

Reduced Power Mode for DS15									
Band 2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18800	19100	18.5	0	
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	17.49	17.53	17.42			
20	QPSK	1	49	17.41	17.46	17.37	18.5	0	
20	QPSK	1	99	17.23	17.34	17.38			
20	QPSK	50	0	17.40	17.50	17.45			
20	QPSK	50	24	17.29	17.40	17.40	18.5	0	
20	QPSK	50	50	17.31	17.44	17.27			
20	QPSK	100	0	17.41	17.48	17.42			
20	16QAM	1	0	17.35	17.38	17.31	18.5	0	
20	16QAM	1	49	17.28	17.36	17.38			
20	16QAM	1	99	17.46	17.49	17.47			
20	16QAM	50	0	17.31	17.34	17.39	18.5	0	
20	16QAM	50	24	17.44	17.41	17.40			
20	16QAM	50	50	17.43	17.52	17.38			
20	16QAM	100	0	17.34	17.45	17.32	18.5	0	
20	64QAM	1	0	17.27	17.40	17.44			
20	64QAM	1	49	17.26	17.42	17.36			
20	64QAM	1	99	17.31	17.47	17.30	18.5	0	
20	64QAM	50	0	17.31	17.36	17.38			
20	64QAM	50	24	17.40	17.45	17.30			
20	64QAM	50	50	17.38	17.36	17.37	18.5	0	
20	64QAM	100	0	17.35	17.50	17.38			
Channel				18675	18900	19125	18.5	MPR (dB)	
Frequency (MHz)				18675	18900	19025			
15	QPSK	1	0	17.35	17.47	17.29			
15	QPSK	1	37	17.28	17.41	17.25	18.5	0	
15	QPSK	1	74	17.10	17.25	17.32			
15	QPSK	36	0	17.27	17.38	17.40	18.5	0	
15	QPSK	36	20	17.26	17.29	17.28			
15	QPSK	36	39	17.24	17.37	17.21			
15	QPSK	75	0	17.35	17.35	17.28	18.5	0	
15	16QAM	1	0	17.29	17.34	17.20			
15	16QAM	1	37	17.16	17.35	17.27			
15	16QAM	1	74	17.38	17.48	17.36	18.5	0	
15	16QAM	36	0	17.24	17.28	17.29			
15	16QAM	36	20	17.42	17.31	17.37			
15	16QAM	36	39	17.30	17.51	17.23	18.5	0	
15	16QAM	75	0	17.29	17.33	17.19			
15	64QAM	1	0	17.12	17.29	17.30			
15	64QAM	1	37	17.16	17.34	17.22	18.5	0	
15	64QAM	1	74	17.26	17.45	17.15			
15	64QAM	36	0	17.18	17.28	17.29			
15	64QAM	36	20	17.25	17.33	17.18	18.5	0	
15	64QAM	36	39	17.32	17.21	17.33			
15	64QAM	75	0	17.29	17.43	17.26			
Channel				18950	18900	19150	18.5	MPR (dB)	
Frequency (MHz)				18950	18900	19005			
10	QPSK	1	0	17.44	17.50	17.31			
10	QPSK	1	25	17.28	17.43	17.32	18.5	0	
10	QPSK	1	49	17.08	17.26	17.37			
10	QPSK	25	0	17.28	17.39	17.43	18.5	0	
10	QPSK	25	12	17.21	17.28	17.31			
10	QPSK	25	25	17.22	17.32	17.22			
10	QPSK	50	0	17.38	17.41	17.35	18.5	0	
10	16QAM	1	0	17.26	17.36	17.19			
10	16QAM	1	25	17.23	17.31	17.32			
10	16QAM	1	49	17.42	17.47	17.35	18.5	0	
10	16QAM	25	0	17.19	17.19	17.36			
10	16QAM	25	12	17.32	17.29	17.30			
10	16QAM	25	25	17.33	17.37	17.37	18.5	0	
10	16QAM	50	0	17.30	17.38	17.31			
10	64QAM	1	0	17.16	17.35	17.34	18.5	0	
10	64QAM	1	25	17.15	17.31	17.34			
10	64QAM	1	49	17.19	17.39	17.15			
10	64QAM	25	0	17.17	17.31	17.33	18.5	0	
10	64QAM	25	12	17.26	17.43	17.16			
10	64QAM	25	25	17.31	17.33	17.23			
10	64QAM	50	0	17.21	17.36	17.24	18.5	0	
Channel				18925	18900	19175			
Frequency (MHz)				18925	18900	19075	18.5	MPR (dB)	
5	QPSK	1	0	17.36	17.38	17.34			
5	QPSK	1	12	17.28	17.44	17.34	18.5	0	
5	QPSK	1	24	17.15	17.22	17.26			
5	QPSK	12	0	17.28	17.45	17.44	18.5	0	
5	QPSK	12	7	17.18	17.38	17.32			
5	QPSK	12	13	17.26	17.31	17.22	18.5	0	
5	QPSK	25	0	17.37	17.36	17.30			
5	16QAM	1	0	17.34	17.36	17.20	18.5	0	
5	16QAM	1	12	17.23	17.26	17.35			
5	16QAM	1	24	17.42	17.41	17.41			
5	16QAM	12	0	17.29	17.21	17.27	18.5	0	
5	16QAM	12	7	17.35	17.28	17.37			
5	16QAM	12	13	17.41	17.39	17.25			
5	16QAM	25	0	17.21	17.33	17.27	18.5	0	
5	64QAM	1	0	17.14	17.37	17.33			
5	64QAM	1	12	17.21	17.34	17.22	18.5	0	
5	64QAM	1	24	17.20	17.35	17.26			
5	64QAM	12	0	17.20	17.28	17.29	18.5	0	
5	64QAM	12	7	17.39	17.30	17.18			
5	64QAM	12	13	17.30	17.29	17.31			
5	64QAM	25	0	17.21	17.36	17.32	18.5	0	
Channel				18915 <th>18900</th> <th>19165</th>	18900	19165			
Frequency (MHz)				18915 <th>18900</th> <th>19095<th rowspan="2">18.5</th><th colspan="2" rowspan="2">MPR (dB)</th></th>	18900	19095 <th rowspan="2">18.5</th> <th colspan="2" rowspan="2">MPR (dB)</th>	18.5	MPR (dB)	
3	QPSK	1	0	17.39	17.46	17.27			
3	QPSK	1	8	17.29	17.37	17.22	18.5	0	
3	QPSK	1	14	17.11	17.26	17.33			
3	QPSK	8	0	17.33	17.46	17.37	18.5	0	
3	QPSK	8	4	17.21	17.36	17.30			
3	QPSK	8	7	17.21	17.38	17.16	18.5	0	
3	QPSK	15	0	17.38	17.37	17.40			
3	16QAM	1	0	17.23	17.26	17.22	18.5	0	
3	16QAM	1	8	17.23	17.31	17.24			
3	16QAM	1	14	17.31	17.45	17.33			
3	16QAM	8	0	17.28	17.31	17.33	18.5	0	
3	16QAM	8	4	17.38	17.40	17.38			
3	16QAM	8	7	17.42	17.45	17.32			
3	16QAM	15	0	17.20	17.41	17.24	18.5	0	
3	64QAM	1	0	17.12	17.29	17.30			
3	64QAM	1	8	17.24	17.33	17.30	18.5	0	
3	64QAM	1	14	17.24	17.32	17.17			
3	64QAM	8	0	17.27	17.29	17.26	18.5	0	
3	64QAM	8	4	17.31	17.33	17.25			
3	64QAM	8	7	17.25	17.27	17.33			
3	64QAM	15	0	17.20	17.42	17.27	18.5	0	
Channel				18907 <th>18900</th> <th>19193</th>	18900	19193			
Frequency (MHz)				18907 <th>18900</th> <th>19093<th rowspan="2">18.5<th colspan="2" rowspan="2">MPR (dB)</th></th></th>	18900	19093 <th rowspan="2">18.5<th colspan="2" rowspan="2">MPR (dB)</th></th>	18.5 <th colspan="2" rowspan="2">MPR (dB)</th>	MPR (dB)	
1.4	QPSK	1	0	17.43	17.42	17.31			
1.4	QPSK	1	3	17.40	17.39	17.22	18.5	0	
1.4	QPSK	1	5	17.11	17.28	17.36			
1.4	QPSK	3	0	17.34	17.36	17.37	18.5	0	
1.4	QPSK	3	1	17.26	17.32	17.31			
1.4	QPSK	3	3	17.22	17.37	17.21			
1.4	QPSK	6	0	17.33	17.35	17.29	18.5	0	
1.4	QPSK	6	0	17.40	17.39	17.30			
1.4	16QAM	1	3	17.22	17.24	17.29	18.5	0	
1.4	16QAM	1	5	17.32	17.48	17.42			
1.4	16QAM	3	0	17.21	17.31	17.32			
1.4	16QAM	3	1	17.36	17.33	17.28	18.5	0	
1.4	16QAM	3	3	17.38	17.40	17.36			
1.4	16QAM	6	0	17.30	17.31	17.23	18.5	0	
1.4	64QAM	1	0	17.14	17.36	17.43			
1.4	64QAM	1	3	17.25	17.33	17.24	18.5	0	
1.4	64QAM	1	5	17.29	17.44	17.27			
1.4	64QAM	3	0	17.16	17.21	17.28			
1.4	64QAM	3	1	17.26	17.44	17.26	18.5	0	
1.4	64QAM	3	3	17.30	17.32	17.30			
1.4	64QAM	6	0	17.32	17.30	17.30	18.5	0	
1.4	64QAM	6	0	17.32	17.32	17.30			

Reduced Power Mode for DS16									
Band 2_Ant 4									
BW [MHz]	Modulate	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1860	1880	1900	17.5	0	
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	16.45	16.51	16.47			
20	QPSK	1	49	16.42	16.37	16.44	17.5	0	
20	QPSK	1	99	16.36	16.42	16.34			
20	QPSK	50	0	16.41	16.47	16.44			
20	QPSK	50	24	16.40	16.37	16.41	17.5	0	
20	QPSK	50	50	16.29	16.41	16.34			
20	QPSK	100	0	16.40	16.46	16.29			
20	16QAM	1	0	16.20	16.30	16.20	17.5	0	
20	16QAM	1	49	16.40	16.38	16.38			
20	16QAM	1	99	16.43	16.40	16.34			
20	16QAM	50	0	16.41	16.39	16.50	17.5	0	
20	16QAM	50	24	16.38	16.48	16.43			
20	16QAM	50	50	16.34	16.31	16.44			
20	16QAM	100	0	16.46	16.45	16.28	17.5	0	
20	64QAM	1	0	16.24	16.37	16.37			
20	64QAM	1	49	16.21	16.33	16.36			
20	64QAM	1	99	16.25	16.38	16.39	17.5	0	
20	64QAM	50	0	16.35	16.39	16.44			
20	64QAM	50	24	16.39	16.47	16.32			
20	64QAM	50	50	16.36	16.39	16.41	17.5	0	
20	64QAM	100	0	16.32	16.44	16.46			
Channel				18675	18900	19125	17.5	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	16.31	16.40	16.34			
15	QPSK	1	37	16.36	16.24	16.40	17.5	0	
15	QPSK	1	74	16.35	16.36	16.23			
15	QPSK	36	0	16.26	16.34	16.38	17.5	0	
15	QPSK	36	20	16.27	16.27	16.26			
15	QPSK	36	39	16.23	16.26	16.25			
15	QPSK	75	0	16.38	16.40	16.20	17.5	0	
15	16QAM	1	0	16.12	16.19	16.10			
15	16QAM	1	37	16.37	16.37	16.23			
15	16QAM	1	74	16.28	16.28	16.27	17.5	0	
15	16QAM	36	0	16.40	16.38	16.43			
15	16QAM	36	20	16.25	16.41	16.42			
15	16QAM	36	39	16.20	16.27	16.34	17.5	0	
15	16QAM	75	0	16.38	16.36	16.19			
15	64QAM	1	0	16.15	16.25	16.36			
15	64QAM	1	37	16.10	16.20	16.21	17.5	0	
15	64QAM	1	74	16.24	16.27	16.34			
15	64QAM	36	0	16.30	16.33	16.30			
15	64QAM	36	20	16.26	16.39	16.22	17.5	0	
15	64QAM	36	39	16.31	16.36	16.37			
15	64QAM	75	0	16.23	16.35	16.37			
Channel				18650	18900	19150	17.5	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	16.38	16.38	16.45			
10	QPSK	1	25	16.27	16.29	16.41	17.5	0	
10	QPSK	1	49	16.22	16.36	16.22			
10	QPSK	25	0	16.33	16.32	16.29	17.5	0	
10	QPSK	25	12	16.26	16.23	16.34			
10	QPSK	25	25	16.20	16.28	16.24			
10	QPSK	50	0	16.25	16.32	16.22	17.5	0	
10	16QAM	1	0	16.05	16.25	16.07			
10	16QAM	1	25	16.39	16.25	16.28			
10	16QAM	1	49	16.42	16.39	16.27	17.5	0	
10	16QAM	25	0	16.32	16.31	16.37			
10	16QAM	25	12	16.27	16.43	16.37			
10	16QAM	25	25	16.24	16.17	16.40	17.5	0	
10	16QAM	50	0	16.32	16.36	16.24			
10	64QAM	1	0	16.14	16.30	16.32			
10	64QAM	1	25	16.20	16.20	16.26	17.5	0	
10	64QAM	1	49	16.11	16.37	16.36			
10	64QAM	25	0	16.32	16.29	16.37			
10	64QAM	25	12	16.30	16.42	16.30	17.5	0	
10	64QAM	25	25	16.33	16.35	16.26			
10	64QAM	50	0	16.17	16.35	16.34			
Channel				18625	18900	19175	17.5	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	16.34	16.47	16.35			
5	QPSK	1	12	16.40	16.28	16.33	17.5	0	
5	QPSK	1	24	16.29	16.31	16.26			
5	QPSK	12	0	16.33	16.39	16.33	17.5	0	
5	QPSK	12	7	16.35	16.31	16.33			
5	QPSK	12	13	16.25	16.34	16.30			
5	QPSK	25	0	16.35	16.45	16.18	17.5	0	
5	16QAM	1	0	16.12	16.22	16.08			
5	16QAM	1	12	16.32	16.32	16.26			
5	16QAM	1	24	16.32	16.27	16.31	17.5	0	
5	16QAM	12	0	16.29	16.32	16.49			
5	16QAM	12	7	16.26	16.34	16.29			
5	16QAM	12	13	16.30	16.27	16.29	17.5	0	
5	16QAM	25	0	16.34	16.30	16.15			
5	64QAM	1	0	16.15	16.24	16.25			
5	64QAM	1	12	16.06	16.30	16.22	17.5	0	
5	64QAM	1	24	16.22	16.33	16.30			
5	64QAM	12	0	16.32	16.24	16.39			
5	64QAM	12	7	16.29	16.32	16.21	17.5	0	
5	64QAM	12	13	16.34	16.26	16.37			
5	64QAM	25	0	16.21	16.31	16.34			
Channel				18515	18900	19185	17.5	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	16.39	16.47	16.33			
3	QPSK	1	8	16.31	16.32	16.32	17.5	0	
3	QPSK	1	14	16.23	16.38	16.19			
3	QPSK	8	0	16.32	16.42	16.40	17.5	0	
3	QPSK	8	4	16.30	16.32	16.31			
3	QPSK	8	7	16.28	16.38	16.29			
3	QPSK	15	0	16.28	16.36	16.24	17.5	0	
3	16QAM	1	0	16.19	16.29	16.09			
3	16QAM	1	8	16.30	16.26	16.29			
3	16QAM	1	14	16.38	16.26	16.30	17.5	0	
3	16QAM	8	0	16.38	16.29	16.48			
3	16QAM	8	4	16.35	16.37	16.34			
3	16QAM	8	7	16.29	16.20	16.37	17.5	0	
3	16QAM	15	0	16.38	16.42	16.27			
3	64QAM	1	0	16.16	16.28	16.26			
3	64QAM	1	8	16.09	16.21	16.33	17.5	0	
3	64QAM	1	14	16.17	16.37	16.33			
3	64QAM	8	0	16.25	16.34	16.39			
3	64QAM	8	4	16.33	16.45	16.27	17.5	0	
3	64QAM	8	7	16.21	16.27	16.40			
3	64QAM	15	0	16.21	16.34	16.31			
Channel				18607	18900	19193	17.5	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	16.42	16.36	16.40			
1.4	QPSK	1	3	16.41	16.36	16.39	17.5	0	
1.4	QPSK	1	5	16.22	16.33	16.21			
1.4	QPSK	3	0	16.32	16.34	16.32	17.5	0	
1.4	QPSK	3	1	16.25	16.22	16.32			
1.4	QPSK	3	3	16.25	16.31	16.31			
1.4	QPSK	6	0	16.30	16.45	16.23	17.5	0	
1.4	16QAM	1	0	16.10	16.20	16.12			
1.4	16QAM	1	3	16.36	16.35	16.23			
1.4	16QAM	1	5	16.39	16.27	16.31	17.5	0	
1.4	16QAM	3	0	16.29	16.32	16.47			
1.4	16QAM	3	1	16.28	16.39	16.31			
1.4	16QAM	3	3	16.29	16.32	16.36	17.5	0	
1.4	16QAM	6	0	16.41	16.42	16.30			
1.4	64QAM	1	0	16.16	16.22	16.33			
1.4	64QAM	1	3	16.12	16.24	16.30	17.5	0	
1.4	64QAM	1	5	16.15	16.33	16.32			
1.4	64QAM	3	0	16.27	16.25	16.43			
1.4	64QAM	3	1	16.38	16.31	16.16	17.5	0	
1.4	64QAM	3	3	16.31	16.38	16.31			
1.4	64QAM	6	0	16.17	16.32	16.35			

Reduced Power Mode for DSI7									
Band 4_Ant 2									
BW (MHz)	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	21.93	21.97	21.90	23	0	
20	QPSK	1	49	21.92	21.87	21.84			
20	QPSK	1	99	21.79	21.94	21.80			
20	QPSK	50	0	21.90	21.95	21.88	23	0	
20	QPSK	50	24	21.90	21.84	21.85			
20	QPSK	50	50	21.88	21.88	21.82			
20	QPSK	100	0	21.86	21.90	21.84	23	0	
20	16QAM	1	0	21.84	21.95	21.86			
20	16QAM	1	49	21.87	21.93	21.80			
20	16QAM	1	99	21.82	21.86	21.89	22.5	0.5	
20	16QAM	50	0	21.14	21.18	21.25			
20	16QAM	50	24	21.15	21.27	21.29			
20	16QAM	50	50	21.14	21.30	21.22	22.5	0.5	
20	16QAM	100	0	21.23	21.32	21.33			
20	64QAM	1	0	20.95	21.00	21.12	22.5	0.5	
20	64QAM	1	49	21.19	20.96	21.16			
20	64QAM	1	99	21.08	21.15	21.18			
20	64QAM	50	0	20.02	20.15	20.30	21.5	1.5	
20	64QAM	50	24	20.19	20.30	20.32			
20	64QAM	50	50	20.21	20.22	20.32			
20	64QAM	100	0	20.10	20.42	20.28	Tune-up limit (dBm)	MPR (dB)	
Channel				20025	20175	20325			
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.92	21.88	21.78		23	
15	QPSK	1	37	21.87	21.72	21.71			
15	QPSK	1	74	21.76	21.80	21.75	23	0	
15	QPSK	36	0	21.81	21.92	21.80			
15	QPSK	36	20	21.83	21.75	21.78			
15	QPSK	36	39	21.74	21.81	21.79	23	0	
15	QPSK	75	0	21.71	21.84	21.81			
15	16QAM	1	0	21.74	21.93	21.81			
15	16QAM	1	37	21.85	21.88	21.85	23	0	
15	16QAM	1	74	21.71	21.77	21.79			
15	16QAM	36	0	21.01	21.06	21.15			
15	16QAM	36	20	21.10	21.17	21.24	22.5	0.5	
15	16QAM	36	39	21.08	21.20	21.11			
15	16QAM	75	0	21.13	21.22	21.26			
15	64QAM	1	0	20.88	20.92	21.02	22.5	0.5	
15	64QAM	1	37	21.06	20.89	21.10			
15	64QAM	1	74	20.99	21.07	21.05			
15	64QAM	36	0	19.91	20.06	20.25	21.5	1.5	
15	64QAM	36	20	20.04	20.19	20.18			
15	64QAM	36	39	20.11	20.11	20.18			
15	64QAM	75	0	19.95	20.25	20.18	Tune-up limit (dBm)	MPR (dB)	
Channel				20000	20175	20350			
Frequency (MHz)				1715	1732.5	1750	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	21.89	21.96	21.77		23	
10	QPSK	1	25	21.80	21.73	21.76			
10	QPSK	1	49	21.73	21.92	21.76	23	0	
10	QPSK	25	0	21.78	21.86	21.87			
10	QPSK	25	12	21.89	21.76	21.84			
10	QPSK	25	25	21.86	21.87	21.73	23	0	
10	QPSK	50	0	21.77	21.83	21.79			
10	16QAM	1	0	21.79	21.89	21.77			
10	16QAM	1	25	21.83	21.90	21.75	23	0	
10	16QAM	1	49	21.67	21.83	21.82			
10	16QAM	5	0	21.09	21.05	21.10			
10	16QAM	25	12	21.09	21.17	21.22	22.5	0.5	
10	16QAM	25	25	21.02	21.20	21.09			
10	16QAM	50	0	21.12	21.18	21.22			
10	64QAM	1	0	20.86	20.94	21.06	22.5	0.5	
10	64QAM	1	25	21.06	20.81	21.10			
10	64QAM	1	49	21.03	21.63	21.03			
10	64QAM	25	0	19.95	20.00	20.15	21.5	1.5	
10	64QAM	25	12	20.08	20.16	20.17			
10	64QAM	25	25	20.11	20.15	20.23			
10	64QAM	50	0	20.05	20.35	20.21	Tune-up limit (dBm)	MPR (dB)	
Channel				19975	20175	20375			
Frequency (MHz)				1712.5	1732.5	1752.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.81	21.96	21.83		23	
5	QPSK	1	12	21.78	21.85	21.74			
5	QPSK	1	24	21.68	21.89	21.69	23	0	
5	QPSK	12	0	21.77	21.82	21.87			
5	QPSK	12	7	21.89	21.78	21.71			
5	QPSK	12	13	21.73	21.74	21.76	23	0	
5	QPSK	25	0	21.84	21.86	21.75			
5	16QAM	1	0	21.76	21.93	21.79			
5	16QAM	1	12	21.73	21.90	21.66	23	0	
5	16QAM	1	24	21.71	21.85	21.77			
5	16QAM	12	0	21.03	21.11	21.16			
5	16QAM	12	7	21.02	21.14	21.19	22.5	0.5	
5	16QAM	12	13	21.06	21.20	21.16			
5	16QAM	25	0	21.14	21.20	21.18			
5	64QAM	1	0	20.86	20.88	21.02	22.5	0.5	
5	64QAM	1	12	21.04	20.85	21.09			
5	64QAM	1	24	21.01	21.06	21.03			
5	64QAM	12	0	19.93	20.10	20.20	21.5	1.5	
5	64QAM	12	7	20.14	20.20	20.17			
5	64QAM	12	13	20.16	20.10	20.26			
5	64QAM	25	0	19.97	20.25	20.16	Tune-up limit (dBm)	MPR (dB)	
Channel				19955	20175	20395			
Frequency (MHz)				1711.5	1732.5	1753.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	21.80	21.86	21.84		23	
3	QPSK	1	8	21.78	21.75	21.80			
3	QPSK	1	14	21.74	21.86	21.72	23	0	
3	QPSK	8	0	21.90	21.93	21.84			
3	QPSK	8	4	21.80	21.74	21.75			
3	QPSK	8	7	21.74	21.78	21.67	23	0	
3	QPSK	15	0	21.75	21.87	21.80			
3	16QAM	1	0	21.74	21.92	21.79			
3	16QAM	1	8	21.79	21.90	21.72	23	0	
3	16QAM	1	14	21.72	21.72	21.79			
3	16QAM	8	0	21.04	21.03	21.12			
3	16QAM	8	4	21.09	21.22	21.24	22.5	0.5	
3	16QAM	8	7	21.03	21.20	21.15			
3	16QAM	15	0	21.09	21.19	21.23			
3	64QAM	1	0	20.82	20.86	21.04	22.5	0.5	
3	64QAM	1	8	21.14	20.81	21.08			
3	64QAM	1	14	20.96	21.07	21.11			
3	64QAM	8	0	19.97	20.03	20.16	21.5	1.5	
3	64QAM	8	4	20.13	20.21	20.25			
3	64QAM	8	7	20.08	20.08	20.21			
3	64QAM	15	0	19.95	20.34	20.15	Tune-up limit (dBm)	MPR (dB)	
Channel				19957	20175	20393			
Frequency (MHz)				1710.7	1732.5	1754.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	21.82	21.94	21.80		23	
1.4	QPSK	1	3	21.84	21.85	21.77			
1.4	QPSK	1	5	21.64	21.90	21.66	23	0	
1.4	QPSK	3	0	21.86	21.91	21.76			
1.4	QPSK	3	1	21.88	21.82	21.76	23	0	
1.4	QPSK	3	3	21.64	21.79	21.68			
1.4	QPSK	6	0	21.78	21.91	21.74			
1.4	16QAM	1	0	21.84	21.76	21.79	23	0	
1.4	16QAM	1	3	21.87	21.81	21.75			
1.4	16QAM	1	5	21.85	21.85	21.78			
1.4	16QAM	3	0	21.72	21.92	21.83	22.5	0.5	
1.4	16QAM	3	1	21.81	21.82	21.68			
1.4	16QAM	3	3	21.60	21.85	21.75			
1.4	16QAM	6	0	21.20	21.22	21.22	22.5	0.5	
1.4	64QAM	1	0	20.80	20.89	20.97			
1.4	64QAM	1	3	20.09	20.83	21.10			
1.4	64QAM	1	5	20.95	21.11	21.09	22.5	0.5	
1.4	64QAM	3	0	20.71	20.81	20.85			
1.4	64QAM	3	1	21.00	20.69	20.13			
1.4	64QAM	3	3	20.96	20.96	20.96	21.5	1.5	
1.4	64QAM	6	0	19.89	20.39	20.34			

Band 66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	21.90	22.05	21.90	23	0	
20	QPSK	1	49	21.87	21.97	21.84			
20	QPSK	1	99	21.87	21.96	21.80			
20	QPSK	50	0	21.93	21.98	21.89			
20	QPSK	50	24	21.91	21.94	21.86			
20	QPSK	50	50	21.92	21.91	21.85			
20	QPSK	100	0	21.85	21.95	21.88	23	0	
20	16QAM	1	0	21.85	21.90	21.84			
20	16QAM	1	49	21.84	22.00	21.77			
20	16QAM	1	99	21.81	22.01	21.78			
20	16QAM	50	0	21.15	21.28	21.27			
20	16QAM	50	24	21.21	21.35	21.27			
20	16QAM	50	50	21.12	21.43	21.24	22.5	0.5	
20	16QAM	100	0	21.09	21.41	21.22			
20	64QAM	1	0	21.42	21.74	21.70			
20	64QAM	1	49	21.45	21.44	21.43			
20	64QAM	1	99	21.51	21.66	21.42			
20	64QAM	50	0	20.20	20.42	20.30			
20	64QAM	50	24	20.28	20.41	20.35	21.5	1.5	
20	64QAM	50	50	20.23	20.46	20.35			
20	64QAM	100	0	20.30	20.44	20.35			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	21.90	21.91	21.78	23	0	
15	QPSK	1	37	21.79	21.85	21.70			
15	QPSK	1	74	21.82	21.86	21.69			
15	QPSK	36	0	21.85	21.90	21.78			
15	QPSK	36	20	21.80	21.91	21.74			
15	QPSK	36	39	21.81	21.86	21.81			
15	QPSK	75	0	21.83	21.91	21.82	23	0	
15	16QAM	1	0	21.84	21.82	21.73			
15	16QAM	1	37	21.70	21.91	21.68			
15	16QAM	1	74	21.68	21.99	21.66			
15	16QAM	36	0	21.10	21.13	21.14			
15	16QAM	36	20	21.07	21.15	21.24			
15	16QAM	36	39	21.03	21.09	21.36	22.5	0.5	
15	16QAM	75	0	20.96	21.13	21.26			
15	64QAM	1	0	21.31	21.60	21.60			
15	64QAM	1	37	21.39	21.29	21.31			
15	64QAM	1	74	21.45	21.31	21.54			
15	64QAM	36	0	20.06	20.25	20.27			
15	64QAM	36	20	20.17	20.22	20.29	21.5	1.5	
15	64QAM	36	39	20.15	20.28	20.36			
15	64QAM	75	0	20.15	20.26	20.39			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	21.92	21.98	21.78	23	0	
10	QPSK	1	25	21.77	21.89	21.76			
10	QPSK	1	49	21.82	21.85	21.75			
10	QPSK	25	0	21.84	21.89	21.85			
10	QPSK	25	12	21.80	21.93	21.83			
10	QPSK	25	25	21.78	21.90	21.76			
10	QPSK	50	0	21.70	21.85	21.77	23	0	
10	16QAM	1	0	21.79	21.75	21.77			
10	16QAM	1	25	21.83	21.93	21.62			
10	16QAM	1	49	21.74	21.89	21.65			
10	16QAM	25	0	21.09	21.21	21.16			
10	16QAM	25	12	21.13	21.22	21.27			
10	16QAM	25	25	21.06	21.13	21.35	22.5	0.5	
10	16QAM	50	0	20.94	21.08	21.32			
10	64QAM	1	0	21.28	21.62	21.68			
10	64QAM	1	25	21.40	21.31	21.37			
10	64QAM	1	49	21.38	21.26	21.57			
10	64QAM	25	0	20.12	20.24	20.35			
10	64QAM	25	12	20.20	20.21	20.28	21.5	1.5	
10	64QAM	25	25	20.14	20.28	20.36			
10	64QAM	50	0	20.16	20.20	20.34			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	21.83	21.94	21.86	23	0	
5	QPSK	1	12	21.72	21.95	21.77			
5	QPSK	1	24	21.86	21.82	21.77			
5	QPSK	12	0	21.88	21.95	21.81			
5	QPSK	12	7	21.83	21.89	21.83			
5	QPSK	12	13	21.74	21.80	21.83			
5	QPSK	25	0	21.83	21.81	21.78	23	0	
5	16QAM	1	0	21.78	21.84	21.76			
5	16QAM	1	12	21.77	21.85	21.72			
5	16QAM	1	24	21.68	21.97	21.74			
5	16QAM	12	0	21.10	21.14	21.18			
5	16QAM	12	7	21.08	21.15	21.24			
5	16QAM	12	13	21.06	21.15	21.28	22.5	0.5	
5	16QAM	25	0	20.98	21.11	21.27			
5	64QAM	1	0	21.33	21.60	21.67			
5	64QAM	1	12	21.39	21.33	21.39			
5	64QAM	1	24	21.41	21.36	21.60			
5	64QAM	12	0	20.07	20.22	20.32			
5	64QAM	12	7	20.14	20.21	20.31	21.5	1.5	
5	64QAM	12	13	20.12	20.24	20.35			
5	64QAM	25	0	20.19	20.29	20.33			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1776.5			
3	QPSK	1	0	21.82	22.00	21.83	23	0	
3	QPSK	1	8	21.74	21.87	21.82			
3	QPSK	1	14	21.78	21.94	21.78			
3	QPSK	8	0	21.81	21.90	21.85			
3	QPSK	8	4	21.83	21.81	21.75			
3	QPSK	8	7	21.80	21.84	21.83			
3	QPSK	15	0	21.78	21.91	21.84	23	0	
3	16QAM	1	0	21.70	21.82	21.70			
3	16QAM	1	8	21.71	21.91	21.65			
3	16QAM	1	14	21.69	21.97	21.67			
3	16QAM	8	0	21.08	21.19	21.13			
3	16QAM	8	4	21.11	21.21	21.28			
3	16QAM	8	7	21.00	21.11	21.35	22.5	0.5	
3	16QAM	15	0	21.00	21.12	21.31			
3	64QAM	1	0	21.34	21.64	21.63			
3	64QAM	1	8	21.33	21.30	21.32			
3	64QAM	1	14	21.38	21.28	21.56			
3	64QAM	8	0	20.10	20.19	20.34			
3	64QAM	8	4	20.23	20.23	20.30	21.5	1.5	
3	64QAM	8	7	20.14	20.27	20.39			
3	64QAM	15	0	20.25	20.23	20.34			
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	21.84	21.91	21.78	23	0	
1.4	QPSK	1	3	21.74	21.86	21.77			
1.4	QPSK	1	5	21.78	21.88	21.72			
1.4	QPSK	3	0	21.80	21.95	21.77			
1.4	QPSK	3	1	21.80	21.83	21.71			
1.4	QPSK	3	3	21.85	21.90	21.71			
1.4	QPSK	6	0	21.92	21.84	21.75	23	0	
1.4	16QAM	1	0	21.83	21.80	21.80			
1.4	16QAM	1	3	21.80	21.77	21.84			
1.4	16QAM	1	5	21.84	21.89	21.78			
1.4	16QAM	3	0	21.82	21.78	21.76			
1.4	16QAM	3	1	21.76	21.96	21.70			
1.4	16QAM	3	3	21.79	21.95	21.71	22.5	0.5	
1.4	16QAM	3	3	21.00	21.07	21.32			
1.4	64QAM	1	0	21.35	21.56	21.59			
1.4	64QAM	1	3	21.40	21.36	21.35			
1.4	64QAM	1	5	21.42	21.37	21.51			
1.4	64QAM	3	0	21.22	21.43	21.46			
1.4	64QAM	3	1	21.33	21.28	21.37	22.5	0.5	
1.4	64QAM	3	3	21.38	21.29	21.37			
1.4	64QAM	3	5	20.18	20.28	20.32			
1.4	64QAM	3	7	20.19	20.29	20.37			
1.4	64QAM	5	0	20.18	20.28	20.37			
1.4	64QAM	5	0	20.18	20.28	20.37			

Reduced Power Mode for DS18										
Band 4_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20050	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	20.86	20.90	20.82	22	0		
20	QPSK	1	49	20.83	20.87	20.67				
20	QPSK	1	99	20.82	20.75	20.78				
20	QPSK	50	0	20.83	20.87	20.80				
20	QPSK	50	24	20.74	20.81	20.71	22	0		
20	QPSK	50	50	20.80	20.85	20.70				
20	QPSK	100	0	20.80	20.86	20.78				
20	16QAM	1	0	20.79	20.81	20.79				
20	16QAM	1	49	20.74	20.85	20.73	22	0		
20	16QAM	1	99	20.74	20.84	20.73				
20	16QAM	50	0	20.82	20.87	20.78				
20	16QAM	50	24	20.74	20.75	20.75				
20	16QAM	50	50	20.82	20.82	20.73	22	0		
20	16QAM	100	0	20.85	20.78	20.70				
20	64QAM	1	0	20.77	20.80	20.68				
20	64QAM	1	49	20.85	20.81	20.79				
20	64QAM	1	99	20.75	20.87	20.70	22	0		
20	64QAM	50	0	20.02	20.15	20.30				
20	64QAM	50	24	20.19	20.30	20.32				
20	64QAM	50	50	20.21	20.22	20.32				
20	64QAM	100	0	20.10	20.42	20.28				
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	20.78	20.78	20.69	22	0		
15	QPSK	1	37	20.88	20.78	20.57				
15	QPSK	1	74	20.80	20.83	20.75				
15	QPSK	36	0	20.81	20.82	20.74				
15	QPSK	36	20	20.65	20.69	20.57	22	0		
15	QPSK	36	39	20.77	20.77	20.57				
15	QPSK	75	0	20.67	20.78	20.74				
15	16QAM	1	0	20.70	20.68	20.78				
15	16QAM	1	37	20.84	20.76	20.69	22	0		
15	16QAM	1	74	20.68	20.71	20.68				
15	16QAM	36	0	20.78	20.72	20.75				
15	16QAM	36	20	20.61	20.64	20.71				
15	16QAM	36	39	20.80	20.78	20.63	22	0		
15	16QAM	75	0	20.74	20.77	20.69				
15	64QAM	1	0	20.70	20.68	20.67				
15	64QAM	1	37	20.70	20.79	20.74				
15	64QAM	1	74	20.66	20.81	20.67	21.5	0.5		
15	64QAM	36	0	19.91	20.06	20.25				
15	64QAM	36	20	20.04	20.19	20.18				
15	64QAM	36	39	20.11	20.11	20.18				
15	64QAM	75	0	19.98	20.28	20.18				
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	20.72	20.68	20.70	22	0		
10	QPSK	1	25	20.80	20.77	20.62				
10	QPSK	1	49	20.79	20.70	20.72				
10	QPSK	25	0	20.80	20.86	20.76				
10	QPSK	25	12	20.90	20.75	20.57	22	0		
10	QPSK	25	25	20.75	20.77	20.60				
10	QPSK	50	0	20.75	20.71	20.66				
10	16QAM	1	0	20.72	20.68	20.68				
10	16QAM	1	25	20.62	20.74	20.58	22	0		
10	16QAM	1	49	20.59	20.83	20.61				
10	16QAM	25	0	20.70	20.76	20.69				
10	16QAM	25	12	20.62	20.68	20.73				
10	16QAM	25	25	20.76	20.74	20.66	22	0		
10	16QAM	50	0	20.84	20.74	20.67				
10	64QAM	1	0	20.74	20.79	20.56				
10	64QAM	1	25	20.80	20.74	20.72				
10	64QAM	1	49	20.70	20.84	20.67	22	0		
10	64QAM	25	0	19.96	20.00	20.15				
10	64QAM	25	12	20.08	20.16	20.17				
10	64QAM	25	25	20.11	20.15	20.23				
10	64QAM	50	0	20.05	20.35	20.21				
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	20.83	20.86	20.74	22	0		
5	QPSK	1	12	20.70	20.75	20.61				
5	QPSK	1	24	20.68	20.60	20.73				
5	QPSK	12	0	20.77	20.79	20.70				
5	QPSK	12	7	20.66	20.79	20.62	22	0		
5	QPSK	12	13	20.70	20.84	20.57				
5	QPSK	25	0	20.74	20.78	20.67				
5	16QAM	1	0	20.70	20.69	20.66				
5	16QAM	1	12	20.70	20.83	20.68	22	0		
5	16QAM	1	24	20.59	20.82	20.67				
5	16QAM	12	0	20.70	20.72	20.67				
5	16QAM	12	7	20.59	20.71	20.66				
5	16QAM	12	13	20.71	20.80	20.71	22	0		
5	16QAM	25	0	20.71	20.76	20.67				
5	64QAM	1	0	20.76	20.74	20.55				
5	64QAM	1	12	20.78	20.67	20.75				
5	64QAM	1	24	20.73	20.85	20.63	21.5	0.5		
5	64QAM	12	0	19.93	20.10	20.20				
5	64QAM	12	7	20.14	20.20	20.17				
5	64QAM	12	13	20.16	20.10	20.26				
5	64QAM	25	0	19.97	20.25	20.18				
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1732.5	1753.5				
3	QPSK	1	0	20.84	20.89	20.80	22	0		
3	QPSK	1	8	20.74	20.76	20.56				
3	QPSK	1	14	20.89	20.69	20.77				
3	QPSK	8	0	20.68	20.74	20.75				
3	QPSK	8	4	20.67	20.68	20.66	22	0		
3	QPSK	8	7	20.73	20.73	20.68				
3	QPSK	15	0	20.75	20.82	20.67				
3	16QAM	1	0	20.64	20.67	20.67				
3	16QAM	1	8	20.60	20.80	20.64	22	0		
3	16QAM	1	14	20.70	20.82	20.61				
3	16QAM	8	0	20.74	20.72	20.74				
3	16QAM	8	4	20.64	20.62	20.60				
3	16QAM	8	7	20.75	20.68	20.61	22	0		
3	16QAM	15	0	20.80	20.70	20.69				
3	64QAM	1	0	20.70	20.75	20.64				
3	64QAM	1	8	20.71	20.77	20.77				
3	64QAM	1	14	20.72	20.84	20.62	21.5	0.5		
3	64QAM	8	0	19.97	20.03	20.16				
3	64QAM	8	4	20.13	20.21	20.25				
3	64QAM	8	7	20.08	20.08	20.21	21.5	0.5		
3	64QAM	15	0	19.95	20.34	20.25				
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	20.78	20.89	20.75	22	0		
1.4	QPSK	1	3	20.72	20.76	20.54				
1.4	QPSK	1	5	20.73	20.61	20.64				
1.4	QPSK	3	0	20.85	20.83	20.73				
1.4	QPSK	3	1	20.81	20.85	20.66	22	0		
1.4	QPSK	3	3	20.73	20.71	20.65				
1.4	QPSK	6	0	20.71	20.83	20.70				
1.4	QPSK	6	3	20.61	20.70	20.66				
1.4	16QAM	1	0	20.71	20.75	20.58	22	0		
1.4	16QAM	1	5	20.71	20.75	20.74				
1.4	16QAM	3	0	20.76	20.77	20.78				
1.4	16QAM	3	1	20.63	20.80	20.71				
1.4	16QAM	3	3	20.63	20.81	20.63	22	0		
1.4	16QAM	6	0	20.71	20.76	20.66				
1.4	64QAM	1	0	20.60	20.73	20.68				
1.4	64QAM	1	3	20.67	20.78	20.65				
1.4	64QAM	1	5	20.77	20.74	20.64	22	0		
1.4	64QAM	3	1	20.75	20.76	20.75				
1.4	64QAM	3	3	20.71	20.70	20.64				
1.4	64QAM	6	0	19.99	20.36	20.14				

Band 66_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				132072	132322	132572				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	20.93	21.02	20.97	22	0		
20	QPSK	1	49	20.92	20.97	20.90				
20	QPSK	1	99	20.92	20.88	20.87				
20	QPSK	50	0	20.89	21.00	20.95				
20	QPSK	50	24	20.84	20.97	20.92				
20	QPSK	50	50	20.83	20.93	20.95				
20	QPSK	100	0	20.85	20.97	20.91	22	0		
20	16QAM	1	0	20.85	20.93	20.92				
20	16QAM	1	49	20.90	20.92	20.86				
20	16QAM	1	99	20.90	21.00	20.85				
20	16QAM	50	0	20.78	20.97	20.82				
20	16QAM	50	24	20.84	20.96	20.87				
20	16QAM	50	50	20.87	20.92	20.90	22	0		
20	16QAM	100	0	20.88	21.00	20.82				
20	64QAM	1	0	20.81	20.99	20.93				
20	64QAM	1	49	20.89	20.99	20.93				
20	64QAM	1	99	20.84	21.01	20.85				
20	64QAM	50	0	20.20	20.42	20.30				
20	64QAM	50	24	20.28	20.41	20.35	21.5	0.5		
20	64QAM	50	50	20.23	20.46	20.35				
20	64QAM	100	0	20.30	20.44	20.35				
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	20.90	20.96	20.96	22	0		
15	QPSK	1	37	20.86	20.84	20.88				
15	QPSK	1	74	20.82	20.84	20.86				
15	QPSK	36	0	20.74	20.95	20.90				
15	QPSK	36	20	20.75	20.84	20.77				
15	QPSK	36	39	20.71	20.78	20.87				
15	QPSK	75	0	20.70	20.93	20.83	22	0		
15	16QAM	1	0	20.77	20.92	20.85				
15	16QAM	1	37	20.75	20.82	20.77				
15	16QAM	1	74	20.88	20.90	20.76				
15	16QAM	36	0	20.77	20.94	20.70				
15	16QAM	36	20	20.73	20.83	20.84				
15	16QAM	36	39	20.77	20.83	20.81	22	0		
15	16QAM	75	0	20.80	20.98	20.81				
15	64QAM	1	0	20.73	20.95	20.83				
15	64QAM	1	37	20.74	20.89	20.80				
15	64QAM	1	74	20.78	20.97	20.84				
15	64QAM	36	0	20.06	20.25	20.27				
15	64QAM	36	20	20.17	20.22	20.29	21.5	0.5		
15	64QAM	36	39	20.15	20.29	20.36				
15	64QAM	75	0	20.15	20.26	20.39				
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	20.80	20.95	20.85	22	0		
10	QPSK	1	25	20.79	20.88	20.89				
10	QPSK	1	49	20.89	20.80	20.80				
10	QPSK	25	0	20.76	20.87	20.83				
10	QPSK	25	12	20.79	20.95	20.87				
10	QPSK	25	25	20.77	20.78	20.88				
10	QPSK	50	0	20.70	20.95	20.80	22	0		
10	16QAM	1	0	20.82	20.83	20.79				
10	16QAM	1	25	20.79	20.79	20.85				
10	16QAM	1	49	20.84	20.93	20.73				
10	16QAM	25	0	20.67	20.85	20.71				
10	16QAM	25	12	20.75	20.82	20.83				
10	16QAM	25	25	20.78	20.85	20.79	22	0		
10	16QAM	50	0	20.77	20.94	20.77				
10	64QAM	1	0	20.67	20.91	20.90				
10	64QAM	1	25	20.86	20.88	20.90				
10	64QAM	1	49	20.79	20.91	20.72				
10	64QAM	25	0	20.12	20.24	20.35				
10	64QAM	25	12	20.20	20.21	20.26	21.5	0.5		
10	64QAM	25	25	20.14	20.28	20.36				
10	64QAM	50	0	20.16	20.20	20.34				
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	20.90	20.99	20.83	22	0		
5	QPSK	1	12	20.88	20.94	20.89				
5	QPSK	1	24	20.89	20.76	20.83				
5	QPSK	12	0	20.75	20.90	20.91				
5	QPSK	12	7	20.73	20.94	20.88				
5	QPSK	12	13	20.80	20.78	20.88				
5	QPSK	25	0	20.78	20.89	20.82	22	0		
5	16QAM	1	0	20.83	20.79	20.81				
5	16QAM	1	12	20.81	20.82	20.76				
5	16QAM	1	24	20.75	20.98	20.78				
5	16QAM	12	0	20.70	20.91	20.68				
5	16QAM	12	7	20.73	20.92	20.80				
5	16QAM	12	13	20.82	20.89	20.86	22	0		
5	16QAM	25	0	20.78	20.93	20.69				
5	64QAM	1	0	20.76	20.85	20.84				
5	64QAM	1	12	20.86	20.96	20.90				
5	64QAM	1	24	20.83	20.95	20.82				
5	64QAM	12	0	20.07	20.22	20.32				
5	64QAM	12	7	20.14	20.21	20.31	21.5	0.5		
5	64QAM	12	13	20.12	20.24	20.35				
5	64QAM	25	0	20.19	20.29	20.33				
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	20.91	20.98	20.88	22	0		
3	QPSK	1	8	20.77	20.93	20.88				
3	QPSK	1	14	20.91	20.81	20.76				
3	QPSK	8	0	20.88	20.96	20.94				
3	QPSK	8	4	20.81	20.86	20.79				
3	QPSK	8	7	20.76	20.86	20.80				
3	QPSK	15	0	20.83	20.86	20.77	22	0		
3	16QAM	1	0	20.71	20.81	20.90				
3	16QAM	1	8	20.75	20.79	20.71				
3	16QAM	1	14	20.84	20.87	20.76				
3	16QAM	8	0	20.65	20.85	20.67				
3	16QAM	8	4	20.80	20.85	20.83				
3	16QAM	8	7	20.75	20.84	20.80	22	0		
3	16QAM	15	0	20.78	20.89	20.74				
3	64QAM	1	0	20.72	20.92	20.80				
3	64QAM	1	8	20.79	20.98	20.78				
3	64QAM	1	14	20.81	20.98	20.83				
3	64QAM	8	0	20.10	20.19	20.34				
3	64QAM	8	4	20.23	20.23	20.30	21.5	0.5		
3	64QAM	8	7	20.14	20.27	20.36				
3	64QAM	15	0	20.25	20.23	20.34				
Channel				131979	132322	132669	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	20.92	20.91	20.95	22	0		
1.4	QPSK	1	3	20.78	20.94	20.85				
1.4	QPSK	1	5	20.88	20.80	20.85				
1.4	QPSK	3	0	20.92	20.87	20.91				
1.4	QPSK	3	1	20.77	20.84	20.85				
1.4	QPSK	3	3	20.86	20.85	20.75				
1.4	QPSK	6	0	20.83	20.93	20.88	22	0		
1.4	16QAM	1	0	20.81	20.84	20.87				
1.4	16QAM	1	3	20.75	20.91	20.92				
1.4	16QAM	1	5	20.78	20.85	20.78				
1.4	16QAM	3	0	20.77	20.81	20.78				
1.4	16QAM	3	1	20.86	20.77	20.71				
1.4	16QAM	3	3	20.75	20.93	20.77	22	0		
1.4	16QAM	6	0	20.74	20.91	20.80				
1.4	64QAM	1	0	20.72	20.87	20.84				
1.4	64QAM	1	3	20.75	20.83	20.76				
1.4	64QAM	1	5	20.73	20.98	20.71				
1.4	64QAM	3	0	20.78	20.98	20.85				
1.4	64QAM	3	1	20.83	20.92	20.81	22	0		
1.4	64QAM	3	3	20.76	20.96	20.83				
1.4	64QAM	5	0	20.18	20.28	20.37				
1.4	64QAM	5	3	20.19	20.29	20.31				
1.4	64QAM	5	5	20.19	20.29	20.31				
1.4	64QAM	5	7	20.19	20.29	20.31				

Reduced Power Mode for DS17

n66_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000	23.0	0.0
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	21.93	22.01	22.04		
30	PI/2 BPSK	1	39	21.93	22.06	22.01	23.0	0.0
30	PI/2 BPSK	1	76	21.97	22.03	21.94		
30	PI/2 BPSK	36	0	22.07	21.99	22.01		
30	PI/2 BPSK	36	21	21.98	22.02	22.06	23.0	0.0
30	PI/2 BPSK	36	42	21.97	21.97	21.90	23.0	0.0
30	PI/2 BPSK	75	0	22.04	21.95	22.01		
30	QPSK	1	1	22.05	22.10	22.02		
30	QPSK	1	39	22.00	22.07	21.92	23.0	0.0
30	QPSK	1	76	21.91	22.04	21.97		
30	QPSK	36	0	21.93	22.01	21.96		
30	QPSK	36	21	22.03	22.08	22.00	23.0	0.0
30	QPSK	36	42	21.85	22.07	21.98	23.0	0.0
30	QPSK	75	0	21.95	22.05	21.97		
30	16QAM	1	1	21.88	22.00	21.93	23.0	0.0
30	64QAM	1	1	20.65	20.79	20.66	22.0	1.0
30	256QAM	1	1	19.19	19.25	19.16	20.0	3.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	21.96	21.97	21.91	23.0	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	21.92	22.02	21.90	23.0	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	21.94	22.05	21.94	23.0	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	21.96	22.06	21.89	23.0	0.0

n48_Ant 6								
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				638000	641666	645332	21.0	0.0
Frequency (MHz)				3570	3624.99	3679.98		
40	PV2 BPSK	1	1	19.80	19.80	19.69	21.0	0.0
40	PV2 BPSK	1	53	19.87	19.88	19.73		
40	PV2 BPSK	1	104	19.88	19.88	19.75		
40	PV2 BPSK	50	0	19.86	19.93	19.76	21.0	0.0
40	PV2 BPSK	50	28	19.82	19.87	19.69	21.0	0.0
40	PV2 BPSK	50	56	19.82	19.84	19.78	21.0	0.0
40	PV2 BPSK	100	0	19.78	19.84	19.69		
40	QPSK	1	1	19.93	19.95	19.84	21.0	0.0
40	QPSK	1	53	19.85	19.82	19.80		
40	QPSK	1	104	19.88	19.93	19.69		
40	QPSK	50	0	19.81	19.84	19.77	21.0	0.0
40	QPSK	50	28	19.85	19.88	19.82		
40	QPSK	50	56	19.81	19.80	19.70		
40	QPSK	100	0	19.82	19.90	19.79	21.0	0.0
40	16QAM	1	1	19.92	19.92	19.72	21.0	0.0
40	64QAM	1	1	18.54	18.67	18.60	20.0	1.0
40	256QAM	1	1	17.55	17.58	17.52	18.0	3.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	19.79	19.86	19.73	21.0	0.0

Reduced Power Mode for DS18

n66_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PV2 BPSK	1	1	20.91	21.01	20.93	22.0	0.0
30	PV2 BPSK	1	39	20.93	20.94	20.85		
30	PV2 BPSK	1	76	20.96	21.02	20.87		
30	PV2 BPSK	36	0	20.95	20.93	20.85	22.0	0.0
30	PV2 BPSK	36	21	21.00	20.94	20.89	22.0	0.0
30	PV2 BPSK	36	42	20.98	21.01	20.77	22.0	0.0
30	PV2 BPSK	75	0	20.97	21.03	20.91		
30	QPSK	1	1	21.08	21.12	21.04		
30	QPSK	1	39	20.89	20.99	20.98	22.0	0.0
30	QPSK	1	76	20.94	20.92	20.87		
30	QPSK	36	0	21.00	21.06	20.94		
30	QPSK	36	21	21.05	21.10	20.97	22.0	0.0
30	QPSK	36	42	20.86	20.93	20.89	22.0	0.0
30	QPSK	75	0	20.96	20.98	20.92		
30	16QAM	1	1	20.96	21.00	20.87	22.0	0.0
30	64QAM	1	1	20.65	20.79	20.66	22.0	0.0
30	256QAM	1	1	19.19	19.25	19.16	20.0	2.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.95	21.10	21.03	22.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.03	21.09	21.03	22.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.07	21.04	20.99	22.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.93	21.08	20.96	22.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332	20.0	0.0
Frequency (MHz)				3570	3624.99	3679.98		
40	PV2 BPSK	1	1	18.75	18.73	18.80	20.0	0.0
40	PV2 BPSK	1	53	18.67	18.85	18.67		
40	PV2 BPSK	1	104	18.73	18.85	18.68		
40	PV2 BPSK	50	0	18.78	18.85	18.79	20.0	0.0
40	PV2 BPSK	50	28	18.79	18.87	18.73	20.0	0.0
40	PV2 BPSK	50	56	18.77	18.83	18.73	20.0	0.0
40	PV2 BPSK	100	0	18.70	18.74	18.72		
40	QPSK	1	1	18.80	18.88	18.82	20.0	0.0
40	QPSK	1	53	18.66	18.85	18.76		
40	QPSK	1	104	18.79	18.87	18.80		
40	QPSK	50	0	18.75	18.81	18.72	20.0	0.0
40	QPSK	50	28	18.78	18.83	18.80		
40	QPSK	50	56	18.72	18.81	18.77		
40	QPSK	100	0	18.71	18.77	18.76	20.0	0.0
40	16QAM	1	1	18.70	18.79	18.80	20.0	0.0
40	64QAM	1	1	18.54	18.67	18.60	20.0	0.0
40	256QAM	1	1	17.55	17.58	17.52	18.0	2.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.70	18.77	18.72	20.0	0.0