21.20	21.26	21.22			22.8	0		
1.4	QPSK	1	3	21.10	21.16	21.17						
1.4	QPSK	1	6	21.01	21.15	21.15			22.8	0		
1.4	QPSK	3	0	21.12	21.23	21.08						
1.4	QPSK	3	3	21.04	21.1							



Band 38 DSI5_Simultaneous Ant 3												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.92	22.02	21.77	23	0				
20	QPSK	1	48	21.82	21.88	21.73						
20	QPSK	1	96	21.75	21.82	21.76						
20	QPSK	50	0	21.78	21.95	21.87						
20	QPSK	50	24	21.71	21.78	21.72	23	0				
20	QPSK	50	48	21.65	21.70	21.68						
20	QPSK	100	0	21.86	21.94	21.73						
20	16QAM	1	0	21.76	21.85	21.80						
20	16QAM	1	48	21.68	21.68	21.82	23	0				
20	16QAM	1	96	21.65	21.81	21.87						
20	16QAM	50	0	21.89	21.96	21.70						
20	16QAM	50	24	21.74	21.96	21.70						
20	16QAM	50	50	21.66	21.74	21.68	23	0				
20	16QAM	100	0	21.67	21.71	21.56						
20	64QAM	1	0	21.65	21.73	21.65						
20	64QAM	1	48	21.66	21.62	21.52						
20	64QAM	1	96	21.58	21.80	21.85	23	0				
20	64QAM	50	0	21.80	21.91	21.90						
20	64QAM	50	24	21.82	21.90	21.80						
20	64QAM	50	50	21.72	21.86	21.78						
20	64QAM	100	0	21.87	21.91	21.91	20.5	0.5				
20	256QAM	1	0	19.81	20.02	19.87						
20	256QAM	1	48	19.93	20.02	19.85						
20	256QAM	1	96	19.80	19.77	19.75						
20	256QAM	50	0	19.89	19.84	19.86	20.5	2.5				
20	256QAM	50	24	19.89	19.85	19.91						
20	256QAM	50	50	19.82	19.85	19.77						
20	256QAM	100	0	19.83	19.73	19.86						
Channel												
Frequency (MHz)												
15	QPSK	1	0	21.73	21.95	21.73	23	0				
15	QPSK	1	37	21.74	21.84	21.84						
15	QPSK	1	74	21.68	21.76	21.80						
15	QPSK	36	0	21.67	21.79	21.81						
15	QPSK	36	20	21.61	21.74	21.65	23	0				
15	QPSK	36	36	21.61	21.61	21.74						
15	QPSK	75	0	21.68	21.84	21.89						
15	16QAM	1	0	21.69	21.83	21.72						
15	16QAM	1	37	21.58	21.77	21.59	23	0				
15	16QAM	1	74	21.58	21.77	21.59						
15	16QAM	36	0	21.79	21.86	21.68						
15	16QAM	36	20	21.67	21.86	21.60						
15	16QAM	36	36	21.63	21.67	21.86	23	0				
15	16QAM	75	0	21.62	21.78	21.53						
15	64QAM	1	0	21.63	21.66	21.62						
15	64QAM	1	37	21.52	21.58	21.44						
15	64QAM	1	74	21.52	21.69	21.81	22.5	0.5				
15	64QAM	36	0	21.75	21.87	21.84						
15	64QAM	36	20	21.67	21.81	21.87						
15	64QAM	75	0	21.83	21.95	21.76						
15	256QAM	1	0	19.75	19.85	19.75	20.5	2.5				
15	256QAM	1	37	19.80	19.90	19.74						
15	256QAM	1	74	19.89	19.83	19.88						
15	256QAM	36	0	19.80	19.99	19.76						
15	256QAM	36	20	19.82	19.73	19.78	20.5	2.5				
15	256QAM	36	36	19.77	19.77	19.86						
15	256QAM	75	0	19.90	20.06	19.78						
15	256QAM	100	0	19.90	20.06	19.78						
Channel												
Frequency (MHz)												
10	QPSK	1	0	21.67	21.89	21.76	23	0				
10	QPSK	1	25	21.75	21.96	21.63						
10	QPSK	1	48	21.73	21.72	21.81						
10	QPSK	25	12	21.72	21.82	21.82						
10	QPSK	25	12	21.66	21.76	21.67	23	0				
10	QPSK	25	25	21.61	21.67	21.50						
10	QPSK	25	37	21.59	21.85	21.67						
10	16QAM	1	0	21.71	21.79	21.76						
10	16QAM	1	25	21.66	21.87	21.56	23	0				
10	16QAM	1	48	21.60	21.74	21.64						
10	16QAM	25	0	21.77	21.84	21.67						
10	16QAM	25	12	21.67	21.84	21.64						
10	16QAM	25	12	21.61	21.87	21.59	23	0				
10	16QAM	50	0	21.64	21.78	21.53						
10	64QAM	1	0	21.66	21.87	21.59						
10	64QAM	1	25	21.52	21.52	21.45						
10	64QAM	1	48	21.53	21.84	21.56	23	0				
10	64QAM	25	0	21.70	21.81	21.85						
10	64QAM	25	12	21.78	21.81	21.67						
10	64QAM	25	25	21.64	21.75	21.64						
10	64QAM	50	0	21.86	21.81	21.88	22.5	0.5				
10	256QAM	1	0	19.73	19.91	19.75						
10	256QAM	1	25	19.74	19.68	19.72						
10	256QAM	1	48	19.87	19.84	19.70						
10	256QAM	25	0	19.76	19.85	19.73	20.5	2.5				
10	256QAM	25	12	19.86	19.70	19.84						
10	256QAM	25	25	19.75	19.81	19.86						
10	256QAM	50	0	19.94	20.05	19.88						
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.83	21.95	21.74	23	0				
5	QPSK	1	16	21.70	21.87	21.84						
5	QPSK	1	24	21.72	21.73	21.88						
5	QPSK	12	0	21.69	21.82	21.80						
5	QPSK	12	7	21.68	21.70	21.64	23	0				
5	QPSK	12	19	21.63	21.84	21.57						
5	QPSK	25	0	21.62	21.84	21.67						
5	16QAM	1	0	21.73	21.81	21.70						
5	16QAM	1	12	21.61	21.81	21.58	23	0				
5	16QAM	1	24	21.60	21.74	21.80						
5	16QAM	12	0	21.81	21.87	21.83						
5	16QAM	12	7	21.69	21.90	21.65						
5	16QAM	12	13	21.58	21.69	21.82	23	0				
5	16QAM	25	0	21.62	21.73	21.85						
5	64QAM	1	0	21.65	21.68	21.62						
5	64QAM	1	12	21.47	21.87	21.40						
5	64QAM	1	24	21.54	21.85	21.58	22.5	0.5				
5	64QAM	12	0	21.71	21.81	21.78						
5	64QAM	12	7	21.71	21.80	21.68						
5	64QAM	25	0	21.80	21.90	21.76						
5	256QAM	1	0	19.87	19.99	19.73	20.5	2.5				
5	256QAM	1	12	19.88	19.93	19.77						
5	256QAM	1	24	19.89	19.87	19.82						
5	256QAM	12	0	19.80	19.91	19.73						
5	256QAM	12	7	19.75	19.78	19.84	20.5	2.5				
5	256QAM	12	13	19.76	19.76	19.80						
5	256QAM	25	0	19.88	20.05	19.88						
5	256QAM	25	0	19.88	20.05	19.88						

Band 41 PC3 FCC&IC DSI5_Simultaneous Ant 3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPE (dB)
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.01	21.96	22.07	21.87	22.00		23	0
20	QPSK	1	48	21.87	21.88	22.05	21.81	21.90			
20	QPSK	1	96	21.77	21.85	21.87	21.77	21.82			
20	QPSK	50	0	21.92	21.86	21.87	21.77	21.82			
20	QPSK	50	24	21.80	21.80	21.80	21.81	21.81			
20	QPSK	50	48	21.77	21.74	21.74	21.74	21.79			
20	QPSK	100	0	21.79	21.69	21.67	21.53	21.62			
20	16QAM	1	0	21.81	21.81	21.80	21.86	21.89			
20	16QAM	1	48	21.68	21.74	21.74	21.68	21.65			
20	16QAM	1	96	21.80	21.70	21.69	21.74	21.73			
20	16QAM	50	0	21.87	21.81	21.85	21.81	21.52			
20	16QAM	50	24	21.79	21.40	21.40	21.68	21.32			
20	16QAM	50	50	21.55	21.41	21.48	21.38	21.57			
20	16QAM	100	0	21.96	21.67	21.67	21.52	21.64			
20	16QAM	100	24	21.80	21.52	21.52	21.39	21.41			
20	64QAM	1	0	21.84	21.84	21.84	21.84	21.84			
20	64QAM	1	48	21.50	21.50	21.67	21.53	21.55			
20	64QAM	1	96	21.44	21.44	21.44	21.44	21.50			
20	64QAM	50	0	20.84	20.70	20.69	20.77	20.73			
20	64QAM	50	24	20.58	20.60	20.76	20.62	20.60			
20	64QAM	50	50	20.64	20.60	20.60	20.57	20.67			
20	64QAM	100	0	20.67	20.71	20.81	20.66	20.69			
20	256QAM	1	0	18.42	18.31	18.32	18.40	18.47			
20	256QAM	1	48	18.38	18.35	18.32	18.39	18.41			
20	256QAM	1	96	18.42	18.31	18.28	18.31	18.14			
20	256QAM	1	144	18.47	18.46	18.46	18.47	18.54			
20	256QAM	50	24	18.41	18.46	18.51	18.43	18.35			
20	256QAM	50	50	18.37	18.35	18.49	18.39	18.42			
20	256QAM	100	0	18.37	18.40	18.49	18.38	18.45			
Channel											
Frequency (MHz)											
15	QPSK	1	0	21.75	21.74	21.74	21.74	21.75		23.00	0
15	QPSK	1	37	21.76	21.83	22.02	21.70	21.86			
15	QPSK	1	74	21.69	21.66	21.80	21.64	21.77			
15	QPSK	50	0	21.82	21.76	21.77	21.77	21.78			
15	QPSK	50	24	21.72	21.77	21.70	21.70	21.70			
15	QPSK	50	48	21.68	21.62	21.62	21.68	21.73			
15	QPSK	100	0	21.69	21.61	21.61	21.73	21.67			
15	16QAM	1	0	21.72	21.70	21.63	21.62	21.63			
15	16QAM	1	37	21.62	21.62	21.62	21.62	21.63			
15	16QAM	1	74	21.76	21.59	21.58	21.65	21.69			
15	16QAM	50	0	21.90	21.44	21.54	21.49	21.39			
15	16QAM	50	24	21.27	21.36	21.36	21.27	21.30			
15	16QAM	50	39	21.22	21.30	21.33	21.23	21.29			
15	16QAM	100	0	21.25	21.25	21.25	21.25	21.40			
15	64QAM	1	0	21.65	21.40	21.52	21.55	21.59			
15	64QAM	1	37	21.45	21.35	21.44	21.40	21.50			
15	64QAM	1	74	21.29	21.21	21.21	21.29	21.41			
15	64QAM	50	0	20.71	20.66	20.73	20.60	20.67			
15	64QAM	50	24	20.53	20.56	20.67	20.58	20.48			
15	64QAM	50	39	20.58	20.50	20.57	20.58	20.51			
15	64QAM	100	0	20.64	20.57	20.76	20.59	20.58			
15	256QAM	1	0	18.36	18.36	18.36	18.36	18.36			
15	256QAM	1	37	18.24	18.20	18.41	18.15	18.15			
15	256QAM	1	74	18.11	18.20	18.25	18.25	18.35			
15	256QAM	1	111	18.58	18.56	18.56	18.58	18.63			
15	256QAM	50	24	18.37	18.32	18.42	18.30	18.22			
15	256QAM	50	39	18.28	18.23	18.37	18.34	18.30			
15	256QAM	100	0	18.45	18.45	18.45	18.45	18.45			
Channel											
Frequency (MHz)											
10	QPSK	1	0	21.68	21.67	21.67	21.67	21.68		23.00	0
10	QPSK	1	25	21.83	21.75	21.74	21.78	21.79			
10	QPSK	1	50	21.67	21.66	21.74	21.67	21.68			
10	QPSK	25	0	21.69	21.74	21.50	21.65	21.68			
10	QPSK	25	12	21.77	21.69	21.71	21.72	21.78			
10	QPSK	25	37	21.73	21.72	21.72	21.73	21.68			
10	QPSK	50	0	21.73	21.55	21.65	21.68	21.80			
10	16QAM	1	0	21.68	21.71	21.65	21.84	21.52			
10	16QAM	1	25	21.81	21.72	21.72	21.81	21.62			
10	16QAM	1	49	21.76	21.63	21.68	21.67	21.63			
10	16QAM	25	0	21.51	21.59	21.52	21.47	21.41			
10	16QAM	25	12	21.33	21.38	21.37	21.37	21.18			
10	16QAM	25	37	21.27	21.32	21.37	21.25	21.22			
10	16QAM	50	0	21.53	21.50	21.50	21.53	21.48			
10	64QAM	1	0	21.67	21.40	21.52	21.65	21.58			
10	64QAM	1	25	21.45	21.42	21.42	21.43	21.50			
10	64QAM	1	50	21.37	21.41	21.41	21.37	21.48			
10	64QAM	25	0	20.76	20.60	20.63	20.71	20.65			
10	64QAM	25	12	20.47	20.56	20.67	20.58	20.57			
10	64QAM	25	37	20.53	20.49	20.57	20.50	20.54			
10	64QAM	50	0	20.58	20.63	20.69	20.54	20.56			
10	256QAM	1	0	18.36	18.37	18.36	18.36	18.35			
10	256QAM	1	25	18.20	18.23	18.46	18.25	18.30			
10	256QAM	1	49	18.01	18.21	18.23	18.24	18.03			
10	256QAM	1	74	18.55	18.38	18.44	18.38	18.43			
10	256QAM	25	12	18.32	18.42	18.37	18.34	18.29			
10	256QAM	25	37	18.29	18.35	18.34	18.29	18.30			
10	256QAM	50	0	18.30	18.31	18.41	18.25	18.36			
10	256QAM	50	25	18.45	18.48	18.48	18.45	18.48			
Channel											
Frequency (MHz)											
5	QPSK	1	0	21.60	21.50	21.50	21.60	21.50		23.00	0
5	QPSK	1	12	21.80	21.74	22.00	21.67	21.84			
5	QPSK	1	24	21.62	21.61	21.66	21.62	21.73			
5	QPSK	12	0	21.80	21.67	21.61	21.65	21.68			
5	QPSK	12	7	21.68	21.69	21.71	21.73	21.70			
5	QPSK	24	0	21.64	21.65	21.65	21.64	21.65			
5	QPSK	25	0	21.75	21.61	21.68	21.66	21.89			
5	16QAM	1	0	21.71	21.75	21.67	21.75	21.67			
5	16QAM	1	12	21.68	21.68	21.68	21.68	21.68			
5	16QAM	1	24	21.75	21.65	21.68	21.62	21.63			
5	16QAM	12	7	21.67	21.67	21.67	21.67	21.68			
5	16QAM	12	7	21.27	21.33	21.33	21.27	21.34			
5	16QAM	25	0	21.23	21.33	21.36	21.28	21.31			
5	64QAM	1	0	21.44	21.33	21.36	21.48	21.31			
5	64QAM	1	12	21.40	21.40	21.40	21.40	21.39			
5	64QAM	1	24	20.80	20.59	20.74	20.73	20.61			
5	64QAM	12	7	20.49	20.49	20.57	20.49	20.57			
5	64QAM	12	13	20.49	20.51	20.57	20.54	20.45			
5	64QAM	25	0	20.59	20.59	20.76	20.57	20.60			
5	256QAM	1	0	18.28	18.24	18.27	18.27	18.44			
5	256QAM	1	12	18.26	18.24	18.48	18.21	18.30			
5	256QAM	1	24	18.10	18.27	18.25	18.18	18.00			
5	256QAM	1	36	18.52	18.38	18.42	18.38	18.50			
5	256QAM	12	7	18.27	18.37	18.54	18.31	18.24			
5	256QAM	12	13	18.27	18.21	18.36	18.34	18.36			
5	256QAM	25	0	18.42	18.38	18.44	18.41	18.48			

Band 41 PC2 FCC&IC DSI5_Simultaneous Ant 3																
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid Ch / Freq	Power High-Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)						
Channel																
Frequency (MHz)																
20	QPSK	1	0	23.48	23.39	23.51	23.39	23.32	24.6	0						
20	QPSK	1	49	23.35	23.17	23.39	23.39	23.19								
20	QPSK	50	0	23.16	23.21	23.49	23.43	23.29								
20	QPSK	50	24	23.04	22.91	23.15	23.12	22.95								
20	QPSK	50	49	22.92	22.87	23.04	22.97	22.87	24.6	0						
20	QPSK	100	0	23.01	23.04	23.19	23.01	22.94								
20	16QAM	1	0	23.24	23.33	23.50	23.35	23.32								
20	16QAM	50	24	23.04	23.10	23.14	23.05	22.94								
20	16QAM	100	0	23.07	23.23	23.33	23.17	23.03	24.6	0						
20	16QAM	50	50	23.07	23.14	23.30	23.07	22.99								
20	64QAM	100	0	23.17	23.19	23.39	23.21	23.14								
20	64QAM	50	24	23.14	23.29	23.36	23.25	23.07								
20	64QAM	100	50	23.02	23.14	23.15	23.21	23.01	24.6	0						
20	64QAM	50	0	23.27	23.38	23.39	23.25	23.17								
20	64QAM	50	24	23.20	23.35	23.29	23.26	23.12								
20	64QAM	100	0	23.22	23.36	23.31	23.25	23.11								
20	256QAM	1	0	22.23	22.32	22.43	22.29	22.23	23	1.6						
20	256QAM	1	49	22.22	22.24	22.43	22.28	22.21								
20	256QAM	1	99	22.06	22.17	22.21	22.21	22.17								
20	256QAM	10	0	22.11	22.12	22.25	22.14	22.07								
20	256QAM	50	24	22.05	22.08	22.06	22.12	22.06	23	1.6						
20	256QAM	50	50	21.91	22.04	22.11	22.02	21.89								
Channel																
Frequency (MHz)																
15	QPSK	1	0	23.41	23.35	23.13	23.23	23.15	25	0						
15	QPSK	1	37	23.25	23.08	23.37	23.28	23.10								
15	QPSK	1	74	23.13	23.07	23.37	23.32	23.15								
15	QPSK	36	0	23.09	23.08	23.22	23.03	23.00								
15	QPSK	36	20	22.98	22.84	23.11	23.09	22.82	24.6	0						
15	QPSK	75	0	22.98	22.89	22.98	22.89	22.82								
15	QPSK	75	0	22.94	22.89	23.12	22.94	22.82								
15	16QAM	1	0	23.19	23.27	23.46	23.27	23.20								
15	16QAM	1	37	23.11	23.21	23.34	23.19	23.12	24.6	0						
15	16QAM	1	74	22.97	23.16	23.27	23.09	22.95								
15	16QAM	36	0	22.98	23.03	23.22	22.98	22.96								
15	16QAM	36	20	23.02	23.05	23.03	23.00	22.98								
15	16QAM	36	39	22.79	22.98	23.04	22.89	22.87	24.6	0						
15	16QAM	75	0	22.83	23.01	23.23	22.80	22.89								
15	64QAM	1	0	23.15	23.12	23.26	23.19	23.01								
15	64QAM	1	37	23.05	23.17	23.26	23.12	23.04								
15	64QAM	1	74	22.89	23.01	23.05	23.11	22.91	24.6	0						
15	64QAM	36	0	23.14	23.26	23.30	23.22	23.14								
15	64QAM	36	20	23.15	23.28	23.25	23.21	23.10								
15	64QAM	36	39	22.92	23.02	23.08	22.89	22.92								
15	64QAM	75	0	23.13	23.31	23.19	23.14	23.05	23	1.6						
15	256QAM	1	0	22.13	22.20	22.31	22.16	22.12								
15	256QAM	1	37	22.15	22.12	22.34	22.15	22.14								
15	256QAM	1	74	22.00	22.09	22.18	22.16	22.06								
15	256QAM	36	0	21.97	22.00	22.17	22.11	21.93	23	1.6						
15	256QAM	36	20	21.94	22.05	22.10	22.05	22.05								
15	256QAM	36	39	21.63	21.90	22.07	21.89	21.63								
15	256QAM	75	0	21.69	22.08	22.22	22.01	21.95								
Channel																
Frequency (MHz)																
10	QPSK	1	0	23.46	23.37	23.17	23.27	23.19	25	0						
10	QPSK	1	25	23.28	23.14	23.35	23.30	23.13								
10	QPSK	1	49	23.10	23.18	23.45	23.39	23.07								
10	QPSK	25	0	22.99	22.98	23.23	23.15	23.03								
10	QPSK	25	12	22.92	22.78	23.06	23.03	22.91	24.6	0						
10	QPSK	25	25	22.85	22.86	22.93	22.85	22.90								
10	QPSK	25	49	22.80	22.80	23.09	23.02	22.89								
10	16QAM	1	0	23.16	23.20	23.44	23.24	23.29								
10	16QAM	1	25	23.16	23.24	23.29	23.07	23.17	24.6	0						
10	16QAM	1	49	22.96	23.15	23.26	23.07	22.98								
10	16QAM	25	0	23.02	23.08	23.17	22.95	22.97								
10	16QAM	25	12	22.97	23.04	23.08	22.86	22.85								
10	16QAM	25	25	22.80	22.95	23.02	22.80	22.84	24.6	0						
10	16QAM	50	0	22.94	22.94	23.17	22.97	22.94								
10	64QAM	1	0	23.14	23.14	23.37	23.11	23.04								
10	64QAM	1	25	23.11	23.18	23.23	23.19	23.01								
10	64QAM	1	49	22.90	23.12	23.08	23.15	22.83	24.6	0						
10	64QAM	25	0	23.24	23.29	23.33	23.22	23.06								
10	64QAM	25	12	23.15	23.25	23.21	23.20	23.07								
10	64QAM	25	25	22.83	23.08	23.12	23.06	23.00								
10	256QAM	1	0	22.13	22.31	23.19	23.16	23.01	23	1.6						
10	256QAM	1	25	22.13	22.29	22.34	22.16	22.14								
10	256QAM	1	25	22.15	22.13	22.38	22.14	22.14								
10	256QAM	1	49	21.99	22.05	22.12	22.15	22.05								
10	256QAM	25	0	22.07	22.81	23.17	22.11	22.03	23	1.6						
10	256QAM	25	12	21.99	22.03	23.16	22.07	22.00								
10	256QAM	25	25	21.85	21.97	22.05	21.95	21.81								
10	256QAM	50	0	21.94	22.05	22.11	22.05	21.97								
Channel																
Frequency (MHz)																
5	QPSK	1	0	23.46	23.25	23.35	23.23	23.09	25	0						
5	QPSK	1	16	23.20	23.13	23.30	23.25	23.09								
5	QPSK	1	24	23.07	23.13	23.39	23.31	23.18								
5	QPSK	12	0	22.97	23.06	23.21	23.09	22.97								
5	QPSK	12	7	22.96	22.83	23.09	23.09	22.87	24.6	0						
5	QPSK	12	19	22.86	22.90	22.99	22.89	22.83								
5	QPSK	25	0	22.94	22.93	23.08	22.93	22.85	24.6	0						
5	16QAM	1	0	23.20	23.29	23.48	23.29	23.19								
5	16QAM	1	16	23.07	23.15	23.41	23.33	23.17								
5	16QAM	1	24	22.96	23.11	23.19	23.09	22.99								
5	16QAM	12	0	22.96	23.12	23.26	23.12	23.01	24.6	0						
5	16QAM	12	7	22.94	23.05	23.12	23.06	22.93								
5	16QAM	12	19	22.80	22.96	22.98	22.87	22.82								
5	16QAM	25	0	22.91	23.02	23.08	22.93	22.86								
5	64QAM	1	0	23.08	23.10	23.32	23.15	23.01	24.6	0						
5	64QAM	1	16	23.07	23.23	23.25	23.16	23.01								
5	64QAM	1	24	22.98	23.06	23.14	23.02	22.92								
5	64QAM	12	0	23.20	23.34	23.35	23.19	23.13								
5	64QAM	12	7	23.10	23.28	23.32	23.21	23.05	24.6	0						
5	64QAM	12	19	23.00	23.08	23.10	23.00	22.92								
5	64QAM	25	0	23.11	23.27	23.30	23.16	23.03								
5	256QAM	1	0	22.18	22.26	22.37	22.22	22.19								
5	256QAM	1	16	22.14	22.15	22.32	22.14	22.13	23	1.6						
5	256QAM	1	24	21.98	22.07	22.09	22.12	22.12								
5	256QAM	12	0	21.97	22.01	22.17	22.12	21.93								
5	256QAM	12	7	21.94	21.99	21.92	21.91	21.90								
5	256QAM	12	19	21.84	21.84	22.05	21.85	21.86	23	1.6						



Reduced Power Mode for DSIE-Standalone

DCDC1000 A-001						
DCDC1000 A-001						
Item	DCDC1000 A-001	DCDC1000 A-001	DCDC1000 A-001	DCDC1000 A-001	DCDC1000 A-001	DCDC1000 A-001
TX Channel	128	180	201	128	180	201
Frequency (MHz)	584.2	856.4	868.8	804.2	836.4	868.8
OPRR-1 Tx Min	32.90	32.97	32.84	33.50	23.80	23.97
OPRR-1 Tx Max	32.83	32.90	32.81	33.50	23.83	23.94
OPRR-2 Tx Min	29.30	29.41	29.28	30.50	23.30	23.41
OPRR-2 Tx Max	29.30	29.41	29.28	30.50	23.30	23.41
OPRR-3 Tx Min	28.91	28.95	28.86	30.00	24.61	24.66
OPRR-3 Tx Max	28.41	28.41	28.40	27.50	24.41	24.40
EDGE-1 Tx Min	25.40	25.40	25.37	26.50	18.40	18.37
EDGE-1 Tx Max	23.77	23.80	23.79	20.00	17.77	17.79
EDGE-2 Tx Min	22.86	22.89	22.82	23.50	18.40	18.39
EDGE-2 Tx Max	20.50	20.50	20.50	21.50	17.50	17.50
DCDC1000 A-001						
DCDC1000 A-001						
Item	DCDC1000 A-001	DCDC1000 A-001	DCDC1000 A-001	DCDC1000 A-001	DCDC1000 A-001	DCDC1000 A-001
TX Channel	512	860	860	512	860	860
Frequency (MHz)	27.41	27.40	27.47	18.50	18.50	18.50
OPRR-1 Tx Min	27.41	27.40	27.47	18.50	18.50	18.50
OPRR-1 Tx Max	27.41	27.40	27.47	18.50	18.50	18.50
OPRR-2 Tx Min	24.84	24.84	24.83	18.54	18.54	18.54
OPRR-2 Tx Max	23.53	23.53	23.53	18.07	18.11	18.07
OPRR-3 Tx Min	20.70	20.70	20.68	17.70	17.75	17.68
EDGE-1 Tx Min	22.70	22.67	22.73	19.70	19.67	19.73
EDGE-2 Tx Min	21.00	21.00	21.11	22.00	18.00	18.11
EDGE-3 Tx Min	20.00	20.12	20.04	21.00	15.41	15.70
EDGE-4 Tx Min	17.86	18.00	18.04	18.00	15.00	15.04
WCDMA II A-001						
WCDMA II A-001						
Item	WCDMA II A-001	WCDMA II A-001	WCDMA II A-001	WCDMA II A-001	WCDMA II A-001	WCDMA II A-001
TX Channel	5002	9400	9308	1312	1410	1513
SA Channel	9602	9600	9608	1332	1408	1398
Frequency (MHz)	1820.4	1880	1867.6	1710.4	1721.6	1709.6
SCPP Pwr 00	22.07	22.02	22.53	22.00	22.00	22.00
SCPP Pwr 01	20.42	20.50	20.57	22.00	20.45	20.41
SCPP Pwr 02	19.72	19.75	19.70	21.00	19.68	19.50
SCPP Pwr 03	19.08	19.71	19.65	21.00	19.52	19.50
SCPP Pwr 04	19.19	19.20	19.21	20.50	19.00	19.11
SCPP Pwr 05	19.15	19.15	19.21	20.50	19.00	19.00
SCPP Pwr 06	19.70	19.65	19.64	21.00	19.68	19.48
SCPP Pwr 07	19.50	19.50	19.54	21.00	19.55	19.55
SCPP Pwr 08	19.08	19.12	19.05	20.50	19.00	19.00
SCPP Pwr 09	19.02	19.15	19.12	20.50	19.00	19.01
SCPP Pwr 10	19.06	19.71	19.70	21.00	19.68	19.61
SCPP Pwr 11	17.71	17.70	17.64	18.00	17.60	17.61
SCPP Pwr 12	19.60	19.71	19.70	20.00	19.62	19.60
SCPP Pwr 13	17.61	17.60	17.57	18.00	17.61	17.48
SCPP Pwr 14	19.04	19.00	19.52	21.00	19.53	19.48



Band 2 Ant0									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Fires	Power High Ch./Fires	Power Low Ch./Fires	Turn-up time (sec)	MPP (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.11	23.16	23.07			
20	QPSK	3	49	22.52	22.52	22.54			
20	QPSK	1	99	22.99	23.07	22.97	24	0	
20	QPSK	50	0	22.98	23.13	23.05			
20	QPSK	36	24	22.98	23.08	22.98	24	0	
20	QPSK	50	50	22.92	23.04	22.96			
20	QPSK	100	0	22.99	23.05	22.91			
20	16QAM	1	0	22.95	22.95	22.95			
20	16QAM	1	49	22.85	22.98	22.90	24	0	
20	16QAM	1	99	22.70	22.85	22.80			
20	16QAM	50	0	22.55	22.52	22.54			
20	16QAM	50	24	22.34	22.48	22.34	23.5	0.5	
20	16QAM	50	50	22.30	22.42	22.21			
20	16QAM	100	0	22.30	22.32	22.27			
20	16QAM	1	0	22.72	22.82	22.72	23.5	0.5	
20	16QAM	1	49	22.68	22.76	22.61			
20	16QAM	1	99	22.20	22.35	22.46			
20	16QAM	50	0	21.84	21.71	21.58			
20	16QAM	50	24	21.46	21.35	21.30	22.5	1.5	
20	16QAM	50	50	21.42	21.46	21.35			
20	16QAM	100	0	21.43	21.52	21.38			
20	256QAM	1	49	19.52	19.58	19.50	20.5	3.5	
20	256QAM	1	99	19.56	19.62	19.57			
20	256QAM	50	0	19.60	19.67	19.60			
20	256QAM	50	24	19.60	19.73	19.63	20.5	3.5	
20	256QAM	50	50	19.70	19.81	19.78			
20	256QAM	100	0	19.57	19.67	19.57			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.675	18.660	18.725	Infinite	MPP (dB)	
15	QPSK	1	0	23.03	23.10	22.89			
15	QPSK	3	49	22.37	22.79	22.80	24	0	
15	QPSK	1	74	22.91	22.95	22.83			
15	QPSK	50	0	22.87	22.99	22.80			
15	QPSK	36	24	22.81	22.94	22.87	24	0	
15	QPSK	50	50	22.87	22.96	22.82			
15	16QAM	1	0	22.91	23.00	22.89			
15	16QAM	1	49	22.80	22.90	22.79	24	0	
15	16QAM	1	99	22.77	22.86	22.83			
15	16QAM	50	0	22.50	22.56	22.45			
15	16QAM	50	24	22.21	22.37	22.28	23.5	0.5	
15	16QAM	50	50	22.20	22.25	22.45			
15	16QAM	100	0	22.50	22.52	22.45			
15	16QAM	1	0	22.51	22.57	22.48	23.5	0.5	
15	16QAM	1	49	22.32	22.44	22.32			
15	16QAM	1	99	22.20	22.31	22.28			
15	16QAM	50	0	21.82	21.86	21.78			
15	16QAM	50	24	21.39	21.40	21.36	22.5	1.5	
15	16QAM	50	50	21.33	21.41	21.31			
15	256QAM	1	49	19.74	19.85	19.80	20.5	3.5	
15	256QAM	1	99	19.77	19.78	19.72			
15	256QAM	50	0	19.81	19.82	19.80			
15	256QAM	50	24	19.76	19.80	19.73	20.5	3.5	
15	256QAM	50	50	19.72	19.74	19.74			
15	256QAM	100	0	19.83	19.87	19.83			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.02	23.14	23.06			
10	QPSK	3	49	22.83	23.08	23.01	24	0	
10	QPSK	1	74	22.82	22.95	22.86			
10	QPSK	50	0	22.87	23.03	23.01			
10	QPSK	36	24	22.81	22.96	22.88	24	0	
10	QPSK	50	50	22.86	22.93	22.82			
10	16QAM	1	0	22.85	22.94	22.84			
10	16QAM	1	49	22.83	22.94	22.72	24	0	
10	16QAM	1	99	22.72	22.87	22.82			
10	16QAM	50	0	22.52	22.57	22.82			
10	16QAM	50	24	22.22	22.34	22.27	23.5	0.5	
10	16QAM	50	50	22.21	22.24	22.28			
10	16QAM	100	0	22.59	22.61	22.68			
10	16QAM	1	0	22.59	22.68	22.68	23.5	0.5	
10	16QAM	1	49	22.32	22.44	22.32			
10	16QAM	1	99	22.20	22.31	22.28			
10	16QAM	50	0	21.82	21.86	21.78			
10	16QAM	50	24	21.39	21.40	21.36	22.5	1.5	
10	16QAM	50	50	21.33	21.41	21.31			
10	256QAM	1	49	19.74	19.85	19.80	20.5	3.5	
10	256QAM	1	99	19.77	19.78	19.72			
10	256QAM	50	0	19.81	19.82	19.80			
10	256QAM	50	24	19.76	19.80	19.73	20.5	3.5	
10	256QAM	50	50	19.72	19.74	19.74			
10	256QAM	100	0	19.83	19.87	19.83			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.01	23.02	22.95			
5	QPSK	1	8	22.89	22.91	22.86	24	0	
5	QPSK	1	14	22.98	22.95	22.83			
5	QPSK	5	0	22.91	23.06	22.97			
5	QPSK	8	4	22.83	23.04	22.92	24	0	
5	QPSK	8	7	22.86	22.99	22.83			
5	QPSK	15	0	22.87	22.98	22.82			
5	16QAM	1	0	22.85	22.96	22.83			
5	16QAM	1	8	22.71	22.87	22.78	24	0	
5	16QAM	1	14	22.89	22.74	22.85			
5	16QAM	5	0	22.41	22.67	22.60			
5	16QAM	8	4	22.23	22.41	22.24	23.5	0.5	
5	16QAM	1	0	22.59	22.77	22.67			
5	16QAM	1	8	22.55	22.67	22.64	23.5	0.5	
5	16QAM	1	14	22.42	22.43	22.38			
5	16QAM	5	0	21.36	21.39	21.27	22.5	1.5	
5	16QAM	8	4	21.34	21.44	21.30			
5	16QAM	15	0	19.77	19.76	19.69	20.5	3.5	
5	16QAM	1	0	19.76	19.76	19.76			
5	16QAM	5	0	19.76	19.76	19.76	20.5	3.5	
5	16QAM	1	14	19.52	19.58	19.51			
5	16QAM	8	4	19.71	19.75	19.75			
5	16QAM	15	0	19.69	19.69	19.69	20.5	3.5	
5	16QAM	8	7	19.60	19.66	19.59			
5	256QAM	15	0	19.63	19.70	19.59	Infinite	MPP (dB)	
5	256QAM	1	0	18.675	18.660	18.675	Infinite	MPP (dB)	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.04	23.11	23.01			
1.4	QPSK	3	49	22.82	23.02	22.83	24	0	
1.4	QPSK	1	5	22.86	22.99	22.85			
1.4	QPSK	3	8	22.85	23.08	23.01			
1.4	QPSK	1	10	22.85	23.04	22.84			
1.4	QPSK	3	3	22.78	22.94	22.84			
1.4	QPSK	6	0	22.84	23.00	22.90	24	0	
1.4	QPSK	1	20	22.81	22.95	22.87			
1.4	QPSK	3	3	22.82	22.86	22.78			
1.4	QPSK	6	6	22.86	23.03	22.90			
1.4	QPSK	1	20	22.81	22.95	22.87	24	0	
1.4	16QAM	1	3	22.78	22.88	22.80			
1.4	16QAM	1	3	22.81	22.77	22.73	23.5	0.5	
1.4	16QAM	3	20	22.81	22.82	22.83			
1.4	16QAM	1	0	22.19	22.34	22.24			
1.4	16QAM	3	0	22.25	22.45	22.31			
1.4	16QAM	1	0	22.58	22.77	22.63	23.5	0.5	
1.4	16QAM	3	0	22.63	22.82	22.69			
1.4	16QAM	3	0	21.53	21.61	21.43	22.5	1.5	
1.4	16QAM	3	0	19.77	19.82	19.80			
1.4	16QAM	3	0	19.77	19.85	19.49	20.5	3.5	
1.4	16QAM	3	0	19.77	19.82	19.82			
1.4	16QAM	3	0	19.47	19.66	19.54			
1.4	16QAM	3	0	19.62	19.75	19.72	20.5	3.5	



Band 12 Ant0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-on Int. (dBm)	MPE (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.84	22.92	22.79		24	0		
10	QPSK	1	25	22.76	22.81	22.84					
10	QPSK	1	49	22.80	22.88	22.82					
10	QPSK	25	0	22.63	22.62	22.72					
10	QPSK	25	12	22.59	22.68	22.81		24	0		
10	QPSK	25	25	22.56	22.60	22.63					
10	QPSK	50	0	22.65	22.77	22.62					
10	16QAM	1	0	22.54	22.72	22.69					
10	16QAM	1	25	22.54	22.59	22.58	24	24	0		
10	16QAM	1	49	22.44	22.35	22.41					
10	16QAM	25	0	22.35	22.51	22.41					
10	16QAM	25	12	22.32	22.43	22.28	23.5				
10	16QAM	25	25	22.30	22.39	22.26		23.5	0.5		
10	16QAM	50	0	22.37	22.47	22.28					
10	84QAM	1	0	22.26	22.41	22.29	23.5				
10	84QAM	1	25	22.14	22.25	22.19	23.5				
10	84QAM	1	49	22.10	22.22	22.16		22.5	1.5		
10	84QAM	25	0	21.54	21.67	21.50					
10	84QAM	25	12	21.44	21.58	21.51	22.5				
10	84QAM	25	25	21.38	21.44	21.44					
10	84QAM	50	0	21.43	21.54	21.41		20.5	3.5		
10	256QAM	1	25	19.33	19.40	19.35	20.5				
10	256QAM	1	49	19.30	19.33	19.28					
10	256QAM	25	0	19.34	19.31	19.31					
10	256QAM	25	12	19.29	19.34	19.30	20.5				
10	256QAM	25	25	19.29	19.33	19.22		20.5	3.5		
10	256QAM	50	0	19.23	19.45	19.26					
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.77	22.86	22.74		24	0		
5	QPSK	1	12	22.63	22.69	22.56					
5	QPSK	1	24	22.47	22.54	22.47					
5	QPSK	12	0	22.50	22.75	22.58					
5	QPSK	12	7	22.45	22.55	22.61		24	0		
5	QPSK	12	13	22.53	22.45	22.51					
5	QPSK	25	0	22.46	22.69	22.56					
5	16QAM	1	0	22.42	22.42	22.45					
5	16QAM	1	12	22.50	22.48	22.47	24	24	0		
5	16QAM	1	24	22.33	22.32	22.36					
5	16QAM	12	0	22.30	22.47	22.28					
5	16QAM	12	7	22.28	22.33	22.19	23.5				
5	16QAM	12	13	22.48	22.43	22.45		22.5	1.5		
5	16QAM	25	0	22.31	22.34	22.19					
5	84QAM	1	0	22.25	22.30	22.22	23.5				
5	84QAM	1	12	22.10	22.10	22.10					
5	84QAM	1	24	21.98	22.07	22.07		22.5	1.5		
5	84QAM	12	0	21.48	21.63	21.41					
5	84QAM	12	7	21.34	21.53	21.42					
5	84QAM	12	13	21.29	21.32	21.33					
5	84QAM	25	0	21.33	21.48	21.34		20.5	3.5		
5	256QAM	1	0	19.35	19.45	19.31					
5	256QAM	1	12	19.21	19.31	19.29	20.5				
5	256QAM	1	24	19.17	19.23	19.16					
5	256QAM	12	0	19.16	19.26	19.26		20.5	3.5		
5	256QAM	12	7	19.22	19.27	19.27					
5	256QAM	12	13	19.07	19.21	19.11					
5	256QAM	25	0	19.13	19.31	19.12					
Channel											
Frequency (MHz)											
3	QPSK	1	0	22.76	22.81	22.72		24	0		
3	QPSK	1	8	22.70	22.76	22.60					
3	QPSK	1	14	22.53	22.54	22.57					
3	QPSK	8	0	22.49	22.79	22.57					
3	QPSK	8	4	22.51	22.61	22.48		24	0		
3	QPSK	8	7	22.49	22.49	22.67					
3	QPSK	14	0	22.54	22.73	22.67					
3	16QAM	1	0	22.39	22.50	22.47					
3	16QAM	1	8	22.48	22.48	22.48	24	24	0		
3	16QAM	1	14	22.36	22.44	22.38					
3	16QAM	8	0	22.26	22.44	22.28					
3	16QAM	8	4	22.23	22.37	22.16	23.5				
3	16QAM	8	7	22.22	22.32	22.20		23.5	0.5		
3	16QAM	15	0	22.23	22.35	22.19					
3	84QAM	1	0	22.23	22.28	22.17					
3	84QAM	1	8	22.02	22.10	22.09					
3	84QAM	1	14	22.00	22.15	22.04		22.5	1.5		
3	84QAM	8	0	21.45	21.61	21.40					
3	84QAM	8	4	21.40	21.48	21.37					
3	84QAM	8	7	21.35	21.36	21.33					
3	84QAM	15	0	21.37	21.50	21.31		20.5	3.5		
3	256QAM	1	0	19.28	19.41	19.25					
3	256QAM	1	8	19.26	19.31	19.24	20.5				
3	256QAM	1	14	19.23	19.30	19.21					
3	256QAM	8	0	19.18	19.40	19.25					
3	256QAM	8	4	19.18	19.22	19.18	20.5	20.5	3.5		
3	256QAM	8	7	19.06	19.22	19.07					
3	256QAM	15	0	19.18	19.40	19.14					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	22.76	22.83	22.75		24	0		
1.4	QPSK	1	3	22.65	22.67	22.51					
1.4	QPSK	1	5	22.48	22.57	22.53					
1.4	QPSK	3	0	22.50	22.67	22.67					
1.4	QPSK	3	1	22.54	22.55	22.56		24	0		
1.4	QPSK	3	3	22.44	22.54	22.57					
1.4	QPSK	8	0	22.58	22.73	22.56					
1.4	16QAM	1	0	22.50	22.62	22.56					
1.4	16QAM	1	3	22.49	22.46	22.50	24	24	0		
1.4	16QAM	1	5	22.45	22.48	22.43					
1.4	16QAM	3	0	22.47	22.60	22.66					
1.4	16QAM	3	1	22.49	22.45	22.47					
1.4	16QAM	3	3	22.37	22.48	22.40		23.5	0.5		
1.4	16QAM	8	0	22.17	22.30	22.14	23.5				
1.4	84QAM	1	0	22.33	22.41	22.29					
1.4	84QAM	1	3	22.22	22.40	22.17					
1.4	84QAM	1	5	22.13	22.33	22.16	23.5	0.5	1.5		
1.4	84QAM	3	0	22.06	22.21	22.09					
1.4	84QAM	3	1	21.99	22.16	22.05					
1.4	84QAM	3	3	22.22	22.28	22.16					
1.4	84QAM	8	0	21.40	21.60	21.41	22.5	1.5	3.5		
1.4	256QAM	1	0	19.29	19.47	19.32					
1.4	256QAM	1	3	19.21	19.31	19.24	20.5				
1.4	256QAM	1	5	19.22	19.27	19.23					
1.4	256QAM	3	0	19.18	19.37	19.34	20.5	20.5	3.5		
1.4	256QAM	3	1	19.16	19.21	19.24					
1.4	256QAM	8	0	19.15	19.21	19.09					
1.4	256QAM	8	5	19.17	19.35	19.15	20.5				

Band 13 Ant0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-on Int. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.07			24	0				
10	QPSK	1	25	22.04								
10	QPSK	1	49	22.92								
10	QPSK	25	0	22.98								
10	QPSK	25	12	22.85			24	0				
10	QPSK	25	25	22.82								
10	QPSK	50	0	22.95								
10	16QAM	1	0	22.99								
10	16QAM	1	25	22.86			24	0				
10	16QAM	1	49	22.79								
10	16QAM	25	0	22.74								
10	16QAM	25	12	22.82								
10	16QAM	25	25	22.84			23.5	0.5				
10	16QAM	50	0	22.70								
10	84QAM	1	0	22.62								
10	84QAM	1	25	22.41			23.5	0.5				
10	84QAM	1	49	22.49								
10	84QAM	25	0	22.55								
10	84QAM	25	12	21.77			22.5	1.5				
10	84QAM	25	25	21.67								
10	84QAM	50	0	21.77								
10	256QAM	1	0	19.82			20.5	3.5				
10	256QAM	1	25	19.62								
10	256QAM	1	49	19.55								
10	256QAM	25	0	19.69			20.5	3.5				
10	256QAM	25	12	19.58								
10	256QAM	25	25	19.58								
10	256QAM	50	0	19.68			20.5	3.5				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.05	22.02	22.03	24	0				
10	QPSK	1	12	22.29	22.00	22.52						
10	QPSK	1	24	22.34	21.88	22.90						
10	QPSK	12	0	22.55	22.84	22.93						
10	QPSK	12	7	22.77	22.71	22.73	24	0				
10	QPSK	12	19	22.71	22.76	22.78						
10	QPSK	12	31	22.88	22.91	22.91						
10	QPSK	12	43	22.86	22.91	22.91						
10	16QAM	1	0	22.86	22.80	22.87	24	0				
10	16QAM	1	12	22.72	22.78	22.71						
10	16QAM	1	24	22.87	22.80	22.74						
10	16QAM	12	0	22.62	22.90	22.65						
10	16QAM	12	13	22.69	22.86	22.68	23.5	0.5				
10	16QAM	12	13	22.43	22.48	22.45						
10	16QAM	25	0	22.67	22.66	22.63						
10	16QAM	25	0	22.63	22.65	22.67						
10	84QAM	1	12	22.33	22.32	22.27	23.5	0.5				
10	84QAM	1	24	22.39	22.42	22.45						
10	84QAM	12	0	21.79	21.83	21.80						
10	84QAM	12	0	21.62	21.68	21.70						
10	84QAM	12	19	21.61	21.55	21.59	22.5	1.5				
10	84QAM	25	0	21.71	21.66	21.73						
10	84QAM	25	0	19.77	19.78	19.78						
10	256QAM	1	12	19.56	19.48	19.51						
10	256QAM	1	24	19.61	19.48	19.59	20.5	3.5				
10	256QAM	12	0	19.59	19.55	19.64						
10	256QAM	12	19	19.55	19.52	19.53						
10	256QAM	12	15	19.46	19.43	19.52						
10	256QAM	25	0	19.47	19.46	19.50	20.5	3.5				
10	256QAM	25	12	19.46	19.43	19.48						
10	256QAM	25	25	19.46	19.43	19.48						

Band 25 Ant0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Mod Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Turn-up Intvl (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.16	23.21	23.16			24	0		
20	QPSK	1	40	23.03	23.03	23.03						
20	QPSK	1	80	22.87	22.91	22.83						
20	QPSK	50	0	23.00	23.15	23.05						
20	QPSK	50	24	22.85	23.03	22.85			24	0		
20	QPSK	50	50	22.88	22.99	22.86						
20	QPSK	100	0	22.91	23.01	22.92						
20	16QAM	1	0	22.96	23.09	22.91						
20	16QAM	1	40	22.94	22.99	22.95			24	0		
20	16QAM	1	80	22.81	22.87	22.80						
20	16QAM	50	24	22.79	22.93	22.85						
20	16QAM	50	50	22.81	22.72	22.70						
20	16QAM	100	0	22.82	22.95	22.81			23.5	0.5		
20	64QAM	1	0	22.86	23.05	22.91						
20	64QAM	1	40	22.79	22.96	22.87						
20	64QAM	50	0	21.82	21.95	21.79						
20	64QAM	50	24	21.78	21.79	21.74			22.5	1.5		
20	64QAM	50	50	21.73	21.82	21.75						
20	64QAM	100	0	21.69	21.66	21.64						
20	256QAM	1	40	19.79	19.90	19.83						
20	256QAM	1	80	19.77	19.85	19.78			20.5	3.5		
20	256QAM	50	24	19.77	19.90	19.74						
20	256QAM	50	50	19.70	19.74	19.71						
20	256QAM	100	0	19.62	19.74	19.65						
Channel												
Frequency (MHz)												
15	QPSK	1	0	18.07	18.00	18.07			24		0	
15	QPSK	1	40	23.05	23.13	23.04						
15	QPSK	1	74	22.84	22.90	22.87						
15	QPSK	36	0	22.84	23.01	22.95						
15	QPSK	36	36	22.82	22.98	22.85			24	0		
15	QPSK	75	0	22.87	22.98	22.79						
15	16QAM	1	0	22.92	22.98	22.84						
15	16QAM	1	37	22.81	22.87	22.85						
15	16QAM	36	0	22.88	22.79	22.84			23.5	0.5		
15	16QAM	36	20	22.70	22.81	22.66						
15	16QAM	36	20	22.68	22.66	22.62						
15	16QAM	75	0	22.49	22.63	22.55						
15	64QAM	1	0	22.74	22.80	22.77			22.5	1.5		
15	64QAM	1	37	22.65	22.65	22.65						
15	64QAM	36	0	21.74	21.85	21.65						
15	64QAM	36	36	21.68	21.70	21.55						
15	64QAM	75	0	21.55	21.54	21.60			20.5	3.5		
15	256QAM	1	40	19.76	19.96	19.85						
15	256QAM	1	37	19.75	19.79	19.79						
15	256QAM	1	74	19.67	19.70	19.73						
15	256QAM	50	24	19.78	19.83	19.80			20.5	3.5		
15	256QAM	50	24	19.69	19.87	19.80						
15	256QAM	50	50	19.57	19.70	19.61						
15	256QAM	75	0	19.15	19.67	19.55						
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.03	23.07	23.03			24	0		
10	QPSK	1	25	22.94	22.92	22.98						
10	QPSK	1	40	22.90	22.95	22.90						
10	QPSK	25	0	22.90	23.04	22.90						
10	QPSK	25	12	22.87	22.89	22.83			24	0		
10	QPSK	25	25	22.84	22.85	22.71						
10	QPSK	50	0	22.80	22.88	22.80						
10	16QAM	1	0	22.90	22.95	22.83						
10	16QAM	1	25	22.81	22.81	22.88			24	0		
10	16QAM	1	40	22.88	22.78	22.84						
10	16QAM	25	0	22.74	22.80	22.75						
10	16QAM	25	12	22.62	22.68	22.67						
10	16QAM	50	0	22.52	22.67	22.54			23.5	0.5		
10	16QAM	50	0	22.57	22.60	22.54						
10	64QAM	1	0	22.62	22.91	22.85						
10	64QAM	1	25	22.64	22.88	22.75						
10	64QAM	1	40	22.72	22.76	22.71			22.5	1.5		
10	64QAM	25	0	21.79	21.84	21.68						
10	64QAM	25	12	21.74	21.76	21.70						
10	64QAM	25	25	21.65	21.77	21.61						
10	256QAM	1	0	19.60	19.64	19.61			20.5	3.5		
10	256QAM	1	25	19.68	19.75	19.72						
10	256QAM	1	40	19.74	19.73	19.68						
10	256QAM	25	0	19.52	19.61	19.57						
10	256QAM	25	12	19.71	19.83	19.68			20.5	3.5		
10	256QAM	25	25	19.65	19.61	19.60						
10	256QAM	50	0	19.55	19.67	19.53						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.12	23.07	23.12			24	0		
5	QPSK	1	12	22.95	22.92	22.93						
5	QPSK	1	24	22.86	22.90	22.95						
5	QPSK	12	0	22.86	23.04	22.90						
5	QPSK	12	7	22.89	23.00	22.84			24	0		
5	QPSK	12	13	22.77	22.88	22.79						
5	QPSK	25	0	22.77	22.91	22.85						
5	16QAM	1	0	22.88	23.04	22.88						
5	16QAM	1	12	22.88	22.90	22.87			24	0		
5	16QAM	1	24	22.87	22.77	22.73						
5	16QAM	12	0	22.70	22.84	22.73						
5	16QAM	12	7	22.71	22.70	22.63						
5	16QAM	12	13	22.65	22.60	22.60			23.5	0.5		
5	16QAM	25	0	22.65	22.62	22.61						
5	64QAM	1	0	22.78	22.98	22.88						
5	64QAM	1	12	22.71	22.62	22.61						
5	64QAM	1	24	22.65	22.69	22.78			22.5	1.5		
5	64QAM	12	0	21.78	21.84	21.70						
5	64QAM	12	7	21.70	21.65	21.70						
5	64QAM	12	13	21.68	21.79	21.68						
5	256QAM	1	0	19.60	19.64	19.61			20.5	3.5		
5	256QAM	1	12	19.67	19.75	19.72						
5	256QAM	1	24	19.68	19.76	19.74						
5	256QAM	12	0	19.58	19.75	19.74						
5	256QAM	12	0	19.78	19.85	19.84			20.5	3.5		
5	256QAM	12	7	19.69	19.78	19.59						
5	256QAM	12	13	19.61	19.64	19.64						
5	256QAM	25	0	19.57	19.64	19.54						
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.02	23.15	23.13			24	0		
3	QPSK	1	8	22.85	22.95	22.96						
3	QPSK	1	14	22.94	22.93	22.99						
3	QPSK	8	0	22.94	23.05	22.95						
3	QPSK	8	4	22.80	22.97	22.81			24	0		
3	QPSK	8	7	22.75	22.84	22.78						
3	QPSK	16	0	22.83	22.98	22.89						
3	16QAM	1	0	22.84	23.02	22.85						
3	16QAM	1	8	22.89	22.86	22.87			24	0		
3	16QAM	1	14	22.77	22.75	22.66						
3	16QAM	8	0	22.65	22.87	22.79						
3	16QAM	8	4	22.65	22.65	22.67						
3	16QAM	8	14	22.67	22.68	22.60			23.5	0.5		
3	16QAM	16	0	22.48	22.60	22.53						
3	64QAM	1	0	22.75	22.92	22.81						
3	64QAM	1	8	22.66	22.91	22.76						
3	64QAM	1	14	22.65	22.72	22.69			22.5	1.5		
3	64QAM	8	0	21.67	21.80	21.62						
3	64QAM	8	4	21.67	21.74	21.67						
3	64QAM	8	14	21.63	21.53	21.58						
3	256QAM	1	0	19.76	19.96	19.85			20.5	3.5		
3	256QAM	1	8	19.76	19.88	19.87						
3	256QAM	1	14	19.69	19.72	19.71						
3	256QAM	8	0	19.60	19.83	19.80						
3	256QAM	8	7	19.62	19.71	19.65			20.5	3.5		
3	256QAM	8	14	19.53	19.63	19.57						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.12	23.12	23.12					24	0
1.4	QPSK	1	8	22.88	22.97	22.96						
1.4	QPSK	1	16	22.93	22.93	22.96						
1.4	QPSK	8	0	22.85	23.09	22.97						
1.4	QPSK	8	4	22.81	22.98	22.85			24	0		
1.4	QPSK	8	7	22.81	22.94	22.79						
1.4	QPSK	16	0	22.86	23.06	22.97						
1.4	16QAM	1	0	22.92	23.04	22.93						
1.4	16QAM	1	8	22.86	23.00	22.81			24	0		
1.4	16QAM	1	16	22.78	22.89	22.77						
1.4	16QAM	8	0	22.85	22.85	22.84						
1.4	16QAM	8	4	22.72	22.83	22.68						
1.4	16QAM	8	0	22.57	22.62	22.57			23.5	0.5		
1.4	16QAM	8	8	22.70	22.78	22.67						
1.4	16QAM	16	0	22.67	22.86	22.84						
1.4	16QAM	16	8	22.63	22.82	22.80						
1.4	64QAM	1	0	22.70	22.96	22.87			23.5	0.5		
1.4	64QAM	1	8	22.67	22.96	22.84						
1.4	64QAM	8	0	21.68	21.81	21.70						
1.4	64QAM	8	8	21.73	21.93	21.82						
1.4	256QAM	1	0	19.69	19.78	19.67			20.5	3.5		
1.4	256QAM	1	8	19.73	19.83	19.72						
1.4	256QAM	8	0	19.69	19.78	19.67						
1.4	256QAM	8	0	19.54	19.67	19.59						

Band 66 Ant0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 150072	Power Mid Ch / Freq. 150222	Power High Ch / Freq. 150312	Turn-up time (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.17	23.32	23.14	24	0						
20	QPSK	1	49	22.99	23.11	22.99								
20	QPSK	1	99	23.02	23.02	22.99								
20	QPSK	50	0	22.96	23.16	23.07								
20	QPSK	50	24	22.92	23.08	22.99	24	0						
20	QPSK	50	50	22.85	22.98	22.92								
20	QPSK	100	0	22.88	23.01	22.91								
20	16QAM	1	0	22.80	23.10	22.96								
20	16QAM	1	49	22.87	23.01	22.91	24	0						
20	16QAM	1	99	22.83	22.89	22.86								
20	16QAM	50	0	22.81	22.81	22.86								
20	16QAM	50	24	22.80	22.85	22.83								
20	16QAM	50	50	22.86	22.97	22.91	23.5	0.5						
20	16QAM	100	0	22.48	22.98	22.94								
20	16QAM	1	0	22.55	22.79	22.84								
20	16QAM	1	49	22.49	22.87	22.84								
20	16QAM	1	99	22.51	22.98	22.90	22.5	1.5						
20	16QAM	50	24	21.53	21.77	21.71								
20	16QAM	50	50	21.53	21.73	21.61								
20	16QAM	100	0	21.57	21.82	21.58								
20	256QAM	1	0	18.76	18.97	18.93	20.5	3.5						
20	256QAM	1	49	18.89	18.92	18.84								
20	256QAM	1	99	18.81	18.84	18.83								
20	256QAM	50	24	18.84	18.86	18.80								
20	256QAM	50	24	18.78	18.86	18.74	20.5	3.5						
20	256QAM	50	50	18.69	18.77	18.73								
20	256QAM	100	0	18.71	18.79	18.73								
Channel														
Frequency (MHz)														
15	QPSK	1	0	23.15	23.30	23.12	24	0						
15	QPSK	1	37	22.95	23.05	22.94								
15	QPSK	1	74	22.89	22.87	22.84								
15	QPSK	36	0	22.87	23.10	23.02								
15	QPSK	36	20	22.82	22.91	22.78	24	0						
15	QPSK	36	36	22.78	22.87	22.78								
15	QPSK	75	0	22.82	22.91	22.78								
15	16QAM	1	0	22.68	23.07	22.80								
15	16QAM	1	37	22.75	22.91	22.85	24	0						
15	16QAM	1	74	22.75	22.87	22.78								
15	16QAM	36	0	22.49	22.71	22.60								
15	16QAM	36	20	22.57	22.60	22.60								
15	16QAM	36	20	22.44	22.52	22.54	23.5	0.5						
15	16QAM	75	0	22.41	22.45	22.44								
15	16QAM	1	0	22.47	22.62	22.57								
15	16QAM	1	37	22.57	22.58	22.57								
15	16QAM	1	74	22.45	22.52	22.52	22.5	1.5						
15	16QAM	36	0	21.59	21.86	21.61								
15	16QAM	36	20	21.51	21.63	21.62								
15	16QAM	36	36	21.50	21.60	21.52								
15	16QAM	75	0	21.48	21.50	21.51	20.5	3.5						
15	256QAM	1	0	18.78	18.96	18.90								
15	256QAM	1	37	18.82	18.89	18.79								
15	256QAM	1	74	18.75	18.79	18.77								
15	256QAM	36	0	18.80	18.86	18.80	20.5	3.5						
15	256QAM	36	20	18.73	18.73	18.60								
15	256QAM	36	39	18.58	18.69	18.63								
15	256QAM	75	0	18.63	18.61	18.58								
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.10	23.25	23.07	24	0						
10	QPSK	1	25	22.94	23.02	22.89								
10	QPSK	1	49	22.88	22.96	22.82								
10	QPSK	36	0	22.84	22.96	22.87								
10	QPSK	35	12	22.80	23.01	22.95	24	0						
10	QPSK	25	25	22.81	22.87	22.86								
10	QPSK	36	0	22.74	22.96	22.87								
10	16QAM	1	0	22.68	23.07	22.85								
10	16QAM	1	25	22.81	22.83	22.80	24	0						
10	16QAM	1	49	22.76	22.79	22.73								
10	16QAM	25	0	22.57	22.76	22.55								
10	16QAM	25	12	22.51	22.59	22.59								
10	16QAM	35	24	22.52	22.50	22.44	23.5	0.5						
10	16QAM	50	0	22.35	22.53	22.41								
10	16QAM	1	0	22.45	22.68	22.57								
10	16QAM	1	24	22.41	22.52	22.42								
10	16QAM	1	49	22.43	22.52	22.43	22.5	1.5						
10	16QAM	25	0	21.56	21.75	21.61								
10	16QAM	25	12	21.50	21.68	21.60								
10	16QAM	25	25	21.54	21.57	21.57								
10	16QAM	50	0	21.42	21.52	21.44	20.5	3.5						
10	256QAM	1	0	18.78	18.96	18.91								
10	256QAM	1	25	18.79	18.82	18.86								
10	256QAM	1	49	18.75	18.76	18.77								
10	256QAM	25	0	18.71	18.87	18.74	20.5	3.5						
10	256QAM	25	12	18.75	18.81	18.63								
10	256QAM	25	25	18.60	18.66	18.62								
10	256QAM	50	0	18.63	18.67	18.63								
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.03	23.09	23.00	24	0						
5	QPSK	1	12	22.89	23.01	22.94								
5	QPSK	1	24	22.91	22.99	22.81								
5	QPSK	12	0	22.85	23.11	22.95								
5	QPSK	12	7	22.79	22.98	22.95	24	0						
5	QPSK	12	13	22.76	22.89	22.83								
5	QPSK	25	0	22.84	22.98	22.87								
5	16QAM	1	0	22.72	22.98	22.82								
5	16QAM	1	12	22.80	22.90	22.76	24	0						
5	16QAM	1	24	22.75	22.86	22.80								
5	16QAM	12	0	22.47	22.74	22.63								
5	16QAM	12	7	22.57	22.61	22.59								
5	16QAM	12	13	22.43	22.52	22.51	23.5	0.5						
5	16QAM	25	0	22.37	22.63	22.48								
5	16QAM	1	0	22.46	22.72	22.67								
5	16QAM	1	12	22.45	22.64	22.46								
5	16QAM	1	24	22.39	22.51	22.44	22.5	1.5						
5	16QAM	12	0	21.63	21.80	21.61								
5	16QAM	12	7	21.51	21.67	21.70								
5	16QAM	12	13	21.58	21.67	21.58								
5	16QAM	25	0	21.51	21.63	21.60	20.5	3.5						
5	256QAM	1	0	18.78	19.01	18.86								
5	256QAM	1	12	18.77	18.84	18.80								
5	256QAM	1	24	18.71	18.76	18.76								
5	256QAM	12	0	18.72	18.83	18.71	20.5	3.5						
5	256QAM	12	7	18.71	18.72	18.68								
5	256QAM	12	13	18.65	18.66	18.61								
5	256QAM	25	0	18.62	18.64	18.61								
Channel														
Frequency (MHz)														
3	QPSK	1	0	23.11	23.26	23.09	24	0						
3	QPSK	1	6	22.91	23.00	22.93								
3	QPSK	1	12	22.88	23.04	22.94								
3	QPSK	1	18	22.92	23.03	22.98								
3	QPSK	1	24	22.86	23.05	23.03	24	0						
3	QPSK	1	30	22.90	23.04	22.96								
3	QPSK	3	0	22.78	23.03	23.03								
3	QPSK	3	6	22.79	22.99	23.03								
3	QPSK	16	0	22.79	23.00	22.98	24	0						
3	QPSK	16	6	22.76	23.07	23.04								
3	QPSK	16	12	22.82	22.98	22.96								
3	QPSK	16	18	22.78	22.95	22.91								
3	16QAM	1	0	22.75	22.95	22.95	24	0						
3	16QAM	1	6	22.76	22.85	22.83								
3	16QAM	1	12	22.73	22.80	22.80								
3	16QAM	3	0	22.54	22.82	22.69								
3	16QAM	3	6	22.42	22.47	22.53	23.5	0.5						
3	16QAM	3	12	22.47	22.48	22.51								
3	16QAM	3	18	22.47	22.69	22.69								
3	16QAM	16	0	22.41	22.62	22.48								
3	16QAM	16	6	21.48	21.80	21.61	22.5	1.5						
3	16QAM	16	12	21.51	21.68	21.70								
3	16QAM	16	18	21.45	21.55	21.64								
3	16QAM	3	0	18.75	18.99	18.84								
3	16QAM	3	6	18.76	18.98	18.79	20.5	3.5						
3	16QAM	3	12	18.74	18.81	18.70								
3	16QAM	3	18	18.75	18.88	18.78								
3	16QAM	16	0	18.75	18.95	18.68								
3	256QAM	1	0	18.60	18.72	18.60	20.5	3.5						
3	256QAM	1	6	18.60	18.72	18.60								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	23.11	23.26	23.09	24	0						
1.4	QPSK	1	6	22.91	23.00	22.93								
1.4	QPSK	1	12	22.88	23.04	22.94								
1.4	QPSK	1	18	22.92	23.03	22.98								
1.4	QPSK	1	24	22.86	23.05	23.03	24	0						
1.4	QPSK	1	30	22.90	23.04	22.96								
1.4	QPSK	3	0	22.71	22.98	22.94								
1.4	QPSK	3	6	22.72	22.95	22.91								
1.4	QPSK	16	0	22.75	22.95	22.95	24	0						
1.4	QPSK	16	6	22.73	22.85	22.81								
1.4	QPSK	16	12	22.70	22.82	22.82								
1.4	QPSK	16	18	22.71	22.80	22.74								
1.4	QPSK	3	0	22.47	22.78	22.54	23.5	0.5						
1.4	QPSK	3	6	22.50	22.69	22.61								
1.4	QPSK	3	12	22.50	22.69	22.61								
1.4	QPSK	3	18	22.48	22.63	22.49								
1.4	QPSK	16	0	22.43	22.64	22.43	23.5	0.5						
1.4	QPSK	16	6	22.43	22.64	22.43								
1.4	QPSK	16	12	22.44	22.64	22.45								
1.4	QPSK	16	18	22.44	22.64	22.45								
1.4	QPSK	3	0	21.66	21.70	21.67	22.5	1.5						
1.4	QPSK	3	6	21.67	21.70	21.67								
1.4	QPSK	3	12	21.67	21.70	21.67								
1.4	QPSK	3	18	21.67	21.70	21.67								
1.4	QPSK	16	0	18.76	18.98	18.89	20.5	3.5						
1.4	QPSK	16	6	18.75	18.98	18.89								
1.4	QPSK	16	12	18.74	18.97	18.89								
1.4	QPSK	16	18</											



Band 38 Default Ant0												
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												
Frequency (MHz)												
20	QPSK	1	0	20.87	20.89	20.92	22	0				
20	QPSK	1	49	20.48	20.43	20.48						
20	QPSK	1	89	20.47	20.43	20.48						
20	QPSK	50	0	20.47	20.50	20.42						
20	QPSK	50	24	20.38	20.50	20.42	22	0				
20	QPSK	50	50	20.33	20.38	20.33						
20	QPSK	100	0	20.37	20.52	20.33						
20	16QAM	1	0	20.48	20.57	20.39						
20	16QAM	1	49	20.38	20.45	20.33	22	0				
20	16QAM	1	99	20.29	20.33	20.40						
20	16QAM	50	0	20.08	20.23	20.04						
20	16QAM	50	24	20.10	20.08	20.05						
20	16QAM	50	50	19.87	20.03	19.86	21.5	0.5				
20	16QAM	100	0	19.82	20.01	19.80						
20	64QAM	1	0	20.03	20.25	20.03						
20	64QAM	1	49	19.94	20.04	20.10						
20	64QAM	1	99	20.10	20.01	20.00	21.5	0.5				
20	64QAM	50	0	19.88	20.04	19.95						
20	64QAM	50	24	19.83	19.80	19.89						
20	64QAM	50	50	19.82	19.89	19.83						
20	64QAM	100	0	19.85	19.88	19.79	20.5	1.5				
20	256QAM	1	0	17.91	18.08	17.94						
20	256QAM	1	49	17.82	18.08	17.82						
20	256QAM	1	99	17.86	17.85	17.87						
20	256QAM	50	0	17.84	18.08	17.87	18.5	3.5				
20	256QAM	50	24	17.80	17.85	17.80						
20	256QAM	50	50	17.77	17.87	17.81						
20	256QAM	100	0	17.81	18.03	17.84						
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.72	20.74	20.72	22	0				
15	QPSK	1	37	20.29	20.36	20.42						
15	QPSK	1	74	20.40	20.38	20.23						
15	QPSK	36	0	20.30	20.38	20.27						
15	QPSK	36	20	20.24	20.39	20.31	22	0				
15	QPSK	36	50	20.31	20.39	20.25						
15	16QAM	1	0	20.31	20.44	20.25						
15	16QAM	1	37	20.37	20.37	20.30						
15	16QAM	1	74	20.25	20.23	20.33	22	0				
15	16QAM	36	0	19.80	20.20	19.88						
15	16QAM	36	20	19.82	19.85	19.85						
15	16QAM	75	0	19.79	19.83	19.83						
15	16QAM	75	39	19.83	19.89	19.86	21.5	0.5				
15	64QAM	1	0	19.94	20.23	19.89						
15	64QAM	1	37	19.77	19.97	20.07						
15	64QAM	1	74	20.01	19.85	19.85						
15	64QAM	36	0	19.77	20.01	19.87	20.5	1.5				
15	64QAM	36	20	19.73	19.88	19.82						
15	64QAM	75	0	19.77	19.85	19.85						
15	64QAM	75	39	19.75	19.85	17.88						
15	256QAM	1	0	17.76	17.89	17.85	18.5	3.5				
15	256QAM	1	37	17.70	18.04	17.78						
15	256QAM	1	74	17.73	17.82	17.72						
15	256QAM	36	0	17.83	18.00	17.82						
15	256QAM	36	20	17.86	17.77	17.82						
15	256QAM	36	39	17.84	17.77	17.81						
15	256QAM	75	0	17.79	17.89	17.87						
15	256QAM	75	39	17.83	18.00	17.85						
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.71	20.73	20.71	22	0				
10	QPSK	1	25	20.31	20.39	20.41						
10	QPSK	1	49	20.35	20.28	20.34						
10	QPSK	25	0	20.37	20.43	20.25						
10	QPSK	25	12	20.24	20.46	20.30	22	0				
10	QPSK	25	25	20.17	20.25	20.22						
10	QPSK	50	0	20.34	20.42	20.30						
10	16QAM	1	0	20.32	20.41	20.25						
10	16QAM	1	25	20.22	20.33	20.29	22	0				
10	16QAM	1	49	20.16	20.17	20.31						
10	16QAM	25	0	20.04	20.20	19.88						
10	16QAM	25	12	20.04	19.88	19.82						
10	16QAM	50	0	19.86	20.04	19.84	21.5	0.5				
10	16QAM	50	0	19.86	20.09	20.01						
10	64QAM	1	0	19.86	19.86	19.87						
10	64QAM	1	25	19.82	20.01	20.01						
10	64QAM	1	49	20.06	19.83	20.04	21.5	0.5				
10	64QAM	25	0	19.81	20.00	19.81						
10	64QAM	25	12	19.71	19.85	19.78						
10	64QAM	25	25	19.74	19.71	19.75						
10	64QAM	50	0	19.80	19.83	19.72	20.5	1.5				
10	256QAM	1	0	17.81	18.03	17.84						
10	256QAM	1	25	17.73	17.87	17.84						
10	256QAM	1	49	17.71	17.75	17.75						
10	256QAM	25	0	17.84	17.83	17.84	18.5	3.5				
10	256QAM	25	12	17.86	17.81	17.85						
10	256QAM	25	25	17.89	17.82	17.85						
10	256QAM	50	0	17.88	17.88	17.84						
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.66	20.68	20.67	22	0				
5	QPSK	1	12	20.31	20.32	20.37						
5	QPSK	1	24	20.44	20.39	20.33						
5	QPSK	12	0	20.38	20.46	20.30						
5	QPSK	12	7	20.24	20.42	20.30	22	0				
5	QPSK	12	13	20.11	20.29	20.18						
5	QPSK	25	0	20.20	20.29	20.20						
5	16QAM	1	0	20.31	20.44	20.23						
5	16QAM	1	12	20.28	20.39	20.15	22	0				
5	16QAM	1	24	20.16	20.29	20.20						
5	16QAM	12	0	19.93	20.17	19.98						
5	16QAM	12	7	19.97	19.82	20.00						
5	16QAM	12	13	19.77	19.93	19.80	21.5	0.5				
5	16QAM	25	0	19.82	19.86	19.83						
5	64QAM	1	0	19.94	20.12	20.00						
5	64QAM	1	12	19.89	19.88	20.00						
5	64QAM	1	24	19.95	19.91	19.99	21.5	0.5				
5	64QAM	12	0	19.78	19.89	19.81						
5	64QAM	12	7	19.76	19.78	19.75						
5	64QAM	12	13	19.72	19.78	19.71						
5	256QAM	1	0	17.83	18.01	17.80	18.5	3.5				
5	256QAM	1	12	17.74	18.03	17.82						
5	256QAM	1	24	17.74	17.70	17.78						
5	256QAM	12	0	17.86	17.83	17.85						
5	256QAM	12	7	17.70	17.86	17.86	18.5	3.5				
5	256QAM	12	13	17.70	17.81	17.70						
5	256QAM	25	0	17.87	17.89	17.89						

Band 41 FCC&IC Ant0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Med Ch / Freq	Power High Ch / Freq	Power High Med Ch / Freq	Power High Ch / Freq	Power High Med Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.48	22.42	22.45	22.43	22.44	22.43	24	0
20	QPSK	1	49	22.33	22.54	22.52	22.25	22.28	22.28		
20	QPSK	1	89	22.36	22.51	22.42	22.25	22.28	22.28		
20	QPSK	50	0	22.27	22.18	22.34	22.25	22.28	22.28		
20	QPSK	50	24	22.08	22.15	22.18	22.15	22.18	22.18	23.5	0.5
20	QPSK	50	50	22.08	22.16	22.16	22.15	22.18	22.18		
20	16QAM	1	0	22.15	22.13	22.28	22.13	22.14	22.14	23.5	0.5
20	16QAM	1	49	22.02	22.03	22.13	22.04	22.04	22.04		
20	16QAM	1	89	21.92	21.18	21.38	21.24	21.24	21.24		
20	16QAM	50	0	21.41	21.17	21.17	21.17	21.17	21.17		
20	16QAM	50	50	21.01	21.08	21.16	21.16	21.04	21.04	22.5	1.5
20	16QAM	100	0	21.30	21.21	21.38	21.17	21.17	21.27		
20	64QAM	1	49	21.31	21.37	21.27	21.27	21.27	21.30	22.5	1.5
20	64QAM	1	89	21.08	21.24	21.31	21.27	21.30	21.31		
20	64QAM	50	0	20.27	20.27	20.40	20.30	20.31	20.31	21.5	2.5
20	64QAM	50	24	20.23	20.24	20.32	20.22	20.29	20.29		
20	64QAM	50	50	20.19	20.19	20.27	20.18	20.17	20.17		
20	64QAM	100	0	20.10	20.14	20.24	20.26	20.10	20.10		
20	256QAM	1	0	18.24	18.20	18.37	18.24	18.23	18.23	19.5	4.5
20	256QAM	1	49	18.27	18.18	18.37	18.16	18.24	18.24		
20	256QAM	1	89	18.10	18.08	18.13	18.15	18.16	18.16	19.5	4.5
20	256QAM	50	0	18.19	18.14	18.24	18.15	18.19	18.19		
20	256QAM	50	24	18.12	18.14	18.24	18.12	18.14	18.14	19.5	4.5
20	256QAM	50	50	18.12	18.05	18.25	18.09	18.25	18.25		
20	256QAM	100	0	18.14	18.16	18.16	18.08	18.15	18.15	19.5	4.5
20	256QAM	100	50	18.23	18.17	18.25	18.09	18.25	18.25		
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.43	22.43	22.45	22.43	22.43	22.43	24	0
15	QPSK	1	37	22.17	22.37	22.40	22.09	22.38	22.38		
15	QPSK	1	74	22.14	22.26	22.28	22.07	22.11	22.11		
15	QPSK	36	0	22.28	22.08	22.08	22.07	22.08	22.08		
15	QPSK	36	20	21.69	21.51	21.59	21.58	21.61	21.61	23.5	0.5
15	QPSK	36	50	21.69	21.51	21.59	21.58	21.61	21.61		
15	QPSK	75	0	22.13	21.96	22.15	22.06	22.11	22.11	23.5	0.5
15	16QAM	1	0	22.09	21.88	22.16	22.06	22.11	22.11		
15	16QAM	1	37	21.88	21.99	22.01	21.87	21.98	21.98		
15	16QAM	1	74	21.99	21.91	22.04	21.87	21.94	21.94		
15	16QAM	36	0	21.28	21.84	21.26	21.18	21.24	21.24	22.5	1.5
15	16QAM	36	20	21.08	21.98	21.06	21.06	21.09	21.09		
15	16QAM	36	50	20.88	21.03	21.01	21.05	21.02	21.02	22.5	1.5
15	16QAM	75	0	21.32	21.17	21.17	21.17	21.17	21.17		
15	64QAM	1	0	21.32	21.20	21.30	21.31	21.33	21.33	22.5	1.5
15	64QAM	1	37	21.27	21.18	21.25	21.17	21.22	21.22		
15	64QAM	1	74	21.12	21.06	21.12	21.07	21.08	21.08		
15	64QAM	36	0	20.20	20.19	20.38	20.20	20.25	20.25		
15	64QAM	36	20	20.08	20.09	20.28	20.17	20.25	20.25	21.5	2.5
15	64QAM	36	50	20.10	20.10	20.15	20.12	20.14	20.14		
15	64QAM	75	0	19.89	20.05	20.08	19.12	20.08	20.08	19.5	4.5
15	256QAM	1	0	18.50	18.50	18.53	18.02	18.15	18.15		
15	256QAM	1	37	18.20	18.10	18.33	18.02	18.15	18.15		
15	256QAM	1	74	18.04	18.02	18.12	18.11	18.08	18.08		
15	256QAM	36	0	18.62	18.62	18.62	18.09	18.62	18.62	19.5	4.5
15	256QAM	36	20	18.12	18.03	18.16	17.97	18.05	18.05		
15	256QAM	36	50	18.08	17.93	18.11	18.02	18.01	18.01	19.5	4.5
15	256QAM	75	0	18.12	18.11	18.11	18.03	18.08	18.08		
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.43	22.43	22.45	22.43	22.43	22.43	24	0
10	QPSK	1	25	22.19	22.51	22.35	22.19	22.31	22.31		
10	QPSK	1	49	22.21	22.49	22.37	22.21	22.33	22.33		
10	QPSK	25	0	22.22	22.22	22.30	22.08	22.25	22.25		
10	QPSK	25	12	21.81	21.95	21.93	22.12	21.92	21.92	23.5	0.5
10	QPSK	25	25	21.86	21.95	21.94	21.92	21.94	21.94		
10	QPSK	50	0	22.13	21.94	22.18	22.03	22.15	22.15	23.5	0.5
10	16QAM	1	0	22.10	22.00	22.13	22.06	22.08	22.08		
10	16QAM	1	25	21.89	21.99	22.01	21.87	21.97	21.97		
10	16QAM	1	49	21.87	21.90	22.07	21.83	21.93	21.93		
10	16QAM	25	0	21.22	21.13	21.29	21.13	21.21	21.21	22.5	1.5
10	16QAM	25	12	21.08	21.12	21.12	21.08	21.10	21.10		
10	16QAM	25	25	20.89	21.05	21.13	21.06	21.08	21.08	22.5	1.5
10	16QAM	50	0	21.28	21.07	21.07	21.13	21.15	21.15		
10	64QAM	1	0	21.32	21.23	21.40	21.32	21.29	21.29	22.5	1.5
10	64QAM	1	25	21.13	21.13	21.33	21.14	21.19	21.19		
10	64QAM	1	49	21.15	21.14	21.33	21.15	21.18	21.18		
10	64QAM	25	0	20.12	20.17	20.30	20.26	20.23	20.23		
10	64QAM	25	12	20.18	20.16	20.19	20.10	20.26	20.26	21.5	2.5
10	64QAM	25	25	20.10	20.10	20.14	20.08	20.14	20.14		
10	64QAM	50	0	20.00	20.01	20.18	20.12	20.10	20.10	19.5	4.5
10	256QAM	1	0	18.06	18.06	18.06	18.01	18.20	18.20		
10	256QAM	1	25	18.16	18.09	18.29	18.07	18.12	18.12		
10	256QAM	1	49	18.05	17.99	18.16	18.12	18.02	18.02		
10	256QAM	25	0	18.54	18.08	18.08	18.01	18.08	18.08	19.5	4.5
10	256QAM	25	12	18.13	18.09	18.09	17.97	18.06	18.06		
10	256QAM	25	25	18.09	18.01	18.10	17.97	18.12	18.12	19.5	4.5
10	256QAM	50	0	18.08	18.08	18.08	18.01	18.08	18.08		
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.30	22.47	22.50	22.47	22.47	22.47	24	0
5	QPSK	1	12	22.20	22.51	22.37	22.13	22.33	22.33		
5	QPSK	1	25	22.23	22.52	22.37	22.13	22.33	22.33		
5	QPSK	12	0	22.24	22.08	22.06	22.00	21.93	21.93		
5	QPSK	12	7	22.22	22.05	22.03	22.07	22.03	22.03	23.5	0.5
5	QPSK	25	0	22.21	22.04	22.19	21.99	22.17	22.17		
5	16QAM	1	0	22.10	22.02	22.15	21.99	22.07	22.07	23.5	0.5
5	16QAM	1	12	21.89	21.98	22.01	21.86	21.97	21.97		
5	16QAM	1	24	21.87	22.00	22.03	21.85	21.92	21.92		
5	16QAM	12	7	21.26	21.12	21.12	21.12	21.12	21.12		
5	16QAM	12	7	20.87	21.03	21.12	21.10	21.09	21.09	22.5	1.5
5	16QAM	12	13	20.89	20.95	21.02	21.08	21.09	21.09		
5	64QAM	1	0	21.30	21.27	21.38	21.28	21.27	21.27	22.5	1.5
5	64QAM	1	12	21.13	21.13	21.25	21.19	21.16	21.16		
5	64QAM	1	24	21.18	21.18	21.27	21.18	21.18	21.18		
5	64QAM	12	0	20.12	20.23	20.34	20.20	20.18	20.18		
5	64QAM	12	7	20.14	20.17	20.19	20.13	20.25	20.25	21.5	2.5
5	64QAM	12	13	20.10	20.14	20.14	20.08	20.14	20.14		
5	64QAM	25	0	19.89	19.99	20.15	20.20	20.25	20.25	19.5	4.5
5	256QAM	1	0	18.13	18.13	18.13	18.01	18.13	18.13		
5	256QAM	1	12	18.24	18.07	18.25	18.02	18.21	18.21		
5	256QAM	1	24	17.88	18.00	18.15	18.02	18.01	18.01		
5	256QAM	12	0	18.05	18.04	18.04	18.04	18.04	18.04	19.5	4.5
5	256QAM	12	7	18.06	18.10	18.14	17.98	18.08	18.08		
5	256QAM	12	13	18.01	17.96	18.06	18.01	17.98	17.98	19.5	4.5
5	256QAM	25	0	18.00	18.00	18.00	18.06	18.06	18.06		



Band 41 PC2 FCC&IC Ant0															
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Mid-Mid Ch / Freq	Power High Ch / Freq	Power High-Mid Ch / Freq	Tune-up Int (dB)	MPR (dB)					
Channel															
Frequency (MHz)				30750	40185	40620	41055	41490							
20	QPSK	1	0	25.60	25.56	25.63	25.63	25.43	26	0					
20	QPSK	1	49	25.46	25.23	25.58	25.40	25.36							
20	QPSK	1	89	25.32	25.38	25.62	25.59	25.31							
20	QPSK	50	0	25.42	25.34	25.45	25.21	25.08							
20	QPSK	50	24	25.32	25.23	25.38	25.29	25.10	26	0					
20	QPSK	50	50	25.67	25.33	25.36	25.25	25.08							
20	QPSK	100	0	25.32	25.20	25.35	25.28	25.13							
20	16QAM	1	0	25.55	25.46	25.60	25.48	25.41							
20	16QAM	1	49	25.35	25.39	25.45	25.46	25.27	26	0					
20	16QAM	1	99	25.30	25.34	25.42	25.44	25.22							
20	16QAM	50	0	24.26	24.15	24.36	24.27	24.10							
20	16QAM	50	24	24.18	24.20	24.35	24.11	24.06							
20	16QAM	50	50	24.11	24.05	24.17	24.11	23.97	25	1					
20	16QAM	100	0	24.25	24.21	24.32	24.15	24.07							
20	64QAM	1	0	24.18	24.15	24.25	24.10	24.10							
20	64QAM	1	49	24.02	24.11	24.10	24.10	23.96							
20	64QAM	1	99	24.05	24.03	24.10	24.03	23.95	25	1					
20	64QAM	50	0	23.26	23.22	23.38	23.20	23.14							
20	64QAM	50	24	23.15	23.14	23.27	23.19	23.03							
20	64QAM	50	50	23.14	23.10	23.21	23.15	23.06							
20	64QAM	100	0	23.11	23.17	23.23	23.22	23.02	24	2					
20	256QAM	1	0	21.51	21.42	21.55	21.46	21.29							
20	256QAM	1	49	21.54	21.49	21.60	21.45	21.30							
20	256QAM	1	99	21.24	21.37	21.38	21.38	21.23							
20	256QAM	50	0	21.36	21.31	21.42	21.35	21.24	22	4					
20	256QAM	50	24	21.22	21.16	21.29	21.24	21.04							
20	256QAM	50	50	21.14	21.12	21.21	21.20	21.05							
20	256QAM	100	0	21.32	21.30	21.39	21.35	21.16							
Channel															
Frequency (MHz)				30750	40173	40620	41068	41515							
16	QPSK	1	0	25.52	25.47	25.62	25.50	25.43	26.00	0					
16	QPSK	1	37	25.39	25.12	25.50	25.28	25.20							
16	QPSK	1	74	25.13	25.30	25.35	25.24	25.21							
16	QPSK	36	0	25.39	25.31	25.31	25.10	24.81							
16	QPSK	36	20	25.20	25.08	25.34	25.19	24.95	26	0					
16	QPSK	36	36	25.48	25.38	25.38	25.15	25.00							
16	QPSK	75	0	25.24	25.15	25.23	25.15	25.00							
16	16QAM	1	0	25.43	25.36	25.51	25.38	25.36							
16	16QAM	1	37	25.25	25.20	25.25	25.40	25.23	26	0					
16	16QAM	1	74	25.18	25.21	25.28	25.38	25.10							
16	16QAM	36	0	24.22	24.02	24.24	24.16	23.97							
16	16QAM	36	20	24.05	24.08	24.22	24.05	23.82							
16	16QAM	36	36	24.08	23.99	24.08	24.06	23.86	25	1					
16	16QAM	75	0	24.19	24.08	24.27	24.04	24.02							
16	64QAM	1	0	24.04	24.10	24.16	24.05	23.99							
16	64QAM	1	37	23.89	24.04	23.97	23.95	23.86							
16	64QAM	1	74	24.03	23.89	24.10	23.94	23.92	24	2					
16	64QAM	36	0	23.18	23.15	23.35	23.05	23.05							
16	64QAM	36	20	23.05	22.99	23.22	23.15	22.97							
16	64QAM	36	36	23.05	22.95	23.05	23.15	22.92							
16	64QAM	75	0	23.04	23.03	23.05	23.15	22.92	22	4					
16	256QAM	1	0	21.43	21.30	21.51	21.39	21.22							
16	256QAM	1	37	21.42	21.17	21.46	21.36	21.15							
16	256QAM	1	74	21.20	21.26	21.32	21.23	21.10							
16	256QAM	36	0	21.24	21.17	21.34	21.25	21.11	22	4					
16	256QAM	36	20	21.08	21.12	21.11	21.15	21.09							
16	256QAM	36	36	21.10	21.08	21.07	21.09	20.98							
16	256QAM	75	0	21.21	21.12	21.31	21.06	21.07							
Channel															
Frequency (MHz)				30750	40160	40620	41068	41540							
10	QPSK	1	0	25.44	25.44	25.44	25.44	25.47	26.00	0					
10	QPSK	1	25	25.35	25.11	25.51	25.34	25.28							
10	QPSK	1	49	25.06	25.30	25.30	25.31	25.16							
10	QPSK	25	0	25.34	25.22	25.36	25.10	25.02							
10	QPSK	25	12	25.28	25.00	25.22	25.14	25.03	26	0					
10	QPSK	25	25	24.92	25.06	25.09	25.14	24.97							
10	QPSK	50	0	25.30	25.06	25.21	25.24	25.06							
10	16QAM	1	0	25.47	25.40	25.60	25.41	25.36							
10	16QAM	1	49	25.20	25.34	25.40	25.38	25.12	26	0					
10	16QAM	1	89	25.21	25.21	25.28	25.36	25.17							
10	16QAM	25	0	24.23	24.09	24.31	24.12	24.03							
10	16QAM	25	12	24.12	24.16	24.22	24.06	23.91							
10	16QAM	25	25	24.04	23.96	24.14	24.04	23.85	25	1					
10	16QAM	50	0	24.18	24.14	24.28	24.08	24.11							
10	64QAM	1	0	24.09	24.09	24.20	24.06	23.97							
10	64QAM	1	25	23.94	23.99	24.02	23.92	23.86							
10	64QAM	25	0	23.21	23.08	23.20	23.15	23.03	24	2					
10	64QAM	25	12	23.05	23.10	23.24	23.09	22.89							
10	64QAM	25	25	23.02	22.87	23.20	23.08	22.96							
10	64QAM	50	0	22.97	23.07	23.10	23.18	22.98							
10	256QAM	1	0	21.47	21.39	21.54	21.36	21.18	22	4					
10	256QAM	1	25	21.51	21.26	21.47	21.39	21.25							
10	256QAM	1	49	21.14	21.30	21.35	21.30	21.22							
10	256QAM	25	0	21.28	21.21	21.36	21.32	21.20							
10	256QAM	25	12	21.06	21.04	21.20	21.17	20.94	22	4					
10	256QAM	25	25	20.99	21.07	21.13	21.12	20.96							
10	256QAM	50	0	21.28	21.16	21.27	21.11	21.02							
Channel															
Frequency (MHz)				30675	40146	40620	41058	41495							
5	QPSK	1	0	25.51	25.43	25.46	25.38	25.40	26.00	0					
5	QPSK	1	12	25.43	25.07	25.45	25.33	25.31							
5	QPSK	1	24	25.15	25.34	25.39	25.21	25.26							
5	QPSK	12	0	25.39	25.32	25.47	25.09	24.93							
5	QPSK	12	7	25.44	25.15	25.38	25.12	25.03	26	0					
5	QPSK	12	19	25.20	25.07	25.32	25.18	24.98							
5	QPSK	25	0	25.21	25.05	25.28	25.22	25.09							
5	QPSK	25	9	25.47	25.42	25.52	25.38	25.27							
5	16QAM	1	0	25.49	25.42	25.56	25.43	25.34	26	0					
5	16QAM	1	12	25.39	25.32	25.45	25.35	25.24							
5	16QAM	1	24	25.19	25.21	25.25	25.34	25.16							
5	16QAM	12	7	25.42	25.40	25.52	25.38	25.27							
5	16QAM	12	19	25.14	25.14	24.19	24.09	23.97	25	1					
5	16QAM	12	13	24.08	23.98	24.03	24.07	23.89							
5	16QAM	25	0	23.12	23.10	23.21	23.09	22.87							
5	64QAM	1	0	24.07	24.10	24.21	24.05	23.94							
5	64QAM	1	12	23.91	23.97	24.02	24.07	23.92	25	1					
5	64QAM	1	24	23.97	24.01	24.05	24.09	23.94							
5	64QAM	12	0	23.20	23.08	23.15	23.15	22.99							
5	64QAM	12	7	23.10	23.13	23.18	23.18	23.01							
5	64QAM	25	0	23.08	23.11	23.11	23.18	22.98	24	2					
5	256QAM	1	0	21.48	21.34	21.49	21.41	21.22							
5	256QAM	1	12	21.48	21.25	21.46	21.37	21.21							
5	256QAM	1	24	21.19	21.30	21.32	21.28	21.22							
5	256QAM	12	0	21.25	21.18	21.32	21.27	21.19	22	4					
5	256QAM	12	7	21.19	21.07	21.22	21.20	21.03							
5	256QAM	12	13	20.98	21.06	21.15	21.16	20.96							
5	256QAM	25	0	21.24	21.16	21.25	21.12	21.02							

CDMA2000 1X									
Channel		Sect-Average Power (dBm)			TxPower Limit		Frame-Average Power (dBm)		
TX Channel		198	199	201	Limit		198	199	201
Frequency (MHz)		894.2	895.6	896.8	(dBm)		894.2	895.6	896.8
CDMA 1 Tx-Mid		31.42	31.48	31.36	32.00		22.42	22.48	22.36
CDMA 1 Tx-Mid		31.42	31.48	31.36	32.00		22.42	22.48	22.36
CDMA 2 Tx-Mid		28.27	28.30	28.32	29.00		22.27	22.29	22.30
CDMA 2 Tx-Mid		28.27	28.30	28.32	29.00		22.27	22.29	22.30
CDMA 3 Tx-Mid		26.80	26.91	26.80	28.00		22.54	22.55	22.54
CDMA 3 Tx-Mid		26.16	25.92	25.17	26.00		22.16	22.22	22.17
EDGE 1 Tx-Mid		24.03	24.17	24.05	25.00		18.03	18.17	18.05
EDGE 2 Tx-Mid		22.00	22.41	22.14	23.00		16.00	16.41	16.14
EDGE 3 Tx-Mid		21.15	21.23	21.08	22.00		15.89	16.07	15.82
EDGE 4 Tx-Mid		19.99	19.96	19.83	20.00		15.89	16.08	16.00
CDMA 2000 1X									
Channel		Sect-Average Power (dBm)			TxPower Limit		Frame-Average Power (dBm)		
TX Channel		514	560	590	Limit		514	560	590
Frequency (MHz)		1890.2	1890	1890.8	(dBm)		1890.2	1890	1890.8
CDMA 1 Tx-Mid		27.46	27.50	27.63	28.00		18.46	18.54	18.63
CDMA 1 Tx-Mid		27.46	27.50	27.63	28.00		18.46	18.54	18.63
CDMA 2 Tx-Mid		25.06	25.00	24.98	26.00		19.06	19.00	18.98
CDMA 2 Tx-Mid		25.36	25.42	25.32	26.00		19.10	19.16	19.06
EDGE 1 Tx-Mid		20.62	20.74	20.63	21.00		17.62	17.74	17.63
EDGE 1 Tx-Mid		22.76	22.86	22.72	23.00		13.76	13.86	13.72
EDGE 2 Tx-Mid		21.13	21.22	21.13	22.00		15.13	15.22	15.13
EDGE 3 Tx-Mid		19.80	19.80	19.80	20.00		14.80	14.80	14.80
EDGE 4 Tx-Mid		17.01	18.00	17.07	18.00		14.91	15.05	14.97
CDMA 2000 1X									
WCDMA II A-ET					WCDMA IV A-ET				
TX Channel		5982	5600	5658	TxPower Limit		1412	1413	1513
Frequency (MHz)		1852.4	1860	1867.6	(dBm)		1712.4	1712.6	1752.6
HSDPA-1		21.46	21.55	21.44	22.00		21.42	21.44	21.31
HSDPA-2		21.48	21.51	21.51	22.00		21.45	21.45	21.37
HSDPA-3		20.85	20.84	20.47	22.00		20.57	20.32	22.00
HSDPA-4		20.48	20.51	20.52	22.00		20.42	20.50	20.41
HSDPA-5		20.02	20.14	20.10	21.00		19.91	20.02	19.95
HSDPA-6		19.66	20.18	20.06	21.00		19.67	20.11	19.64
HSDPA-7		20.50	20.70	20.45	22.00		20.63	20.35	22.00
HSDPA-8		20.37	20.42	20.36	22.00		20.33	20.28	22.00
HSDPA-9		19.00	19.96	19.02	21.00		19.84	19.86	19.85
HSDPA-10		19.87	19.84	19.89	21.00		19.82	19.80	19.83
HSDPA-11		20.86	20.81	20.86	22.00		20.43	20.38	22.00
HSDPA-12		18.53	18.67	18.52	20.00		18.42	18.39	20.00
HSDPA-13		18.00	18.00	18.00	20.00		18.00	18.00	18.00
HSDPA-14		18.45	18.48	18.44	20.00		18.37	18.45	18.35
HSDPA-15		20.59	20.49	20.59	22.00		20.58	20.38	22.00



Band 2 Default Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Fires	Power High Ch./Fires	Power High Ch./Fires	Turn-up time (sec)	MPE (dB)	
Channel									
1800 1800 1800									
20	QPSK	1	0	20.50	21.00	20.98			
20	QPSK	1	49	20.75	21.04	20.88	22	0	
20	QPSK	1	99	20.76	21.04	20.88			
20	QPSK	50	0	20.99	21.04	20.80			
20	QPSK	50	24	20.87	20.99	20.90	22	0	
20	QPSK	50	50	20.90	20.99	20.90			
20	QPSK	100	0	20.90	20.96	20.87			
20	QPSK	100	24	20.86	20.96	20.79	22	0	
20	QPSK	100	50	20.87	20.96	20.79			
20	16QAM	1	99	20.69	20.73	20.77			
20	16QAM	50	0	20.62	20.68	20.76			
20	16QAM	50	24	20.72	20.65	20.69	21.5	0.5	
20	16QAM	50	50	20.72	20.79	20.86			
20	16QAM	100	0	20.76	20.82	20.77			
20	16QAM	100	24	20.71	20.80	20.71	21.5	0.5	
20	16QAM	100	50	20.67	20.76	20.72			
20	16QAM	1	99	20.56	20.71	20.61	20.5	1.5	
20	16QAM	50	0	19.80	19.88	19.78			
20	16QAM	50	24	19.77	19.73	19.69	20.5	1.5	
20	16QAM	50	50	19.71	19.72	19.69			
20	16QAM	100	0	19.86	19.83	19.80			
20	16QAM	100	24	19.76	19.79	19.78	20.5	1.5	
20	16QAM	100	50	19.71	19.72	19.69			
20	256QAM	1	49	17.87	17.99	17.89	18.5	3.5	
20	256QAM	1	99	17.82	17.86	17.81			
20	256QAM	50	0	17.86	17.82	17.81			
20	256QAM	50	24	17.73	17.83	17.80	18.5	3.5	
20	256QAM	50	50	17.75	17.81	17.69			
20	256QAM	100	0	17.81	17.87	17.74			
Channel									
18075 18000 18015									
15	QPSK	1	0	20.86	21.02	20.89			
15	QPSK	1	37	20.75	20.98	20.86	22	0	
15	QPSK	1	74	20.73	21.00	20.86			
15	QPSK	36	0	20.93	21.03	20.87			
15	QPSK	36	36	20.78	20.91	20.88	22	0	
15	QPSK	36	72	20.90	20.83	20.73			
15	16QAM	1	37	20.62	20.99	20.77			
15	16QAM	1	74	20.75	20.91	20.81	22	0	
15	16QAM	1	37	20.76	20.73	20.84			
15	16QAM	36	0	20.62	20.99	20.77			
15	16QAM	36	36	20.72	20.81	20.67	21.5	0.5	
15	16QAM	36	72	20.64	20.84	20.69			
15	16QAM	75	0	20.73	20.83	20.75			
15	16QAM	1	0	20.70	20.72	20.67	21.5	0.5	
15	16QAM	36	0	20.76	20.82	20.78			
15	16QAM	75	0	20.73	20.83	20.75			
15	16QAM	1	74	20.40	20.05	20.55	20.5	1.5	
15	16QAM	36	0	19.72	19.86	19.74			
15	16QAM	36	36	19.71	19.83	19.61	20.5	1.5	
15	16QAM	36	72	19.71	19.83	19.61			
15	16QAM	75	0	19.86	19.82	19.78			
15	256QAM	1	37	17.84	17.99	17.86	18.5	3.5	
15	256QAM	1	74	17.76	17.85	17.72			
15	256QAM	36	0	17.86	17.82	17.81			
15	256QAM	36	36	17.73	17.82	17.78	18.5	3.5	
15	256QAM	36	72	17.66	17.74	17.65			
15	256QAM	75	0	17.73	17.68	17.65			
Channel									
18050 18000 18150									
10	QPSK	1	0	20.41	20.41	20.41			
10	QPSK	1	25	20.70	20.95	20.82	22	0	
10	QPSK	1	49	20.71	20.94	20.82			
10	QPSK	1	74	20.64	20.94	20.82			
10	QPSK	25	0	20.84	20.93	20.76	22	0	
10	QPSK	25	25	20.84	20.93	20.81			
10	16QAM	1	0	20.79	20.95	20.74			
10	16QAM	1	25	20.78	20.74	20.85	22	0	
10	16QAM	1	49	20.62	20.73	20.79			
10	16QAM	1	74	20.63	20.89	20.70	21.5	0.5	
10	16QAM	25	0	20.83	20.89	20.70			
10	16QAM	25	25	20.72	20.84	20.66			
10	16QAM	50	0	20.73	20.87	20.77			
10	16QAM	1	0	20.64	20.76	20.71	21.5	0.5	
10	16QAM	50	0	20.64	20.76	20.64			
10	16QAM	1	49	20.40	20.69	20.55	20.5	1.5	
10	16QAM	25	0	19.75	19.87	19.67			
10	16QAM	25	25	19.75	19.82	19.67	20.5	1.5	
10	16QAM	50	0	19.79	19.77	19.62			
10	256QAM	1	49	17.81	17.82	17.65	18.5	3.5	
10	256QAM	1	25	17.81	17.82	17.65			
10	256QAM	1	74	17.79	17.78	17.76			
10	256QAM	25	0	17.86	17.78	17.76	18.5	3.5	
10	256QAM	25	25	17.75	17.78	17.76			
10	256QAM	50	0	17.82	17.78	17.65			
Channel									
18025 18000 18175									
5	QPSK	1	0	20.51	21.00	20.51			
5	QPSK	1	12	20.65	20.95	20.82	22	0	
5	QPSK	1	24	20.72	21.01	20.90			
5	QPSK	12	0	20.86	21.01	20.91			
5	QPSK	12	7	20.87	20.95	20.88	22	0	
5	QPSK	12	13	20.86	20.84	20.73			
5	QPSK	24	0	20.87	20.94	20.79			
5	16QAM	1	0	20.78	20.90	20.76			
5	16QAM	1	12	20.73	20.74	20.73	22	0	
5	16QAM	1	24	20.62	20.67	20.71			
5	16QAM	12	0	20.83	20.83	20.76			
5	16QAM	12	7	20.71	20.79	20.64	21.5	0.5	
5	16QAM	12	13	20.71	20.76	20.62			
5	16QAM	24	0	20.73	20.78	20.74			
5	16QAM	1	0	20.65	20.77	20.62	21.5	0.5	
5	16QAM	12	0	20.69	20.82	20.73			
5	16QAM	1	24	20.48	20.68	20.53			
5	16QAM	12	0	19.71	19.82	19.66			
5	16QAM	12	7	19.73	19.80	19.68	20.5	1.5	
5	16QAM	12	13	19.73	19.72	19.69			
5	16QAM	24	0	19.80	19.78	19.79			
5	256QAM	1	49	17.78	17.87	17.81	18.5	3.5	
5	256QAM	1	12	17.79	17.86	17.85			
5	256QAM	1	24	17.78	17.78	17.81			
5	256QAM	12	0	17.86	17.78	17.81	18.5	3.5	
5	256QAM	12	13	17.73	17.76	17.69			
5	256QAM	24	0	17.78	17.84	17.73			
Channel									
18010 18000 18165									
3	QPSK	1	0	20.51	21.00	20.51			
3	QPSK	1	8	20.76	20.94	20.81	22	0	
3	QPSK	1	14	20.70	20.95	20.83			
3	QPSK	8	0	20.87	20.98	20.84			
3	QPSK	8	4	20.82	21.00	20.88	22	0	
3	QPSK	8	7	20.86	20.87	20.76			
3	16QAM	1	0	20.84	20.86	20.73			
3	16QAM	1	8	20.62	20.94	20.71	22	0	
3	16QAM	1	14	20.65	20.88	20.77			
3	16QAM	8	0	20.74	20.68	20.76	21.5	0.5	
3	16QAM	8	4	20.72	20.75	20.77			
3	16QAM	8	7	20.61	20.74	20.65			
3	16QAM	1	0	20.78	20.80	20.70			
3	16QAM	1	14	20.66	20.71	20.66	21.5	0.5	
3	16QAM	8	0	20.71	20.86	20.76			
3	16QAM	8	4	20.74	20.68	20.76			
3	16QAM	8	7	20.61	20.84	20.67	20.5	1.5	
3	16QAM	1	0	19.76	19.79	19.71			
3	16QAM	8	0	19.77	19.84	19.69			
3	16QAM	8	7	19.61	19.63	19.67	20.5	1.5	
3	16QAM	1	14	19.76	19.79	19.71			
3	256QAM	1	0	17.84	17.94	17.88			
3	256QAM	1	8	17.88	17.84	17.67	18.5	3.5	
3	256QAM	1	14	17.87	17.80	17.64			
3	256QAM	8	0	17.88	17.82	17.79			
3	256QAM	8	4	17.65	17.84	17.78	18.5	3.5	
3	256QAM	8	7	17.60	17.81	17.75			
3	256QAM	15	0	17.80	17.78	17.75			
Channel									
18007 18000 18165									
1.4	QPSK	1	0	20.81	21.07	20.93			
1.4	QPSK	1	3	20.86	20.99	20.79	22	0	
1.4	QPSK	1	5	20.76	20.96	20.83			
1.4	QPSK	3	0	20.85	21.00	20.89			
1.4	QPSK	3	1	20.77	20.88	20.79	22	0	
1.4	QPSK	3	3	20.84	20.89				



Band 12 Default Ant1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	21.61	21.73	21.68	23	0				
10	QPSK	1	25	21.43	21.61	21.52						
10	QPSK	1	49	21.47	21.49	21.52						
10	QPSK	25	0	21.60	21.70	21.55	23	0				
10	16QAM	25	12	21.55	21.63	21.53						
10	QPSK	25	25	21.46	21.48	21.48						
10	QPSK	50	0	21.51	21.57	21.45	23	0				
10	16QAM	50	0	21.55	21.63	21.51						
10	16QAM	1	25	21.40	21.48	21.38						
10	16QAM	1	49	21.35	21.48	21.44	22.5	0.5				
10	16QAM	25	0	21.39	21.59	21.49						
10	16QAM	25	12	21.34	21.45	21.40						
10	16QAM	25	25	21.38	21.39	21.41	22.5	0.5				
10	16QAM	50	0	21.33	21.54	21.49						
10	16QAM	1	0	21.34	21.59	21.36						
10	8QAM	1	25	21.26	21.32	21.33	22.5	0.5				
10	8QAM	1	49	21.24	21.35	21.28						
10	8QAM	25	0	20.40	20.53	20.43						
10	8QAM	25	12	20.37	20.43	20.31	21.5	1.5				
10	8QAM	25	25	20.28	20.34	20.33						
10	8QAM	50	0	20.25	20.37	20.31						
10	256QAM	1	0	18.44	18.62	18.48	19.5	3.5				
10	256QAM	1	25	18.42	18.62	18.49						
10	256QAM	1	49	18.41	18.37	18.33						
10	256QAM	25	0	18.35	18.52	18.42	19.5	3.5				
10	256QAM	25	12	18.28	18.37	18.36						
10	256QAM	25	25	18.24	18.32	18.32						
10	256QAM	50	0	18.29	18.40	18.35	22.5	0.5				
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.56	21.63	21.54	23	0				
5	QPSK	1	12	21.37	21.56	21.43						
5	QPSK	1	24	21.33	21.44	21.49						
5	QPSK	12	0	21.51	21.58	21.44	23	0				
5	QPSK	12	7	21.49	21.58	21.59						
5	QPSK	12	13	21.34	21.39	21.41						
5	16QAM	1	25	21.49	21.49	21.43	23	0				
5	16QAM	1	0	21.48	21.51	21.45						
5	16QAM	1	12	21.34	21.37	21.33						
5	16QAM	12	0	21.31	21.48	21.41	22.5	0.5				
5	16QAM	12	7	21.23	21.39	21.27						
5	16QAM	25	0	21.26	21.43	21.34						
5	8QAM	1	0	21.26	21.38	21.22	22.5	0.5				
5	8QAM	1	12	21.21	21.37	21.27						
5	8QAM	1	24	21.13	21.25	21.20						
5	8QAM	12	0	20.31	20.41	20.30	21.5	1.5				
5	8QAM	12	7	20.24	20.34	20.19						
5	8QAM	12	13	20.17	20.20	20.18						
5	8QAM	25	0	20.15	20.22	20.24	19.5	3.5				
5	256QAM	1	0	18.36	18.53	18.35						
5	256QAM	1	12	18.31	18.50	18.45						
5	256QAM	1	24	18.28	18.31	18.25	19.5	3.5				
5	256QAM	12	0	18.26	18.33	18.31						
5	256QAM	12	7	18.17	18.24	18.23						
5	256QAM	12	13	18.20	18.23	18.28	22.5	0.5				
5	256QAM	25	0	18.30	18.42	18.17						
Channel												
Frequency (MHz)												
3	QPSK	1	0	21.46	21.66	21.52	23	0				
3	QPSK	1	8	21.32	21.54	21.37						
3	QPSK	1	14	21.42	21.43	21.38						
3	QPSK	3	0	21.55	21.59	21.43	23	0				
3	QPSK	3	8	21.48	21.52	21.39						
3	QPSK	3	7	21.32	21.40	21.38						
3	16QAM	1	0	21.37	21.53	21.37	23	0				
3	16QAM	1	0	21.47	21.57	21.37						
3	16QAM	1	8	21.30	21.41	21.33						
3	16QAM	1	14	21.22	21.42	21.30	22.5	0.5				
3	16QAM	8	0	21.26	21.49	21.41						
3	16QAM	8	4	21.21	21.38	21.30						
3	16QAM	8	7	21.26	21.32	21.27	21.5	1.5				
3	16QAM	15	0	21.22	21.47	21.36						
3	8QAM	1	0	21.20	21.40	21.29						
3	8QAM	1	8	21.12	21.29	21.13	22.5	0.5				
3	8QAM	1	14	21.12	21.23	21.18						
3	8QAM	8	0	20.37	20.43	20.39						
3	8QAM	8	4	20.23	20.26	20.25	21.5	1.5				
3	8QAM	8	7	20.16	20.19	20.27						
3	8QAM	15	0	20.19	20.25	20.22						
3	256QAM	1	0	18.30	18.47	18.35	19.5	3.5				
3	256QAM	1	8	18.27	18.40	18.42						
3	256QAM	1	14	18.26	18.33	18.28						
3	256QAM	8	0	18.26	18.35	18.26	19.5	3.5				
3	256QAM	8	4	18.18	18.26	18.36						
3	256QAM	8	7	18.20	18.19	18.29						
3	256QAM	15	0	18.22	18.30	18.17	22.5	0.5				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	21.46	21.66	21.52	23	0				
1.4	QPSK	1	3	21.35	21.50	21.49						
1.4	QPSK	1	5	21.40	21.44	21.45						
1.4	QPSK	3	0	21.47	21.57	21.40	23	0				
1.4	QPSK	3	1	21.48	21.59	21.39						
1.4	QPSK	3	3	21.35	21.33	21.35						
1.4	16QAM	1	0	21.38	21.50	21.35	23	0				
1.4	16QAM	1	0	21.50	21.56	21.39						
1.4	16QAM	1	3	21.34	21.40	21.33						
1.4	16QAM	3	0	21.26	21.42	21.40	23	0				
1.4	16QAM	3	0	21.28	21.48	21.39						
1.4	16QAM	3	1	21.26	21.44	21.28						
1.4	16QAM	3	3	21.23	21.37	21.33	22.5	0.5				
1.4	16QAM	8	0	21.21	21.48	21.34						
1.4	8QAM	1	0	21.28	21.41	21.27	22.5	0.5				
1.4	8QAM	1	3	21.13	21.21	21.19						
1.4	8QAM	1	5	21.19	21.28	21.18						
1.4	8QAM	3	0	21.23	21.36	21.32	21.5	1.5				
1.4	8QAM	3	1	21.23	21.23	21.20						
1.4	8QAM	3	3	21.10	21.22	21.17						
1.4	256QAM	1	0	20.30	20.41	20.29	19.5	3.5				
1.4	256QAM	1	0	18.37	18.40	18.44						
1.4	256QAM	1	3	18.33	18.55	18.44						
1.4	256QAM	1	5	18.29	18.28	18.24	19.5	3.5				
1.4	256QAM	3	0	18.27	18.30	18.30						
1.4	256QAM	3	1	18.14	18.30	18.24						
1.4	256QAM	6	0	18.15	18.24	18.42	19.5	3.5				
1.4	256QAM	6	0	18.27	18.30	18.19						
1.4	256QAM	6	0	18.27	18.30	18.19						

Band 13 Default Ant1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.47	21.48	21.43	23	0	
10	QPSK	1	25	21.43	21.47	21.40			
10	QPSK	1	49	21.50	21.50	21.45			
10	QPSK	25	0	21.43	21.43	21.40	23	0	
10	QPSK	25	12	21.50	21.50	21.45			
10	QPSK	25	25	21.50	21.50	21.45			
10	QPSK	50	0	21.56	21.56	21.45	23	0	
10	QPSK	50	12	21.50	21.50	21.45			
10	QPSK	50	25	21.47	21.47	21.45			
10	QPSK	12	0	21.52	21.52	21.45	22.5	0.5	
10	QPSK	12	12	21.45	21.45	21.40			
10	QPSK	12	25	21.40	21.40	21.40			
10	QPSK	50	0	21.38	21.38	21.38	22.5	0.5	
10	QPSK	50	12	21.45	21.45	21.40			
10	QPSK	50	25	21.52	21.52	21.45			
10	QPSK	1	0	21.51	21.51	21.45	21.5	1.5	
10	QPSK	1	25	21.45	21.45	21.40			
10	QPSK	1	49	21.50	21.50	21.45			
10	QPSK	25	0	21.45	21.45	21.40	21.5	1.5	
10	QPSK	25	12	21.52	21.52	21.45			
10	QPSK	25	25	21.40	21.40	21.40			
10	QPSK	50	0	21.38	21.38	21.38	21.5	1.5	
10	QPSK	50	12	21.45	21.45	21.40			
10	QPSK	50	25	21.52	21.52	21.45			
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.53	21.62	21.58	23	0	
10	QPSK	1	12	21.42	21.44	21.34			
10	QPSK	1	24	21.42	21.38	21.40			
10	QPSK	25	0	21.54	21.57	21.49	23	0	
10	QPSK	25	12	21.46	21.45	21.36			
10	QPSK	25	24	21.32	21.32	21.32			
10	QPSK	50	0	21.45	21.46	21.45	23	0	
10	QPSK	50	12	21.47	21.37	21.38			
10	QPSK	50	24	21.32	21.31	21.30			
10	QPSK	1	12	21.36	21.37	21.45	23	0	
10	QPSK	1	24	21.36	21.36	21.36			
10	QPSK	1	36	21.33	21.33	21.33			
10	QPSK	12	0	21.33	21.33	21.33	22.5	0.5	
10	QPSK	12	12	21.28	21.27	21.28			
10	QPSK	12	24	21.28	21.27	21.28			
10	QPSK	25	0	21.28	21.32	21.32	22.5	0.5	
10	QPSK	25	12	21.34	21.34	21.34			
10	QPSK	25	24	20.96	20.94	20.97			
10	QPSK	1	12	20.96	20.94	20.97	22.5	0.5	
10	QPSK	1	24	20.94	20.91	20.95			
10	QPSK	1	36	20.94	20.93	20.93			
10	QPSK	12	0	20.96	20.96	20.96	21.5	1.5	
10	QPSK	12	12	20.94	20.91	20.97			
10	QPSK	12	24	20.91	20.88	20.97			
10	QPSK	25	0	19.77	19.71	19.77	19.5	3.5	
10	QPSK	25	12	19.71	19.71	19.71			
10	QPSK	25	24	19.71	19.71	19.71			
10	QPSK	50	0	18.77	18.67	18.61	19.5	3.5	
10	QPSK	50	12	18.64	18.64	18.64			
10	QPSK	50	24	17.96	17.96	17.96			
10	QPSK	12	0	18.08	18.10	18.10	19.5	3.5	
10	QPSK	12	12	17.83	17.87	17.85			
10	QPSK	12	24	17.93	17.92	17.96			
10	QPSK	25	0	18.07	18.02	18.02	19.5	3.5	
10	QPSK	25	12	17.97	17.92	17.96			
10	QPSK	25	24	18.07	18.07	18.07			

Band 25 Default Ant1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.00	21.11	21.06	22	0						
20	QPSK	1	49	20.83	20.92	20.87								
20	QPSK	1	99	20.83	20.92	20.87								
20	QPSK	50	0	20.92	21.00	20.96								
20	QPSK	50	24	20.84	20.88	20.86	22	0						
20	QPSK	50	50	20.76	20.87	20.80								
20	QPSK	100	0	20.89	21.02	20.94								
20	16QAM	1	0	20.87	21.00	20.93								
20	16QAM	1	49	20.83	20.89	20.89	22	0						
20	16QAM	1	99	20.78	20.85	20.80								
20	16QAM	50	0	20.84	21.00	20.94								
20	16QAM	50	24	20.77	20.90	20.81								
20	16QAM	50	50	20.74	20.79	20.75	22	0						
20	16QAM	100	0	20.86	20.95	20.92								
20	64QAM	1	0	21.00	21.07	21.00								
20	64QAM	1	49	20.92	20.97	20.89								
20	64QAM	1	99	20.88	20.89	20.80	22	0						
20	64QAM	50	0	20.89	21.01	20.89								
20	64QAM	50	24	20.81	20.89	20.84								
20	64QAM	50	50	20.70	20.78	20.74								
20	64QAM	100	0	20.86	20.95	20.92	22	0						
20	256QAM	1	0	21.00	21.07	21.00								
20	256QAM	1	49	17.82	17.87	17.78								
20	256QAM	1	99	17.77	17.84	17.77								
20	256QAM	50	24	17.80	17.85	17.84	19	3						
20	256QAM	50	50	17.71	17.82	17.78								
20	256QAM	100	0	17.82	17.85	17.82								
Channel														
Frequency (MHz)														
18	QPSK	1	0	20.89	21.07	20.98	22	0						
18	QPSK	1	37	20.75	20.79	20.79								
18	QPSK	1	74	20.75	20.84	20.78								
18	QPSK	36	0	20.83	20.94	20.91								
18	QPSK	36	25	20.80	20.77	20.77	22	0						
18	QPSK	36	39	20.62	20.70	20.74								
18	QPSK	75	0	20.82	20.98	20.88								
18	16QAM	1	0	20.80	20.88	20.88								
18	16QAM	1	37	20.77	20.83	20.79	22	0						
18	16QAM	1	74	20.80	20.86	20.78								
18	16QAM	36	0	20.71	20.86	20.71								
18	16QAM	36	20	20.71	20.86	20.74								
18	16QAM	36	25	20.78	20.81	20.81	22	0						
18	16QAM	75	0	20.78	20.81	20.81								
18	64QAM	1	0	20.83	21.06	20.86								
18	64QAM	1	37	20.86	20.89	20.77								
18	64QAM	1	74	20.74	20.85	20.70	22	0						
18	64QAM	36	0	20.76	20.86	20.75								
18	64QAM	36	20	20.76	20.86	20.74								
18	64QAM	36	39	20.62	20.81	20.80								
18	64QAM	75	0	20.77	20.81	20.88	22	0						
18	256QAM	1	0	20.80	20.88	20.88								
18	256QAM	1	37	17.88	18.03	17.78								
18	256QAM	1	74	17.83	17.71	17.73								
18	256QAM	36	0	17.86	17.85	17.85	19	3						
18	256QAM	36	20	17.69	17.78	17.77								
18	256QAM	36	39	17.66	17.78	17.67								
18	256QAM	75	0	17.78	17.80	17.80								
Channel														
Frequency (MHz)														
20	QPSK	1	0	20.89	21.00	20.92	22	0						
20	QPSK	1	25	20.78	20.93	20.89								
20	QPSK	1	49	20.78	20.80	20.73								
20	QPSK	12	0	20.80	20.82	20.80								
20	QPSK	25	12	20.77	20.77	20.76	22	0						
20	QPSK	25	25	20.63	20.78	20.73								
20	QPSK	50	0	20.79	20.89	20.88								
20	16QAM	1	0	20.80	20.97	20.82								
20	16QAM	1	26	20.74	20.76	20.79	22	0						
20	16QAM	1	49	20.76	20.77	20.78								
20	16QAM	25	0	20.77	20.91	20.79								
20	16QAM	25	12	20.68	20.86	20.74								
20	16QAM	36	0	20.67	20.84	20.82	22	0						
20	16QAM	50	0	20.76	20.81	20.85								
20	64QAM	1	0	20.89	21.00	20.93								
20	64QAM	1	24	20.77	20.85	20.77								
20	64QAM	1	49	20.84	20.80	20.89	22	0						
20	64QAM	25	0	20.79	20.88	20.74								
20	64QAM	25	12	20.68	20.80	20.77								
20	64QAM	25	25	20.65	20.66	20.62								
20	64QAM	50	0	20.71	20.91	20.81	22	0						
20	256QAM	1	0	17.87	18.03	17.82								
20	256QAM	1	26	17.88	17.99	17.74								
20	256QAM	1	49	17.71	17.75	17.65								
20	256QAM	25	0	17.80	17.85	17.85	19	3						
20	256QAM	25	12	17.74	17.71	17.77								
20	256QAM	25	25	17.64	17.74	17.74								
20	256QAM	50	0	17.82	17.86	17.79								
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.84	21.00	20.92	22	0						
5	QPSK	1	12	20.80	20.84	20.89								
5	QPSK	1	24	20.69	20.81	20.80								
5	QPSK	12	0	20.78	20.80	20.80								
5	QPSK	12	7	20.73	20.83	20.74	22	0						
5	QPSK	12	13	20.64	20.74	20.67								
5	QPSK	25	0	20.81	20.92	20.90								
5	16QAM	1	0	20.73	20.92	20.82								
5	16QAM	1	12	20.73	20.81	20.75	22	0						
5	16QAM	1	24	20.68	20.74	20.76								
5	16QAM	12	0	20.77	20.90	20.86								
5	16QAM	12	7	20.72	20.78	20.72								
5	16QAM	12	13	20.64	20.74	20.67	22	0						
5	16QAM	25	0	20.69	20.84	20.83								
5	64QAM	1	0	20.85	21.04	20.91								
5	64QAM	1	12	20.85	20.88	20.81								
5	64QAM	1	24	20.77	20.79	20.89	22	0						
5	64QAM	12	0	20.75	20.92	20.84								
5	64QAM	12	7	20.77	20.74	20.79								
5	64QAM	12	13	20.59	20.65	20.63								
5	64QAM	25	0	20.74	20.84	20.86	22	0						
5	256QAM	1	0	17.77	18.03	17.77								
5	256QAM	1	12	17.81	18.02	17.74								
5	256QAM	1	24	17.73	17.79	17.69								
5	256QAM	12	0	17.76	17.87	17.75	19	3						
5	256QAM	12	7	17.70	17.71	17.74								
5	256QAM	12	13	17.62	17.70	17.74								
5	256QAM	25	0	17.83	18.04	17.83	19	3						
5	256QAM	25	12	17.73	17.73	17.73								
5	256QAM	25	25	17.63	17.73	17.68								
Channel														
Frequency (MHz)														
3	QPSK	1	0	20.96	20.99	20.98					22	0		
3	QPSK	1	12	20.93	20.97	20.97								
3	QPSK	1	14	20.91	20.97	20.97								
3	QPSK	8	0	20.81	21.02	20.91								
3	QPSK	8	7	20.79	20.98	20.79	22	0						
3	QPSK	15	0	20.81	20.94	20.83								
3	QPSK	15	7	20.78	20.99	20.78								
3	16QAM	1	0	20.89	20.98	20.98								
3	16QAM	1	14	20.85	20.79	20.72	22	0						
3	16QAM	1	28	20.86	20.78	20.71								
3	16QAM	8	4	20.67	20.84	20.72								
3	16QAM	8	7	20.60	20.69	20.61								
3	16QAM	8	7	20.60	20.69	20.61	22	0						
3	16QAM	15	0	20.81	20.88	20.77								
3	16QAM	15	7	20.78	20.97	20.78								
3	64QAM	1	0	20.93	21.03	20.97								
3	64QAM	1	14	20.93	20.97	20.97	22	0						
3	64QAM	1	28	20.88	20.80	20.73								
3	64QAM	8	0	20.84	21.00	20.87								
3	64QAM	8	7	20.86	20.93	20.78								
3	64QAM	1	8	20.86	20.99	20.88	22	0						
3	64QAM	15	0	20.81	20.88	20.77								
3	64QAM	15	7	20.78	20.97	20.78								
3	256QAM	1	0	17.86	17.96	17.83								
3	256QAM	1	14	17.71	17.69	17.63	19	3						
3	256QAM	1	28	17.73	17.73	17.63								
3	256QAM	8	7	17.65	17.73	17.68								
3	256QAM	8	7	17.63	17.73	17.68								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	20.91	21.00	21.00	22	0						
1.4	QPSK	1	5	20.89	20.88	20.73								
1.4	QPSK	1	9	20.89	20.88	20.73								
1.4	QPSK	3	0	20.70	20.76	20.71								
1.4	QPSK	3	3	20.69	20.78	20.72	22	0						
1.4	QPSK	3	6	20.68	20.80	20.66								
1.4	QPSK	6	0	20.78	20.91	20.87								
1.4	16QAM	1	0	20.71	20.81	20.84								
1.4	16QAM	1	3	20.71	20.81	20.84	22	0						
1.4	16QAM	1	6	20.70	20.80	20.75								
1.4	16QAM	3	0	20.80	20.92	20.75								
1.4	16QAM	3	3	20.65	20.84	20.71								
1.4	16QAM	6	0	20.73	20.87	20.80	22	0						
1.4	16QAM	6	3	20.74	20.84	20.84								
1.4	16QAM	6	6	20.73	20.82	20.74								
1.4	16QAM	3	6	20.77	20.91	20.72								
1.4	16QAM	3	9	20.76	20.91	20.72	22	0						
1.4	16QAM	3	3	20.55	20.72	20.63								
1.4	64QAM	1	0	20.78	20.84	20.83								
1.4	64QAM	1	3	17.81	17.76	17.74								
1.4	256QAM	1	0	17.83	17.76	17.75	19	3						
1.4	256QAM	1	3	17.84	17.72	17.68								
1.4	256QAM	1	6	17.82	17.78	17.68								
1.4	256QAM	3	0	17.94	18.03	17.82								

Band 66 Default Ant1													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Middle Ch./F.Freq.	Power High Ch./F.Freq.	Time-up limit (sec)	MPR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	21.03	21.12	20.97	22	0					
20	QPSK	1	49	20.81	21.03	20.98							
20	QPSK	1	99	20.86	20.90	20.86							
20	QPSK	50	0	20.87	21.07	20.96							
20	QPSK	50	24	20.83	20.88	20.84	22	0					
20	QPSK	50	50	20.80	20.87	20.88							
20	QPSK	100	0	20.84	20.95	20.82							
20	16QAM	1	0	20.90	20.92	20.87							
20	16QAM	1	49	20.74	20.80	20.80	22	0					
20	16QAM	1	99	20.78	20.82	20.73							
20	16QAM	50	0	20.71	20.87	20.79							
20	16QAM	50	24	20.64	20.69	20.65							
20	16QAM	50	50	20.63	20.69	20.69	22	0					
20	16QAM	100	0	20.74	20.83	20.82							
20	64QAM	1	0	20.79	20.86	20.80							
20	64QAM	1	49	20.75	20.85	20.77							
20	64QAM	1	99	20.65	20.69	20.68	22	0					
20	64QAM	50	0	20.61	20.70	20.69							
20	64QAM	50	24	20.59	20.70	20.64							
20	64QAM	50	50	20.58	20.60	20.49							
20	256QAM	100	0	20.74	20.83	20.82	19	3					
20	256QAM	1	0	17.89	18.10	18.05							
20	256QAM	1	49	17.93	18.10	17.95							
20	256QAM	1	99	17.79	17.80	17.85							
20	256QAM	50	0	17.60	17.73	17.63	19	3					
20	256QAM	50	24	17.60	17.58	17.52							
20	256QAM	50	50	17.47	17.48	17.47							
20	256QAM	100	0	17.78	17.80	17.80							
Channel													
Frequency (MHz)													
15	QPSK	1	0	20.92	21.07	20.92	22	0					
15	QPSK	1	37	20.78	20.90	20.79							
15	QPSK	1	74	20.77	20.76	20.71							
15	QPSK	36	0	20.78	21.01	20.83							
15	QPSK	36	36	20.75	20.79	20.79	22	0					
15	QPSK	36	39	20.67	20.63	20.79							
15	QPSK	75	0	20.74	20.89	20.77							
15	16QAM	1	0	20.81	20.83	20.75							
15	16QAM	1	37	20.63	20.63	20.77	22	0					
15	16QAM	1	74	20.69	20.69	20.68							
15	16QAM	36	0	20.69	20.74	20.64							
15	16QAM	36	39	20.54	20.54	20.51							
15	16QAM	75	0	20.59	20.60	20.59	22	0					
15	16QAM	75	0	20.75	20.88	20.70							
15	64QAM	1	0	20.71	20.80	20.69							
15	64QAM	1	37	20.61	20.69	20.69							
15	64QAM	1	74	20.54	20.55	20.55	22	0					
15	64QAM	36	0	20.56	20.70	20.62							
15	64QAM	36	39	20.53	20.62	20.48							
15	64QAM	36	39	20.48	20.52	20.38							
15	64QAM	75	0	20.67	20.69	20.68	19	3					
15	256QAM	1	0	17.75	17.85	17.81							
15	256QAM	1	37	17.78	18.02	17.83							
15	256QAM	1	74	17.85	17.85	17.81							
15	256QAM	36	0	17.46	17.70	17.62	19	3					
15	256QAM	36	39	17.47	17.53	17.41							
15	256QAM	36	39	17.37	17.50	17.33							
15	256QAM	75	0	17.44	17.81	17.74							
Channel													
Frequency (MHz)													
10	QPSK	1	0	20.54	21.01	20.71	22	0					
10	QPSK	1	25	20.83	20.89	20.71							
10	QPSK	1	49	20.82	20.78	20.72							
10	QPSK	75	0	20.76	20.82	20.68							
10	QPSK	25	12	20.68	20.78	20.79	22	0					
10	QPSK	25	25	20.76	20.81	20.74							
10	QPSK	50	0	20.74	20.82	20.68							
10	16QAM	1	0	20.81	20.83	20.74							
10	16QAM	1	25	20.66	20.75	20.74	22	0					
10	16QAM	1	49	20.73	20.76	20.64							
10	16QAM	25	0	20.58	20.81	20.69							
10	16QAM	25	12	20.54	20.58	20.60							
10	16QAM	50	0	20.56	20.65	20.48	22	0					
10	16QAM	50	0	20.80	20.82	20.68							
10	64QAM	1	0	20.72	20.86	20.71							
10	64QAM	1	25	20.81	20.75	20.64							
10	64QAM	1	49	20.51	20.55	20.58	22	0					
10	64QAM	25	0	20.47	20.71	20.57							
10	64QAM	25	12	20.48	20.46	20.43							
10	64QAM	25	25	20.47	20.46	20.45							
10	64QAM	50	0	20.67	20.79	20.75	22	0					
10	256QAM	1	0	17.68	17.67	17.82							
10	256QAM	1	25	17.88	17.95	17.87							
10	256QAM	1	49	17.65	17.75	17.79							
10	256QAM	25	0	17.53	17.62	17.59	19	3					
10	256QAM	25	12	17.57	17.50	17.45							
10	256QAM	25	25	17.36	17.46	17.43							
10	256QAM	50	0	17.65	17.65	17.78							
Channel													
Frequency (MHz)													
5	QPSK	1	0	20.51	20.82	20.41	22	0					
5	QPSK	1	12	20.85	20.50	20.79							
5	QPSK	1	24	20.80	20.62	20.68							
5	QPSK	12	0	20.75	20.36	20.80							
5	QPSK	12	7	20.76	20.79	20.71	22	0					
5	QPSK	12	13	20.67	20.60	20.79							
5	QPSK	25	0	20.73	20.81	20.67							
5	16QAM	1	0	20.81	20.80	20.76							
5	16QAM	1	12	20.64	20.73	20.75	22	0					
5	16QAM	1	24	20.75	20.73	20.60							
5	16QAM	12	0	20.67	20.72	20.84							
5	16QAM	12	7	20.58	20.57	20.60							
5	16QAM	12	13	20.50	20.52	20.54	22	0					
5	16QAM	25	0	20.76	20.88	20.69							
5	64QAM	1	0	20.70	20.83	20.66							
5	64QAM	1	12	20.65	20.77	20.64							
5	64QAM	1	24	20.62	20.54	20.61	22	0					
5	64QAM	12	0	20.53	20.67	20.60							
5	64QAM	12	7	20.48	20.48	20.49							
5	64QAM	12	13	20.50	20.53	20.39							
5	64QAM	25	0	20.70	20.77	20.76	22	0					
5	256QAM	1	0	17.82	18.02	17.83							
5	256QAM	1	12	17.80	17.98	17.82							
5	256QAM	1	24	17.70	17.75	17.71							
5	256QAM	12	0	17.65	17.49	17.60	19	3					
5	256QAM	12	7	17.54	17.50	17.47							
5	256QAM	12	13	17.3	17.31	17.44	19	3					
5	256QAM	25	0	17.64	17.68	17.78							
Channel													
Frequency (MHz)													
3	QPSK	1	0	20.91	21.06	20.92	22	0					
3	QPSK	1	12	20.85	20.91	20.86							
3	QPSK	1	14	20.75	20.88	20.80							
3	QPSK	8	0	20.73	20.63	20.86							
3	QPSK	8	7	20.67	20.60	20.79	22	0					
3	QPSK	8	7	20.69	20.62	20.65							
3	QPSK	16	0	20.79	20.84	20.78							
3	16QAM	1	0	20.82	20.82	20.76							
3	16QAM	1	8	20.63	20.77	20.73	22	0					
3	16QAM	1	14	20.79	20.68	20.87							
3	16QAM	8	0	20.65	20.63	20.74							
3	16QAM	8	4	20.55	20.53	20.58							
3	16QAM	8	7	20.59	20.61	20.55	22	0					
3	16QAM	8	7	20.57	20.58	20.57							
3	16QAM	16	0	20.69	20.82	20.64							
3	16QAM	1	8	20.64	20.72	20.84							
3	16QAM	8	4	20.53	20.57	20.60	22	0					
3	16QAM	8	4	20.45	20.61	20.48							
3	16QAM	8	7	20.49	20.53	20.43							
3	16QAM	16	0	20.71	20.71	20.70							
3	16QAM	1	0	17.84	18.06	17.89	22	0					
3	16QAM	1	8	17.81	17.83	17.84							
3	16QAM	8	4	17.47	17.47	17.48							
3	16QAM	8	4	17.45	17.47	17.48							
3	16QAM	8	7	17.36	17.65	17.37	22	0					
3	16QAM	16	0	17.82	18.02	17.81							
3	16QAM	1	8	17.86	17.75	17.88							
3	16QAM	1	8	17.87	17.88	17.83							
3	16QAM	8	4	17.45	17.47	17.48	22	0					
3	16QAM	8	4	17.47	17.48	17.47							
3	16QAM	8	7	17.36	17.65	17.37							
3	16QAM	16	0	17.82	18.02	17.81							
3	16QAM	1	8	17.86	17.75	17.88	18.5	3.5					
3	16QAM	1	8	17.87	17.88	17.83							
3	16QAM	8	4	17.45	17.47	17.48							
3	16QAM	8	4	17.47	17.48	17.47							
3	16QAM	8	7	17.36	17.65	17.37	18.5	3.5					
3	16QAM	16	0	17.86	17.83	17.88							
3	16QAM	1	8	17.87	17.88	17.83							
3	16QAM	1	8	17.87	17.88	17.83							



Band 38 Default Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel				37860	38000	38160				
Frequency (MHz)				22.41	22.53	22.40				
20	QPSK	1	0	22.41	22.53	22.40	23	0		
20	QPSK	1	49	22.32	22.35	22.39				
20	QPSK	1	89	22.26	22.29	22.29				
20	QPSK	50	0	22.29	22.40	22.30				
20	QPSK	50	24	22.24	22.36	22.32	23	0		
20	QPSK	50	50	22.24	22.28	22.28				
20	QPSK	100	0	22.28	22.45	22.33				
20	16QAM	1	0	22.36	22.61	22.39	23	0		
20	16QAM	1	49	22.31	22.35	22.35				
20	16QAM	1	99	22.27	22.39	22.24				
20	16QAM	50	0	21.97	22.14	21.95				
20	16QAM	50	24	21.91	21.95	21.95	23	0		
20	16QAM	50	50	21.88	21.92	21.89				
20	16QAM	100	0	21.85	22.08	21.90				
20	64QAM	1	0	22.29	22.47	22.25				
20	64QAM	1	49	22.28	22.36	22.28	23	0		
20	64QAM	1	99	22.16	22.28	22.22				
20	64QAM	50	0	21.93	22.11	22.00				
20	64QAM	50	24	21.89	22.03	21.90	22.5	0.5		
20	64QAM	50	50	21.80	21.94	21.85				
20	64QAM	100	0	21.81	22.05	21.96				
20	256QAM	1	0	18.83	19.00	18.85				
20	256QAM	1	49	18.79	18.90	18.75	20.5	2.5		
20	256QAM	1	99	18.76	18.77	18.79				
20	256QAM	36	0	18.86	18.87	18.87				
20	256QAM	50	24	18.97	19.06	18.95	20.5	2.5		
20	256QAM	50	50	18.89	18.95	18.84				
20	256QAM	100	0	18.90	18.75	18.89				
Channel				37860	38000	38175	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				22.47	22.45	22.41				
16	QPSK	1	0	22.26	22.49	22.41	23	0		
16	QPSK	1	37	22.19	22.23	22.30				
16	QPSK	1	74	22.12	22.20	22.21				
16	QPSK	36	0	22.23	22.33	22.34	23	0		
16	QPSK	36	20	22.14	22.22	22.19				
16	QPSK	75	0	22.18	22.39	22.23	23	0		
16	16QAM	1	0	22.26	22.39	22.27				
16	16QAM	1	37	22.21	22.24	22.29	23	0		
16	16QAM	1	74	22.15	22.25	22.15				
16	16QAM	36	0	21.94	22.08	21.82				
16	16QAM	36	20	21.82	21.84	21.80	23	0		
16	16QAM	36	39	21.78	21.84	21.88				
16	16QAM	75	0	21.81	22.06	21.94				
16	64QAM	1	0	22.15	22.37	22.36				
16	64QAM	1	37	22.17	22.38	22.23	23	0		
16	64QAM	1	74	22.08	22.11	22.15				
16	64QAM	36	0	21.85	21.98	21.87				
16	64QAM	36	20	21.83	21.92	21.78	22.5	0.5		
16	64QAM	36	39	21.82	21.91	21.95				
16	64QAM	75	0	21.92	22.17	22.05				
16	256QAM	1	0	18.77	18.90	18.81				
16	256QAM	1	37	18.70	18.81	18.75	20.5	2.5		
16	256QAM	1	74	18.67	18.74	18.74				
16	256QAM	36	0	18.86	19.11	18.92				
16	256QAM	36	20	18.93	18.94	18.95	20.5	2.5		
16	256QAM	36	39	18.85	18.88	18.84				
16	256QAM	75	0	18.89	18.70	18.89				
Channel				37860	38000	38200	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				22.47	22.45	22.43				
10	QPSK	1	0	22.26	22.47	22.41	23	0		
10	QPSK	1	25	22.23	22.30	22.27				
10	QPSK	1	49	22.19	22.21	22.25				
10	QPSK	25	0	22.23	22.36	22.27	23	0		
10	QPSK	25	12	22.21	22.29	22.25				
10	QPSK	25	25	22.14	22.20	22.22				
10	QPSK	50	0	22.14	22.37	22.25				
10	16QAM	1	0	22.25	22.38	22.31				
10	16QAM	1	25	22.27	22.23	22.18	23	0		
10	16QAM	1	49	22.16	22.78	22.12				
10	16QAM	25	0	21.85	22.03	21.80				
10	16QAM	25	12	21.87	21.81	21.86				
10	16QAM	25	25	21.78	21.85	21.77	23	0		
10	16QAM	50	0	21.87	22.00	21.86				
10	64QAM	1	0	22.16	22.33	22.27				
10	64QAM	1	25	22.21	22.31	22.23	23	0		
10	64QAM	1	49	22.03	22.10	22.12				
10	64QAM	25	0	21.78	22.07	21.87				
10	64QAM	25	12	21.78	21.97	21.78	22.5	0.5		
10	64QAM	25	25	21.77	21.87	21.71				
10	64QAM	50	0	21.77	21.95	21.81				
10	256QAM	1	0	18.76	18.92	18.70				
10	256QAM	1	25	18.84	18.91	18.72	20.5	2.5		
10	256QAM	1	49	18.82	18.73	18.85				
10	256QAM	25	0	18.83	18.11	18.88				
10	256QAM	25	12	18.85	19.03	18.80	20.5	2.5		
10	256QAM	25	25	18.77	18.84	18.87				
10	256QAM	50	0	18.91	18.04	18.85				
Channel				37775	38000	38225	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				22.26	22.40	22.44				
5	QPSK	1	0	22.26	22.40	22.44	23	0		
5	QPSK	1	12	22.27	22.21	22.34				
5	QPSK	1	24	22.17	22.17	22.21				
5	QPSK	12	0	22.16	22.34	22.28				
5	QPSK	12	7	22.12	22.26	22.22	23	0		
5	QPSK	12	13	22.21	22.21	22.17				
5	QPSK	25	0	22.21	22.31	22.25				
5	16QAM	1	0	22.31	22.41	22.34				
5	16QAM	1	12	22.21	22.24	22.13	23	0		
5	16QAM	1	24	22.13	22.17	22.18				
5	16QAM	12	0	21.89	22.08	21.90				
5	16QAM	12	7	21.81	21.89	21.88	23	0		
5	16QAM	12	13	21.80	21.88	21.85				
5	16QAM	25	0	21.85	22.04	21.95				
5	64QAM	1	0	22.20	22.35	22.24				
5	64QAM	1	12	22.14	22.25	22.20	23	0		
5	64QAM	1	24	22.04	22.14	22.08				
5	64QAM	12	0	21.86	22.08	21.86				
5	64QAM	12	7	21.78	21.88	21.82	22.5	0.5		
5	64QAM	12	13	21.76	21.79	21.73				
5	64QAM	25	0	21.76	21.96	21.80				
5	256QAM	1	0	18.73	18.88	18.71				
5	256QAM	1	12	18.72	18.87	18.66	20.5	2.5		
5	256QAM	1	24	18.64	18.73	18.70				
5	256QAM	12	0	18.87	19.09	18.90				
5	256QAM	12	7	18.82	18.81	18.84	20.5	2.5		
5	256QAM	12	13	18.85	18.88	18.90				
5	256QAM	25	0	18.95	19.08	18.91				

Band 41 FCC&IC Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power High Ch / Freq	Power High Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41500		
Frequency (MHz)				23.69	23.70	23.74	23.75	23.78		
20	QPSK	1	0	23.67	23.70	23.75	23.74	23.78	24.00	0
20	QPSK	1	49	23.55	23.62	23.65	23.71	23.72	24	0
20	QPSK	50	0	23.48	23.56	23.59	23.59	23.68		
20	QPSK	50	50	23.56	23.66	23.67	23.72	23.78		
20	QPSK	50	24	23.50	23.61	23.64	23.64	23.72	23	1
20	QPSK	50	49	23.60	23.62	23.63	23.67	23.74		
20	QPSK	100	0	23.60	22.58	22.59	22.59	22.59		
20	16QAM	1	0	22.80	22.87	22.88	22.75	22.77	23	1
20	16QAM	1	49	22.88	22.82	22.81	22.72	22.72		
20	16QAM	1	50	22.87	22.78	22.72	22.62	22.64		
20	16QAM	50	0	21.87	21.90	21.80	21.65	21.77		
20	16QAM	50	49	21.84	21.59	21.59	21.62	21.68	22	2
20	16QAM	50	50	21.49	21.55	21.66	21.70	21.75		
20	16QAM	100	0	21.69	21.68	21.50	21.74	21.77		
20	64QAM	1	0	21.64	21.64	21.50	21.64	21.68	22	2
20	64QAM	1	49	21.72	21.74	21.69	21.64	21.77		
20	64QAM	1	50	21.60	21.60	21.50	21.60	21.65		
20	64QAM	50	0	20.65	20.65	20.74	20.53	20.70		
20	64QAM	50	24	20.62	20.58	20.66	20.51	20.41	21	3
20	64QAM	50	49	20.60	20.48	20.57	20.42	20.58		
20	64QAM	100	0	20.68	20.67	20.70	20.70	20.75		
20	256QAM	1	0	18.82	18.49	18.70	18.50	18.69		
20	256QAM	1	49	18.84	18.47	18.70	18.50	18.59	19	5
20	256QAM	1	50	18.43	18.43	18.53	18.51	18.58		
20	256QAM	50	0	18.79	18.57	18.67	18.50	18.74		
20	256QAM	50	24	18.61	18.59	18.54	18.52	18.62	19	5
20	256QAM	50	50	18.77	18.53	18.61	18.53	18.61		
Channel				39750	40173	40620	41058	41515	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				23.67 <th>23.63<th>23.70<th>23.74<th>23.78<th></th><th></th></th></th></th></th>	23.63 <th>23.70<th>23.74<th>23.78<th></th><th></th></th></th></th>	23.70 <th>23.74<th>23.78<th></th><th></th></th></th>	23.74 <th>23.78<th></th><th></th></th>	23.78 <th></th> <th></th>		
15	QPSK	1	37	23.35	23.42	23.45	23.51	23.52	24.00	0
15	QPSK	1	74	23.29	23.38	23.42	23.48	23.49		
15	QPSK	36	0	22.38	22.36	22.38	22.46	22.48	24	0
15	QPSK	36	20	22.30	22.31	22.44	22.34	22.27		
15	QPSK	36	50	22.30	22.32	22.42	22.32	22.27		
15	QPSK	75	0	22.40	22.38	22.49	22.39	22.38		
15	16QAM	1	0	22.80	22.47	22.68	22.59	22.57	23	1
15	16QAM	1	49	22.48	22.42	22.49	22.42	22.52		
15	16QAM	1	74	22.47	22.38	22.52	22.42	22.44		
15	16QAM	36	0	21.47	21.49	21.60	21.45	21.57		
15	16QAM	36	20	21.44	21.39	21.52	21.42	21.39	22	2
15	16QAM	36	50	21.25	21.33	21.45	21.30	21.25		
15	64QAM	1	0	21.50	21.50	21.50	21.50	21.57		
15	64QAM	1	49	21.50	21.58	21.51	21.50	21.60		
15	64QAM	1	74	21.52	21.54	21.64	21.43	21.47	22	2
15	64QAM	36	0	21.30	21.41	21.45	21.41	21.25		
15	64QAM	36	20	20.48	20.48	20.54	20.42	20.50		
15	64QAM	36	50	20.26	20.38	20.46	20.41	20.21	21	3
15	64QAM	75	0	20.48	20.47	20.50	20.41	20.39		
15	256QAM	1	0	18.42	18.42	18.50	18.45	18.46		
15	256QAM	1	37	18.44	18.27	18.50	18.35	18.49	19	5
15	256QAM	1	74	18.23	18.23	18.33	18.31	18.18		
15	256QAM	36	0	18.58	18.46	18.61	18.46	18.54		
15	256QAM	36	20	18.41	18.39	18.44	18.42	18.42	19	5
15	256QAM	36	50	18.31	18.33	18.41	18.43	18.39		
15	256QAM	75	0	18.37	18.55	18.41	18.35	18.43		
Channel				39750	40140	40620	41059	41505	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				23.64 <th>23.66<th>23.73<th>23.74<th>23.75<th></th><th></th></th></th></th></th>	23.66 <th>23.73<th>23.74<th>23.75<th></th><th></th></th></th></th>	23.73 <th>23.74<th>23.75<th></th><th></th></th></th>	23.74 <th>23.75<th></th><th></th></th>	23.75 <th></th> <th></th>		
15	QPSK	1	25	23.43	23.44	23.57	23.30	23.42	24.00	0
15	QPSK	1	64	23.37	23.45	23.57	23.37	23.37		
15	QPSK	25	0	22.53	22.53	22.62	22.48	22.57		
15	QPSK	25	12	22.46	22.46	22.58	22.46	22.48		
15	QPSK	25	25	22.37	22.37	22.49	22.37	22.40		
15	QPSK	50	0	22.48	22.44	22.65	22.48	22.52		
15	16QAM	1	0	22.89	22.53	22.78	22.61	22.64	23	1
15	16QAM	1	49	22.59	22.56	22.66	22.56	22.64		
15	16QAM	1	64	22.63	22.54	22.65	22.48	22.57		
15	16QAM	25	0	21.59	21.59	21.72	21.42	21.67		
15	16QAM	25	12	21.57	21.56	21.73	21.42	21.58	22	2
15	16QAM	25	25	21.49	21.47	21.58	21.48	21.53		
15	64QAM	1	0	21.68	21.54	21.74	21.54	21.68		
15	64QAM	1	49	21.75	21.60	21.70	21.73	21.81		
15	64QAM	1	25	21.68	21.69	21.69	21.68	21.69	22	2
15	64QAM	25	0	21.52	21.49	21.62	21.47	21.47		
15	64QAM	25	0	20.56	20.55	20.76	20.50	20.59		
15	64QAM	25	12	20.42	20.50	20.52	20.45	20.30	21	3
15	64QAM	25	25	20.39	20.42	20.49	20.48	20.48		
15	64QAM	50	0	20.69	20.52	20.67	20.57	20.47		
15	256QAM	1	0	18.49	18.49	18.51	18.49	18.50		
15	256QAM	1	25	18.52	18.40	18.54	18.42	18.53	19	5
15	256QAM	1	49	18.35	18.29	18.50	18.46	18.30		
15	256QAM	25	0	18.48	18.52	18.48	18.48	18.48		
15	256QAM	25	12	18.49	18.48	18.46	18.56	18.51	19	5
15	256QAM	25	25	18.40	18.48	18.51	18.51	18.49		
Channel				39675	40140	40620	41059	41505	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				23.58	23.58	23.61 <th>23.61<th>23.65<th></th><th></th></th></th>	23.61 <th>23.65<th></th><th></th></th>	23.65 <th></th> <th></th>		
5	QPSK	1	12	23.50	23.51	23.51	23.49	23.47	24.00	0
5	QPSK	1	24	23.43	23.45	23.52	23.45	23.39		
5	QPSK	12	0	22.47	22.41	22.68	22.51	22.62		
5	QPSK	12	7	22.38	22.48	22.60	22.41	22.52		
5	QPSK	25	0	22.43	22.29	22.49	22.35	22.48	23	1
5	QPSK	25	0	22.54	22.52	22.62	22.47	22.52		
5	16QAM	1	0	22.89	22.57	22.84	22.67	22.83	23	1
5	16QAM	1	12	22.89	22.56	22.84	22.67	22.83		
5	16QAM	1	24	22.57	22.52	22.62	22.56	22.58		
5	16QAM	12	0	21.61	21.56	21.68	21.56	21.66	22	2
5	16QAM	12	7	21.60	21.49	21.57	21.51	21.54		
5	16QAM	12	13	21.55	21.43	21.52	21.42	21.39		
5	64QAM	1	0	21.59	21.54	21.65	21.45	21.63		
5	64QAM	1	0	21.75	21.63	21.75	21.61	21.77		
5	64QAM	1	12	21.62	21.59	21.63	21.61	21.61	22	2
5	64QAM	1	24	21.44	21.37	21.47	21.37	21.48		
5	64QAM	12	0	20.66	20.50	20.73	20.44	20.57		
5	64QAM	12	7	20.42	20.42	20.56	20.47	20.39	21	3
5	64QAM	12	13	20.49	20.49	20.54	20.49	20.48		
5	64QAM	25	0	20.68	20.62	20.55	20.67	20.51		
5	256QAM	1	0	18.49	18.49	18.51	18.49	18.50		
5	256QAM	1	12	18.50	18.38	18.59	18.43	18.45	19	5
5	256QAM	1	24	18.38	18.37	18.48	18.47	18.29		
5	256QAM	12	0	18.44	18.53	18.49	18.49	18.49		
5	256QAM	12	7	18.50	18.45	18.59	18.51	18.58		
5	256QAM	12	13	18.37	18.49	18.53	18.52	18.44		
5	256QAM	25	0	18.47	18.47	18.51	18.51	18.43		

Band 41 PC2 FCC&IC Ant1																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Low-Mid Ch / Freq	Power High-Mid Ch / Freq	Power High-Mid Ch / Freq	Turn-up Int (dB)	MPE (dB)						
Channel																
Frequency (MHz)																
20	QPSK	1	0	25.50	25.47	25.44	25.41	25.38	27	0						
20	QPSK	1	49	25.33	25.40	25.58	25.35	25.53								
20	QPSK	50	0	25.30	25.33	25.51	25.35	25.41	27	0						
20	QPSK	50	49	25.33	25.30	25.40	25.28	25.37								
20	QPSK	50	24	25.27	25.39	25.48	25.27	25.33	27	0						
20	QPSK	50	50	25.15	25.22	25.45	25.18	25.25								
20	QPSK	100	0	25.19	25.19	25.38	25.22	25.28	27	0						
20	16QAM	1	0	25.18	25.28	25.42	25.23	25.34								
20	16QAM	1	49	25.20	25.14	25.39	25.18	25.28	26	1						
20	16QAM	1	99	25.16	25.13	25.30	25.12	25.27								
20	16QAM	50	0	24.29	24.40	24.55	24.34	24.44	26	1						
20	16QAM	50	24	24.32	24.28	24.50	24.27	24.42								
20	16QAM	50	50	24.21	24.24	24.46	24.22	24.39	26	1						
20	16QAM	100	0	24.25	24.23	24.42	24.19	24.36								
20	64QAM	1	0	24.57	24.55	24.85	24.57	24.75	26	1						
20	64QAM	1	49	24.55	24.53	24.74	24.54	24.66								
20	64QAM	1	99	24.52	24.51	24.70	24.50	24.65	26	1						
20	64QAM	50	0	23.37	23.35	23.55	23.38	23.46								
20	64QAM	50	24	23.33	23.33	23.53	23.31	23.45	26	2						
20	64QAM	50	50	23.35	23.35	23.49	23.33	23.44								
20	64QAM	100	0	23.23	23.29	23.44	23.31	23.33	23	4						
20	256QAM	1	0	21.51	21.49	21.68	21.44	21.58								
20	256QAM	1	49	21.43	21.41	21.61	21.42	21.52	23	4						
20	256QAM	1	99	21.30	21.36	21.59	21.41	21.51								
20	256QAM	50	24	21.27	21.23	21.48	21.24	21.39	23	4						
20	256QAM	50	50	21.23	21.26	21.41	21.20	21.35								
20	256QAM	100	0	21.15	21.13	21.34	21.15	21.24	23	4						
Channel																
Frequency (MHz)																
15	QPSK	1	0	25.47	25.43	25.51	25.43	25.51			27.00	0				
15	QPSK	1	37	25.29	25.33	25.48	25.29	25.46								
15	QPSK	1	74	25.15	25.26	25.36	25.24	25.30	27	0						
15	QPSK	38	0	25.25	25.24	25.46	25.24	25.42								
15	QPSK	38	20	25.13	25.15	25.43	25.21	25.21	27	0						
15	QPSK	38	50	25.08	25.07	25.35	25.08	25.12								
15	QPSK	75	0	25.04	25.06	25.28	25.17	25.24	27	0						
15	16QAM	1	0	25.05	25.14	25.30	25.18	25.28								
15	16QAM	1	37	25.06	25.11	25.27	25.09	25.20	26	1						
15	16QAM	1	74	25.10	25.00	25.39	25.07	25.21								
15	16QAM	38	0	24.17	24.33	24.39	24.24	24.35	26	1						
15	16QAM	38	20	24.25	24.18	24.44	24.15	24.31								
15	16QAM	38	50	24.11	24.09	24.37	24.10	24.26	26	1						
15	16QAM	75	0	24.20	24.08	24.25	24.05	24.17								
15	64QAM	1	0	24.44	24.57	24.72	24.47	24.70	26	1						
15	64QAM	1	37	24.49	24.48	24.63	24.46	24.55								
15	64QAM	1	74	24.42	24.42	24.62	24.38	24.51	26	2						
15	64QAM	38	0	23.26	23.32	23.47	23.28	23.33								
15	64QAM	38	20	23.23	23.28	23.40	23.19	23.34	26	2						
15	64QAM	38	50	23.19	23.25	23.32	23.15	23.25								
15	256QAM	1	0	21.44	21.44	21.54	21.33	21.43	23	4						
15	256QAM	1	37	21.35	21.35	21.48	21.28	21.45								
15	256QAM	1	74	21.25	21.29	21.52	21.31	21.41	23	4						
15	256QAM	38	0	21.28	21.27	21.39	21.26	21.30								
15	256QAM	38	20	21.12	21.14	21.18	21.18	21.27	23	4						
15	256QAM	38	50	21.14	21.22	21.37	21.12	21.30								
15	256QAM	75	0	21.08	21.19	21.21	21.00	21.15	23	4						
Channel																
Frequency (MHz)																
10	QPSK	1	0	25.48	25.41	25.53	25.43	25.55			27.00	0				
10	QPSK	1	25	25.25	25.31	25.48	25.25	25.42								
10	QPSK	1	49	25.21	25.18	25.38	25.17	25.37	27	0						
10	QPSK	25	12	25.02	25.06	25.25	25.02	25.32								
10	QPSK	25	12	25.17	25.21	25.43	25.22	25.26	27	0						
10	QPSK	25	25	25.04	25.13	25.35	25.10	25.14								
10	QPSK	50	0	25.15	25.08	25.31	25.14	25.24	27	0						
10	16QAM	1	0	25.06	25.20	25.30	25.17	25.24								
10	16QAM	1	49	25.08	25.09	25.33	25.12	25.20	26	1						
10	16QAM	1	99	25.09	25.07	25.30	25.17	25.24								
10	16QAM	25	0	24.21	24.28	24.44	24.25	24.39	26	1						
10	16QAM	25	12	24.23	24.19	24.46	24.19	24.29								
10	16QAM	25	25	24.13	24.11	24.43	24.17	24.36	26	1						
10	16QAM	50	0	24.17	24.12	24.31	24.18	24.22								
10	64QAM	1	0	24.44	24.58	24.74	24.49	24.63	26	1						
10	64QAM	1	25	24.43	24.46	24.60	24.49	24.61								
10	64QAM	1	49	24.38	24.51	24.59	24.41	24.56	26	2						
10	64QAM	25	0	23.23	23.28	23.51	23.31	23.36								
10	64QAM	25	12	23.29	23.27	23.41	23.17	23.32	26	2						
10	64QAM	25	25	23.25	23.12	23.45	23.19	23.38								
10	64QAM	50	0	23.14	23.16	23.35	23.25	23.25	23	4						
10	256QAM	1	0	21.45	21.46	21.59	21.35	21.48								
10	256QAM	1	25	21.29	21.34	21.51	21.37	21.46	23	4						
10	256QAM	1	49	21.26	21.25	21.45	21.33	21.42								
10	256QAM	25	0	21.33	21.29	21.44	21.25	21.41	23	4						
10	256QAM	25	12	21.31	21.11	21.35	21.16	21.30								
10	256QAM	25	25	21.11	21.14	21.27	21.11	21.23	23	4						
10	256QAM	50	0	21.04	21.04	21.24	21.09	21.18								
Channel																
Frequency (MHz)																
5	QPSK	1	0	25.47	25.47	25.51	25.47	25.51	27.00	0						
5	QPSK	1	12	25.22	25.27	25.44	25.26	25.43								
5	QPSK	1	25	25.18	25.25	25.48	25.24	25.41	27	0						
5	QPSK	12	0	25.20	25.27	25.39	25.21	25.32								
5	QPSK	12	7	25.17	25.25	25.32	25.23	25.29	27	0						
5	QPSK	25	0	25.09	25.19	25.32	25.19	25.25								
5	16QAM	1	0	25.10	25.24	25.38	25.12	25.17	27	0						
5	16QAM	1	12	25.09	25.18	25.32	25.19	25.23								
5	16QAM	1	25	25.08	25.17	25.32	25.09	25.23	26	1						
5	16QAM	1	49	25.07	25.02	25.25	25.04	25.16								
5	16QAM	12	7	24.24	24.28	24.44	24.12	24.36	26	1						
5	16QAM	12	13	24.21	24.13	24.32	24.16	24.38								
5	16QAM	25	0	24.18	24.18	24.41	24.15	24.42	26	2						
5	16QAM	25	1	24.15	24.13	24.41	24.13	24.41								
5	64QAM	1	0	24.50	24.63	24.72	24.48	24.72	26	1						
5	64QAM	1	12	24.48	24.43	24.68	24.39	24.60								
5	64QAM	1	24	24.41	24.41	24.61	24.37	24.58	26	2						
5	64QAM	12	0	23.24	23.31	23.46	23.31	23.31								
5	64QAM	12	7	23.20	23.29	23.44	23.24	23.42	26	2						
5	64QAM	12	13	23.18	23.11	23.34	23.13	23.37								
5	64QAM	25	0	23.11	23.21	23.33	23.19	23.29	23	4						
5	256QAM	1	0	21.38	21.38	21.51	21.18	21.43								
5	256QAM	1	12	21.33	21.36	21.50	21.28	21.49	23	4						
5	256QAM	1	24	21.23	21.29	21.49	21.37	21.59								
5	256QAM	12	0	21.24	21.19	21.34	21.12	21.33	23	4						
5	256QAM	12	7	21.16	21.18	21.38	21.11	21.33								
5	256QAM	12	13	21.14	21.13	21.33	21.12	21.31	23	4						
5	256QAM	25	0	21.01	21.08	21.21	21.03	21.19								
Channel																
Frequency (MHz)																

OSM1600 AWG											
Build Average Power (dBm)				Tune-up				Frame Average Power (dBm)			
Limit (dBm)	812	861	810	Limit	812	861	810	Limit	812	861	810
Tx Channel	812	861	810	Limit	812	861	810	Limit	812	861	810
Transmit (dBm)	180.3	180.3	180.3	(dBm)	180.3	180.3	180.3	(dBm)	180.3	180.3	180.3
OSM 1 Tx Mit	28.25	28.33	28.19	28.09	19.25	18.93	19.10	20.00			
OPMS 1 Tx Mit	28.23	28.28	28.13	28.00	19.23	19.08	19.13	20.00			
OPMS 2 Tx Mit	25.48	25.53	25.40	25.00	17.48	19.53	17.60	20.00			
OPMS 3 Tx Mit	23.98	24.13	24.00	23.00	15.72	19.07	19.74	20.74			
OPMS 4 Tx Mit	21.05	22.00	21.98	23.00	13.05	19.09	13.08	20.00			
EDGE 1 Tx Mit	23.59	23.64	23.61	24.00	14.59	14.64	14.61	15.59			
EDGE 2 Tx Mit	21.56	22.53	21.52	23.00	13.56	16.53	15.52	17.58			
EDGE 3 Tx Mit	20.78	20.83	20.70	21.00	15.52	16.59	16.44	17.24			
EDGE 4 Tx Mit	18.71	18.74	18.68	19.00	15.71	15.74	15.68	16.00			

HCCMA I AWG											
Build				Tune-up				HCCMA IV AWG			
Tx Channel				Tx Channel				Tx Channel			
Rx Channel				Rx Channel				Rx Channel			
Transmit (dBm)	9862	9860	9858	Limit	15312	15311	15313	Limit	15312	15311	15313
OSPP Rel 50	21.58	21.55	21.48	22.00	21.45	21.44	21.37	23.00			
OSPP Rel 50	21.54	21.52	21.49	22.00	21.47	21.53	21.44	23.00			
OSPP Rel 5	20.83	20.74	20.49	21.00	20.37	20.68	20.52	22.00			
OSPP Rel 5	20.58	20.60	20.53	21.00	20.47	20.67	20.43	22.00			
OSPP Rel 5	20.11	20.22	20.34	21.00	19.51	20.24	19.69	21.00			
OSPP Rel 5	20.02	20.18	20.09	21.49	19.98	20.06	20.02	21.59			
OSPP Rel 5	20.55	20.73	20.51	21.56	20.46	20.56	20.39	22.00			
OSPP Rel 5	20.34	20.41	20.40	21.55	20.25	20.37	20.31	22.00			
OSPP Rel 5	19.88	19.98	19.94	21.46	19.89	19.87	19.83	21.59			
OSPP Rel 5	19.93	19.95	19.93	21.49	19.78	19.90	19.84	21.59			
OSPP Rel 5	20.59	20.72	20.71	21.00	20.49	20.65	20.60	22.00			
OSPP Rel 5	19.59	19.60	19.45	19.00	19.46	19.49	19.39	20.00			
OSPP Rel 5	19.58	19.60	19.60	20.00	19.48	19.51	19.48	21.00			
OSPP Rel 5	18.43	18.57	18.41	19.00	18.38	18.44	18.33	20.00			
OSPP Rel 5	20.05	20.02	20.08	21.00	20.48	20.53	20.49	22.00			



Band 2 Ant2									
BW [MHz]	Modulation	RIS Size	RIS Offset	Power Mod Ch / Freq	Power Mod Ch / Freq	Power Mod Ch / Freq	Turn-up time (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.12	21.24	21.07			
20	QPSK	1	49	20.95	21.07	20.97	22	0	
20	QPSK	1	99	20.92	21.04	20.92			
20	QPSK	50	0	21.06	21.20	21.10			
20	QPSK	50	24	20.94	21.02	20.99			
20	QPSK	50	50	20.88	21.01	20.96	22	0	
20	QPSK	100	0	21.01	21.12	21.03			
20	QPSK	100	24	21.06	21.18	21.08			
20	QPSK	1	49	20.94	21.03	20.99	22	0	
20	QPSK	1	99	20.90	20.99	20.93			
20	QPSK	50	0	20.93	21.00	20.96			
20	QPSK	50	24	20.92	20.99	20.94	22	0	
20	QPSK	50	50	20.76	20.86	20.81			
20	QPSK	100	0	20.90	21.00	20.95			
20	QPSK	1	0	20.97	21.10	21.10			
20	QPSK	1	49	21.01	21.05	21.02	22	0	
20	QPSK	1	99	20.93	21.00	20.96			
20	QPSK	50	0	19.87	19.97	19.94			
20	QPSK	50	24	19.79	19.90	19.73	21	1	
20	QPSK	50	50	19.90	19.94	19.90			
20	QPSK	100	0	19.90	19.94	19.90			
20	QPSK	1	49	19.05	19.20	17.99	19	3	
20	QPSK	1	99	18.02	18.08	18.02			
20	QPSK	50	0	19.71	19.75	19.75			
20	QPSK	50	24	17.86	17.99	17.86	19	3	
20	QPSK	50	50	17.85	17.86	17.88			
20	QPSK	100	0	17.85	17.86	17.88			
Channel									
Frequency (MHz)									
15	QPSK	1	0	21.01	21.10	20.92	22	0	
15	QPSK	1	49	20.92	20.99	20.94			
15	QPSK	1	99	20.84	20.98	20.82			
15	QPSK	50	0	20.97	21.06	21.06			
15	QPSK	50	24	20.79	20.89	20.84	22	0	
15	QPSK	50	50	20.81	20.92	20.85			
15	QPSK	100	0	20.86	21.03	20.97			
15	QPSK	1	49	21.01	21.04	20.92	22	0	
15	QPSK	1	99	20.96	20.99	20.96			
15	QPSK	50	0	20.86	20.98	20.92	22	0	
15	QPSK	50	24	20.77	20.87	20.88			
15	QPSK	50	50	20.80	20.90	20.86	22	0	
15	QPSK	100	0	20.76	20.99	20.82			
15	QPSK	1	0	20.85	21.07	21.04	22	0	
15	QPSK	1	49	20.88	20.98	20.90			
15	QPSK	1	99	20.85	20.95	20.89			
15	QPSK	50	0	20.76	20.99	20.82			
15	QPSK	50	24	20.85	20.95	20.89	21	1	
15	QPSK	50	50	19.82	19.89	19.78			
15	QPSK	100	0	19.93	19.92	19.94			
15	QPSK	1	49	19.05	19.02	19.04			
15	QPSK	1	99	18.02	18.10	17.99	19	3	
15	QPSK	50	0	19.74	19.86	19.86			
15	QPSK	50	24	17.86	17.99	17.82	19	3	
15	QPSK	50	50	17.85	17.87	17.82			
15	QPSK	100	0	17.85	17.86	17.82			
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.97	21.02	20.95	22	0	
10	QPSK	1	49	20.79	20.99	20.86			
10	QPSK	1	99	20.72	20.89	20.80			
10	QPSK	50	0	20.86	20.92	20.85	22	0	
10	QPSK	50	24	20.86	20.92	20.85			
10	QPSK	50	50	20.82	20.96	20.91			
10	QPSK	100	0	20.86	20.96	20.88			
10	QPSK	1	49	21.03	21.09	20.97	22	0	
10	QPSK	1	99	20.88	20.90	20.91			
10	QPSK	50	0	20.88	20.90	20.91	22	0	
10	QPSK	50	24	20.84	20.93	20.94			
10	QPSK	50	50	20.82	20.96	20.96	22	0	
10	QPSK	100	0	20.81	20.99	20.77			
10	QPSK	1	0	20.90	21.14	21.08	22	0	
10	QPSK	1	49	20.83	20.98	20.92			
10	QPSK	1	99	20.88	20.94	20.83			
10	QPSK	50	0	19.89	19.89	19.73	21	1	
10	QPSK	50	24	19.82	19.91	19.82			
10	QPSK	50	50	19.92	19.71	19.82			
10	QPSK	100	0	19.78	19.77	19.82			
10	QPSK	1	49	19.04	19.09	19.04			
10	QPSK	1	99	18.05	18.06	18.05	19	3	
10	QPSK	50	0	19.86	19.85	19.83			
10	QPSK	50	24	17.82	17.85	17.81	19	3	
10	QPSK	50	50	17.81	17.82	17.82			
10	QPSK	100	0	17.82	17.85	17.76			
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.92	20.94	20.93	22	0	
5	QPSK	1	24	20.77	20.89	20.85			
5	QPSK	1	49	20.86	20.92	20.88			
5	QPSK	1	99	20.84	20.94	20.86			
5	QPSK	50	0	20.95	21.03	21.04	22	0	
5	QPSK	50	24	20.79	20.93	20.83			
5	QPSK	50	50	20.85	21.01	21.04			
5	QPSK	100	0	20.93	21.12	21.03	22	0	
5	QPSK	1	49	20.88	20.93	20.92			
5	QPSK	1	99	20.76	20.95	20.86			
5	QPSK	50	0	20.81	20.98	20.85	22	0	
5	QPSK	50	24	20.72	20.87	20.80			
5	QPSK	50	50	20.80	20.81	20.74	22	0	
5	QPSK	100	0	20.82	20.99	20.79			
5	QPSK	1	0	20.88	21.09	21.02	22	0	
5	QPSK	1	49	20.88	20.96	20.94			
5	QPSK	1	99	20.82	20.90	20.91			
5	QPSK	50	0	19.74	19.83	19.75	21	1	
5	QPSK	50	24	19.68	19.79	19.69			
5	QPSK	50	50	19.83	19.63	19.68			
5	QPSK	100	0	19.80	19.82	19.86			
5	QPSK	1	49	19.05	19.10	19.04			
5	QPSK	1	99	18.06	18.11	18.04	19	3	
5	QPSK	50	0	19.78	19.86	19.81			
5	QPSK	50	24	17.82	17.82	17.79	19	3	
5	QPSK	50	50	17.81	17.82	17.79			
5	QPSK	100	0	17.81	17.84	17.79			
Channel									
Frequency (MHz)									
3	QPSK	1	0	20.95	21.14	20.96	22	0	
3	QPSK	1	8	20.92	20.95	20.86			
3	QPSK	1	14	20.85	20.99	20.84			
3	QPSK	1	20	20.84	21.05	20.90			
3	QPSK	5	0	20.83	20.89	20.85	22	0	
3	QPSK	5	7	20.78	20.86	20.87			
3	QPSK	5	15	20.68	21.09	20.90			
3	QPSK	1	0	20.99	21.08	20.95	22	0	
3	QPSK	1	8	20.83	20.93	20.82			
3	QPSK	1	16	20.86	20.96	20.89			
3	QPSK	1	24	20.91	21.02	20.94			
3	QPSK	5	0	20.83	20.94	20.89	22	0	
3	QPSK	5	8	20.76	20.75	20.84			
3	QPSK	5	16	20.63	20.74	20.69			
3	QPSK	1	0	20.79	20.95	20.83	22	0	
3	QPSK	1	8	20.83	21.06	21.00			
3	QPSK	1	16	20.86	20.96	20.90			
3	QPSK	5	0	19.76	19.87	19.82	21	1	
3	QPSK	5	8	19.74	19.71	19.82			
3	QPSK	5	16	19.59	19.67	19.62			
3	QPSK	1	0	18.00	18.12	17.99			
3	QPSK	1	8	18.00	18.13	17.99	19	3	
3	QPSK	1	16	17.92	17.97	17.94			
3	QPSK	5	0	17.82	17.82	17.79	19	3	
3	QPSK	5	8	17.76	17.82	17.79			
3	QPSK	5	16	17.76	17.81	17.77			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	21.03	21.10	20.96	22	0	
1.4	QPSK	1	3	20.95	20.96	20.85			
1.4	QPSK	1	5	20.81	20.95	20.86			
1.4	QPSK	3	0	20.98	21.10	21.07			
1.4	QPSK	3	1	20.91	20.96	20.91			
1.4	QPSK	1	0	20.74	20.96	20.87	22	0	
1.4	QPSK	1	3	20.97	20.95	20.91			
1.4	QPSK	1	5	20.83	20.89	20.87			
1.4	QPSK	3	0	21.00	21.06	20.97			
1.4	QPSK	3	1	20.93	20.95	20.90	22	0	
1.4	QPSK	3	3	20.86	20.92	20.85			
1.4	QPSK	3	5	20.70	20.82	20.75			
1.4	QPSK	5	0	20.75	20.96	20.83	22	0	
1.4	QPSK	5	1	20.85	21.01	20.90			
1.4	QPSK	5	3	20.84	20.93	20.83			
1.4	QPSK	5	5	20.68	20.93	20.83	22	0	
1.4	QPSK	5	7	20.85	20.95	20.86			
1.4	QPSK	3	0	20.89	21.12	21.01			
1.4	QPSK	3	1	21.01	21.03	21.01			
1.4	QPSK	3	3	20.88	20.98	20.92	21	1	
1.4	QPSK	3	5	20.76	20.85	20.73			
1.4	QPSK	5	0	17.92	17.97	17.92	19	3	
1.4	QPSK	5	1	17.97	17.96	17.94			
1.4	QPSK	5	3	17.83	17.91	17.82			
1.4	QPSK	5	5	17.81	17.89	17.77			

Band 12 Ant2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Mid Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up Int. (dB)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.51	22.59	22.50	24	0				
10	QPSK	1	25	22.40	22.42	22.31						
10	QPSK	1	49	22.26	22.48	22.18						
10	QPSK	25	0	22.40	22.62	22.40						
10	QPSK	25	12	22.30	22.45	22.27	24	0				
10	QPSK	25	25	22.29	22.52	22.24						
10	QPSK	50	0	22.34	22.41	22.37						
10	16QAM	1	0	22.41	22.51	22.53						
10	16QAM	1	25	22.39	22.52	22.38	24	0				
10	16QAM	1	49	22.18	22.40	22.39						
10	16QAM	25	0	22.51	22.52	22.54						
10	16QAM	25	12	22.29	22.41	22.35						
10	16QAM	25	25	22.27	22.36	22.30	24	0				
10	16QAM	50	0	22.40	22.51	22.38						
10	16QAM	50	1	0	22.40	22.44	22.34					
10	16QAM	1	25	22.39	22.41	22.52	24	0				
10	16QAM	1	49	22.14	22.41	22.29						
10	16QAM	25	0	21.24	21.36	21.17						
10	16QAM	25	12	21.13	21.21	21.08						
10	16QAM	25	25	21.09	21.16	21.04	22.5	1.5				
10	16QAM	50	0	21.25	21.30	21.19						
10	256QAM	1	25	19.35	19.59	19.51						
10	256QAM	1	49	19.34	19.38	19.43						
10	256QAM	25	0	19.34	19.36	19.44	21	3				
10	256QAM	25	12	19.34	19.29	19.32						
10	256QAM	25	25	19.12	19.28	19.19						
10	256QAM	50	0	19.26	19.27	19.28						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.43	22.48	22.39	24	0				
5	QPSK	1	12	22.31	22.36	22.30						
5	QPSK	1	24	22.14	22.40	22.04						
5	QPSK	12	0	22.29	22.50	22.37						
5	QPSK	12	7	22.25	22.31	22.15	24	0				
5	QPSK	12	13	22.24	22.28	22.17						
5	QPSK	25	0	22.22	22.27	22.12						
5	16QAM	1	0	22.35	22.46	22.38						
5	16QAM	1	12	22.25	22.45	22.27	24	0				
5	16QAM	1	24	22.09	22.39	22.19						
5	16QAM	12	0	22.47	22.43	22.51						
5	16QAM	12	7	22.18	22.28	22.25						
5	16QAM	25	0	22.37	22.43	22.23	24	0				
5	16QAM	25	0	22.37	22.43	22.23						
5	16QAM	25	0	22.37	22.43	22.23						
5	16QAM	25	0	22.37	22.43	22.23						
5	16QAM	12	0	21.17	21.31	21.05	22.5	1.5				
5	16QAM	12	7	21.02	21.02	20.89						
5	16QAM	12	13	21.02	21.02	20.89						
5	16QAM	25	0	21.13	21.16	21.16						
5	256QAM	1	12	19.20	19.46	19.48	21	3				
5	256QAM	1	24	19.25	19.28	19.33						
5	256QAM	12	0	19.25	19.25	19.34						
5	256QAM	12	7	19.20	19.15	19.26						
5	256QAM	12	13	19.02	19.20	19.12	21	3				
5	256QAM	25	0	19.12	19.22	19.08						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.43	22.48	22.39	24	0				
3	QPSK	1	8	22.31	22.37	22.28						
3	QPSK	1	16	22.14	22.40	22.04						
3	QPSK	8	0	22.32	22.48	22.28						
3	QPSK	8	4	22.19	22.34	22.21	24	0				
3	QPSK	8	7	22.21	22.18	22.11						
3	QPSK	16	0	22.21	22.27	22.17						
3	16QAM	1	0	22.26	22.39	22.48						
3	16QAM	1	8	22.31	22.38	22.32	24	0				
3	16QAM	1	16	22.05	22.28	22.16						
3	16QAM	8	4	22.18	22.33	22.29						
3	16QAM	8	7	22.13	22.29	22.18						
3	16QAM	16	0	22.36	22.39	22.25	24	0				
3	16QAM	16	0	22.36	22.39	22.25						
3	16QAM	16	0	22.36	22.39	22.25						
3	16QAM	16	0	22.36	22.39	22.25						
3	16QAM	8	0	21.12	21.27	21.02	22.5	1.5				
3	16QAM	8	4	21.04	21.12	20.95						
3	16QAM	8	7	20.98	21.00	20.90						
3	16QAM	15	0	21.19	21.24	21.15						
3	256QAM	1	0	19.23	19.45	19.41	21	3				
3	256QAM	1	8	19.27	19.51	19.37						
3	256QAM	1	16	19.24	19.31	19.35						
3	256QAM	8	4	19.24	19.15	19.17						
3	256QAM	8	7	19.09	19.23	19.09	21	3				
3	256QAM	15	0	19.20	19.25	19.12						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.41	22.54	22.18	24	0				
1.4	QPSK	1	3	22.35	22.39	22.27						
1.4	QPSK	1	5	22.20	22.42	22.04						
1.4	QPSK	3	0	22.34	22.50	22.28						
1.4	QPSK	3	1	22.20	22.59	22.23	24	0				
1.4	QPSK	3	1	22.17	22.59	22.20						
1.4	QPSK	6	0	22.23	22.34	22.32						
1.4	16QAM	1	0	22.32	22.40	22.40						
1.4	16QAM	1	3	22.28	22.47	22.25	24	0				
1.4	16QAM	1	6	22.04	22.37	22.33						
1.4	16QAM	3	0	22.47	22.47	22.46						
1.4	16QAM	3	1	22.25	22.31	22.25						
1.4	16QAM	3	3	22.17	22.32	22.25	24	0				
1.4	16QAM	6	0	22.26	22.43	22.35						
1.4	16QAM	1	0	22.35	22.37	22.29						
1.4	16QAM	1	3	22.25	22.29	22.26						
1.4	16QAM	1	5	22.01	22.33	22.19	24	0				
1.4	16QAM	3	0	22.38	22.36	22.40						
1.4	16QAM	3	2	22.16	22.32	22.22						
1.4	16QAM	3	3	22.15	22.29	22.21						
1.4	16QAM	6	0	21.19	21.49	21.11	22.5	1.5				
1.4	256QAM	1	0	19.26	19.57	19.36						
1.4	256QAM	1	3	19.22	19.55	19.47						
1.4	256QAM	3	0	19.26	19.22	19.30						
1.4	256QAM	3	1	19.10	19.34	19.30	21	3				
1.4	256QAM	3	1	19.21	19.18	19.19						
1.4	256QAM	3	2	19.08	19.20	19.14						
1.4	256QAM	6	0	19.17	19.25	19.09						

Band 13 Ant2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Mid Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up Int. [dB]	MPR [dB]				
Channel												
Frequency [MHz]												
10	QPSK	1	0	22.53	22.53	22.53	24	0				
10	QPSK	1	25	22.43	22.43	22.43						
10	QPSK	1	49	22.43	22.43	22.43						
10	QPSK	25	0	22.45	22.45	22.45						
10	QPSK	25	12	22.35	22.35	22.35	24	0				
10	QPSK	25	25	22.26	22.26	22.26						
10	QPSK	50	0	22.32	22.32	22.32						
10	16QAM	1	0	22.41	22.41	22.41						
10	16QAM	1	25	22.47	22.47	22.47	24	0				
10	16QAM	1	49	22.40	22.40	22.40						
10	16QAM	25	0	22.41	22.41	22.41						
10	16QAM	25	12	22.35	22.35		24	0				
10	16QAM	50	0	22.40	22.40	22.40						
10	16QAM	25	25	22.28	22.28							
10	16QAM	1	26	22.42	22.42							
10	16QAM	1	49	22.41	22.41		24	0				
10	16QAM	1	25	22.46	22.46							
10	16QAM	25	12	22.30	22.30							
10	16QAM	25	25	22.21	22.21							
10	16QAM	25	12	21.20	21.20		22.5	1.5				
10	16QAM	25	25	21.04	21.04							
10	16QAM	50	0	21.26	21.26							
10	25QAM	1	0	19.60	19.60							
10	25QAM	1	25	19.59	19.59		21	3				
10	25QAM	1	25	19.30	19.30							
10	25QAM	25	0	19.42	19.42							
10	25QAM	25	12	19.28	19.28							
10	25QAM	25	25	19.24	19.24		21	3				
10	25QAM	50	0	19.28	19.28							
10	25QAM	50	12	19.28	19.28							
10	25QAM	50	25	19.28	19.28							
Channel				22.55	22.55	22.55	Unk- n	Int. [dB]	MPR [dB]			
Frequency [MHz]				77.65	77.65	77.65						
10	QPSK	1	0	22.47	22.50	22.48				24	0	
5	QPSK	1	12	22.33	22.35	22.39						
5	QPSK	1	24	22.34	22.34	22.44						
5	QPSK	12	0	22.41	22.37	22.40						
5	QPSK	12	7	22.26	22.26	22.28	24	0				
5	QPSK	12	19	22.31	22.31	22.31						
5	QPSK	25	0	22.22	22.30	22.30						
5	16QAM	1	0	22.42	22.46	22.43						
5	16QAM	1	25	22.36	22.44	22.46	24	0				
5	16QAM	1	24	22.34	22.33	22.41						
5	16QAM	12	0	22.41	22.41	22.40						
5	16QAM	12	19	22.37	22.35	22.39						
5	16QAM	25	0	22.41	22.47	22.46	24	0				
5	16QAM	25	12	22.31	22.30	22.29						
5	16QAM	1	12	22.37	22.42	22.35						
5	16QAM	1	24	22.33	22.32	22.35						
5	16QAM	12	7	21.21	21.27	21.25	22.5	1.5				
5	16QAM	12	7	20.96	20.97	21.01						
5	16QAM	12	19	21.17	21.25	21.28						
5	25QAM	1	0	19.52	19.51	19.53						
5	25QAM	1	12	19.46	19.53	19.56	21	3				
5	25QAM	1	24	19.35	19.35	19.24						
5	25QAM	12	0	19.36	19.43	19.35						
5	25QAM	12	7	19.22	19.24	19.26						
5	25QAM	12	19	19.30	19.30	19.30	21	3				
5	25QAM	25	0	19.27	19.18	19.20						



Band 25 Ant2									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Mod Ch / Freq	Power Mod Ch / Freq	Power Mod Ch / Freq	Turnup time (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.18	23.23	23.31			
20	QPSK	1	49	22.99	23.26	23.19	24	0	
20	QPSK	1	99	23.13	23.15	23.03			
20	QPSK	50	0	23.16	23.22	23.19			
20	QPSK	50	24	23.13	23.18	23.14	24	0	
20	QPSK	50	50	23.01	23.08	23.05			
20	QPSK	100	0	23.11	23.22	23.15			
20	16QAM	1	0	23.13	23.27	23.14			
20	16QAM	1	49	22.94	23.24	23.07	24	0	
20	16QAM	1	99	22.99	23.09	23.07			
20	16QAM	50	24	22.89	23.04	22.94			
20	16QAM	50	50	22.77	22.86	22.82	24	0	
20	16QAM	100	0	22.94	23.15	23.01			
20	64QAM	1	0	22.96	23.15	22.96			
20	64QAM	1	49	22.88	23.02	22.90	24	0	
20	64QAM	1	99	22.88	23.00	22.90			
20	64QAM	50	0	22.92	22.94	22.95			
20	64QAM	50	24	21.93	22.04	21.97	23	1	
20	64QAM	50	50	21.82	21.95	21.85			
20	64QAM	100	0	22.06	22.05	22.03			
20	256QAM	1	0	19.94	19.16	19.00	21	3	
20	256QAM	1	99	19.89	19.03	19.07			
20	256QAM	50	24	19.84	19.13	19.01			
20	256QAM	50	50	19.95	19.99	19.97	21	3	
20	256QAM	50	50	19.82	19.94	19.87			
20	256QAM	100	0	19.95	19.97	19.95			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.07	23.26	23.17			
15	QPSK	1	24	23.01	23.19	23.04	24	0	
15	QPSK	1	74	23.01	23.09	23.03			
15	QPSK	36	0	23.02	23.10	23.14			
15	QPSK	36	24	23.07	23.03	23.07	24	0	
15	QPSK	36	39	22.90	23.01	23.15			
15	QPSK	75	0	23.06	23.14	23.05			
15	16QAM	1	0	22.98	23.13	23.03			
15	16QAM	1	37	22.96	23.04	22.94	24	0	
15	16QAM	1	74	22.94	22.96	22.96			
15	16QAM	36	20	22.70	22.95	22.90			
15	16QAM	36	20	22.79	22.79	22.83	24	0	
15	16QAM	50	0	22.90	23.13	22.90			
15	16QAM	75	0	22.90	23.13	22.90			
15	64QAM	1	0	22.87	23.04	22.91	24	0	
15	64QAM	1	0	22.86	23.02	22.84			
15	64QAM	1	74	22.76	22.97	22.78			
15	64QAM	36	0	21.89	22.07	22.02	23	1	
15	64QAM	75	0	21.70	21.75	21.71			
15	64QAM	75	0	22.02	22.01	21.90			
15	256QAM	1	0	19.92	19.92	19.92			
15	256QAM	1	37	19.91	19.10	19.98	21	3	
15	256QAM	1	74	19.77	19.78	19.91			
15	256QAM	50	24	19.87	19.88	19.88			
15	256QAM	36	20	19.91	19.92	19.92	21	3	
15	256QAM	36	39	19.72	19.90	19.70			
15	256QAM	75	0	19.83	19.87	19.78			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.87	23.15	23.09			
10	QPSK	1	25	22.87	23.15	23.09	24	0	
10	QPSK	1	49	22.80	23.00	23.00			
10	QPSK	25	0	23.03	23.09	23.07			
10	QPSK	25	25	23.04	22.86	22.92	24	0	
10	QPSK	25	50	23.08	23.14	23.04			
10	16QAM	1	0	23.06	23.14	23.07			
10	16QAM	1	25	22.81	23.10	22.92	24	0	
10	16QAM	25	0	22.85	23.08	23.08			
10	16QAM	25	12	22.81	22.85	22.84	24	0	
10	16QAM	25	12	22.70	22.81	22.76			
10	16QAM	50	0	22.81	23.03	22.92			
10	64QAM	1	0	22.84	23.02	22.84	24	0	
10	64QAM	1	0	22.86	23.02	22.78			
10	64QAM	1	49	22.85	22.94	22.81			
10	64QAM	25	0	21.89	22.10	22.02	23	1	
10	64QAM	25	0	21.84	21.82	21.82			
10	64QAM	25	25	21.77	21.83	21.77			
10	64QAM	50	0	21.97	21.98	21.94			
10	256QAM	1	0	19.91	19.92	19.17	20	3	
10	256QAM	1	25	19.92	19.92	19.91			
10	256QAM	1	49	19.82	19.82	19.86			
10	256QAM	25	0	19.88	19.86	19.86			
10	256QAM	25	12	19.86	19.80	19.86	21	3	
10	256QAM	25	25	19.77	19.80	19.76			
10	256QAM	50	0	19.83	19.87	19.87			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.92	23.12	23.11			
5	QPSK	1	12	22.95	23.10	23.05	24	0	
5	QPSK	1	24	22.88	23.02	23.00			
5	QPSK	12	0	23.15	23.13	23.13			
5	QPSK	12	7	23.07	23.10	23.07	24	0	
5	QPSK	12	13	22.90	23.02	23.01			
5	QPSK	12	13	23.08	23.12	23.07			
5	16QAM	1	0	23.07	23.13	23.02			
5	16QAM	1	12	22.97	23.09	22.95	24	0	
5	16QAM	1	24	22.81	22.95	22.93			
5	16QAM	12	0	22.81	22.82	22.87			
5	16QAM	12	7	22.74	22.85	22.78	24	0	
5	16QAM	12	13	22.74	22.75	22.72			
5	16QAM	25	0	22.81	23.08	22.94			
5	64QAM	1	0	22.80	23.11	22.90	24	0	
5	64QAM	1	0	22.82	23.09	22.78			
5	64QAM	1	24	22.73	22.90	22.83			
5	64QAM	12	0	21.87	22.02	22.01	23	1	
5	64QAM	12	0	21.88	21.99	21.85			
5	64QAM	25	0	21.82	21.91	21.97			
5	256QAM	1	0	19.81	19.90	19.88	21	3	
5	256QAM	1	12	19.85	19.89	19.89			
5	256QAM	1	24	19.75	19.76	19.91			
5	256QAM	12	0	19.86	19.86	19.86			
5	256QAM	12	7	19.78	19.87	19.86	21	3	
5	256QAM	12	13	19.71	19.85	19.80			
5	256QAM	25	0	19.83	19.85	19.82			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.18	23.23	23.22			
3	QPSK	1	8	20.88	22.07	22.13	24	0	
3	QPSK	1	14	22.87	23.04	22.89			
3	QPSK	3	0	23.11	23.15	23.12			
3	QPSK	3	4	23.10	23.10	23.07	24	0	
3	QPSK	3	7	22.94	22.91	22.93			
3	QPSK	16	0	23.02	23.12	23.11			
3	16QAM	1	0	23.04	23.14	23.11	24	0	
3	16QAM	1	8	23.01	23.05	22.94			
3	16QAM	3	0	22.85	22.97	22.96			
3	16QAM	3	4	22.80	22.93	22.79	24	0	
3	16QAM	3	7	22.68	22.79	22.70			
3	16QAM	15	0	22.90	23.03	22.93			
3	16QAM	1	0	22.87	23.09	22.91	24	0	
3	64QAM	1	8	22.84	22.96	22.86			
3	64QAM	3	0	21.91	22.08	21.94	24	0	
3	64QAM	3	4	21.82	21.90	21.91			
3	64QAM	3	7	21.74	21.82	21.74			
3	64QAM	16	0	19.84	19.90	19.89	23	1	
3	256QAM	1	8	19.91	19.11	19.98	21	3	
3	256QAM	1	14	19.84	19.85	19.88			
3	256QAM	3	0	19.91	19.92	19.89			
3	256QAM	3	4	19.80	19.88	19.85	21	3	
3	256QAM	3	7	19.70	19.80	19.79			
3	256QAM	15	0	19.95	19.90	19.77			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.15	23.23	23.23			
1.4	QPSK	1	3	22.88	23.17	23.14	24	0	
1.4	QPSK	1	5	22.93	22.96	22.89			
1.4	QPSK	3	0	23.02	23.07	23.07			
1.4	QPSK	3	1	23.03	23.06	22.99			
1.4	16QAM	1	0	22.87	23.05	22.96	24	0	
1.4	16QAM	1	3	22.99	23.05	23.06			
1.4	16QAM	1	0	22.99	23.10	23.01			
1.4	16QAM	3	0	22.85	23.02	23.00			
1.4	16QAM	3	0	22.80	22.98	22.89	24	0	
1.4	16QAM	3	0	22.72	22.82	22.81			
1.4	16QAM	3	0	22.68	22.81	22.73			
1.4	16QAM	3	0	22.64	22.80	22.70	24	0	
1.4	16QAM	3	0	22.63	22.83	22.75			
1.4	16QAM	3	0	22.59	22.97	22.87			
1.4	16QAM	3	0	22.57	22.96	22.86	24	0	
1.4	16QAM	3	0	22.51	22.92	22.88			
1.4	16QAM	3	0	22.41	22.82	22.76			
1.4	16QAM	3	0	22.31	22.73	22.72			
1.4	16QAM	3	0	22.21	22.65	22.68	23	1	
1.4	16QAM	3	0	22.10	22.54	22.57			
1.4	16QAM	3	0	21.93	22.12	21.99			
1.4	16QAM	3	0	21.84	21.88	21.89	21	3	
1.4	16QAM	3	0	21.74	21.78	21.79			
1.4	16QAM	3	0	21.64	21.64	21.64			
1.4	16QAM	3	0	21.52	21.54	21.54			
1.4	16QAM	3	0	21.42	21.44	21.44			
1.4	16QAM	3	0	21.32	21.33	21.33			

Band 38 Ant2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				37860	38000	38100					
20	QPSK	1	0	21.68	21.70	21.51	22.4	0			
20	QPSK	1	49	21.47	21.50	21.47					
20	QPSK	1	99	21.41	21.42	21.50					
20	QPSK	50	0	21.54	21.59	21.39					
20	QPSK	50	24	21.45	21.54	21.48	22.4	0			
20	QPSK	50	50	21.54	21.56	21.54					
20	QPSK	100	0	21.44	21.53	21.38					
20	16QAM	1	0	21.52	21.66	21.49	22.4	0			
20	16QAM	1	49	21.30	21.46	21.33					
20	16QAM	1	99	21.22	21.36	21.43					
20	16QAM	50	0	21.54	21.72	21.54	22.4	0			
20	16QAM	50	24	21.51	21.58	21.54					
20	16QAM	50	50	21.50	21.50	21.40					
20	16QAM	100	0	21.52	21.67	21.50	22.4	22.4	0		
20	64QAM	1	0	21.62	21.80	21.56					
20	64QAM	1	49	21.52	21.64	21.52	22.4				
20	64QAM	1	99	21.51	21.63	21.50					
20	64QAM	50	0	20.63	20.75	20.56	21.5	0.9			
20	64QAM	50	24	20.49	20.58	20.59					
20	64QAM	50	50	20.45	20.51	20.54					
20	64QAM	100	0	20.52	20.58	20.46					
20	256QAM	1	0	18.57	18.78	18.56	19.5	2.9			
20	256QAM	1	49	18.54	18.79	18.59					
20	256QAM	1	99	18.46	18.58	18.55					
20	256QAM	50	0	18.62	18.67	18.66					
20	256QAM	50	24	18.58	18.62	18.54	19.5	2.9			
20	256QAM	50	50	18.45	18.56	18.48					
20	256QAM	100	0	18.61	18.72	18.60					
Channel											
Frequency (MHz)				37860	38000	38175	Turn-up limit (dBm)	MPR (dB)			
16	QPSK	1	0	21.63	21.60	21.42	22.4	0			
16	QPSK	1	37	21.23	21.32	21.33					
16	QPSK	1	74	21.20	21.34	21.22					
16	QPSK	36	0	21.31	21.61	21.37					
16	QPSK	36	20	21.28	21.38	21.30	22.4	0			
16	QPSK	36	50	21.52	21.63	21.46					
16	QPSK	75	0	21.25	21.48	21.32					
16	16QAM	1	0	21.45	21.45	21.20	22.4	0			
16	16QAM	1	37	21.27	21.21	21.10					
16	16QAM	1	74	21.15	21.30	21.10					
16	16QAM	36	0	21.40	21.61	21.41					
16	16QAM	36	20	21.42	21.42	21.30	22.4	0			
16	16QAM	36	50	21.38	21.38	21.38					
16	16QAM	75	0	21.48	21.68	21.41					
16	64QAM	1	0	21.52	21.63	21.46	22.4	0			
16	64QAM	1	37	21.38	21.61	21.44					
16	64QAM	1	74	21.41	21.49	21.44					
16	64QAM	36	0	20.55	20.69	20.52	21.5	0.9			
16	64QAM	36	20	20.45	20.47	20.49					
16	64QAM	36	50	20.48	20.45	20.43					
16	64QAM	75	0	20.48	20.45	20.43					
16	256QAM	1	0	18.45	18.70	18.53	19.5	2.9			
16	256QAM	1	37	18.48	18.66	18.51					
16	256QAM	1	74	18.39	18.44	18.47					
16	256QAM	36	0	18.58	18.72	18.59	19.5	2.9			
16	256QAM	36	20	18.50	18.51	18.44					
16	256QAM	36	50	18.33	18.46	18.43					
16	256QAM	75	0	18.50	18.64	18.47					
Channel											
Frequency (MHz)				37860	38000	38200	Turn-up limit (dBm)	MPR (dB)			
10	QPSK	1	0	21.63	21.44	21.38	22.4	0			
10	QPSK	1	25	21.39	21.30	21.40					
10	QPSK	1	49	21.33	21.27	21.18					
10	QPSK	25	0	21.36	21.24	21.20					
10	QPSK	25	12	21.39	21.20	21.19	22.4	0			
10	QPSK	25	25	21.23	21.44	21.03					
10	QPSK	50	0	21.33	21.31	21.31					
10	16QAM	1	0	21.33	21.51	21.40	22.4	0			
10	16QAM	1	25	21.34	21.33	21.27					
10	16QAM	1	49	21.04	21.29	21.37					
10	16QAM	25	0	21.41	21.64	21.44					
10	16QAM	25	12	21.43	21.41	21.44	22.4	0			
10	16QAM	25	25	21.44	21.40	21.38					
10	16QAM	50	0	21.42	21.62	21.45					
10	64QAM	1	0	21.56	21.66	21.50	22.4	0			
10	64QAM	1	25	21.38	21.50	21.43					
10	64QAM	1	49	21.36	21.49	21.44					
10	64QAM	25	0	20.54	20.66	20.51	21.5	0.9			
10	64QAM	25	12	20.38	20.48	20.52					
10	64QAM	25	25	20.37	20.39	20.47					
10	64QAM	50	0	20.41	20.48	20.36					
10	256QAM	1	0	18.50	18.67	18.51	19.5	2.9			
10	256QAM	1	25	18.50	18.72	18.45					
10	256QAM	1	49	18.34	18.51	18.45					
10	256QAM	25	0	18.51	18.67	18.57	19.5	2.9			
10	256QAM	25	12	18.45	18.57	18.44					
10	256QAM	25	25	18.52	18.50	18.38					
10	256QAM	50	0	18.49	18.67	18.49					
Channel											
Frequency (MHz)				37775	38000	38225	Turn-up limit (dBm)	MPR (dB)			
5	QPSK	1	0	21.60	21.48	21.40	22.4	0			
5	QPSK	1	12	21.21	21.33	21.43					
5	QPSK	1	24	21.28	21.39	21.14					
5	QPSK	12	0	21.39	21.61	21.34					
5	QPSK	12	7	21.35	21.46	21.47	22.4	0			
5	QPSK	12	13	21.38	21.31	21.23					
5	QPSK	25	0	21.30	21.27	21.17					
5	16QAM	1	0	21.36	21.51	21.41					
5	16QAM	1	12	21.47	21.37	21.23	22.4	0			
5	16QAM	1	24	21.16	21.28	21.10					
5	16QAM	12	0	21.42	21.67	21.42					
5	16QAM	12	7	21.40	21.41	21.39	22.4	0			
5	16QAM	12	13	21.38	21.37	21.31					
5	16QAM	25	0	21.39	21.59	21.44					
5	64QAM	1	0	21.48	21.73	21.50	22.4	0			
5	64QAM	1	12	21.42	21.67	21.46					
5	64QAM	1	24	21.39	21.48	21.46					
5	64QAM	12	0	20.51	20.68	20.52	21.5	0.9			
5	64QAM	12	7	20.42	20.54	20.55					
5	64QAM	12	13	20.40	20.40	20.44					
5	64QAM	25	0	20.45	20.50	20.44					
5	256QAM	1	0	18.53	18.74	18.53	19.5	2.9			
5	256QAM	1	12	18.41	18.74	18.40					
5	256QAM	1	24	18.41	18.47	18.40					
5	256QAM	12	0	18.54	18.67	18.59	19.5	2.9			
5	256QAM	12	7	18.50	18.49	18.48					
5	256QAM	12	13	18.39	18.43	18.41					
5	256QAM	25	0	18.46	18.61	18.46					

Band 41 FCC&IC Ant2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel				98750	40185	40620	41055	41490		
15	QPSK	1	0	21.30	21.31	21.35	21.36	21.37	22.4	0
15	QPSK	1	48	21.18	21.31	21.58	21.43	21.46		
15	QPSK	50	0	21.42	21.39	21.35	21.27	21.26		
15	QPSK	50	50	21.29	21.22	21.35	21.37	21.42		
15	QPSK	50	24	21.41	21.28	21.27	21.34	21.27	22.4	0
15	QPSK	100	0	21.28	21.21	21.26	21.30	21.35		
15	QPSK	100	50	21.20	21.08	21.02	21.09	21.41		
15	16QAM	1	0	21.28	21.32	21.43	21.37	21.35	22.4	0
15	16QAM	50	48	21.28	21.32	21.43	21.37	21.38		
15	16QAM	1	56	21.12	21.25	21.35	21.10	21.02		
15	16QAM	50	0	21.31	21.34	21.32	21.24	21.28		
15	16QAM	50	50	21.17	21.21	21.24	21.19	21.22	22.4	0
15	16QAM	50	50	21.03	21.09	21.18	21.22	21.02		
15	64QAM	100	0	21.24	21.19	21.35	21.27	21.42		
15	64QAM	100	50	21.24	21.23	21.31	21.32	21.18		
15	64QAM	1	48	21.22	21.17	21.06	21.27	21.28	22.4	0
15	64QAM	50	0	21.15	21.22	21.31	21.23	21.12		
15	64QAM	50	50	20.89	20.79	20.04	20.76	20.85		
15	64QAM	50	24	20.72	20.68	20.77	20.79	20.68	22	0.4
15	256QAM	1	0	18.94	18.82	18.99	18.84	18.94	20	2.4
15	256QAM	1	56	18.78	18.68	18.82	18.81	18.72		
15	256QAM	50	0	18.74	18.66	18.82	18.75	18.62		
15	256QAM	50	24	18.65	18.60	18.50	18.65	18.59	20	2.4
15	256QAM	50	50	18.62	18.75	18.76	18.72	18.61		
15	256QAM	100	0	18.57	18.68	18.62	18.59	18.53		
Channel				98725	40173	40620	41068	41515	Turn-up limit (dBm)	MPR (dB)
15	QPSK	1	0	21.31	21.28	21.37	21.15	21.22	22.4	0
15	QPSK	1	37	21.15	21.28	21.20	21.39	21.29		
15	QPSK	50	74	21.15	21.05	21.05	21.02	21.04		
15	QPSK	50	37	21.31	21.22	21.18	21.36	21.18	22.4	0
15	QPSK	50	37	21.03	21.11	21.10	20.95	21.14		
15	QPSK	100	0	21.08	21.01	21.06	21.10	21.08		
15	QPSK	75	0	21.24	21.05	21.08	20.95	21.22		
15	16QAM	1	0	21.17	21.32	21.38	21.27	21.08	22.4	0
15	16QAM	1	37	21.29	21.05	21.05	21.10	21.08		
15	16QAM	1	74	21.19	20.90	21.20	21.09	20.96		
15	16QAM	50	0	21.22	21.10	21.36	21.15	21.22		
15	16QAM	50	50	21.06	21.01	21.17	21.27	21.18	22.4	0
15	16QAM	50	36	21.11	21.14	21.06	21.10	21.15		
15	64QAM	1	74	21.27	21.12	21.12	21.12	21.12		
15	64QAM	1	37	21.31	21.08	21.20	21.33	21.26		
15	64QAM	1	37	21.17	21.22	21.22	21.28	21.03	22.4	0
15	64QAM	50	0	20.82	20.70	20.23	20.52	20.63		
15	64QAM	50	50	20.82	20.70	20.19	20.62	20.74		
15	64QAM	50	25	20.64	20.56	20.63	20.74	20.69	22	0.4
15	64QAM	50	25	20.52	20.56	20.63	20.74	20.56		
15	64QAM	75	0	20.62	20.74	20.62	20.69	20.70		
15	256QAM	1	0	18.76	18.66	18.76	18.61	18.76	20	2.4
15	256QAM	1	37	18.70	18.76	18.50	18.61	18.70		
15	256QAM	1	74	18.68	18.61	18.70	18.78	18.63		
15	256QAM	50	0	18.68	18.72	18.68	18.72	18.63	20	2.4
15	256QAM	50	25	18.55	18.73	18.71	18.72	18.55		
15	256QAM	50	36	18.50	18.68	18.70	18.59	18.54	20	2.4
15	256QAM	75	0	18.62	18.72	18.62	18.72	18.63		
Channel				98750	40184	40620	41068	41540	Turn-up limit (dBm)	MPR (dB)
15	QPSK	1	0	21.30	21.47	21.43	21.35	21.13	22.4	0
15	QPSK	1	25	21.06	21.18	21.42	21.28	21.09		
15	QPSK	50	0	21.28	21.15	21.13	21.09	21.01	22.4	0
15	QPSK	25	0	20.29	21.15	21.13	21.03	20.84		
15	QPSK	25	12	20.10	21.11	21.22	21.09	21.13	22.4	0
15	QPSK	50	0	21.20	20.84	21.28	21.04	21.01		
15	QPSK	50	50	21.35	21.24	21.33	20.94	21.25		
15	16QAM	1	0	21.31	21.29	21.14	21.38	21.25		
15	16QAM	1	25	21.06	21.01	21.17	21.28	21.01	22.4	0
15	16QAM	1	48	20.84	21.19	21.26	21.09	21.09		
15	16QAM	25	0	21.15	21.25	21.17	21.08	21.01		
15	16QAM	25	12	20.91	21.15	21.14	21.04	21.10	22.4	0
15	16QAM	25	12	20.84	21.09	21.14	21.04	21.11		
15	16QAM	50	0	21.24	20.92	21.19	20.99	20.87		
15	16QAM	50	50	21.08	21.29	21.09	21.21	21.28		
15	64QAM	1	0	21.22	21.36	21.37	21.34	21.19		
15	64QAM	1	25	21.07	21.12	21.15	21.21	21.12	22.4	0
15	64QAM	1	48	21.18	21.07	21.21	21.07	21.07		
15	64QAM	25	0	20.60	20.67	20.80	20.66	20.72		
15	64QAM	25	12	20.41	20.64	20.71	20.67	20.68	22	0.4
15	64QAM	25	12	20.27	20.60	20.63	20.70	20.48		
15	64QAM	50	0	20.61	20.74	20.63	20.70	20.77		
15	256QAM	1	0	18.61	18.70	18.63	18.70	18.64	20	2.4
15	256QAM	1	25	18.72	18.79	18.54	18.75	18.86		
15	256QAM	1	48	18.68	18.56	18.74	18.69	18.63		
15	256QAM	25	0	18.68	18.72	18.66	18.72	18.72	20	2.4
15	256QAM	25	12	18.50	18.72	18.74	18.68	18.53		
15	256QAM	25	12	18.52	18.64	18.64	18.62	18.58	20	2.4
15	256QAM	50	0	18.62	18.74	18.66	18.74	18.63		
Channel				98675	40144	40620	41068	41565	Turn-up limit (dBm)	MPR (dB)
15	QPSK	1	0	21.40	21.26	21.25	21.35	21.13	22.4	0
15	QPSK	12	0	21.06	21.04	21.13	21.20	21.04		
15	QPSK	12	7	20.95	20.94	21.21	20.93	20.94	22.4	0
15	QPSK	25	0	21.27	21.09	21.08	21.27	21.20		
15	16QAM	1	0	21.34	21.01	21.15	21.35	21.24		
15	16QAM	1	12	21.17	21.09	21.12	21.23	21.11	22.4	0
15	16QAM	1	24	21.22	20.99	21.22	20.87	21.08		
15	16QAM	12	0	21.20	21.20	21.10	21.27	21.13		
15	16QAM	12	7	21.07	20.90	21.10	21.27	21.05	22.4	0
15	16QAM	12	13	21.10	21.17	21.17	21.06	20.97		
15	64QAM	1	0	21.24	21.13	21.21	21.26	21.16		
15	64QAM	1	50	21.21	21.23	21.22	21.30	21.21	22.4	0
15	64QAM	1	12	21.04	21.08	21.14	21.25	21.02		
15	64QAM	12	0	21.24	21.09	21.21	21.27	21.18		
15	64QAM	12	0	20.76	20.67	20.88	20.71	20.74		
15	64QAM	12	7	20.59	20.56	20.64	20.67	20.68	22	0.4
15	64QAM	12	13	20.47	20.64	20.64	20.67	20.48		
15	64QAM	25	0	20.65	20.81	20.79	20.79	20.69		
15	256QAM	1	0	18.78	18.66	18.72	18.63	18.64	20	2.4
15	256QAM	1	12	18.74	18.75	18.66	18.70	18.91		
15	256QAM	1	24	18.71	18.62	18.68	18.72	18.67		
15	256QAM	12	0	18.68	18.77	18.75	18.75	18.72	20	2.4
15	256QAM	12	7	18.53	18.67	18.71	18.76	18.57		
15	256QAM	12	13	18.53	18.70	18.71	18.68	18.53	20	2.4



Band 41 PC2 FCC&IC Ant2														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Low-Mid Ch / Freq	Power High-Mid Ch / Freq	Power High-Mid Ch / Freq	Tune-up Int (dBm)	MPR (dB)				
Channel														
Frequency (MHz)				36750	40185	40620	41055	41490						
20	QPSK	1	0	23.15	23.17	23.13	23.16	23.15	24	0				
20	QPSK	1	49	23.12	23.10	23.07	23.25	23.38						
20	QPSK	1	89	23.07	23.11	23.10	23.10	23.34						
20	QPSK	50	0	23.04	23.22	23.25	23.05	23.19						
20	QPSK	50	24	23.07	23.10	23.18	22.89	23.11	24	0				
20	QPSK	50	50	23.00	23.09	23.12	23.02	23.43						
20	QPSK	100	0	22.88	23.09	23.10	23.09	23.08						
20	16QAM	1	0	22.95	23.28	23.31	23.24	23.13						
20	16QAM	1	49	22.89	23.21	23.22	23.07	23.22	24	0				
20	16QAM	1	99	23.02	23.09	23.23	23.02	23.11						
20	16QAM	50	0	22.94	22.88	23.13	23.22	22.99						
20	16QAM	50	24	22.85	23.04	23.05	23.08	23.00						
20	64QAM	1	0	23.13	23.34	23.34	23.44	23.42	24	0				
20	64QAM	1	49	23.20	23.24	23.24	23.35	23.29						
20	64QAM	1	99	23.15	23.45	23.45	23.29	23.20						
20	64QAM	50	0	23.02	23.04	23.13	23.01	22.95						
20	64QAM	50	24	22.81	22.82	22.94	22.95	22.99	24	0				
20	64QAM	50	50	22.88	22.85	22.81	22.82	22.83						
20	64QAM	100	0	22.99	22.94	23.10	23.19	23.07						
20	256QAM	1	0	21.69	21.81	21.95	21.76	21.81						
20	256QAM	1	49	21.72	21.76	21.86	21.81	21.81	23	1				
20	256QAM	1	99	21.62	21.68	21.73	21.75	21.64						
20	256QAM	50	0	21.65	21.68	21.74	21.63	21.67						
20	256QAM	50	24	21.39	21.53	21.59	21.50	21.52						
20	256QAM	50	50	21.36	21.51	21.54	21.48	21.43	23	1				
20	256QAM	100	0	21.43	21.63	21.71	21.59	21.43						
Channel														
Frequency (MHz)				36750	40173	40620	41065	41515			Tune-up Int (dBm)	MPR (dB)		
15	QPSK	1	0	23.11	23.17	23.13	23.16	23.15			24.00	0		
15	QPSK	1	37	22.89	23.11	23.10	22.98	23.08						
15	QPSK	1	74	22.92	23.19	23.19	23.02	23.07						
15	QPSK	36	0	23.02	23.19	23.06	23.07	23.17						
15	QPSK	36	20	22.83	22.95	22.95	23.09	22.92	24	0				
15	QPSK	36	50	22.83	22.89	22.89	23.17	22.89						
15	QPSK	75	0	23.01	22.89	23.02	23.19	23.10						
15	16QAM	1	0	23.02	23.17	23.30	23.31	23.17						
15	16QAM	1	37	22.89	23.09	23.17	23.04	22.90	24	0				
15	16QAM	1	74	22.89	23.07	22.95	22.94	22.89						
15	16QAM	36	0	22.78	22.85	23.12	22.99	23.04						
15	16QAM	36	20	22.74	22.79	23.06	22.88	22.81						
15	16QAM	36	50	22.78	22.73	23.09	22.85	22.85	24	0				
15	16QAM	75	0	22.95	23.01	23.16	22.82	22.83						
15	64QAM	1	0	23.39	23.39	23.16	23.38	23.40						
15	64QAM	1	37	23.05	23.15	23.12	23.34	23.28						
15	64QAM	1	74	22.99	23.18	23.22	23.18	23.21	24	0				
15	64QAM	36	0	22.85	22.93	22.84	22.87	22.87						
15	64QAM	36	20	22.76	22.87	22.89	22.85	22.74						
15	64QAM	36	50	22.76	22.85	22.85	22.85	22.74						
15	64QAM	75	0	22.89	22.95	23.15	23.13	23.02	23	1				
15	256QAM	1	0	21.84	21.69	21.82	21.67	21.68						
15	256QAM	1	37	21.83	21.73	21.74	21.73	21.83						
15	256QAM	1	74	21.48	21.61	21.62	21.67	21.52						
15	256QAM	36	0	21.50	21.54	21.68	21.59	21.61	23	1				
15	256QAM	36	20	21.31	21.44	21.41	21.48	21.38						
15	256QAM	36	50	21.30	21.44	21.51	21.44	21.38						
15	256QAM	75	0	21.40	21.54	21.61	21.50	21.41						
Channel														
Frequency (MHz)				36750	40160	40620	41060	41540	Tune-up Int (dBm)	MPR (dB)				
10	QPSK	1	0	23.14	23.17	23.13	23.16	23.15	24.00	0				
10	QPSK	1	25	23.17	23.17	23.38	23.25	22.99						
10	QPSK	1	49	22.99	22.99	23.18	22.84	23.18						
10	QPSK	25	0	23.16	23.06	23.15	23.16	23.16						
10	QPSK	25	12	22.92	22.83	23.12	22.84	22.99	24	0				
10	QPSK	25	25	23.07	22.81	22.85	22.88	22.87						
10	QPSK	50	0	22.73	22.79	22.87	22.89	22.82						
10	16QAM	1	0	22.88	23.04	23.10	23.10	23.31						
10	16QAM	1	25	23.08	22.89	23.11	23.09	23.00	24	0				
10	16QAM	1	49	23.05	22.83	23.02	23.01	22.82						
10	16QAM	25	0	22.84	23.04	23.14	23.04	23.04						
10	16QAM	25	12	22.87	22.72	23.04	22.80	22.82						
10	16QAM	25	25	22.84	22.84	22.81	22.84	22.86	24	0				
10	16QAM	50	0	22.85	22.91	22.80	22.89	22.91						
10	64QAM	1	0	23.06	23.03	23.29	23.10	23.35						
10	64QAM	1	25	23.17	23.17	23.10	23.24	23.22						
10	64QAM	1	49	23.11	23.15	23.19	23.12	23.26	24	0				
10	64QAM	25	0	22.95	23.03	22.80	22.85	23.08						
10	64QAM	25	12	22.79	22.84	22.91	22.98	22.85						
10	64QAM	25	25	22.76	22.83	22.96	22.88	22.72						
10	64QAM	50	0	22.87	22.79	23.04	23.02	22.83	23	1				
10	256QAM	1	0	21.58	21.70	21.81	21.68	21.69						
10	256QAM	1	25	21.86	21.83	21.86	21.75	21.87						
10	256QAM	1	49	21.48	21.64	21.65	21.68	21.58						
10	256QAM	25	0	21.43	21.50	21.61	21.60	21.58	23	1				
10	256QAM	25	12	21.35	21.42	21.47	21.57	21.45						
10	256QAM	25	25	21.29	21.37	21.41	21.47	21.30						
10	256QAM	50	0	21.35	21.48	21.60	21.58	21.55						
Channel														
Frequency (MHz)				36675	40146	40620	41060	41565	Tune-up Int (dBm)	MPR (dB)				
5	QPSK	1	0	22.92	23.16	23.21	23.22	23.34	24.00	0				
5	QPSK	1	12	23.15	23.34	23.07	23.06	23.16						
5	QPSK	1	24	23.08	23.14	23.27	22.92	23.13						
5	QPSK	12	0	22.89	23.33	22.85	22.89	23.12						
5	QPSK	12	7	23.01	22.85	22.83	23.07	23.05	24	0				
5	QPSK	12	14	22.98	23.08	23.10	22.87	23.03						
5	QPSK	25	0	22.84	22.99	22.84	23.00	23.00						
5	QPSK	25	7	23.00	23.01	23.08	23.28	23.25						
5	16QAM	1	0	22.87	23.01	23.11	23.08	23.31	24	0				
5	16QAM	1	12	23.01	23.01	23.17	23.08	23.08						
5	16QAM	1	24	22.78	23.08	23.24	23.04	23.08						
5	16QAM	12	7	22.85	22.85	22.92	22.92	23.11						
5	16QAM	12	7	22.90	23.09	23.02	22.87	22.99	23	1				
5	16QAM	12	13	22.85	22.72	22.91	22.85	22.73						
5	16QAM	25	0	22.81	22.81	22.98	23.28	23.30						
5	64QAM	1	0	23.20	23.24	23.32	23.28	23.34						
5	64QAM	1	12	23.33	23.26	23.26	23.31	23.27	24	0				
5	64QAM	1	24	23.31	23.47	23.47	23.34	23.34						
5	64QAM	12	0	22.78	22.88	22.98	23.74	23.03						
5	64QAM	12	7	22.85	22.96	22.91	22.92	22.83						
5	64QAM	25	0	22.87	22.87	22.97	23.05	23.00	23	1				
5	64QAM	25	13	22.87	22.87	22.97	23.05	23.00						
5	256QAM	1	0	21.58	21.67	21.80	21.63	21.67						
5	256QAM	1	12	21.58	21.69	21.81	21.67	21.87						
5	256QAM	1	24	21.54	21.59	21.64	21.71	21.55	23	1				
5	256QAM	12	0	21.43	21.51	21.61	21.60	21.54						
5	256QAM	12	7	21.35	21.41	21.49	21.58	21.41						
5	256QAM	12	13	21.33	21.41	21.42	21.43	21.37						
5	256QAM	25	0	21.33	21.48	21.57	21.55	21.45						

S/N		GSM900 Axs									
		Base Average Power (dBm)					Frame Average Power (dBm)				
Tx Channel		Limit	812	868	810	Limit	812	868	810	Limit	
Frequency (MHz)		810.2	868.2	869.8	(dBm)	810.2	868.2	869.8	(dBm)		
GSM 1 Tx Wd		20.56	20.60	20.63	30.50	20.56	20.60	20.63	21.30		
GSM 1 Tx Wd		20.52	20.61	20.49	30.50	20.52	20.61	20.49	21.50		
GPRS 3 Tx Wd		21.05	21.12	20.97	26.00	21.05	21.12	20.97	22.00		
GPRS 3 Tx Wd		20.70	21.10	20.40	26.00	21.44	21.50	21.40	22.24		
GPRS 6 Tx Wd		20.14	21.37	21.40	24.00	20.14	20.37	20.60	21.50		
EDGE 1 Tx Wd		20.06	20.13	24.50	26.00	18.06	16.13	18.50	17.00		
EDGE 2 Tx Wd		19.93	20.42	23.40	24.50	17.33	17.43	17.40	18.50		
EDGE 3 Tx Wd		22.21	22.55	22.25	23.50	17.80	18.00	17.80	19.24		
EDGE 4 Tx Wd		20.13	20.10	20.08	21.00	17.13	17.10	17.08	18.00		
		W-CDMA I Axs					W-CDMA IV Axs				
Base		W-CDMA II					W-CDMA IV				
Tx Channel		5882	5880	5838	Limit	5912	5881	5938	Limit		
Rx Channel		5882	5880	5838	(dBm)	5912	5888	5798	(dBm)		
Frequency (MHz)		5882	5880	5838	24.00	5912	5910	5910	24.00		
SOPF Rel 99		22.56	23.00	23.00	24.00	21.34	22.00	21.31	24.00		
SOPF Rel 99		23.05	23.00	22.02	24.00	22.89	23.00	22.84	24.00		
SOPF Rel 6		21.05	22.14	22.11	23.00	21.01	22.04	21.04	23.00		
SOPF Rel 6		22.04	22.17	21.92	23.00	21.83	22.07	21.84	23.00		
SOPF Rel 6		21.64	21.60	21.57	23.00	21.50	21.49	21.44	22.50		
SOPF Rel 6		21.48	21.60	21.60	22.00	21.43	21.50	21.50	22.50		
SOPF Rel 6		22.06	22.17	21.98	23.00	21.90	22.00	21.90	23.00		
SOPF Rel 6		21.89	22.13	22.18	23.00	21.91	22.07	22.07	23.00		
SOPF Rel 6		21.37	21.57	21.48	22.00	21.28	21.46	21.34	22.50		
SOPF Rel 6		21.43	21.50	21.44	22.00	21.30	21.45	21.31	22.50		
SOPF Rel 6		22.08	22.31	21.97	23.00	22.04	22.04	21.94	23.00		
SOPF Rel 6		20.23	20.14	20.17	21.00	19.20	20.00	19.24	21.00		
SOPF Rel 6		21.20	21.00	21.03	22.00	21.10	20.90	20.90	22.00		
SOPF Rel 6		19.98	20.25	20.22	21.00	19.84	20.10	20.08	21.00		
SOPF Rel 6		22.03	22.04	21.94	23.00	21.90	21.90	21.80	23.00		

Band 2 Default Ant3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.65	22.72	22.75			24	0		
20	QPSK	1	49	22.62	22.63	22.64						
20	QPSK	1	99	22.45	22.58	22.63			24	0		
20	QPSK	50	0	22.49	22.57	22.63						
20	QPSK	24	0	22.45	22.58	22.67			24	0		
20	QPSK	50	50	22.38	22.47	22.58						
20	QPSK	100	0	22.45	22.60	22.61			24	0		
20	HQAM	50	0	22.40	22.58	22.68						
20	HQAM	1	49	22.36	22.45	22.41			24	0		
20	HQAM	1	99	22.33	22.44	22.37						
20	HQAM	50	0	22.38	22.54	22.64			24	0		
20	HQAM	50	24	22.38	22.37	22.31						
20	HQAM	50	50	22.32	22.39	22.31			24	0		
20	HQAM	100	0	22.42	22.46	22.38						
20	SSBQAM	1	49	19.47	19.43	19.48			21	3		
20	SSBQAM	1	99	19.38	19.43	19.33						
20	SSBQAM	50	0	19.27	19.53	19.27			21	3		
20	SSBQAM	50	24	19.33	19.39	19.36						
20	SSBQAM	50	50	19.25	19.35	19.32			20	3		
20	SSBQAM	100	0	19.43	19.43	19.43						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.80	22.88	22.81			24	0		
15	QPSK	1	37	22.42	22.58	22.48						
15	QPSK	1	74	22.40	22.49	22.46			24	0		
15	QPSK	36	0	22.42	22.59	22.47						
15	QPSK	36	20	22.30	22.51	22.38			24	0		
15	QPSK	36	36	22.31	22.39	22.29						
15	QPSK	75	0	22.34	22.59	22.34			24	0		
15	HQAM	1	0	22.30	22.53	22.42						
15	HQAM	1	37	22.24	22.41	22.29			24	0		
15	HQAM	1	74	22.24	22.36	22.24						
15	HQAM	36	0	22.29	22.42	22.34			24	0		
15	HQAM	36	20	22.32	22.37	22.28						
15	HQAM	36	36	22.27	22.40	22.34			24	0		
15	HQAM	75	0	22.26	22.44	22.27						
15	HQAM	1	0	22.17	22.37	22.21			24	0		
15	HQAM	37	0	22.17	22.37	22.21						
15	HQAM	1	74	22.14	22.21	22.21			24	0		
15	HQAM	36	0	22.23	22.41	22.19						
15	HQAM	36	20	22.24	22.33	22.22			24	0		
15	HQAM	36	36	22.20	22.30	22.17						
15	HQAM	75	0	22.28	22.34	22.29			21	3		
15	HQAM	1	0	19.35	19.58	19.46						
15	SSBQAM	1	37	19.39	19.50	19.40			21	3		
15	SSBQAM	1	74	19.38	19.37	19.40						
15	SSBQAM	36	0	19.37	19.45	19.46			21	3		
15	SSBQAM	36	20	19.33	19.35	19.36						
15	SSBQAM	36	36	19.14	19.23	19.20			21	3		
15	SSBQAM	75	0	19.38	19.43	19.43						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.67	22.64	22.67			24	0		
10	QPSK	1	25	22.45	22.54	22.50						
10	QPSK	1	49	22.34	22.52	22.43			24	0		
10	QPSK	25	0	22.49	22.57	22.50						
10	QPSK	25	12	22.37	22.50	22.43			24	0		
10	QPSK	25	25	22.27	22.30	22.27						
10	QPSK	25	36	22.30	22.48	22.36			24	0		
10	HQAM	1	0	22.29	22.49	22.37						
10	HQAM	1	25	22.24	22.33	22.30			24	0		
10	HQAM	1	49	22.34	22.36	22.30						
10	HQAM	25	0	22.27	22.40	22.34			24	0		
10	HQAM	25	12	22.32	22.33	22.22						
10	HQAM	25	25	22.21	22.35	22.22			24	0		
10	HQAM	50	0	22.25	22.43	22.35						
10	HQAM	1	24	22.17	22.35	22.23			24	0		
10	HQAM	1	49	22.13	22.32	22.13						
10	HQAM	25	0	22.23	22.45	22.21			24	0		
10	HQAM	25	12	22.22	22.38	22.22						
10	HQAM	25	25	22.20	22.29	22.20			24	0		
10	HQAM	50	0	22.37	22.34	22.25						
10	SSBQAM	1	0	19.36	19.53	19.42			21	3		
10	SSBQAM	1	25	19.38	19.37	19.34						
10	SSBQAM	1	49	19.27	19.31	19.27			21	3		
10	SSBQAM	25	0	19.25	19.46	19.35						
10	SSBQAM	25	12	19.28	19.30	19.26			21	3		
10	SSBQAM	25	25	19.14	19.28	19.19						
10	SSBQAM	50	0	19.33	19.54	19.39			20	3		
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.63	22.61	22.61			24	0		
5	QPSK	1	12	22.39	22.54	22.48						
5	QPSK	1	24	22.38	22.51	22.49			24	0		
5	QPSK	12	7	22.41	22.57	22.49						
5	QPSK	12	13	22.34	22.45	22.41			24	0		
5	QPSK	12	25	22.30	22.39	22.33						
5	QPSK	25	0	22.34	22.52	22.33			24	0		
5	HQAM	1	0	22.31	22.45	22.33						
5	HQAM	1	12	22.31	22.42	22.28			24	0		
5	HQAM	1	24	22.19	22.33	22.23						
5	HQAM	12	0	22.33	22.46	22.39			24	0		
5	HQAM	12	7	22.24	22.33	22.28						
5	HQAM	12	13	22.21	22.28	22.20			24	0		
5	HQAM	25	0	22.29	22.46	22.23						
5	HQAM	1	0	22.20	22.41	22.32			24	0		
5	HQAM	1	12	22.17	22.35	22.22						
5	HQAM	1	24	22.20	22.24	22.23			24	0		
5	HQAM	12	0	22.14	22.40	22.15						
5	HQAM	12	7	22.23	22.23	22.20			24	0		
5	HQAM	12	13	22.14	22.20	22.15						
5	HQAM	25	0	22.37	22.38	22.27			21	3		
5	SSBQAM	1	0	19.37	19.59	19.39						
5	SSBQAM	1	12	19.43	19.52	19.42			21	3		
5	SSBQAM	1	24	19.26	19.33	19.26						
5	SSBQAM	12	0	19.28	19.42	19.33			21	3		
5	SSBQAM	12	7	19.28	19.33	19.26						
5	SSBQAM	12	13	19.13	19.29	19.28			21	3		
5	SSBQAM	25	0	19.29	19.58	19.48						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.51	22.66	22.50			24	0		
3	QPSK	1	8	22.37	22.51	22.46						
3	QPSK	1	14	22.39	22.51	22.41			24	0		
3	QPSK	8	0	22.43	22.58	22.54						
3	QPSK	8	4	22.39	22.42	22.43			24	0		
3	QPSK	8	7	22.35	22.33	22.34						
3	QPSK	15	0	22.34	22.46	22.36			24	0		
3	HQAM	1	0	22.32	22.53	22.41						
3	HQAM	1	8	22.26	22.36	22.33			24	0		
3	HQAM	1	14	22.18	22.30	22.30						
3	HQAM	8	0	22.31	22.43	22.31			24	0		
3	HQAM	8	4	22.31	22.31	22.27						
3	HQAM	8	7	22.27	22.27	22.23			24	0		
3	HQAM	15	0	22.46	22.46	22.39						
3	HQAM	1	0	22.23	22.40	22.20			24	0		
3	HQAM	1	8	22.22	22.38	22.21						
3	HQAM	8	0	22.23	22.41	22.18			24	0		
3	HQAM	8	4	22.22	22.23	22.27						
3	HQAM	8	7	22.18	22.25	22.21			24	0		
3	HQAM	15	0	22.35	22.35	22.28						
3	SSBQAM	1	0	19.42	19.56	19.36			21	3		
3	SSBQAM	1	8	19.43	19.43	19.43						
3	SSBQAM	1	14	19.23	19.29	19.21			21	3		
3	SSBQAM	8	0	19.29	19.47	19.33						
3	SSBQAM	8	4	19.29	19.44	19.31			24	0		
3	SSBQAM	8	7	19.19	19.30	19.26						
3	SSBQAM	15	0	19.36	19.56	19.36			21	3		
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.61	22.61	22.68					24	0
1.4	QPSK	1	5	22.37	22.51	22.46						
1.4	QPSK	1	5	22.39	22.51	22.41			24	0		
1.4	QPSK	1	5	22.43	22.53	22.48						
1.4	QPSK	3	0	22.43	22.56	22.46			24	0		
1.4	QPSK	3	0	22.31	22.41	22.31						
1.4	QPSK	3	3	22.35	22.46	22.38			24	0		
1.4	QPSK	3	3	22.31	22.46	22.37						
1.4	QPSK	3	3	22.29	22.47	22.38			24	0		
1.4	QPSK	1	3	22.28	22.41	22.38						
1.4	HQAM	1	3	22.24	22.30	22.23			24	0		
1.4	HQAM	3	3	22.26	22.31	22.29						
1.4	HQAM	3	3	22.24	22.24	22.24			24	0		
1.4	HQAM	3	3	22.19	22.31	22.19						
1.4	HQAM	3	3	22.19	22.42	22.32			24	0		
1.4	HQAM	3	3	22.19	22.42	22.32						
1.4	HQAM	3	3	22.19	22.31	22.19			24	0		
1.4	HQAM	3	3	22.19	22.31	22.19						
1.4	HQAM	3	3	22.19	22.31	22.19			24	0		
1.4	HQAM	3	3	22.19	22.31	22.19						
1.4	SSBQAM	1	3	19.46	19.50	19.31			21	3		
1.4	SSBQAM	1	3	19.38	19.40	19.37						
1.4	SSBQAM	3	3	19.28	19.30	19.28			21	3		

Band 25 Default Ant3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.60	22.70	22.72	24	0		
20	QPSK	1	49	22.48	22.48	22.48				
20	QPSK	1	99	22.36	22.55	22.55				
20	QPSK	50	0	22.50	22.60	22.67				
20	QPSK	50	24	22.39	22.50	22.67	24	0		
20	QPSK	50	50	22.39	22.49	22.45				
20	QPSK	100	0	22.49	22.52	22.53				
20	16QAM	1	0	22.42	22.42	22.47				
20	16QAM	1	49	22.36	22.42	22.38	24	0		
20	16QAM	1	99	22.39	22.44	22.38				
20	16QAM	50	0	22.37	22.56	22.37				
20	16QAM	50	24	22.40	22.45	22.42				
20	16QAM	50	50	22.24	22.36	22.34	24	0		
20	16QAM	100	0	22.47	22.51	22.36				
20	16QAM	1	0	22.39	22.55	22.46				
20	16QAM	1	49	22.35	22.40	22.52				
20	16QAM	50	0	21.45	21.56	21.45	23	1		
20	16QAM	50	24	21.38	21.38	21.36				
20	16QAM	50	50	21.26	21.33	21.34				
20	16QAM	100	0	21.59	21.64	21.57				
20	256QAM	1	49	19.51	19.60	19.52	21	3		
20	256QAM	1	99	19.44	19.48	19.40				
20	256QAM	50	24	19.38	19.48	19.41				
20	256QAM	50	50	19.42	19.40	19.39				
20	256QAM	100	0	19.44	19.44	19.44	21	3		
Channel				26115	26160	26160	Turn-up time (sec)	MFR (dB)		
Frequency (MHz)				1807.5	1808	1907.5				
15	QPSK	1	0	22.50	22.69	22.69	24	0		
15	QPSK	1	37	22.45	22.48	22.47				
15	QPSK	1	74	22.27	22.48	22.42				
15	QPSK	36	0	22.38	22.62	22.37				
15	QPSK	36	25	22.30	22.37	22.41	24	0		
15	QPSK	36	39	22.35	22.43	22.42				
15	QPSK	75	0	22.44	22.59	22.41				
15	16QAM	1	0	22.36	22.51	22.34				
15	16QAM	1	37	22.25	22.39	22.31	24	0		
15	16QAM	1	74	22.31	22.35	22.35				
15	16QAM	36	0	22.26	22.53	22.29				
15	16QAM	36	20	22.32	22.33	22.33				
15	16QAM	75	0	22.34	22.58	22.43	24	0		
15	16QAM	75	0	22.34	22.58	22.43				
15	16QAM	1	0	22.30	22.42	22.36				
15	16QAM	1	37	22.33	22.49	22.42				
15	16QAM	1	74	22.22	22.24	22.13	24	0		
15	16QAM	36	0	21.34	21.52	21.34				
15	16QAM	36	39	21.38	21.38	21.36				
15	16QAM	36	39	21.17	21.15	21.21				
15	16QAM	75	0	21.62	21.68	21.54	23	1		
15	256QAM	1	0	19.42	19.53	19.40				
15	256QAM	1	37	19.40	19.61	19.37				
15	256QAM	1	74	19.30	19.38	19.36				
15	256QAM	36	20	19.29	19.43	19.29	21	3		
15	256QAM	36	20	19.29	19.43	19.29				
15	256QAM	36	39	19.34	19.35	19.26				
15	256QAM	75	0	19.32	19.33	19.40				
Channel				26060	26160	26060	Turn-up time (sec)	MFR (dB)		
Frequency (MHz)				22.615	22.63	22.64				
10	QPSK	1	0	22.69	22.83	22.83	24	0		
10	QPSK	1	25	22.35	22.52	22.44				
10	QPSK	1	49	22.26	22.47	22.47				
10	QPSK	36	0	22.37	22.50	22.43				
10	QPSK	25	12	22.26	22.37	22.40	24	0		
10	QPSK	25	25	22.30	22.35	22.38				
10	QPSK	36	25	22.35	22.43	22.40				
10	16QAM	1	0	22.39	22.45	22.39				
10	16QAM	1	26	22.25	22.37	22.29	24	0		
10	16QAM	1	74	22.34	22.39	22.34				
10	16QAM	25	0	22.34	22.52	22.39				
10	16QAM	25	12	22.26	22.36	22.38				
10	16QAM	36	0	22.26	22.34	22.29	24	0		
10	16QAM	36	0	22.26	22.34	22.29				
10	16QAM	50	0	22.33	22.52	22.34				
10	16QAM	1	0	22.39	22.42	22.33				
10	16QAM	1	24	22.23	22.30	22.21	24	0		
10	16QAM	1	49	22.15	22.23	22.14				
10	16QAM	25	0	21.37	21.45	21.35				
10	16QAM	25	12	21.34	21.41	21.29				
10	16QAM	25	25	21.22	21.20	21.25	23	1		
10	16QAM	50	0	21.54	21.54	21.44				
10	256QAM	1	0	19.48	19.53	19.43				
10	256QAM	1	26	19.39	19.59	19.44				
10	256QAM	1	49	19.35	19.35	19.35	21	3		
10	256QAM	25	0	19.32	19.63	19.35				
10	256QAM	25	12	19.32	19.33	19.31				
10	256QAM	25	25	19.37	19.26	19.25				
10	256QAM	50	0	19.41	19.53	19.47	21	3		
Channel				26065	26160	26065	Turn-up time (sec)	MFR (dB)		
Frequency (MHz)				1807.5	1808	1807.5				
5	QPSK	1	0	22.50	22.67	22.65	24	0		
5	QPSK	1	12	22.42	22.57	22.40				
5	QPSK	1	24	22.25	22.46	22.41				
5	QPSK	12	0	22.45	22.71	22.44				
5	QPSK	12	7	22.30	22.46	22.39	24	0		
5	QPSK	12	13	22.26	22.44	22.38				
5	QPSK	25	0	22.45	22.45	22.40				
5	16QAM	1	0	22.29	22.48	22.40				
5	16QAM	1	12	22.32	22.39	22.24	24	0		
5	16QAM	1	24	22.26	22.43	22.35				
5	16QAM	12	0	22.24	22.45	22.23				
5	16QAM	12	7	22.33	22.39	22.26				
5	16QAM	12	13	22.26	22.29	22.20	24	0		
5	16QAM	25	0	22.36	22.49	22.35				
5	16QAM	1	0	22.32	22.47	22.42				
5	16QAM	1	12	22.26	22.34	22.17				
5	16QAM	1	24	22.14	22.24	22.25	23	1		
5	16QAM	12	0	21.34	21.47	21.36				
5	16QAM	12	7	21.28	21.24	21.29				
5	16QAM	12	13	21.12	21.27	21.24				
5	16QAM	25	0	21.46	21.69	21.49	23	1		
5	16QAM	15	0	19.47	19.57	19.38				
5	256QAM	1	12	19.38	19.52	19.33				
5	256QAM	1	24	19.31	19.39	19.26				
5	256QAM	12	0	19.37	19.56	19.42	21	3		
5	256QAM	12	7	19.32	19.41	19.26				
5	256QAM	12	13	19.38	19.32	19.30				
5	256QAM	25	0	19.31	19.60	19.40				

Band 38 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.37	22.40	22.32	23.7	0	
20	QPSK	1	49	22.05	22.28	22.22			
20	QPSK	1	89	22.80	22.24	22.32			
20	QPSK	50	0	22.19	22.43	22.23	23.7	0	
20	QPSK	50	24	21.96	22.14	22.13			
20	QPSK	50	50	22.00	22.22	22.28			
20	QPSK	100	0	22.09	22.19	22.17	23.7	0	
20	16QAM	1	0	21.91	22.05	22.01			
20	16QAM	1	49	22.51	21.93	22.08			
20	16QAM	1	99	21.99	22.04	21.92	23.6	0.1	
20	16QAM	50	0	22.14	22.07	22.06			
20	16QAM	50	24	22.04	22.19	22.02			
20	16QAM	50	50	21.92	21.99	22.07	23.6	0.1	
20	16QAM	100	0	22.07	22.08	22.07			
20	64QAM	1	49	22.17	22.08	22.04			
20	64QAM	1	99	21.80	22.08	21.80	22.6	1.1	
20	64QAM	50	0	21.80	22.01	21.90			
20	64QAM	50	24	21.82	21.80	21.80			
20	64QAM	50	50	21.72	21.88	21.78	22.6	1.1	
20	64QAM	100	0	21.87	22.01	21.91			
20	256QAM	1	0	19.81	20.02	19.87			
20	256QAM	1	49	19.81	20.02	19.85	20.6	3.1	
20	256QAM	1	99	19.80	19.77	19.75			
20	256QAM	50	0	19.80	20.02	19.80			
20	256QAM	50	24	19.89	19.85	19.97	20.6	3.1	
20	256QAM	50	50	19.82	19.85	19.77			
20	256QAM	100	0	19.81	20.13	19.80			
Channel									
Frequency (MHz)									
16	QPSK	1	0	22.26	22.26	22.22	23.7	0	
16	QPSK	1	37	21.84	22.08	22.04			
16	QPSK	1	74	22.00	21.88	22.02			
16	QPSK	36	0	22.13	22.28	22.06	23.7	0	
16	QPSK	36	20	21.89	22.13	22.13			
16	QPSK	36	36	21.89	22.08	21.86			
16	16QAM	1	0	21.83	21.94	21.86	23.7	0	
16	16QAM	1	37	21.82	21.93	22.00			
16	16QAM	1	74	21.87	22.00	21.93			
16	16QAM	36	0	22.12	22.19	22.17	23.6	0.1	
16	16QAM	36	20	21.86	22.18	21.88			
16	16QAM	36	36	21.88	21.87	21.85			
16	16QAM	75	0	22.33	22.40	22.06	23.6	0.1	
16	64QAM	1	0	22.03	22.09	22.06			
16	64QAM	1	37	21.99	22.03	22.07			
16	16QAM	1	74	21.92	22.00	21.85	22.6	1.1	
16	64QAM	36	0	21.75	21.97	21.84			
16	64QAM	36	20	21.87	21.81	21.87			
16	64QAM	36	36	21.84	21.77	21.78	22.6	1.1	
16	64QAM	75	0	21.83	21.95	21.75			
16	256QAM	1	0	19.75	19.85	19.75			
16	256QAM	1	37	19.85	19.80	19.74	20.6	3.1	
16	256QAM	1	74	19.68	19.83	19.68			
16	256QAM	36	0	19.80	19.89	19.75			
16	256QAM	36	20	19.82	19.73	19.75	20.6	3.1	
16	256QAM	36	36	19.77	19.77	19.66			
16	256QAM	75	0	19.83	20.00	19.85			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.74	22.74	22.72	23.7	0	
10	QPSK	1	25	22.00	22.08	22.07			
10	QPSK	1	49	21.90	21.95	21.90			
10	QPSK	25	0	22.10	22.23	22.24	23.7	0	
10	QPSK	25	12	21.85	22.04	21.95			
10	QPSK	25	25	21.89	22.13	21.89			
10	16QAM	1	0	21.85	21.83	21.84	23.7	0	
10	16QAM	1	25	22.02	21.85	22.06			
10	16QAM	1	49	22.00	21.88	21.89			
10	16QAM	25	0	21.83	22.18	22.17	23.6	0.1	
10	16QAM	25	12	22.04	22.08	22.00			
10	16QAM	25	25	21.75	22.01	21.88			
10	16QAM	50	0	22.25	22.40	22.18	23.6	0.1	
10	64QAM	1	0	22.00	22.01	22.14			
10	64QAM	1	25	22.19	21.93	22.03			
10	64QAM	1	49	21.84	22.04	21.91	22.6	1.1	
10	64QAM	25	0	21.70	21.91	21.85			
10	64QAM	25	12	21.78	21.81	21.87			
10	64QAM	25	25	21.64	21.75	21.64	22.6	1.1	
10	64QAM	50	0	21.88	21.91	21.88			
10	256QAM	1	0	19.73	19.91	19.75			
10	256QAM	1	25	19.74	19.88	19.72	20.6	3.1	
10	256QAM	1	49	19.87	19.84	19.75			
10	256QAM	25	0	19.76	19.85	19.73			
10	256QAM	25	12	19.85	19.75	19.82	20.6	3.1	
10	256QAM	25	25	19.78	19.81	19.85			
10	256QAM	50	0	19.84	20.05	19.85			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.18	22.22	22.20	23.7	0	
5	QPSK	1	12	21.98	22.15	22.01			
5	QPSK	1	24	21.81	21.91	22.10			
5	QPSK	12	0	22.20	22.28	22.21	23.7	0	
5	QPSK	12	7	21.88	21.94	22.07			
5	QPSK	12	13	21.84	22.22	22.03			
5	QPSK	25	0	22.01	22.11	22.10	23.7	0	
5	16QAM	1	0	21.80	21.95	21.81			
5	16QAM	1	12	21.89	21.73	21.88			
5	16QAM	1	24	21.87	22.00	21.85	23.6	0.1	
5	16QAM	12	0	21.97	22.09	22.21			
5	16QAM	12	7	21.86	22.01	22.02			
5	16QAM	12	13	21.79	21.84	21.80	22.6	0.1	
5	16QAM	25	0	22.17	22.40	22.07			
5	64QAM	1	0	21.94	21.87	22.19			
5	64QAM	1	12	22.06	21.87	21.91	22.6	0.1	
5	64QAM	1	24	21.78	21.99	21.84			
5	64QAM	12	0	21.71	21.81	21.78			
5	64QAM	12	7	21.71	21.80	21.66	22.6	1.1	
5	64QAM	12	13	21.69	21.78	21.73			
5	64QAM	25	0	21.85	21.96	21.78			
5	256QAM	1	0	19.67	19.89	19.81	20.6	3.1	
5	256QAM	1	12	19.68	19.83	19.77			
5	256QAM	1	24	19.69	19.87	19.62			
5	256QAM	12	0	19.80	19.93	19.73	20.6	3.1	
5	256QAM	12	7	19.75	19.76	19.84			
5	256QAM	12	13	19.79	19.76	19.70			
5	256QAM	25	0	19.88	20.05	19.88	20.6	3.1	

Band 41_Standalone FCC&IC Ant3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power High Ch / Freq	Power High Mid Ch / Freq	Power High Ch / Freq	Power High Mid Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.49	22.49	22.45	22.30	22.30	22.45	23.7	0
20	QPSK	1	49	22.34	22.38	22.35	22.20	22.38	22.30		
20	QPSK	1	89	22.30	22.35	22.38	22.28	22.30	22.35		
20	QPSK	50	0	22.40	22.40	22.30	22.20	22.30	22.40	23.1	0.6
20	QPSK	50	24	22.31	22.34	22.35	22.25	22.30	22.30		
20	QPSK	50	49	22.28	22.32	22.35	22.20	22.30	22.35		
20	QPSK	100	0	22.33	22.22	22.43	22.20	22.38	22.30	23.1	0.6
20	16QAM	1	0	22.49	22.49	22.44	22.30	22.30	22.44		
20	16QAM	1	49	22.30	22.34	22.37	22.18	22.37	22.30		
20	16QAM	1	99	22.25	22.17	22.34	22.22	22.26	22.21	22.1	1.6
20	16QAM	50	0	21.87	21.81	21.85	21.51	21.51	21.87		
20	16QAM	50	25	21.83	21.80	21.82	21.46	21.32	21.83		
20	16QAM	100	0	21.86	21.67	21.67	21.57	21.57	21.86	22.1	1.6
20	16QAM	100	50	21.83	21.80	21.82	21.46	21.32	21.83		
20	16QAM	100	100	21.80	21.74	21.74	21.57	21.57	21.80		
20	64QAM	1	0	21.80	21.50	21.67	21.53	21.50	21.80	21.1	2.6
20	64QAM	1	49	21.74	21.44	21.51	21.38	21.38	21.74		
20	64QAM	1	89	21.67	21.40	21.51	21.37	21.37	21.67		
20	64QAM	50	0	20.84	20.70	20.86	20.67	20.73	20.84	21.1	2.6
20	64QAM	50	24	20.85	20.60	20.76	20.62	20.60	20.85		
20	64QAM	50	49	20.84	20.65	20.73	20.57	20.57	20.84		
20	64QAM	100	0	20.67	20.71	20.81	20.66	20.66	20.67	21.1	2.6
20	64QAM	100	50	20.68	20.60	20.76	20.62	20.60	20.68		
20	64QAM	100	100	20.64	20.60	20.76	20.57	20.57	20.64		
20	256QAM	1	0	18.42	18.31	18.32	18.04	18.04	18.42	19.1	4.6
20	256QAM	1	39	18.38	18.35	18.32	18.00	18.00	18.38		
20	256QAM	1	79	18.27	18.31	18.28	18.01	18.01	18.27		
20	256QAM	1	119	18.27	18.31	18.28	18.01	18.01	18.27	19.1	4.6
20	256QAM	50	0	18.41	18.46	18.51	18.43	18.46	18.41		
20	256QAM	50	25	18.42	18.35	18.49	18.38	18.45	18.42		
20	256QAM	100	0	18.37	18.50	18.43	18.34	18.34	18.37	21.1	2.6
20	256QAM	100	50	18.38	18.43	18.49	18.38	18.45	18.38		
20	256QAM	100	100	18.35	18.45	18.43	18.34	18.34	18.35		
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.47	22.47	22.51	22.30	22.42	22.42	23.7	0
15	QPSK	1	37	22.25	22.27	22.45	22.32	22.32	22.30		
15	QPSK	1	74	22.22	22.23	22.34	22.19	22.24	22.22		
15	QPSK	36	0	22.28	22.27	22.28	22.20	22.28	22.28	23.1	0.6
15	QPSK	36	18	22.25	22.14	22.28	22.17	22.17	22.25		
15	QPSK	36	36	22.18	22.15	22.28	22.10	22.17	22.18		
15	QPSK	72	0	22.22	22.10	22.24	22.13	22.13	22.22	23.1	0.6
15	16QAM	1	0	22.26	22.18	22.26	22.19	22.22	22.26		
15	16QAM	1	36	22.13	22.12	22.26	22.09	22.13	22.13		
15	16QAM	1	74	22.18	22.08	22.21	22.17	22.13	22.18	22.1	1.6
15	16QAM	36	0	21.80	21.44	21.84	21.49	21.39	21.80		
15	16QAM	36	18	21.27	21.36	21.82	21.40	21.41	21.27		
15	16QAM	36	36	21.22	21.35	21.33	21.23	21.29	21.22	22.1	1.6
15	16QAM	72	0	21.50	21.51	21.51	21.50	21.50	21.50		
15	16QAM	72	36	21.50	21.40	21.52	21.50	21.50	21.50		
15	64QAM	1	0	21.48	21.33	21.44	21.40	21.30	21.48	22.1	1.6
15	64QAM	1	37	21.29	21.37	21.41	21.29	21.41	21.29		
15	64QAM	1	74	21.20	21.40	21.33	21.20	21.40	21.20		
15	64QAM	36	0	20.71	20.66	20.73	20.66	20.67	20.71	21.1	2.6
15	64QAM	36	18	20.63	20.56	20.67	20.59	20.58	20.63		
15	64QAM	36	36	20.59	20.57	20.57	20.59	20.58	20.59		
15	64QAM	72	0	20.64	20.57	20.76	20.59	20.58	20.64	21.1	2.6
15	256QAM	1	0	18.36	18.26	18.36	18.00	18.00	18.36		
15	256QAM	1	37	18.24	18.20	18.41	18.16	18.35	18.24		
15	256QAM	1	74	18.11	18.20	18.25	18.25	18.11	18.11	19.1	4.6
15	256QAM	1	119	18.08	18.36	18.35	18.04	18.04	18.08		
15	256QAM	50	0	18.37	18.32	18.42	18.30	18.32	18.37		
15	256QAM	50	25	18.28	18.28	18.37	18.34	18.36	18.28	19.1	4.6
15	256QAM	50	49	18.45	18.45	18.45	18.45	18.45	18.45		
15	256QAM	100	0	18.30	18.45	18.45	18.34	18.34	18.30		
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.39	22.37	22.51	22.21	22.21	22.43	23.7	0
10	QPSK	1	25	22.29	22.31	22.53	22.26	22.21	22.30		
10	QPSK	1	49	22.22	22.31	22.53	22.20	22.21	22.22		
10	QPSK	25	0	22.29	22.17	22.50	22.21	22.22	22.29	23.1	0.6
10	QPSK	25	12	22.19	22.17	22.28	22.20	22.21	22.19		
10	QPSK	25	25	22.13	22.13	22.28	22.13	22.13	22.13		
10	QPSK	50	0	22.29	22.19	22.33	22.21	22.28	22.28	23.1	0.6
10	16QAM	1	0	22.29	22.16	22.32	22.22	22.26	22.29		
10	16QAM	1	25	22.12	22.12	22.32	22.09	22.16	22.12		
10	16QAM	1	49	21.86	22.13	22.30	22.19	22.11	21.86	22.1	1.6
10	16QAM	25	0	21.51	21.59	21.52	21.42	21.41	21.51		
10	16QAM	25	12	21.33	21.38	21.41	21.30	21.38	21.33		
10	16QAM	25	25	21.27	21.32	21.37	21.25	21.29	21.27	22.1	1.6
10	16QAM	50	0	21.53	21.40	21.41	21.40	21.43	21.53		
10	16QAM	50	12	21.37	21.40	21.52	21.43	21.50	21.37		
10	64QAM	1	0	21.43	21.42	21.42	21.43	21.40	21.43	22.1	1.6
10	64QAM	1	25	21.37	21.43	21.43	21.37	21.38	21.37		
10	64QAM	1	49	21.30	21.40	21.43	21.30	21.43	21.30		
10	64QAM	25	0	20.76	20.60	20.63	20.71	20.65	20.76	21.1	2.6
10	64QAM	25	12	20.47	20.56	20.67	20.58	20.57	20.47		
10	64QAM	25	25	20.43	20.59	20.69	20.54	20.56	20.43		
10	64QAM	50	0	20.58	20.63	20.69	20.54	20.56	20.58	21.1	2.6
10	256QAM	1	0	18.36	18.27	18.36	18.00	18.00	18.36		
10	256QAM	1	25	18.26	18.23	18.46	18.25	18.30	18.26		
10	256QAM	1	49	18.21	18.21	18.23	18.24	18.21	18.21	19.1	4.6
10	256QAM	1	74	18.08	18.36	18.35	18.04	18.04	18.08		
10	256QAM	25	0	18.32	18.42	18.37	18.39	18.29	18.32		
10	256QAM	25	12	18.30	18.31	18.41	18.25	18.36	18.30	19.1	4.6
10	256QAM	25	25	18.32	18.39	18.42	18.32	18.39	18.32		
10	256QAM	50	0	18.36	18.46	18.40	18.35	18.40	18.36		
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.40	22.44	22.49	22.22	22.43	22.43	23.7	0
5	QPSK	1	12	22.20	22.25	22.43	22.32	22.30	22.30		
5	QPSK	1	24	22.21	22.24	22.43	22.20	22.30	22.21		
5	QPSK	12	0	22.36	22.22	22.33	22.22	22.30	22.30	23.1	0.6
5	QPSK	12	7	22.28	22.13	22.33	22.21	22.21	22.28		
5	QPSK	12	12	22.18	22.15	22.33	22.10	22.24	22.18		
5	QPSK	25	0	22.25	22.09	22.33	22.18	22.37	22.37	23.1	0.6
5	16QAM	1	0	22.27	22.20	22.33	22.29	22.30	22.27		
5	16QAM	1	12	22.13	22.13	22.33	22.08	22.16	22.13		
5	16QAM	1	24	22.20	22.14	22.31	22.10	22.18	22.20	22.1	1.6
5	16QAM	12	0	21.47	21.42	21.42	21.42	21.42	21.47		
5	16QAM	12	7	21.27	21.33	21.40	21.41	21.41	21.27		
5	16QAM	12	12	21.33	21.33	21.36	21.28	21.31	21.33	22.1	1.6
5	64QAM	1	0	21.48	21.44	21.50	21.63	21.53	21.48		
5	64QAM	1	12	21.39	21.38	21.48	21.43	21.41	21.39		
5	64QAM	1	24	21.41	21.41	21.47	21.47	21.47	21.41	22.1	1.6
5	64QAM	12	0	20.80	20.59	20.74	20.73	20.60	20.80		
5	64QAM	12	7	20.49	20.49	20.60	20.54	20.49	20.49		
5	64QAM	12	12	20.48	20.51	20.67	20.51	20.67	20.48	21.1	2.6
5	64QAM	25	0	20.58	20.59	20.76	20.67	20.60	20.58		
5	256QAM	1	0	18.38	18.24	18.38	18.27	18.24	18.38		
5	256QAM	1	12	18.26	18.24	18.46	18.21	18.30	18.26	19.1	4.6
5	256QAM	1	24	18.10	18.27	18.25	18.19	18.00	18.10		
5	256QAM	12	0	18.50	18.38	18.42	18.38	18.50	18.50		
5	256QAM	12	7	18.27	18.37	18.54	18.31	18.24	18.27	19.1	4.6
5	256QAM	12	12	18.27	18.21	18.36	18.34	18.26	18.27		
5	256QAM	25	0	18.47	18.38	18.48	18.44	18.48	18.47		

Band 41 PC2_Standalone FCC&IC Ant3												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Low-Mid Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)	MPR (dB)		
Channel												
Frequency (MHz)				36750	40185	40620	41055	41490				
20	QPSK	1	0	23.97	23.84	23.13	23.93	23.76	25.3	0		
20	QPSK	1	49	23.79	23.65	23.88	23.85	23.74				
20	QPSK	50	0	23.76	23.88	23.62	23.99	23.73	25.3	0		
20	QPSK	50	49	23.58	23.81	23.74	23.64	23.52				
20	QPSK	50	24	23.52	23.47	23.64	23.62	23.45	25.3	0		
20	QPSK	50	50	23.57	23.48	23.62	23.58	23.44				
20	16QAM	1	0	23.74	23.84	24.04	23.82	23.79	25.3	0		
20	16QAM	1	49	23.71	23.81	23.92	23.73	23.58				
20	16QAM	1	99	23.82	23.99	23.77	23.71	23.59	25.3	0		
20	16QAM	50	0	23.55	23.61	23.76	23.80	23.59				
20	16QAM	50	24	23.49	23.54	23.65	23.50	23.45	25.3	0		
20	16QAM	50	50	23.42	23.56	23.62	23.48	23.42				
20	16QAM	100	0	23.54	23.54	23.72	23.55	23.46	25.3	0		
20	64QAM	1	0	23.51	23.57	23.97	23.71	23.55				
20	64QAM	1	49	23.68	23.73	23.86	23.75	23.58	25	0.3		
20	64QAM	1	99	23.45	23.64	23.63	23.56	23.46				
20	64QAM	50	0	23.75	23.87	23.92	23.79	23.70	25	0.3		
20	64QAM	50	24	23.66	23.79	23.82	23.71	23.62				
20	64QAM	50	50	23.50	23.60	23.70	23.67	23.51	20	2.3		
20	64QAM	100	0	23.72	23.84	23.83	23.77	23.64				
20	256QAM	1	0	22.23	22.32	22.43	22.29	22.24	23	2.3		
20	256QAM	1	49	22.22	22.24	22.45	22.28	22.21				
20	256QAM	1	99	22.06	22.17	22.21	22.21	22.17	23	2.3		
20	256QAM	50	0	22.11	22.13	22.24	22.16	22.07				
20	256QAM	50	24	22.05	22.08	22.08	22.12	22.09	23	2.3		
20	256QAM	50	50	21.91	22.04	22.11	22.02	21.89				
20	256QAM	100	0	22.62	22.69	22.72	22.70	22.60				
Channel												
Frequency (MHz)				36725	40173	40620	41068	41515	Tune-up Int (dBm)	MPR (dB)		
15	QPSK	1	0	23.76	23.73	24.00	23.77	23.67	25	0		
15	QPSK	1	37	23.74	23.91	23.81	23.80	23.81				
15	QPSK	1	74	23.60	23.85	23.87	23.81	23.81	25.3	0		
15	QPSK	36	0	23.49	23.87	23.81	23.58	23.48				
15	QPSK	36	20	23.48	23.35	23.50	23.59	23.38	25.3	0		
15	QPSK	36	36	23.45	23.46	23.57	23.51	23.42				
15	16QAM	1	0	23.68	23.82	23.96	23.77	23.59	25.3	0		
15	16QAM	1	37	23.57	23.68	23.89	23.79	23.45				
15	16QAM	1	74	23.51	23.61	23.83	23.62	23.47	25.3	0		
15	16QAM	36	0	23.51	23.53	23.68	23.35	23.49				
15	16QAM	36	20	23.41	23.47	23.52	23.42	23.33	25	0.3		
15	16QAM	36	36	23.31	23.44	23.50	23.40	23.39				
15	16QAM	75	0	23.40	23.50	23.75	23.51	23.37	25.3	0		
15	64QAM	1	0	23.50	23.63	23.81	23.60	23.51				
15	64QAM	1	37	23.59	23.82	23.84	23.65	23.55	25.3	0		
15	64QAM	1	74	23.59	23.82	23.84	23.65	23.55				
15	64QAM	36	0	23.67	23.77	23.86	23.76	23.67	25	0.3		
15	64QAM	36	20	23.55	23.68	23.79	23.63	23.54				
15	64QAM	75	0	23.58	23.50	23.70	23.07	23.51	23	2.3		
15	256QAM	1	0	22.13	22.20	22.31	22.16	22.12				
15	256QAM	1	37	22.15	22.12	22.26	22.15	22.14	23	2.3		
15	256QAM	1	74	22.50	22.09	22.18	22.18	22.06				
15	256QAM	36	0	21.97	22.00	22.17	22.11	21.93	23	2.3		
15	256QAM	36	20	21.94	22.05	22.18	22.06	22.05				
15	256QAM	36	36	21.83	21.90	22.07	21.93	21.83	20	2.3		
15	256QAM	75	0	21.88	22.08	22.22	22.01	21.96				
Channel												
Frequency (MHz)				36725	40170	40620	41060	41540	Tune-up Int (dBm)	MPR (dB)		
10	QPSK	1	0	23.77	23.78	24.00	23.87	23.67	25	0		
10	QPSK	1	25	23.71	23.81	23.77	23.81	23.81				
10	QPSK	1	49	23.59	23.54	23.89	23.88	23.70	25.3	0		
10	QPSK	25	0	23.40	23.51	23.65	23.51	23.43				
10	QPSK	25	12	23.42	23.44	23.54	23.59	23.35	25.3	0		
10	QPSK	25	25	23.31	23.40	23.51	23.42	23.30				
10	16QAM	1	0	23.53	23.54	23.63	23.53	23.37	25.3	0		
10	16QAM	1	49	23.66	23.71	23.93	23.71	23.68				
10	16QAM	1	25	23.64	23.68	23.86	23.61	23.66	25.3	0		
10	16QAM	1	49	23.56	23.60	23.79	23.57	23.48				
10	16QAM	25	0	23.41	23.47	23.72	23.54	23.51	25.3	0		
10	16QAM	25	12	23.44	23.43	23.54	23.56	23.33				
10	16QAM	25	25	23.32	23.49	23.56	23.39	23.37	25.3	0		
10	16QAM	50	0	23.44	23.48	23.76	23.53	23.41				
10	64QAM	1	0	23.51	23.64	23.78	23.62	23.57	25.3	0		
10	64QAM	1	25	23.60	23.71	23.77	23.66	23.54				
10	64QAM	1	49	23.35	23.55	23.49	23.63	23.42	25	0.3		
10	64QAM	25	0	23.64	23.84	23.80	23.70	23.63				
10	64QAM	25	12	23.53	23.69	23.71	23.65	23.55	25	0.3		
10	64QAM	25	25	23.39	23.48	23.65	23.60	23.57				
10	64QAM	50	0	23.59	23.78	23.71	23.63	23.60	23	2.3		
10	256QAM	1	0	22.13	22.29	22.34	22.16	22.14				
10	256QAM	1	25	22.15	22.13	22.26	22.14	22.14	23	2.3		
10	256QAM	1	49	21.99	22.05	22.15	22.15	22.05				
10	256QAM	25	0	22.07	22.01	22.17	22.11	22.03	23	2.3		
10	256QAM	25	12	21.94	22.09	22.19	22.07	22.02				
10	256QAM	25	25	21.85	21.97	22.05	21.95	21.81	20	2.3		
10	256QAM	50	0	21.94	22.05	22.27	22.00	21.97				
Channel												
Frequency (MHz)				36675	40146	40620	41050	41465	Tune-up Int (dBm)	MPR (dB)		
5	QPSK	1	0	23.76	23.78	24.00	23.87	23.67	25	0		
5	QPSK	1	12	23.72	23.56	23.81	23.78	23.56				
5	QPSK	1	24	23.59	23.51	23.92						

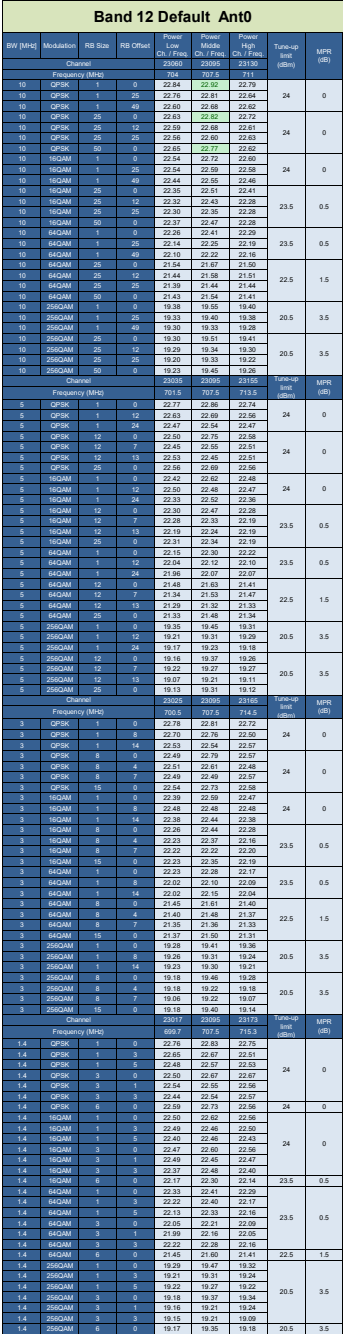


Reduced Power Mode for DS16-Simultaneous

DS16DS 2nd										
Tx Channel		Sust. Average Power (dBm)			Tx Channel		Frame Average Power (dBm)			
Frequency (MHz)		158.2	158.4	158.6	Tx Channel		158.2	158.4	158.6	
OPRM 1 Tx-Mtx		32.95	32.97	32.94	33.50	OPRM 1 Tx-Mtx <td>23.90</td> <td>23.97</td> <td>23.94</td>		23.90	23.97	23.94
OPRM 2 Tx-Mtx		32.89	32.94	32.91	33.50	OPRM 2 Tx-Mtx <td>23.84</td> <td>23.91</td> <td>23.88</td>		23.84	23.91	23.88
OPRM 3 Tx-Mtx		28.50	28.41	28.28	30.30	OPRM 3 Tx-Mtx <td>23.30</td> <td>23.41</td> <td>23.28</td>		23.30	23.41	23.28
EDGE 1 Tx-Mtx		28.01	28.01	28.06	30.30	EDGE 1 Tx-Mtx <td>24.03</td> <td>24.12</td> <td>24.02</td>		24.03	24.12	24.02
EDGE 2 Tx-Mtx		28.41	28.47	28.40	30.30	EDGE 2 Tx-Mtx <td>18.42</td> <td>18.40</td> <td>18.37</td>		18.42	18.40	18.37
EDGE 3 Tx-Mtx		22.77	23.09	22.79	27.79	EDGE 3 Tx-Mtx <td>17.77</td> <td>17.77</td> <td>17.78</td>		17.77	17.77	17.78
EDGE 4 Tx-Mtx		22.86	22.89	22.82	23.50	EDGE 4 Tx-Mtx <td>18.40</td> <td>18.43</td> <td>18.38</td>		18.40	18.43	18.38
EDGE 5 Tx-Mtx		20.59	20.63	20.60	21.50	EDGE 5 Tx-Mtx <td>17.58</td> <td>17.63</td> <td>17.60</td>		17.58	17.63	17.60
DS16DS 3rd										
Tx Channel		Sust. Average Power (dBm)			Tx Channel		Frame Average Power (dBm)			
Frequency (MHz)		1592.2	1592.4	1592.6	Tx Channel <td>1592.2</td> <td>1592.4</td> <td>1592.6</td>		1592.2	1592.4	1592.6	
OPRM 1 Tx-Mtx		27.61	27.62	27.62	OPRM 1 Tx-Mtx <td>18.42</td> <td>18.43</td> <td>18.43</td>		18.42	18.43	18.43	
OPRM 2 Tx-Mtx		27.54	27.63	27.58	OPRM 2 Tx-Mtx <td>18.54</td> <td>18.63</td> <td>18.58</td>		18.54	18.63	18.58	
OPRM 3 Tx-Mtx		24.84	24.84	24.83	OPRM 3 Tx-Mtx <td>18.84</td> <td>18.94</td> <td>18.89</td>		18.84	18.94	18.89	
EDGE 1 Tx-Mtx		23.33	23.39	23.35	EDGE 1 Tx-Mtx <td>19.07</td> <td>19.13</td> <td>19.07</td>		19.07	19.13	19.07	
EDGE 2 Tx-Mtx		20.70	20.75	20.68	EDGE 2 Tx-Mtx <td>17.70</td> <td>17.75</td> <td>17.68</td>		17.70	17.75	17.68	
EDGE 3 Tx-Mtx		12.76	12.81	12.73	EDGE 3 Tx-Mtx <td>13.70</td> <td>13.87</td> <td>13.73</td>		13.70	13.87	13.73	
EDGE 4 Tx-Mtx		21.09	21.10	21.11	EDGE 4 Tx-Mtx <td>15.09</td> <td>15.19</td> <td>15.11</td>		15.09	15.19	15.11	
EDGE 5 Tx-Mtx		16.07	16.12	16.04	EDGE 5 Tx-Mtx <td>12.81</td> <td>12.86</td> <td>12.78</td>		12.81	12.86	12.78	
EDGE 6 Tx-Mtx		17.06	17.09	17.04	EDGE 6 Tx-Mtx <td>14.96</td> <td>15.09</td> <td>15.04</td>		14.96	15.09	15.04	
WCDMA II A-Mtx										
Tx Channel		WCDMA II			Tx Channel		WCDMA IV A-Mtx			
Frequency (MHz)		1592.4	1592.6	1592.8	Tx Channel <td>1592.4</td> <td>1592.6</td> <td>1592.8</td>		1592.4	1592.6	1592.8	
WCDMA II A-Mtx		20.57	20.65	20.53	22.00	WCDMA IV A-Mtx <td>20.39</td> <td>20.47</td> <td>20.38</td>		20.39	20.47	20.38
WCDMA II B-Mtx		20.62	20.65	20.57	22.00	WCDMA IV B-Mtx <td>20.45</td> <td>20.51</td> <td>20.41</td>		20.45	20.51	20.41
WCDMA II C-Mtx		19.72	19.76	19.70	21.00	WCDMA IV C-Mtx <td>19.69</td> <td>19.70</td> <td>19.65</td>		19.69	19.70	19.65
WCDMA II D-Mtx		19.66	19.71	19.65	21.00	WCDMA IV D-Mtx <td>19.63</td> <td>19.63</td> <td>19.60</td>		19.63	19.63	19.60
WCDMA II E-Mtx		19.19	19.23	19.23	21.00	WCDMA IV E-Mtx <td>19.11</td> <td>19.14</td> <td>19.14</td>		19.11	19.14	19.14
WCDMA II F-Mtx		19.16	19.20	19.21	21.00	WCDMA IV F-Mtx <td>19.07</td> <td>19.06</td> <td>19.06</td>		19.07	19.06	19.06
WCDMA II G-Mtx		19.70	19.65	19.64	21.00	WCDMA IV G-Mtx <td>19.68</td> <td>19.48</td> <td>19.48</td>		19.68	19.48	19.48
WCDMA II H-Mtx		19.06	19.05	19.41	21.00	WCDMA IV H-Mtx <td>19.38</td> <td>19.40</td> <td>19.32</td>		19.38	19.40	19.32
WCDMA II I-Mtx		19.06	19.10	19.05	21.00	WCDMA IV I-Mtx <td>19.02</td> <td>19.03</td> <td>19.00</td>		19.02	19.03	19.00
WCDMA II J-Mtx		19.02	19.15	19.12	21.00	WCDMA IV J-Mtx <td>18.80</td> <td>18.89</td> <td>18.81</td>		18.80	18.89	18.81
WCDMA II K-Mtx		19.66	19.71	19.70	21.00	WCDMA IV K-Mtx <td>19.63</td> <td>19.61</td> <td>19.61</td>		19.63	19.61	19.61
WCDMA II L-Mtx		17.71	17.73	17.84	21.00	WCDMA IV L-Mtx <td>17.69</td> <td>17.61</td> <td>17.60</td>		17.69	17.61	17.60
WCDMA II M-Mtx		18.86	18.79	18.70	21.00	WCDMA IV M-Mtx <td>18.89</td> <td>18.88</td> <td>18.88</td>		18.89	18.88	18.88
WCDMA II N-Mtx		17.61	17.60	17.57	21.00	WCDMA IV N-Mtx <td>17.44</td> <td>17.51</td> <td>17.48</td>		17.44	17.51	17.48
WCDMA II O-Mtx		19.64	19.60	19.52	21.00	WCDMA IV O-Mtx <td>19.63</td> <td>19.48</td> <td>19.38</td>		19.63	19.48	19.38
WCDMA II P-Mtx		19.64	19.60	19.52	21.00	WCDMA IV P-Mtx <td>19.63</td> <td>19.48</td> <td>19.38</td>		19.63	19.48	19.38
WCDMA II Q-Mtx		19.64	19.60	19.52	21.00	WCDMA IV Q-Mtx <td>19.63</td> <td>19.48</td> <td>19.38</td>		19.63	19.48	19.38
WCDMA II R-Mtx		19.64	19.60	19.52	21.00	WCDMA IV R-Mtx <td>19.63</td> <td>19.48</td> <td>19.38</td>		19.63	19.48	19.38
WCDMA II S-Mtx		19.64	19.60	19.52	21.00	WCDMA IV S-Mtx <td>19.63</td> <td>19.48</td> <td>19.38</td>		19.63	19.48	19.38
WCDMA II T-Mtx		19.64	19.60	19.52	21.00	WCDMA IV T-Mtx <td>19.63</td> <td>19.48</td> <td>19.38</td>		19.63	19.48	19.38
WCDMA II U-Mtx		19.64	19.60	19.52	21.00	WCDMA IV U-Mtx <td>19.63</td> <td>19.48</td> <td>19.38</td>		19.63	19.48	19.38
WCDMA II V-Mtx		19.64	19.60	19.52	21.00	WCDMA IV V-Mtx <td>19.63</td> <td>19.48</td> <td>19.38</td>		19.63	19.48	19.38
WCDMA II W-Mtx		19.64	19.60	19.52	21.00	WCDMA IV W-Mtx <td>19.63</td> <td>19.48</td> <td>19.38</td>		19.63	19.48	19.38
WCDMA II X-Mtx		19.64	19.60	19.52	21.00	WCDMA IV X-Mtx <td>19.63</td> <td>19.48</td> <td>19.38</td>		19.63	19.48	19.38
WCDMA II Y-Mtx		19.64	19.60	19.52	21.00	WCDMA IV Y-Mtx <td>19.63</td> <td>19.48</td> <td>19.38</td>		19.63	19.48	19.38
WCDMA II Z-Mtx		19.64	19.60	19.52	21.00	WCDMA IV Z-Mtx <td>19.63</td> <td>19.48</td> <td>19.38</td>		19.63	19.48	19.38



Band 2 Default Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Hsp / Freq	Power Ch / Freq	Turn-up time (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.11	23.10	23.07			
20	QPSK	1	49	23.03	23.02	22.99	24	0	
20	QPSK	1	99	22.99	22.97	22.97			
20	QPSK	50	0	22.98	23.13	23.05			
20	QPSK	50	24	23.04	23.08	23.09			
20	QPSK	50	50	22.92	22.94	22.96	24	0	
20	QPSK	100	0	22.99	23.05	22.94			
20	16QAM	1	0	22.95	22.98	22.98			
20	16QAM	1	49	22.85	22.92	22.90	24	0	
20	16QAM	1	99	22.70	22.85	22.80			
20	16QAM	50	0	22.80	22.92	22.87			
20	16QAM	50	24	22.84	22.90	22.84	23.5	0.5	
20	16QAM	50	50	22.76	22.82	22.76			
20	16QAM	100	0	22.72	22.80	22.72			
20	16QAM	1	49	22.68	22.76	22.67	23.5	0.5	
20	16QAM	1	99	22.50	22.55	22.48			
20	16QAM	50	0	21.64	21.71	21.59			
20	16QAM	50	24	21.46	21.56	21.50	22.5	1.5	
20	16QAM	50	50	21.42	21.48	21.35			
20	16QAM	100	0	21.43	21.52	21.38			
20	256QAM	1	49	19.80	19.86	19.85			
20	256QAM	1	99	19.58	19.62	19.57			
20	256QAM	50	0	19.58	19.74	19.68	20.5	3.5	
20	256QAM	50	24	19.60	19.73	19.63			
20	256QAM	50	50	19.70	19.81	19.78			
20	256QAM	100	0	19.67	19.76	19.74			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.03	23.10	22.99			
15	QPSK	1	24	22.79	22.82	22.81	24	0	
15	QPSK	1	74	22.91	22.96	22.83			
15	QPSK	36	0	22.87	22.90	22.82			
15	QPSK	36	24	22.81	22.88	22.87	24	0	
15	QPSK	36	39	22.87	22.96	22.82			
15	QPSK	75	0	22.91	23.00	22.89			
15	16QAM	1	0	22.90	22.90	22.79			
15	16QAM	1	37	22.77	22.88	22.83	24	0	
15	16QAM	1	74	22.80	22.85	22.76			
15	16QAM	36	0	22.80	22.95	22.45			
15	16QAM	36	20	22.21	22.37	22.28	23.5	0.5	
15	16QAM	75	0	22.91	22.98	22.82			
15	16QAM	75	0	22.91	22.98	22.82	23.5	0.5	
15	16QAM	1	74	22.42	22.42	22.34			
15	16QAM	36	0	21.56	21.67	21.48			
15	16QAM	36	24	21.56	21.65	21.48	22.5	1.5	
15	16QAM	36	39	21.28	21.32	21.23			
15	16QAM	75	0	21.38	21.37	21.28			
15	256QAM	1	37	19.08	19.52	19.17	20.5	3.5	
15	256QAM	1	74	19.42	19.51	19.42			
15	256QAM	36	20	19.45	19.62	19.48	20.5	3.5	
15	256QAM	36	20	19.48	19.62	19.50			
15	256QAM	36	39	19.66	19.75	19.67	20.5	3.5	
15	256QAM	100	0	19.63	19.71	19.64			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.87	22.88	22.81	24	0	
10	QPSK	1	49	22.82	22.84	22.82			
10	QPSK	1	99	22.79	22.80	22.79			
10	QPSK	25	13	22.81	23.00	22.84	24	0	
10	QPSK	25	25	22.80	22.89	22.89			
10	QPSK	1	0	22.88	22.90	22.88			
10	16QAM	1	25	22.79	22.91	22.85	24	0	
10	16QAM	1	49	22.67	22.79	22.76			
10	16QAM	25	0	22.48	22.51	22.42			
10	16QAM	25	12	22.20	22.34	22.20	23.5	0.5	
10	16QAM	25	12	22.20	22.36	22.20			
10	16QAM	50	0	22.28	22.41	22.30			
10	16QAM	1	0	22.80	22.78	22.80	23.5	0.5	
10	16QAM	1	49	22.85	22.88	22.80			
10	16QAM	1	49	22.43	22.45	22.32			
10	16QAM	25	0	21.58	21.65	21.45			
10	16QAM	25	13	21.53	21.65	21.44	22.5	1.5	
10	16QAM	25	25	21.39	21.38	21.28			
10	16QAM	50	0	21.31	21.39	21.27			
10	16QAM	50	18	19.78	19.81	19.77	20.5	3.5	
10	256QAM	1	25	19.07	19.52	19.86			
10	256QAM	1	49	19.52	19.55	19.53			
10	256QAM	25	12	19.46	19.61	19.51	20.5	3.5	
10	256QAM	25	25	19.63	19.71	19.66			
10	256QAM	50	0	19.52	19.68	19.61			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.87	22.88	22.81	24	0	
5	QPSK	1	12	22.80	22.90	22.74			
5	QPSK	1	24	22.80	22.95	22.84			
5	QPSK	3	0	22.83	23.03	22.81	24	0	
5	QPSK	3	12	22.89	23.03	22.87			
5	QPSK	12	13	22.80	22.98	22.82	24	0	
5	QPSK	12	13	22.80	22.98	22.82			
5	QPSK	12	13	22.80	22.98	22.82			
5	16QAM	1	0	22.91	22.98	22.83	24	0	
5	16QAM	1	12	22.79	22.94	22.87			
5	16QAM	1	12	22.79	22.94	22.87			
5	16QAM	12	0	22.40	22.49	22.41			
5	16QAM	12	7	22.22	22.47	22.27	23.5	0.5	
5	16QAM	12	18	22.31	22.57	22.14			
5	16QAM	25	0	22.26	22.38	22.24			
5	16QAM	1	0	22.26	22.36	22.24	23.5	0.5	
5	16QAM	12	0	21.54	21.66	21.43			
5	16QAM	12	13	21.54	21.67	21.43	22.5	1.5	
5	16QAM	12	13	21.29	21.32	21.21			
5	16QAM	25	0	21.30	21.44	21.29			
5	16QAM	1	0	19.74	19.80	19.67	20.5	3.5	
5	256QAM	1	12	19.75	19.78	19.67			
5	256QAM	1	24	19.49	19.55	19.49			
5	256QAM	12	13	19.68	19.78	19.71	20.5	3.5	
5	256QAM	12	7	19.51	19.69	19.52			
5	256QAM	12	13	19.67	19.81	19.66	20.5	3.5	
5	256QAM	25	0	19.62	19.75	19.58			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.01	23.02	22.96	24	0	
3	QPSK	1	8	22.89	22.91	22.86			
3	QPSK	1	14	22.89	22.95	22.83			
3	QPSK	8	4	22.81	22.92	22.86	24	0	
3	QPSK	8	4	22.83	23.04	22.82			
3	QPSK	8	7	22.86	22.90	22.83			
3	QPSK	15	8	22.87	22.94	22.80	24	0	
3	16QAM	1	0	22.85	22.98	22.83			
3	16QAM	1	8	22.71	22.87	22.78	24	0	
3	16QAM	1	8	22.69	22.76	22.65			
3	16QAM	8	0	22.41	22.57	22.40			
3	16QAM	8	4	22.23	22.41	22.24	23.5	0.5	
3	16QAM	15	0	22.31	22.37	22.14			
3	16QAM	15	0	22.31	22.42	22.41			
3	16QAM	1	0	22.59	22.72	22.60	23.5	0.5	
3	16QAM	1	0	22.55	22.62	22.54			
3	16QAM	1	14	22.42	22.43	22.38			
3	16QAM	8	0	21.58	21.67	21.50			
3	16QAM	8	4	21.35	21.45	21.30	22.5	1.5	
3	16QAM	8	7	21.34	21.44	21.30			
3	256QAM	1	0	19.77	19.78	19.69			
3	256QAM	8	0	19.78	19.79	19.65	20.5	3.5	
3	256QAM	8	0	19.62	19.78	19.75			
3	256QAM	8	4	19.50	19.68	19.59	20.5	3.5	
3	256QAM	8	4	19.60	19.68	19.57			
3	256QAM	15	0	19.63	19.70	19.59			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.04	23.11	23.01			
1.4	QPSK	1	3	22.83	22.95	22.74	24	0	
1.4	QPSK	1	5	22.86	22.98	22.85			
1.4	QPSK	3	0	22.85	23.04	22.81			
1.4	QPSK	3	1	22.85	23.04	22.84			
1.4	QPSK	3	3	22.76	22.94	22.86	24	0	
1.4	QPSK	3	8	22.84	23.05	22.80			
1.4	16QAM	1	0	22.86	22.90	22.87			
1.4	16QAM	1	5	22.85	22.93	22.86	24	0	
1.4	16QAM	1	0	22.83	22.98	22.79			
1.4	16QAM	3	0	22.78	22.98	22.80			
1.4	16QAM	3	0	22.61	22.77	22.73			
1.4	16QAM	5	0	22.51	22.52	22.43	23.5	0.5	
1.4	16QAM	5	0	22.51	22.62	22.61			
1.4	16QAM	5	3	22.22	22.43	22.29			
1.4	16QAM	5	3	22.22	22.43	22.29			
1.4	16QAM	5	0	22.60	22.67	22.52	23.5	0.5	
1.4	16QAM	5	0	22.60	22.72	22.60			
1.4	16QAM	5	0	22.58	22.71	22.61			
1.4	16QAM	5	0	21.53	21.61	21.43	22.5	1.5	
1.4	16QAM	5	0	21.53	21.63	21.46			
1.4	16QAM	5	0	21.47	21.58	21.46			
1.4	16QAM	5	0	21.47	21.58	21.46			
1.4	256QAM	1	3	19.62	19.75	19.72	20.5	3.5	



Band 14 Default Ant0									
RF BWP ID	Modulation	Channel	RE Config	Power Class [dBm]	Power Class Ch. Freq.	Power Class Ch. Freq.	Power Class Ch. Freq.	Turn-on latency (dB)	MFR (dB)
Frequency (MHz)					795				
10	QPSK	1	0		23.08				
10	QPSK	1	25		23.09			24	0
10	QPSK	1	50		22.88				
10	QPSK	25	0		22.95				
10	QPSK	25	25		22.74			24	0
10	QPSK	25	50		22.03				
10	QPSK	50	0		22.66				
10	QPSK	50	25		22.78			24	0
10	16QAM	1	49		22.77				
10	16QAM	25	0		22.49				
10	16QAM	25	25		22.20			23.5	0.5
10	16QAM	25	50		22.46				
10	16QAM	50	0		22.54				
10	16QAM	50	25		22.38			23.5	0.5
10	16QAM	1	49		22.49				
10	16QAM	25	0		22.40				
10	16QAM	25	12		21.70			22.5	1.5
10	16QAM	25	25		21.63				
10	16QAM	25	50		21.69				
10	256QAM	1	0		19.77				
10	256QAM	1	25		19.58			20.5	3.5
10	256QAM	1	50		19.49				
10	256QAM	25	0		19.61				
10	256QAM	25	12		19.51			20.5	3.5
10	256QAM	25	25		19.54				
10	256QAM	50	0		19.56				
Frequency (MHz)					795.5			Turn-on latency (dB)	MFR (dB)
5	QPSK	1	0		22.02	22.09	22.07		
5	QPSK	1	12		22.02	22.00	22.86	24	0
5	QPSK	1	24		21.79	21.79	22.86		
5	QPSK	12	0		22.00	22.00	22.83		
5	QPSK	12	7		22.77	22.68	22.77	24	0
5	QPSK	12	14		22.67	22.67	22.84		
5	QPSK	12	21		22.82	22.84	22.85		
5	16QAM	1	0		22.78	22.83	22.78		
5	16QAM	1	12		22.68	22.68	22.84	24	0
5	16QAM	1	24		22.62	22.73	22.84		
5	16QAM	12	0		22.60	22.72	22.87		
5	16QAM	12	7		22.54	22.63	22.69	23.5	0.5
5	16QAM	12	13		22.62	22.40	22.42		
5	16QAM	25	0		22.56	22.63	22.56		
5	16QAM	25	7		22.52	22.52	22.92	23.5	0.5
5	16QAM	1	12		22.28	22.30	22.27		
5	16QAM	1	24		22.44	22.43	22.41		
5	16QAM	12	0		21.74	21.74	21.76	22.5	1.5
5	16QAM	12	13		21.63	21.64	21.68		
5	16QAM	12	19		21.59	21.59	21.52		
5	256QAM	1	0		19.63	19.63	19.64		
5	256QAM	1	12		19.63	19.72	19.65		
5	256QAM	1	24		19.44	19.46	19.44	20.5	3.5
5	256QAM	12	0		19.46	19.47	19.47		
5	256QAM	12	7		19.38	19.37	19.38	20.5	3.5
5	256QAM	12	13		19.35	19.36	19.34		
5	256QAM	12	19		19.33	19.33	19.35		

Band 17 Default Ant0											
RF MHz	Modulation	Channel	RF Offset	Power [dBm]	Ch. Freq.	Power [dBm]	Ch. Freq.	Power [dBm]	Ch. Freq.	Time-slot (slot)	AMPS slot
Frequency (MHz)				100	710				710		
10	QPSK	1	0	22.65	22.73	22.70					
10	QPSK	1	48	22.65	22.73	22.70				24	0
10	QPSK	1	49	22.46	22.51	22.48					
10	QPSK	25	0	22.46	22.56	22.54					
10	QPSK	25	48	22.46	22.53	22.52				24	0
10	QPSK	25	49	22.41	22.48	22.47					
10	QPSK	50	0	22.49	22.52	22.54					
10	QPSK	50	48	22.49	22.50	22.49					
10	QPSK	50	49	22.38	22.48	22.47				24	0
10	QPSK	75	0	22.49	22.56	22.54					
10	QPSK	75	48	22.49	22.48	22.47					
10	QPSK	1	48	22.30	22.40	22.40					
10	QPSK	25	0	22.38	22.58	22.49					
10	QPSK	25	48	22.38	22.50	22.49					
10	QPSK	50	26	22.30	22.41	22.40				23.5	0.5
10	QPSK	50	0	22.24	22.38	22.33					
10	QPSK	75	0	22.41	22.50	22.49					
10	QPSK	1	26	22.37	22.42	22.40				23.5	0.5
10	QPSK	1	49	22.32	22.40	22.39					
10	QPSK	25	12	21.28	21.36	21.36				22.5	1.5
10	QPSK	25	25	21.32	21.36	21.32					
10	QPSK	50	12	21.38	21.29	21.29					
10	2QPSK	1	0	19.92	19.71	19.63					
10	2QPSK	1	26	19.42	19.33	19.38				20.5	3.5
10	2QPSK	1	49	19.97	19.87	19.91					
10	2QPSK	25	0	19.44	19.55	19.43					
10	2QPSK	25	12	19.34	19.44	19.33				20.5	3.5
10	2QPSK	25	25	19.34	19.39	19.37					
10	2QPSK	50	0	19.28	19.32	19.27					
Frequency (MHz)				2350	2370				2370	Time-slot (slot)	AMPS slot
Channel				100	710				710		
5	QPSK	1	0	22.53	22.60	22.65					
5	QPSK	1	12	22.53	22.65	22.48				24	0
5	QPSK	1	25	22.53	22.61	22.57					
5	QPSK	12	0	22.36	22.57	22.54					
5	QPSK	12	7	22.44	22.40	22.38				24	0
5	QPSK	25	0	22.41	22.43	22.41					
5	QPSK	25	12	22.46	22.49	22.32					
5	QPSK	1	24	22.38	22.52	22.31				24	0
5	QPSK	1	26	22.38	22.39	22.38					
5	QPSK	12	0	22.27	22.45	22.27					
5	QPSK	12	7	22.30	22.32	22.30					
5	QPSK	12	19	22.19	22.24	22.21				23.5	0.5
5	QPSK	25	0	22.11	22.24	22.19					
5	QPSK	25	12	22.16	22.18	22.16					
5	QPSK	1	12	22.09	22.24	22.05				23.5	0.5
5	QPSK	1	24	22.17	22.33	22.14					
5	QPSK	1	26	22.17	22.18	22.17					
5	QPSK	12	12	21.24	21.27	21.21				22.5	1.5
5	QPSK	12	19	21.19	21.23	21.20					
5	2QPSK	1	0	19.50	19.45	19.46					
5	2QPSK	1	12	19.31	19.43	19.40				20.5	3.5
5	2QPSK	1	26	19.50	19.41	19.46					
5	2QPSK	12	0	19.31	19.51	19.33					
5	2QPSK	12	7	19.27	19.34	19.22				20.5	3.5
5	2QPSK	12	19	19.20	19.35	19.27					



Band 25 Default Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dB)	MPE (dB)		
Channel										
1800 1800 1800 100%										
20	QPSK	1	0	23.16	23.21	23.18			24	0
20	QPSK	1	49	23.03	23.03	23.03				
20	QPSK	1	99	22.97	23.01	23.03				
20	QPSK	50	0	23.00	23.15	23.05				
20	QPSK	50	24	22.95	23.03	22.95			24	0
20	QPSK	50	50	22.88	22.99	22.88				
20	QPSK	100	0	22.91	23.01	22.92				
20	16QAM	1	0	22.96	23.09	22.91				
20	16QAM	1	49	22.94	22.99	22.95			24	0
20	16QAM	1	99	22.81	22.87	22.80				
20	16QAM	50	24	22.79	22.93	22.85				
20	16QAM	50	50	22.75	22.80	22.75				
20	16QAM	50	50	22.61	22.72	22.60			23.5	0.5
20	16QAM	100	0	22.62	22.68	22.61				
20	64QAM	1	0	22.66	23.05	22.91				
20	64QAM	1	49	22.79	22.96	22.87				
20	64QAM	50	0	21.82	21.95	21.79			22.5	1.5
20	64QAM	50	24	21.78	21.79	21.74				
20	64QAM	50	50	21.73	21.82	21.75				
20	64QAM	100	0	21.69	21.66	21.64				
20	256QAM	1	49	19.79	19.90	19.83			20.5	3.5
20	256QAM	1	99	19.77	19.85	19.78				
20	256QAM	50	24	19.67	19.78	19.67				
20	256QAM	50	50	19.70	19.74	19.71				
20	256QAM	100	0	19.62	19.74	19.65			20.5	3.5
Channel										
26090 26140 26090										
182.5 1830 1912.5										
15	QPSK	1	0	23.05	23.13	23.04			24	0
15	QPSK	1	37	23.05	23.13	23.04				
15	QPSK	1	74	22.99	22.90	22.94				
15	QPSK	1	74	22.84	22.90	22.87				
15	QPSK	36	0	22.84	23.01	22.95			24	0
15	QPSK	36	20	22.82	22.98	22.89				
15	QPSK	36	36	22.84	22.95	22.75				
15	QPSK	75	0	22.77	22.98	22.79				
15	16QAM	1	0	22.82	22.98	22.84			24	0
15	16QAM	1	37	22.81	22.87	22.85				
15	16QAM	1	49	22.88	22.78	22.83				
15	16QAM	36	0	22.70	22.81	22.75				
15	16QAM	36	20	22.68	22.66	22.62			23.5	0.5
15	16QAM	36	39	22.46	22.63	22.55				
15	16QAM	75	0	22.49	22.63	22.55				
15	64QAM	1	0	22.74	22.60	22.77				
15	64QAM	1	37	22.70	22.65	22.68			22.5	1.5
15	64QAM	36	0	21.74	21.85	21.85				
15	64QAM	36	20	21.62	21.68	21.65				
15	64QAM	36	39	21.68	21.70	21.59				
15	64QAM	75	0	21.56	21.64	21.60			20.5	3.5
15	256QAM	1	49	19.76	19.86	19.80				
15	256QAM	1	99	19.75	19.79	19.79				
15	256QAM	1	74	19.67	19.70	19.73				
15	256QAM	50	24	19.78	19.80	19.78			20.5	3.5
15	256QAM	50	24	19.69	19.87	19.80				
15	256QAM	36	39	19.67	19.70	19.61				
15	256QAM	75	0	19.65	19.67	19.65				
15	256QAM	100	0	19.65	19.67	19.63			20.5	3.5
Channel										
26085 26140 26085										
182.5 1830 1912.5										
10	QPSK	1	0	23.13	23.07	23.10			24	0
10	QPSK	1	12	22.95	22.92	23.03				
10	QPSK	1	24	22.86	22.90	22.95				
10	QPSK	12	0	22.86	23.04	22.95				
10	QPSK	12	7	22.89	23.00	22.94			24	0
10	QPSK	12	13	22.77	22.88	22.79				
10	QPSK	25	0	22.77	22.91	22.84				
10	16QAM	1	0	22.88	23.04	22.88				
10	16QAM	1	12	22.88	22.90	22.87			24	0
10	16QAM	1	24	22.87	22.77	22.73				
10	16QAM	12	0	22.70	22.84	22.73				
10	16QAM	12	7	22.71	22.70	22.63				
10	16QAM	12	13	22.65	22.60	22.60			23.5	0.5
10	16QAM	25	0	22.65	22.62	22.61				
10	64QAM	1	0	22.78	22.98	22.88				
10	64QAM	1	12	22.71	22.62	22.61				
10	64QAM	1	24	22.65	22.69	22.78			22.5	1.5
10	64QAM	12	0	21.78	21.84	21.70				
10	64QAM	12	7	21.70	21.68	21.70				
10	64QAM	12	13	21.68	21.79	21.68				
10	64QAM	25	0	21.60	21.54	21.60			20.5	3.5
10	256QAM	1	0	19.75	19.86	19.86				
10	256QAM	1	12	19.71	19.82	19.75				
10	256QAM	1	24	19.68	19.76	19.74				
10	256QAM	12	0	19.78	19.85	19.84			20.5	3.5
10	256QAM	12	7	19.68	19.78	19.59				
10	256QAM	12	13	19.61	19.64	19.64				
10	256QAM	25	0	19.57	19.64	19.54				
Channel										
26047 26140 26047										
182.5 1830 1914.3										
3	QPSK	1	0	23.02	23.15	23.13			24	0
3	QPSK	1	8	22.86	22.95	22.98				
3	QPSK	1	14	22.94	22.93	22.99				
3	QPSK	8	0	22.94	23.05	22.95				
3	QPSK	8	4	22.80	22.97	22.81			24	0
3	QPSK	8	7	22.75	22.84	22.78				
3	QPSK	16	0	22.83	22.98	22.89				
3	16QAM	1	0	22.84	23.02	22.86			24	0
3	16QAM	1	8	22.89	22.88	22.97				
3	16QAM	1	14	22.77	22.75	22.86				
3	16QAM	8	0	22.77	22.88	22.77				
3	16QAM	8	4	22.65	22.65	22.67			23.5	0.5
3	16QAM	8	7	22.57	22.68	22.60				
3	16QAM	16	0	22.63	22.80	22.63				
3	64QAM	1	0	22.75	22.92	22.80			22.5	1.5
3	64QAM	1	8	22.66	22.91	22.78				
3	64QAM	1	14	22.78	22.72	22.81				
3	64QAM	8	0	21.76	21.87	21.64				
3	64QAM	8	4	21.67	21.68	21.62			20.5	3.5
3	256QAM	1	0	19.76	19.86	19.83				
3	256QAM	1	8	19.75	19.80	19.77				
3	256QAM	1	14	19.63	19.53	19.61				
3	256QAM	8	0	19.68	19.83	19.80			20.5	3.5
3	256QAM	8	7	19.62	19.71	19.60				
3	256QAM	16	0	19.61	19.63	19.61				
Channel										
182.5 1830 1914.3										
1.4	QPSK	1	0	23.12	23.12	23.10			24	0
1.4	QPSK	1	8	22.98	22.97	23.05				
1.4	QPSK	1	14	22.94	22.93	22.99				
1.4	QPSK	1	8	22.85	23.09	22.97				
1.4	QPSK	3	0	22.81	22.97	22.88			24	0
1.4	QPSK	3	8	22.75	22.84	22.78				
1.4	QPSK	3	14	22.83	22.98	22.88				
1.4	16QAM	1	0	22.84	23.02	22.86			24	0
1.4	16QAM	1	8	22.89	22.88	22.97				
1.4	16QAM	1	14	22.77	22.75	22.86				
1.4	16QAM	8	0	22.77	22.88	22.77				
1.4	16QAM	8	4	22.65	22.65	22.67			23.5	0.5
1.4	16QAM	8	7	22.57	22.68	22.60				
1.4	16QAM	16	0	22.63	22.80	22.63				
1.4	64QAM	1	0	22.75	22.92	22.80			22.5	1.5
1.4	64QAM	1	8	22.66	22.91	22.78				
1.4	64QAM	1	14	22.78	22.72	22.81				
1.4	64QAM	8	0	21.76	21.87	21.64				
1.4	64QAM	8	4	21.67	21.68	21.62			20.5	3.5
1.4	256QAM	1	0	19.76	19.86	19.83				
1.4	256QAM	1	8	19.75	19.80	19.77				
1.4	256QAM	1	14	19.63	19.53	19.61				
1.4	256QAM	8	0	19.68	19.83	19.80			20.5	3.5
1.4	256QAM	8	7	19.62	19.71	19.60				
1.4	256QAM	16	0	19.61	19.63	19.61				
Channel										
182.5 1830 1914.3										
1.4	QPSK	1	0	23.12	23.12	23.10			24	0
1.4	QPSK	1	8	22.98	22.97	23.05				
1.4	QPSK	1	14	22.94	22.93	22.99				
1.4	QPSK	1	8	22.85	23.09	22.97				
1.4	QPSK	3	0	22.81	22.94	22.88			24	0
1.4	QPSK	3	8	22.75	22.84	22.78				
1.4	QPSK	3	14	22.83	22.98	22.88				
1.4	16QAM	1	0	22.82	23.04	22.93			24	0
1.4	16QAM	1	8	22.86	22.89	22.97				
1.4	16QAM	1	14	22.78	22.89	22.78				
1.4	16QAM	8	0	22.85	22.85	22.84				
1.4	16QAM	8	4	22.72	22.72	22.68			23.5	0.5
1.4	16QAM	8	7	22.57	22.62	22.57				
1.4	16QAM	16	0	22.70	22.78	22.67				
1.4	64QAM	1	0	22.72	22.96	22.83			22.5	1.5
1.4	64QAM	1	8	22.67	22.89	22.84				
1.4	64QAM	1	14	22.72	22.72	22.81				
1.4	64QAM	8	0	21.72	21.86	21.63				
1.4	64QAM	8	4	21.69	21.79	21.67			20.5	3.5
1.4	256QAM	1	0	19.71	19.78	19.83				
1.4	256QAM	1	8	19.70	19.78	19.67				
1.4	256QAM	1	14	19.63	19.59	19.69				
1.4	256QAM	8	0	19.54	19.67	19.60			20.5	3.5

Band 66 Default Ant0														
BM [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 150072	Power Mid Ch./Freq. 150122	Power High Ch./Freq. 150152	Turn-up time (s)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.17	23.32	23.14	24	0						
20	QPSK	1	49	22.99	23.11	22.99								
20	QPSK	1	99	23.02	23.02	22.99								
20	QPSK	50	0	22.96	23.18	23.07								
20	QPSK	50	24	22.92	23.08	22.99	24	0						
20	QPSK	50	50	22.85	22.98	22.92								
20	QPSK	100	0	22.88	23.01	22.91								
20	16QAM	1	0	22.80	23.10	22.96								
20	16QAM	1	49	22.87	23.01	22.91	24	0						
20	16QAM	1	99	22.83	22.89	22.86								
20	16QAM	50	0	22.81	22.81	22.86								
20	16QAM	50	24	22.80	22.85	22.83								
20	16QAM	50	50	22.86	22.97	22.91	23.5	0.5						
20	16QAM	100	0	22.48	22.98	22.94								
20	16QAM	1	0	22.55	22.79	22.84								
20	16QAM	1	49	22.49	22.87	22.84								
20	16QAM	1	99	22.51	22.98	22.90	23.5	0.5						
20	16QAM	50	24	21.53	21.77	21.71								
20	16QAM	50	50	21.53	21.73	21.61								
20	16QAM	100	0	21.57	21.82	21.58								
20	16QAM	36	0	18.76	18.97	18.93	20.5	3.5						
20	16QAM	36	49	18.89	18.92	18.84								
20	256QAM	1	99	18.81	18.84	18.83								
20	256QAM	36	0	18.84	18.98	18.92								
20	256QAM	50	24	18.78	18.86	18.74	20.5	3.5						
20	256QAM	50	50	18.69	18.77	18.73								
20	256QAM	100	0	18.71	18.79	18.73								
20	256QAM	100	0	18.71	18.79	18.73								
Channel														
Frequency (MHz)														
15	QPSK	1	0	23.08	23.18	23.00	24	0						
15	QPSK	1	37	22.95	23.05	22.94								
15	QPSK	1	74	22.89	22.87	22.84								
15	QPSK	36	0	22.87	23.10	23.02								
15	QPSK	36	20	22.82	23.00	22.78	24	0						
15	QPSK	36	36	22.78	22.87	22.78								
15	QPSK	75	0	22.82	22.91	22.78								
15	16QAM	1	0	22.68	23.07	22.80								
15	16QAM	1	37	22.75	22.91	22.85	24	0						
15	16QAM	1	74	22.76	22.89	22.84								
15	16QAM	36	0	22.49	22.71	22.60								
15	16QAM	36	20	22.57	22.60	22.60								
15	16QAM	36	36	22.44	22.45	22.44	23.5	0.5						
15	16QAM	75	0	22.41	22.45	22.44								
15	16QAM	1	0	22.47	22.62	22.57								
15	16QAM	1	37	22.57	22.58	22.57								
15	16QAM	1	74	22.45	22.52	22.58	22.5	1.5						
15	16QAM	36	0	21.59	21.88	21.61								
15	16QAM	36	20	21.51	21.68	21.67								
15	16QAM	36	36	21.50	21.60	21.52								
15	16QAM	75	0	21.48	21.50	21.51	20.5	3.5						
15	256QAM	1	0	18.78	18.96	18.92								
15	256QAM	1	37	18.82	18.89	18.79								
15	256QAM	1	74	18.75	18.79	18.77								
15	256QAM	36	0	18.80	18.86	18.88	20.5	3.5						
15	256QAM	36	20	18.73	18.73	18.60								
15	256QAM	36	36	18.58	18.69	18.63								
15	256QAM	75	0	18.63	18.63	18.58								
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.06	23.19	23.00	24	0						
10	QPSK	1	25	22.94	23.02	22.89								
10	QPSK	1	49	22.88	22.96	22.82								
10	QPSK	25	0	22.84	22.94	22.89								
10	QPSK	25	12	22.80	23.01	22.95	24	0						
10	QPSK	25	25	22.81	22.87	22.86								
10	QPSK	36	0	22.74	22.93	22.89								
10	16QAM	1	0	22.68	23.07	22.85								
10	16QAM	1	25	22.81	22.83	22.80	24	0						
10	16QAM	1	49	22.76	22.79	22.73								
10	16QAM	25	0	22.57	22.76	22.55								
10	16QAM	25	12	22.51	22.59	22.59								
10	16QAM	25	25	22.52	22.50	22.44	23.5	0.5						
10	16QAM	50	0	22.35	22.53	22.41								
10	16QAM	1	0	22.45	22.68	22.67								
10	16QAM	1	25	22.41	22.52	22.42								
10	16QAM	1	49	22.43	22.52	22.43	22.5	1.5						
10	16QAM	25	0	21.56	21.75	21.61								
10	16QAM	25	12	21.50	21.68	21.60								
10	16QAM	25	25	21.54	21.57	21.57								
10	16QAM	50	0	21.42	21.52	21.44	20.5	3.5						
10	256QAM	1	0	18.78	18.86	18.81								
10	256QAM	1	25	18.79	18.82	18.86								
10	256QAM	1	49	18.75	18.76	18.77								
10	256QAM	25	0	18.71	18.87	18.74	20.5	3.5						
10	256QAM	25	12	18.75	18.81	18.63								
10	256QAM	25	25	18.60	18.66	18.62								
10	256QAM	50	0	18.63	18.67	18.63								
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.03	23.16	23.00	24	0						
5	QPSK	1	12	22.89	23.01	22.84								
5	QPSK	1	24	22.91	22.99	22.81								
5	QPSK	12	0	22.85	23.11	22.95								
5	QPSK	12	7	22.79	22.98	22.95	24	0						
5	QPSK	12	13	22.76	22.89	22.83								
5	QPSK	25	0	22.84	22.98	22.87								
5	16QAM	1	0	22.72	22.98	22.82								
5	16QAM	1	12	22.80	22.90	22.76	24	0						
5	16QAM	1	24	22.75	22.86	22.80								
5	16QAM	12	0	22.47	22.74	22.63								
5	16QAM	12	7	22.57	22.61	22.59								
5	16QAM	12	13	22.43	22.52	22.51	23.5	0.5						
5	16QAM	25	0	22.37	22.63	22.48								
5	16QAM	1	0	22.48	22.72	22.67								
5	16QAM	1	12	22.45	22.44	22.48								
5	16QAM	1	24	22.39	22.51	22.44	22.5	1.5						
5	16QAM	12	0	21.63	21.80	21.61								
5	16QAM	12	7	21.51	21.67	21.70								
5	16QAM	12	13	21.58	21.67	21.58								
5	16QAM	25	0	21.51	21.63	21.60	20.5	3.5						
5	256QAM	1	0	18.78	19.01	18.86								
5	256QAM	1	12	18.77	18.84	18.80								
5	256QAM	1	24	18.71	18.76	18.76								
5	256QAM	12	0	18.72	18.83	18.71	20.5	3.5						
5	256QAM	12	7	18.71	18.72	18.68								
5	256QAM	12	13	18.65	18.66	18.61								
5	256QAM	25	0	18.62	18.61	18.61								
Channel														
Frequency (MHz)														
3	QPSK	1	0	23.15	23.14	23.17	24	0						
3	QPSK	1	0	23.03	23.14	23.08								
3	QPSK	1	0	23.02	23.04	23.06								
3	QPSK	1	0	22.98	22.99	23.01								
3	QPSK	8	0	22.87	23.05	23.03	24	0						
3	QPSK	8	0	22.86	23.04	22.99								
3	QPSK	8	0	22.78	22.91	22.93								
3	QPSK	16	0	22.79	22.90	22.88								
3	QPSK	16	0	22.78	22.88	22.87	24	0						
3	16QAM	1	0	22.62	23.08	22.87								
3	16QAM	1	14	22.76	22.85	22.82								
3	16QAM	1	14	22.67	22.81	22.78								
3	16QAM	8	0	22.54	23.02	22.69	23.5	0.5						
3	16QAM	8	0	22.42	22.97	22.52								
3	16QAM	8	0	22.48	22.92	22.43								
3	16QAM	8	0	22.47	22.89	22.50								
3	16QAM	8	0	22.41	23.02	22.64	23.5	0.5						
3	16QAM	8	0	21.45	21.80	21.49								
3	16QAM	16	0	21.55	21.65	21.59								
3	16QAM	1	0	18.75	18.99	18.84								
3	16QAM	1	0	18.75	18.98	18.87	20.5	3.5						
3	16QAM	1	14	18.74	18.81	18.70								
3	16QAM	1	14	18.68	18.80	18.78								
3	16QAM	8	0	18.75	18.75	18.68								
3	16QAM	8	0	18.70	18.75	18.68	20.5	3.5						
3	16QAM	8	0	18.60	18.72	18.60								
3	16QAM	8	0	18.60	18.60	18.60								
3	256QAM	1	0	18.64	18.86	18.60								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	23.11	23.10	23.10	24	0						
1.4	QPSK	1	0	23.02	23.04	23.06								
1.4	QPSK	1	0	22.92	23.00	22.98								
1.4	QPSK	8	0	22.82	23.04	22.99								
1.4	QPSK	8	0	22.71	22.98	22.96	24	0						
1.4	QPSK	8	0	22.71	22.90	22.91								
1.4	16QAM	1	0	22.73	22.95	22.81								
1.4	16QAM	1	0	22.71	22.99	22.91								
1.4	16QAM	1	0	22.78	23.01	22.83	24	0						
1.4	16QAM	1	0	22.73	22.80	22.73								
1.4	16QAM	8	0	22.47	22.76	22.54								
1.4	16QAM	8	0	22.50	22.60	22.51								
1.4	16QAM	8	0	22.43	22.64	22.45	23.5	0.5						
1.4	16QAM	8	0	22.42	22.64	22.43								
1.4	16QAM	8	0	22.44	22.64	22.44								
1.4	16QAM	8	0	21.66	21.76	21.67								
1.4	16QAM	8	0	18.78	18.86	18.78	20.5	3.5						
1.4	16QAM	8	0	18.76	18.80	18.78								
1.4	16QAM	8	0	18.74	18.79	18.59								
1.4	16QAM	8	0	18.64	18.68	18.60								
1.4	256QAM	1	0	18.64	18.86	18.60								
1.4	256QAM	1	0	18.64	18.86	18.60								

Band 38 Ant0													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)					
Channel				37860	38000	38160							
Frequency (MHz)				20.87	20.90	20.92							
20	QPSK	1	0	20.87	20.90	20.92	22	0					
20	QPSK	1	48	20.48	20.43	20.48							
20	QPSK	1	88	20.47	20.43	20.48							
20	QPSK	50	0	20.47	20.50	20.53							
20	QPSK	50	24	20.38	20.50	20.42	22	0					
20	QPSK	50	50	20.37	20.50	20.53							
20	QPSK	100	0	20.37	20.52	20.53							
20	16QAM	1	0	20.48	20.57	20.59							
20	16QAM	1	48	20.38	20.45	20.51	22	0					
20	16QAM	1	88	20.29	20.33	20.40							
20	16QAM	50	0	20.08	20.23	20.04							
20	16QAM	50	24	20.10	20.08	20.05							
20	16QAM	50	50	19.87	20.03	19.86	21.5	0.5					
20	16QAM	100	0	19.82	20.01	19.90							
20	64QAM	1	0	20.03	20.24	20.05							
20	64QAM	1	48	19.94	20.04	20.10							
20	64QAM	1	88	20.10	20.01	20.00	20.5	1.5					
20	64QAM	50	0	19.88	20.04	19.95							
20	64QAM	50	24	19.83	19.80	19.89							
20	64QAM	50	50	19.82	19.86	19.83							
20	64QAM	100	0	19.85	19.88	19.79	19.5	3.5					
20	256QAM	1	0	17.81	18.08	17.94							
20	256QAM	1	48	17.82	18.08	17.82							
20	256QAM	1	88	17.86	17.85	17.87							
20	256QAM	50	0	17.84	18.08	17.87	18.5	3.5					
20	256QAM	50	24	17.80	17.85	17.80							
20	256QAM	50	50	17.77	17.87	17.81							
20	256QAM	100	0	17.81	18.03	17.88							
Channel				37860	38000	38160							
Frequency (MHz)				20.92	20.95	20.92							
16	QPSK	1	0	20.90	20.90	20.42	22	0					
16	QPSK	1	37	20.29	20.38	20.42							
16	QPSK	1	74	20.40	20.38	20.23							
16	QPSK	36	0	20.30	20.38	20.27							
16	QPSK	36	20	20.24	20.39	20.31	22	0					
16	QPSK	36	50	20.31	20.39	20.31							
16	QPSK	75	0	20.31	20.39	20.25							
16	16QAM	1	0	20.31	20.44	20.29							
16	16QAM	1	37	20.37	20.37	20.30	22	0					
16	16QAM	1	74	20.25	20.23	20.33							
16	16QAM	36	0	19.85	19.82	19.85							
16	16QAM	36	39	19.79	19.83	19.83							
16	16QAM	75	0	19.83	19.89	19.86	21.5	0.5					
16	64QAM	1	0	19.94	20.23	19.89							
16	64QAM	1	37	19.77	19.97	20.07							
16	64QAM	1	74	20.01	19.85	19.85							
16	64QAM	36	0	19.77	20.01	19.87	20.5	1.5					
16	64QAM	36	20	19.73	18.88	19.86							
16	64QAM	75	0	19.75	19.85	19.85							
16	256QAM	1	0	17.78	17.87	17.88							
16	256QAM	1	37	17.73	18.04	17.72	18.5	3.5					
16	256QAM	1	74	17.73	17.82	17.72							
16	256QAM	36	0	17.83	18.00	17.82							
16	256QAM	36	20	17.86	17.77	17.82							
16	256QAM	36	39	17.84	17.77	17.71	18.5	3.5					
16	256QAM	75	0	17.79	17.89	17.87							
Channel				37860	38000	38160							
Frequency (MHz)				20.95	20.95	20.95							
10	QPSK	1	0	20.93	20.48	20.48	22	0					
10	QPSK	1	25	20.31	20.39	20.41							
10	QPSK	1	49	20.35	20.28	20.34							
10	QPSK	25	0	20.37	20.43	20.32							
10	QPSK	25	12	20.24	20.46	20.38	22	0					
10	QPSK	25	25	20.17	20.25	20.22							
10	QPSK	50	0	20.34	20.42	20.35							
10	16QAM	1	0	20.32	20.41	20.25							
10	16QAM	1	25	20.22	20.33	20.29	22	0					
10	16QAM	1	49	20.16	20.17	20.31							
10	16QAM	25	0	20.04	20.20	19.88							
10	16QAM	25	12	20.04	19.88	19.82							
10	16QAM	50	0	19.86	20.04	19.84	21.5	0.5					
10	64QAM	1	0	19.89	20.09	20.07							
10	64QAM	1	25	19.82	20.01	20.01							
10	64QAM	1	49	20.06	19.83	20.04							
10	64QAM	25	0	19.81	20.00	19.81	20.5	1.5					
10	64QAM	25	12	19.71	19.85	19.78							
10	64QAM	25	25	19.74	19.71	19.75							
10	64QAM	50	0	19.80	19.83	19.72							
10	256QAM	1	0	17.81	18.03	17.84	19.5	3.5					
10	256QAM	1	25	17.73	17.87	17.84							
10	256QAM	1	49	17.71	17.75	17.75							
10	256QAM	25	0	17.84	17.83	17.84							
10	256QAM	25	12	17.86	17.81	17.86	18.5	3.5					
10	256QAM	25	25	17.89	17.82	17.82							
10	256QAM	50	0	17.85	17.88	17.84							
Channel				37795	38000	38220							
Frequency (MHz)				20.96	20.96	20.96							
5	QPSK	1	0	20.96 <td>20.61<td>20.38</td><td rowspan="4">22</td><td rowspan="4">0</td><td colspan="2"></td></td>	20.61 <td>20.38</td> <td rowspan="4">22</td> <td rowspan="4">0</td> <td colspan="2"></td>	20.38	22	0					
5	QPSK	1	12	20.31	20.32	20.37							
5	QPSK	1	24	20.44	20.39	20.33							
5	QPSK	12	0	20.38	20.46	20.40							
5	QPSK	12	7	20.24	20.42	20.38	22	0					
5	QPSK	12	13	20.11	20.29	20.18							
5	QPSK	25	0	20.20	20.29	20.20							
5	16QAM	1	0	20.31	20.44	20.23							
5	16QAM	1	12	20.28	20.39	20.15	22	0					
5	16QAM	1	24	20.16	20.29	20.20							
5	16QAM	12	0	19.93	20.17	19.96							
5	16QAM	12	7	19.97	19.82	20.00							
5	16QAM	12	13	19.77	19.93	19.80	21.5	0.5					
5	16QAM	25	0	19.82	19.96	19.93							
5	64QAM	1	0	19.94	20.12	20.00							
5	64QAM	1	12	19.89	19.88	20.00							
5	64QAM	1	24	19.95	19.91	19.90	20.5	1.5					
5	64QAM	12	0	19.78	19.89	19.81							
5	64QAM	12	7	19.76	19.78	19.75							
5	64QAM	12	13	19.72	19.78	19.71							
5	256QAM	1	0	17.83	18.01	17.80	18.5	3.5					
5	256QAM	1	12	17.74	18.03	17.82							
5	256QAM	1	24	17.74	17.70	17.70							
5	256QAM	12	0	17.87	17.86	17.86							
5	256QAM	12	13	17.70	17.81	17.70	18.5						

Band 41 PC2 FCC&IC Ant0																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low-Mid Ch / Freq	Power Low-Mid Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up Int (dB)	MPR (dB)						
Channel																
Frequency (MHz)																
20	QPSK	1	0	25.60	25.56	25.52	25.43	25.43	26	0						
20	QPSK	1	49	25.46	25.23	25.56	25.40	25.36								
20	QPSK	1	89	25.32	25.38	25.42	25.39	25.31	26	0						
20	QPSK	50	0	25.42	25.34	25.45	25.21	25.08								
20	QPSK	50	24	25.32	25.29	25.38	25.29	25.10	26	0						
20	QPSK	50	50	25.07	25.07	25.08	25.25	25.08								
20	QPSK	100	0	25.32	25.20	25.35	25.28	25.13	26	0						
20	16QAM	1	0	25.55	25.46	25.60	25.48	25.41								
20	16QAM	1	49	25.35	25.39	25.45	25.48	25.27	26	0						
20	16QAM	1	99	25.30	25.34	25.42	25.44	25.22								
20	16QAM	50	0	24.26	24.15	24.36	24.27	24.10	25	1						
20	16QAM	50	24	24.18	24.20	24.35	24.11	24.06								
20	16QAM	50	50	24.11	24.05	24.17	24.11	23.97	25	1						
20	16QAM	100	0	24.25	24.21	24.32	24.15	24.17								
20	64QAM	1	0	24.18	24.15	24.25	24.10	24.10	25	1						
20	64QAM	1	49	24.02	24.11	24.10	24.10	23.96								
20	64QAM	1	99	24.05	24.03	24.10	24.03	23.96	24	2						
20	64QAM	50	0	23.26	23.22	23.38	23.20	23.14								
20	64QAM	50	24	23.15	23.14	23.27	23.19	23.03	24	2						
20	64QAM	50	50	23.14	23.10	23.21	23.15	23.06								
20	64QAM	100	0	23.11	23.17	23.23	23.22	23.02	22	4						
20	256QAM	1	0	21.51	21.42	21.59	21.46	21.29								
20	256QAM	1	49	21.54	21.49	21.60	21.45	21.30	22	4						
20	256QAM	1	99	21.24	21.37	21.38	21.38	21.28								
20	256QAM	50	0	21.36	21.21	21.42	21.39	21.24	22	4						
20	256QAM	50	24	21.22	21.16	21.29	21.24	21.04								
20	256QAM	50	50	21.14	21.12	21.21	21.20	21.05	22	4						
20	256QAM	100	0	21.32	21.28	21.19	21.16	21.06								
Channel																
Frequency (MHz)																
16	QPSK	1	0	25.52	25.47	25.50	25.30	25.13	26.00	0						
16	QPSK	1	37	25.39	25.12	25.50	25.28	25.20								
16	QPSK	1	74	25.13	25.30	25.35	25.24	25.21	26	0						
16	QPSK	38	0	25.39	25.31	25.31	25.10	24.91								
16	QPSK	38	20	25.20	25.08	25.34	25.19	24.95	26	0						
16	QPSK	75	0	25.48	25.35	25.35	25.15	25.00								
16	QPSK	75	0	25.24	25.15	25.23	25.10	25.00	26	0						
16	16QAM	1	0	25.43	25.36	25.51	25.38	25.36								
16	16QAM	1	37	25.25	25.20	25.25	25.40	25.23	25	1						
16	16QAM	1	74	25.18	25.21	25.28	25.38	25.10								
16	16QAM	38	0	24.22	24.02	24.24	24.16	23.97	25	1						
16	16QAM	38	20	24.05	24.08	24.22	24.05	23.82								
16	16QAM	38	39	24.08	23.99	24.08	24.06	23.86	25	1						
16	16QAM	75	0	24.19	24.08	24.27	24.04	24.02								
16	64QAM	1	0	24.04	24.10	24.16	24.05	23.99	24	2						
16	64QAM	1	37	23.89	24.04	23.97	23.96	23.86								
16	64QAM	1	74	24.03	23.89	24.10	23.94	23.92	24	2						
16	64QAM	38	0	23.18	23.15	23.35	23.05	23.05								
16	64QAM	38	20	23.05	22.99	23.22	23.15	22.97	24	2						
16	64QAM	38	39	23.04	23.03	23.05	23.15	22.92								
16	256QAM	1	0	21.43	21.30	21.51	21.39	21.22	22	4						
16	256QAM	1	37	21.42	21.27	21.48	21.38	21.15								
16	256QAM	1	74	21.20	21.26	21.32	21.23	21.20	22	4						
16	256QAM	38	0	21.24	21.17	21.34	21.25	21.11								
16	256QAM	38	20	21.08	21.12	21.21	21.15	20.99	22	4						
16	256QAM	38	39	21.10	21.08	21.07	21.09	20.98								
16	256QAM	75	0	21.21	21.12	21.31	21.06	21.07	26.00	0						
16	256QAM	75	0	21.21	21.12	21.31	21.06	21.07								
Channel																
Frequency (MHz)																
10	QPSK	1	0	25.44	25.44	25.44	25.34	25.34	26.00	0						
10	QPSK	1	25	25.35	25.11	25.51	25.34	25.28								
10	QPSK	1	49	25.06	25.30	25.30	25.31	25.16	26	0						
10	QPSK	25	0	25.34	25.22	25.35	25.10	25.02								
10	QPSK	25	12	25.28	25.00	25.32	25.14	25.03	26	0						
10	QPSK	25	25	24.92	25.06	25.09	25.14	24.97								
10	QPSK	50	0	25.30	25.06	25.21	25.24	25.06	26	0						
10	16QAM	1	0	25.47	25.40	25.60	25.41	25.36								
10	16QAM	1	49	25.20	25.34	25.40	25.38	25.12	25	1						
10	16QAM	1	89	25.21	25.21	25.28	25.36	25.17								
10	16QAM	25	0	24.23	24.09	24.31	24.12	24.03	25	1						
10	16QAM	25	12	24.12	24.16	24.22	24.06	23.91								
10	16QAM	25	25	24.04	23.96	24.14	24.04	23.85	25	1						
10	16QAM	50	0	24.18	24.14	24.28	24.08	24.13								
10	64QAM	1	0	24.09	24.09	24.20	24.06	23.97	25	1						
10	64QAM	1	25	23.94	23.99	24.02	23.92	23.86								
10	64QAM	25	0	23.21	23.08	23.20	23.15	23.03	24	2						
10	64QAM	25	12	23.05	23.10	23.24	23.09	22.89								
10	64QAM	25	25	23.02	22.87	23.20	23.08	22.96	24	2						
10	64QAM	50	0	22.97	23.07	23.10	23.18	22.98								
10	256QAM	1	0	21.47	21.39	21.54	21.36	21.18	22	4						
10	256QAM	1	25	21.51	21.26	21.47	21.39	21.25								
10	256QAM	1	49	21.14	21.30	21.35	21.30	21.22	22	4						
10	256QAM	25	0	21.28	21.21	21.36	21.32	21.20								
10	256QAM	25	12	21.06	21.04	21.20	21.17	20.94	22	4						
10	256QAM	25	25	20.99	21.07	21.13	21.10	20.96								
10	256QAM	50	0	21.28	21.16	21.27	21.11	21.02	26.00	0						
10	256QAM	50	0	21.28	21.16	21.27	21.11	21.02								
Channel																
Frequency (MHz)																
5	QPSK	1	0	25.45	25.45	25.45	25.38	25.40	26.00	0						
5	QPSK	1	12	25.43	25.07	25.45	25.33	25.31								
5	QPSK	1	24	25.13	25.30	25.35	25.24	25.21	26	0						
5	QPSK	12	0	25.39	25.32	25.41	25.26	24.93								
5	QPSK	12	7	25.24	25.15	25.28	25.12	25.03	26	0						
5	QPSK	25	0	24.93	24.06	24.28	24.10	23.91								
5	QPSK	25	0	25.21	25.05	25.28	25.22	25.09	26	0						
5	16QAM	1	0	25.47	25.42	25.52	25.38	25.37								
5	16QAM	1	12	25.20	25.34	25.40	25.38	25.12	26	0						
5	16QAM	1	24	25.19	25.21	25.28	25.34	25.16								
5	16QAM	1	25	24.29	24.02	24.25	24.16	24.02	25	1						
5	16QAM	12	7	24.15	24.14	24.19	24.09	23.97								
5	16QAM	12	13	24.06	23.98	24.03	24.07	23.89	25	1						
5	16QAM	25	0	24.12	24.10	24.21	24.05	24.07								
5	64QAM	1	0	24.07	24.10	24.21	24.05	23.96	24	2						
5	64QAM	1	12	23.91	23.97	24.02	24.07	23.92								
5	64QAM	1	24	23.97	23.99	24.02	23.98	23.81	24	2						
5	64QAM	12	13	23.08	23.08	23.15	23.15	22.98								
5	64QAM	25	0	23.08	23.11	23.11	23.14	22.96	22	4						
5	64QAM	25	0	23.08	23.11	23.11	23.14	22.96								
5	256QAM	1	0	21.43	21.34	21.44	21.37	21.22	22	4						
5	256QAM	1	12	21.43	21.25	21.46	21.37	21.21								
5	256QAM	1	24	21.19	21.30	21.32	21.28	21.22	22	4						
5	256QAM	1	25	21.08	21.21	21.22	21.19	21.19								
5	256QAM	12	7	21.19	21.07	21.22	21.20	21.03	22	4						
5	256QAM	12	13	21.09	21.08	21.15	21.10	20.96								
5	256QAM	25	0	21.28	21.16	21.25	21.11	21.02	26.00	0						
5	256QAM	25	0	21.28	21.16	21.25	21.11	21.02								
Channel																
Frequency (MHz)																

CDMA0 1Ae 1

Channel	Sidel-Average Power (dBm)			Time-up	Frame-Average Power (dBm)			Time-up
TX Channel	198	199	201	Limit	198	199	201	Limit
Frequency (MHz)	894.2	895.4	896.6	(dBm)	894.2	895.6	896.6	(dBm)
CDMA 1 Tx-Mid	31.42	31.48	31.36	32.00	22.42	22.48	22.36	23.00
OPRS 1 Tx-Mid	31.39	31.42	31.33	32.00	22.39	22.42	22.33	23.00
OPRS 2 Tx-Mid	28.27	28.29	28.32	29.00	22.27	22.29	22.32	23.00
OPRS 3 Tx-Mid	26.80	26.91	26.80	28.00	22.54	22.55	22.54	23.14
OPRS 4 Tx-Mid	26.16	25.22	25.17	26.00	22.16	22.22	22.17	23.00
EDGE 1 Tx-Mid	24.03	24.17	24.05	25.00	18.03	18.17	18.05	18.00
EDGE 2 Tx-Mid	22.20	22.41	22.34	23.00	16.20	16.41	16.34	17.00
EDGE 3 Tx-Mid	21.15	21.23	21.08	22.00	15.89	16.07	15.82	17.74
EDGE 4 Tx-Mid	19.99	19.06	18.83	20.00	15.89	16.08	16.03	17.00

CDMA 1Ae 1

Channel	Sidel-Average Power (dBm)			Time-up	Frame-Average Power (dBm)			Time-up
TX Channel	514	560	590	Limit	514	560	590	Limit
Frequency (MHz)	1890.2	1890	1890.8	(dBm)	1890.2	1890	1890.8	(dBm)
CDMA 1 Tx-Mid	27.06	27.03	27.83	28.22	18.06	18.24	18.63	19.20
OPRS 1 Tx-Mid	27.52	27.51	27.57	28.00	18.52	18.67	18.57	19.00
OPRS 2 Tx-Mid	25.06	25.00	24.98	26.00	19.06	19.00	18.98	20.00
OPRS 3 Tx-Mid	25.36	25.42	25.32	24.50	19.10	19.18	19.08	20.24
OPRS 4 Tx-Mid	20.62	20.74	20.63	21.00	17.62	17.74	17.63	18.50
EDGE 1 Tx-Mid	12.76	12.86	12.72	13.50	13.76	13.86	13.72	14.20
EDGE 2 Tx-Mid	21.13	21.22	21.13	22.00	15.13	15.22	15.13	16.00
EDGE 3 Tx-Mid	14.80	14.90	14.80	15.00	12.76	12.86	12.74	13.74
EDGE 4 Tx-Mid	17.01	16.00	15.97	18.00	14.91	15.05	14.97	16.00

WCDMA II Ae 1

WCDMA II Ae 1				WCDMA IV Ae 1				WCDMA V Ae 1			
Channel	MCDMA II			Time-up	MCDMA IV			Time-up	MCDMA V		
TX Channel	5952	5600	5658	Limit	1312	1410	1513	Limit	4132	4162	4230
Frequency (MHz)	1852.4	1860	1867.6	(dBm)	1712.4	1732.6	1752.6	(dBm)	836.4	838.4	846.6
SCPP-Rel-0	21.46	21.55	21.44	23.00	21.42	21.44	21.31	23.00	21.14	21.17	21.04
SCPP-Rel-0	21.48	21.51	21.51	23.00	21.45	21.45	21.37	23.00	21.17	21.21	21.00
SCPP-Rel-0	20.85	20.64	20.47	22.00	20.48	20.57	20.32	22.00	20.23	20.23	20.00
SCPP-Rel-0	20.48	20.51	20.52	22.00	20.42	20.50	20.41	22.00	20.12	20.22	20.17
SCPP-Rel-0	20.02	20.14	20.10	21.00	19.91	20.02	19.85	21.00	19.57	19.70	19.60
SCPP-Rel-0	19.56	20.18	20.06	21.00	19.87	20.11	19.64	21.00	19.56	19.29	19.60
SCPP-Rel-0	20.50	20.70	20.45	22.00	20.46	20.63	20.35	22.00	20.21	20.32	20.01
SCPP-Rel-0	20.37	20.42	20.36	22.00	20.33	20.28	20.28	22.00	20.08	20.08	19.94
SCPP-Rel-0	19.00	19.96	19.92	21.00	19.84	19.84	19.86	21.00	19.90	19.98	19.85
SCPP-Rel-0	19.87	19.84	19.89	21.00	19.82	19.80	19.83	21.00	19.49	19.47	19.64
SCPP-Rel-0	20.86	20.81	20.86	22.00	20.43	20.38	20.56	22.00	20.10	20.22	20.28
SCPP-Rel-0	18.53	18.67	18.52	20.00	18.42	18.53	18.39	20.00	18.09	18.19	18.13
SCPP-Rel-0	18.53	18.66	18.66	21.00	18.43	18.53	18.47	21.00	18.18	18.26	18.15
SCPP-Rel-0	18.45	18.49	18.44	20.00	18.37	18.45	18.35	20.00	18.04	18.14	18.03
SCPP-Rel-0	20.59	20.49	20.39	22.00	20.55	20.38	20.33	22.00	20.21	20.03	20.08