



3	QPSK	8	7	20.71	20.55	20.36		
3	QPSK	15	0	20.47	20.63	20.48		
3	16QAM	1	0	20.84	20.92	20.80	22	1
3	16QAM	1	8	20.76	20.81	21.01		
3	16QAM	1	14	21.00	20.77	20.95		
3	16QAM	8	0	19.75	19.66	19.41	21	2
3	16QAM	8	4	19.61	19.70	19.58		
3	16QAM	8	7	19.47	19.60	19.64		
3	16QAM	15	0	19.37	19.55	19.32		
3	64QAM	1	0	19.67	19.62	19.48	21	2
3	64QAM	1	8	19.52	19.50	19.41		
3	64QAM	1	14	19.46	19.43	19.45		
3	64QAM	8	0	18.77	18.47	18.46	20	3
3	64QAM	8	4	18.63	18.52	18.57		
3	64QAM	8	7	18.63	18.73	18.70		
3	64QAM	15	0	18.53	18.61	18.57		
3	256QAM	1	0	16.55	16.21	16.42		
3	256QAM	1	8	16.47	16.39	16.48	18	5
3	256QAM	1	14	16.32	16.32	16.59		
3	256QAM	8	0	16.61	16.53	16.34		
3	256QAM	8	4	16.28	16.30	16.50	18	5
3	256QAM	8	7	16.32	16.29	16.39		
3	256QAM	15	0	16.38	16.55	16.46		
Channel				26697	26865	27033		
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	21.25	21.52	21.38	23	0
1.4	QPSK	1	3	21.53	21.52	21.39		
1.4	QPSK	1	5	21.49	21.31	21.38		
1.4	QPSK	3	0	20.49	20.63	20.41		
1.4	QPSK	3	1	20.41	20.54	20.40		
1.4	QPSK	3	3	20.57	20.65	20.54		
1.4	QPSK	6	0	20.52	20.57	20.57	22	1
1.4	16QAM	1	0	20.85	20.93	20.95	22	1
1.4	16QAM	1	3	20.78	20.79	20.84		
1.4	16QAM	1	5	20.98	20.84	21.03		
1.4	16QAM	3	0	19.62	19.72	19.41		
1.4	16QAM	3	1	19.46	19.53	19.64		
1.4	16QAM	3	3	19.68	19.53	19.53		
1.4	16QAM	6	0	19.30	19.49	19.48	21	2
1.4	64QAM	1	0	19.52	19.63	19.41	21	2
1.4	64QAM	1	3	19.65	19.63	19.61		
1.4	64QAM	1	5	19.52	19.48	19.41		
1.4	64QAM	3	0	18.63	18.47	18.64		
1.4	64QAM	3	1	18.63	18.61	18.51		
1.4	64QAM	3	3	18.61	18.77	18.63		
1.4	64QAM	6	0	18.43	18.66	18.65	20	3
1.4	256QAM	1	0	16.46	16.18	16.46	18	5
1.4	256QAM	1	3	16.48	16.47	16.49		
1.4	256QAM	1	5	16.42	16.37	16.59		
1.4	256QAM	3	0	16.54	16.31	16.47		
1.4	256QAM	3	1	16.44	16.40	16.35		
1.4	256QAM	3	3	16.40	16.49	16.41		
1.4	256QAM	6	0	16.38	16.36	16.48	18	5



## Band 71 Ant 1 DSI4

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				133222	133322	133372		
Frequency (MHz)				673	683	688		
20	QPSK	1	0	21.72	21.87	21.73	23	0
20	QPSK	1	49	21.62	21.77	21.68		
20	QPSK	1	99	21.68	21.79	21.67		
20	QPSK	50	0	20.73	20.82	20.66	22	1
20	QPSK	50	24	20.77	20.73	20.78		
20	QPSK	50	50	20.75	20.65	20.77		
20	QPSK	100	0	20.82	20.96	20.65	22	1
20	16QAM	1	0	21.10	21.24	21.14		
20	16QAM	1	49	21.03	21.14	21.17		
20	16QAM	1	99	21.15	21.15	21.45	21	2
20	16QAM	50	0	19.96	19.77	19.87		
20	16QAM	50	24	19.86	19.90	19.84		
20	16QAM	50	50	19.81	19.76	19.86	20	3
20	16QAM	100	0	19.86	19.76	19.49		
20	64QAM	1	0	19.89	19.74	19.79		
20	64QAM	1	49	19.85	19.88	19.76	21	2
20	64QAM	1	99	19.88	19.98	19.75		
20	64QAM	50	0	18.81	18.90	18.86		
20	64QAM	50	24	18.80	18.95	18.84	18	5
20	64QAM	50	50	19.08	18.83	19.06		
20	64QAM	100	0	18.87	18.88	19.05		
20	256QAM	1	0	16.70	16.70	16.73	18	5
20	256QAM	1	49	16.76	16.73	16.77		
20	256QAM	1	99	16.68	16.71	16.88		
20	256QAM	50	0	16.84	16.66	16.89	18	5
20	256QAM	50	24	16.71	16.63	16.70		
20	256QAM	50	50	16.62	16.83	16.76		
20	256QAM	100	0	16.68	16.76	16.71		
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	21.52	21.80	21.79	23	0
15	QPSK	1	37	21.68	21.86	21.71		
15	QPSK	1	74	21.68	21.60	21.69		
15	QPSK	36	0	20.87	21.12	20.72	22	1
15	QPSK	36	20	20.74	20.93	20.69		
15	QPSK	36	39	20.93	20.84	20.79		
15	QPSK	75	0	20.66	20.91	20.75	22	1
15	16QAM	1	0	21.22	21.03	21.01		
15	16QAM	1	37	21.06	21.18	21.08		
15	16QAM	1	74	21.01	21.19	21.48	21	2
15	16QAM	36	0	19.88	19.79	19.90		
15	16QAM	36	20	19.95	19.91	19.87		
15	16QAM	36	39	19.75	19.66	19.80	21	2
15	16QAM	75	0	19.82	19.68	19.65		
15	64QAM	1	0	19.81	19.76	19.70		
15	64QAM	1	37	19.94	19.77	19.75	20	3
15	64QAM	1	74	19.69	19.76	19.68		
15	64QAM	36	0	18.80	18.80	18.80		
15	64QAM	36	20	18.87	18.80	18.81	20	3
15	64QAM	36	39	19.02	18.86	18.96		



15	64QAM	75	0	18.91	18.89	18.94		
15	256QAM	1	0	16.86	16.67	16.83	18	5
15	256QAM	1	37	16.77	16.76	16.60		
15	256QAM	1	74	16.68	16.75	16.93		
15	256QAM	36	0	16.68	16.70	16.69	18	5
15	256QAM	36	20	16.78	16.69	16.80		
15	256QAM	36	39	16.71	16.91	16.65		
15	256QAM	75	0	16.67	16.67	16.83		
Channel				133172	133272	133422	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	678	693		
10	QPSK	1	0	21.52	21.81	21.78	23	0
10	QPSK	1	25	21.70	21.66	21.79		
10	QPSK	1	49	21.74	21.64	21.64		
10	QPSK	25	0	20.91	20.93	20.83	22	1
10	QPSK	25	12	20.94	20.93	20.73		
10	QPSK	25	25	20.97	20.71	20.75		
10	QPSK	50	0	20.76	20.97	20.76		
10	16QAM	1	0	21.23	21.06	21.10	22	1
10	16QAM	1	25	20.93	21.23	21.07		
10	16QAM	1	49	21.14	21.00	21.35		
10	16QAM	25	0	19.99	19.76	19.70	21	2
10	16QAM	25	12	19.83	19.79	19.95		
10	16QAM	25	25	19.88	19.70	19.77		
10	16QAM	50	0	19.85	19.72	19.62		
10	64QAM	1	0	19.82	19.78	19.70	21	2
10	64QAM	1	25	19.97	19.94	19.79		
10	64QAM	1	49	19.82	19.83	19.71		
10	64QAM	25	0	19.02	18.86	18.91	20	3
10	64QAM	25	12	18.73	18.80	18.89		
10	64QAM	25	25	18.95	18.98	19.00		
10	64QAM	50	0	18.80	18.89	18.87		
10	256QAM	1	0	16.71	16.61	16.89	18	5
10	256QAM	1	25	16.74	16.67	16.70		
10	256QAM	1	49	16.66	16.73	16.96		
10	256QAM	25	0	16.76	16.77	16.79	18	5
10	256QAM	25	12	16.62	16.71	16.77		
10	256QAM	25	25	16.79	16.73	16.77		
10	256QAM	50	0	16.63	16.74	16.91		
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	675.5	695.5		
5	QPSK	1	0	21.72	21.77	21.84	23	0
5	QPSK	1	12	21.77	21.81	21.71		
5	QPSK	1	24	21.64	21.55	21.67		
5	QPSK	12	0	20.96	21.09	20.69	22	1
5	QPSK	12	7	20.88	20.75	20.63		
5	QPSK	12	13	21.07	20.82	20.94		
5	QPSK	25	0	20.68	20.78	20.76		
5	16QAM	1	0	21.05	21.10	21.09	22	1
5	16QAM	1	12	21.04	21.19	21.16		
5	16QAM	1	24	21.19	20.96	21.46		
5	16QAM	12	0	19.98	19.82	19.69	21	2
5	16QAM	12	7	19.84	19.99	19.96		
5	16QAM	12	13	19.71	19.72	19.66		
5	16QAM	25	0	19.81	19.66	19.55		
5	64QAM	1	0	19.74	19.80	19.85	21	2



5	64QAM	1	12	19.93	19.87	19.75		
5	64QAM	1	24	19.87	19.75	19.82		
5	64QAM	12	0	18.81	18.95	18.72		
5	64QAM	12	7	18.77	18.98	18.79	20	3
5	64QAM	12	13	18.99	18.99	18.90		
5	64QAM	25	0	18.74	18.81	18.93		
5	256QAM	1	0	16.86	16.61	16.69	18	5
5	256QAM	1	12	16.84	16.65	16.65		
5	256QAM	1	24	16.82	16.69	16.88		
5	256QAM	12	0	16.84	16.72	16.83	18	5
5	256QAM	12	7	16.67	16.84	16.65		
5	256QAM	12	13	16.68	16.85	16.63		
5	256QAM	25	0	16.74	16.73	16.81		

### Reduced Power Mode for DSI 5

## Band 5 Ant 0 DSI5

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				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.74	22.84	22.79	24	0
10	QPSK	1	25	22.79	22.78	22.81		
10	QPSK	1	49	22.80	22.83	22.74		
10	QPSK	25	0	21.87	22.04	21.83	23	1
10	QPSK	25	12	21.93	21.85	21.85		
10	QPSK	25	25	22.02	21.89	21.90		
10	QPSK	50	0	21.85	21.96	21.90	23	1
10	16QAM	1	0	22.22	22.21	22.23		
10	16QAM	1	25	22.15	22.25	22.28		
10	16QAM	1	49	22.24	22.23	22.42	22	2
10	16QAM	25	0	21.03	20.95	20.84		
10	16QAM	25	12	20.91	20.92	20.98		
10	16QAM	25	25	20.94	20.88	20.90	22	2
10	16QAM	50	0	20.84	20.90	20.75		
10	64QAM	1	0	20.92	20.94	20.87		
10	64QAM	1	25	20.95	20.89	20.86	22	2
10	64QAM	1	49	20.84	20.90	20.89		
10	64QAM	25	0	20.08	19.97	19.88		
10	64QAM	25	12	19.94	19.92	19.98	21	3
10	64QAM	25	25	20.10	20.05	19.99		
10	64QAM	50	0	19.86	20.00	20.00		
10	256QAM	1	0	17.83	17.69	17.82	19	5
10	256QAM	1	25	17.91	17.85	17.79		
10	256QAM	1	49	17.77	17.79	17.91		
10	256QAM	25	0	17.91	17.74	17.87	19	5
10	256QAM	25	12	17.81	17.80	17.75		
10	256QAM	25	25	17.82	17.83	17.82		
10	256QAM	50	0	17.79	17.85	17.83		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	22.54	22.62	22.56	24	0
5	QPSK	1	12	22.54	22.65	22.65		
5	QPSK	1	24	22.56	22.66	22.56		
5	QPSK	12	0	21.71	21.88	21.69	23	1
5	QPSK	12	7	21.75	21.72	21.65		



5	QPSK	12	13	21.83	21.72	21.73		
5	QPSK	25	0	21.60	21.72	21.76		
5	16QAM	1	0	22.08	22.05	21.98	23	1
5	16QAM	1	12	21.98	22.02	22.13		
5	16QAM	1	24	22.03	22.04	22.21	22	2
5	16QAM	12	0	20.90	20.75	20.65		
5	16QAM	12	7	20.72	20.76	20.85		
5	16QAM	12	13	20.81	20.77	20.78		
5	16QAM	25	0	20.68	20.77	20.60		
5	64QAM	1	0	20.78	20.83	20.63	22	2
5	64QAM	1	12	20.70	20.70	20.73		
5	64QAM	1	24	20.68	20.67	20.77		
5	64QAM	12	0	19.91	19.84	19.66	21	3
5	64QAM	12	7	19.78	19.73	19.75		
5	64QAM	12	13	19.89	19.92	19.78		
5	64QAM	25	0	19.68	19.77	19.76		
5	256QAM	1	0	17.62	17.47	17.59	19	5
5	256QAM	1	12	17.72	17.67	17.65		
5	256QAM	1	24	17.66	17.56	17.79		
5	256QAM	12	0	17.73	17.50	17.63	19	5
5	256QAM	12	7	17.71	17.65	17.64		
5	256QAM	12	13	17.61	17.62	17.65		
5	256QAM	25	0	17.66	17.62	17.62		
Channel				20415	20525	20635		
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	22.60	22.67	22.59	24	0
3	QPSK	1	8	22.56	22.57	22.62		
3	QPSK	1	14	22.61	22.62	22.63		
3	QPSK	8	0	21.75	21.91	21.60	23	1
3	QPSK	8	4	21.82	21.71	21.73		
3	QPSK	8	7	21.86	21.69	21.74		
3	QPSK	15	0	21.61	21.72	21.76		
3	16QAM	1	0	22.09	22.09	22.00	23	1
3	16QAM	1	8	21.94	22.09	22.10		
3	16QAM	1	14	22.01	21.99	22.26		
3	16QAM	8	0	20.81	20.80	20.61	22	2
3	16QAM	8	4	20.71	20.73	20.87		
3	16QAM	8	7	20.83	20.74	20.74		
3	16QAM	15	0	20.66	20.78	20.56		
3	64QAM	1	0	20.76	20.69	20.69		
3	64QAM	1	8	20.85	20.65	20.61	22	2
3	64QAM	1	14	20.62	20.73	20.72		
3	64QAM	8	0	19.97	19.84	19.64		
3	64QAM	8	4	19.69	19.79	19.77	21	3
3	64QAM	8	7	19.86	19.93	19.77		
3	64QAM	15	0	19.64	19.83	19.88		
3	256QAM	1	0	17.62	17.53	17.71		
3	256QAM	1	8	17.81	17.71	17.56	19	5
3	256QAM	1	14	17.58	17.66	17.77		
3	256QAM	8	0	17.67	17.49	17.62		
3	256QAM	8	4	17.66	17.65	17.62	19	5
3	256QAM	8	7	17.62	17.70	17.64		
3	256QAM	8	0	17.55	17.65	17.59		
3	256QAM	15	0	17.55	17.65	17.59		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		



1.4	QPSK	1	0	22.47	22.61	22.43	24	0
1.4	QPSK	1	3	22.56	22.52	22.40		
1.4	QPSK	1	5	22.60	22.44	22.47		
1.4	QPSK	3	0	22.44	22.64	22.45		
1.4	QPSK	3	1	22.46	22.60	22.50		
1.4	QPSK	3	3	22.44	22.51	22.45	23	1
1.4	QPSK	6	0	21.43	21.47	21.48		
1.4	16QAM	1	0	21.62	21.42	21.46	23	1
1.4	16QAM	1	3	21.80	21.70	21.78		
1.4	16QAM	1	5	21.40	21.60	21.73		
1.4	16QAM	3	0	22.04	22.08	21.98		
1.4	16QAM	3	1	21.96	21.91	22.00		
1.4	16QAM	3	3	21.84	22.05	22.15	22	2
1.4	16QAM	6	0	20.57	20.58	20.69		
1.4	64QAM	1	0	20.69	20.51	20.77	22	2
1.4	64QAM	1	3	20.64	20.61	20.66		
1.4	64QAM	1	5	20.51	20.46	20.48		
1.4	64QAM	3	0	20.51	20.57	20.65		
1.4	64QAM	3	1	20.69	20.51	20.76		
1.4	64QAM	3	3	20.61	20.63	20.65	21	3
1.4	64QAM	6	0	20.36	20.51	20.51		
1.4	256QAM	1	0	17.64	17.53	17.52	19	5
1.4	256QAM	1	3	17.58	17.53	17.44		
1.4	256QAM	1	5	17.55	17.53	17.47		
1.4	256QAM	3	0	17.71	17.58	17.40		
1.4	256QAM	3	1	17.51	17.49	17.46		
1.4	256QAM	3	3	17.59	17.50	17.59	19	5
1.4	256QAM	6	0	17.50	17.57	17.65		

### Band 13 Ant 0 DSI5

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				23230				
Frequency (MHz)				782				
10	QPSK	1	0		22.78		24	0
10	QPSK	1	25		22.68			
10	QPSK	1	49		22.77			
10	QPSK	25	0		22.03		23	1
10	QPSK	25	12		21.81			
10	QPSK	25	25		21.87			
10	QPSK	50	0		21.94		23	1
10	16QAM	1	0		22.14			
10	16QAM	1	25		22.21			
10	16QAM	1	49		22.23		22	2
10	16QAM	25	0		20.82			
10	16QAM	25	12		20.81			
10	16QAM	25	25		20.85		22	2
10	16QAM	50	0		20.81			
10	64QAM	1	0		20.86			
10	64QAM	1	25		20.89		22	2
10	64QAM	1	49		20.89			
10	64QAM	25	0		19.94			
10	64QAM	25	12		19.85			
10	64QAM	25	25		19.93			
10	64QAM	50	0		19.97			



10	256QAM	1	0		17.66		19	5
10	256QAM	1	25		17.80			
10	256QAM	1	49		17.69			
10	256QAM	25	0		17.67		19	5
10	256QAM	25	12		17.73			
10	256QAM	25	25		17.69			
10	256QAM	50	0		17.80			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	22.60	22.67	22.60	24	0
5	QPSK	1	12	22.55	22.55	22.59		
5	QPSK	1	24	22.67	22.64	22.63		
5	QPSK	12	0	21.67	21.93	21.65	23	1
5	QPSK	12	7	21.83	21.66	21.72		
5	QPSK	12	13	21.82	21.77	21.73		
5	QPSK	25	0	21.73	21.81	21.70		
5	16QAM	1	0	22.11	22.07	22.12	23	1
5	16QAM	1	12	21.96	22.14	22.15		
5	16QAM	1	24	22.08	22.05	22.18		
5	16QAM	12	0	20.82	20.85	20.65	22	2
5	16QAM	12	7	20.72	20.76	20.78		
5	16QAM	12	13	20.82	20.67	20.71		
5	16QAM	25	0	20.66	20.76	20.58		
5	64QAM	1	0	20.74	20.82	20.62	22	2
5	64QAM	1	12	20.80	20.74	20.70		
5	64QAM	1	24	20.72	20.70	20.74		
5	64QAM	12	0	19.93	19.73	19.64	21	3
5	64QAM	12	7	19.80	19.71	19.75		
5	64QAM	12	13	19.87	19.92	19.78		
5	64QAM	25	0	19.66	19.82	19.80		
5	256QAM	1	0	17.58	17.56	17.72	19	5
5	256QAM	1	12	17.78	17.67	17.68		
5	256QAM	1	24	17.63	17.69	17.78		
5	256QAM	12	0	17.80	17.51	17.75	19	5
5	256QAM	12	7	17.63	17.65	17.64		
5	256QAM	12	13	17.59	17.60	17.69		
5	256QAM	25	0	17.65	17.65	17.66		

### Band 17 Ant 0 DSI5

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				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	22.70	22.75	22.68	24	0
10	QPSK	1	25	22.69	22.65	22.67		
10	QPSK	1	49	22.73	22.73	22.61		
10	QPSK	25	0	21.76	21.94	21.69	23	1
10	QPSK	25	12	21.90	21.83	21.83		
10	QPSK	25	25	21.66	21.74	21.84		
10	QPSK	50	0	21.80	21.91	21.89		
10	16QAM	1	0	22.19	22.16	22.10	23	1
10	16QAM	1	25	22.00	22.20	22.15		
10	16QAM	1	49	22.18	22.11	22.33		
10	16QAM	25	0	20.91	20.92	20.71	22	2
10	16QAM	25	12	20.79	20.89	20.83		



10	16QAM	25	25	20.90	20.79	20.83		
10	16QAM	50	0	20.71	20.84	20.62		
10	64QAM	1	0	20.89	20.83	20.80	22	2
10	64QAM	1	25	20.84	20.82	20.77		
10	64QAM	1	49	20.80	20.80	20.81		
10	64QAM	25	0	20.07	19.90	19.80	21	3
10	64QAM	25	12	19.88	19.77	19.94		
10	64QAM	25	25	19.98	19.93	19.89		
10	64QAM	50	0	19.83	19.97	19.95		
10	256QAM	1	0	17.76	17.54	17.74	19	5
10	256QAM	1	25	17.78	17.83	17.72		
10	256QAM	1	49	17.65	17.76	17.81		
10	256QAM	25	0	17.84	17.61	17.78	19	5
10	256QAM	25	12	17.68	17.78	17.75		
10	256QAM	25	25	17.71	17.79	17.68		
10	256QAM	50	0	17.77	17.83	17.78		
Channel				23755	23790	23825		
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	22.63	22.69	22.66	24	0
5	QPSK	1	12	22.65	22.59	22.65		
5	QPSK	1	24	22.67	22.59	22.63		
5	QPSK	12	0	21.73	21.85	21.65	23	1
5	QPSK	12	7	21.75	21.63	21.61		
5	QPSK	12	13	21.89	21.67	21.67		
5	QPSK	25	0	21.61	21.84	21.79		
5	16QAM	1	0	21.97	22.02	22.12	23	1
5	16QAM	1	12	21.96	22.07	22.17		
5	16QAM	1	24	22.09	22.02	22.32		
5	16QAM	12	0	20.79	20.77	20.63	22	2
5	16QAM	12	7	20.75	20.73	20.82		
5	16QAM	12	13	20.70	20.65	20.72		
5	16QAM	25	0	20.60	20.66	20.57		
5	64QAM	1	0	20.74	20.75	20.64		
5	64QAM	1	12	20.71	20.70	20.64	22	2
5	64QAM	1	24	20.66	20.66	20.76		
5	64QAM	12	0	19.89	19.85	19.77		
5	64QAM	12	7	19.77	19.75	19.88	21	3
5	64QAM	12	13	19.91	19.81	19.83		
5	64QAM	25	0	19.69	19.84	19.80		
5	256QAM	1	0	17.73	17.51	17.71		
5	256QAM	1	12	17.74	17.63	17.65	19	5
5	256QAM	1	24	17.55	17.60	17.75		
5	256QAM	12	0	17.69	17.61	17.63		
5	256QAM	12	7	17.68	17.63	17.54	19	5
5	256QAM	12	13	17.62	17.70	17.63		
5	256QAM	25	0	17.64	17.65	17.71		
5	256QAM	25	0	17.64	17.65	17.71		

### Band 26 for FCC Ant 0 DSI5

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				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.84	23.04	22.89	24	0
15	QPSK	1	37	22.97	22.91	22.96		
15	QPSK	1	74	22.99	22.93	22.84		





15	QPSK	36	0	22.06	22.24	21.89	23	1
15	QPSK	36	20	22.00	22.05	21.94		
15	QPSK	36	39	22.20	22.09	21.97		
15	QPSK	75	0	22.04	22.14	21.99	23	1
15	16QAM	1	0	22.40	22.34	22.41		
15	16QAM	1	37	22.33	22.36	22.45		
15	16QAM	1	74	22.43	22.36	22.48	22	2
15	16QAM	36	0	21.23	21.14	20.95		
15	16QAM	36	20	21.04	21.09	21.12		
15	16QAM	36	39	21.09	21.05	21.07	22	2
15	16QAM	75	0	20.91	21.04	20.87		
15	64QAM	1	0	21.09	21.11	20.93		
15	64QAM	1	37	21.11	21.05	21.01	21	3
15	64QAM	1	74	20.99	20.98	21.04		
15	64QAM	36	0	20.22	20.06	20.06		
15	64QAM	36	20	20.06	20.06	20.11	19	5
15	64QAM	36	39	20.18	20.18	20.14		
15	64QAM	75	0	19.95	20.11	20.09		
15	256QAM	1	0	17.94	17.76	17.98	19	5
15	256QAM	1	37	18.02	17.99	17.96		
15	256QAM	1	74	17.82	17.84	18.08		
15	256QAM	36	0	18.11	17.93	17.94	19	5
15	256QAM	36	20	17.91	17.86	17.94		
15	256QAM	36	39	17.92	17.89	17.90		
15	256QAM	75	0	17.93	17.97	17.96	Tune-up limit (dBm)	MPR (dB)
Channel				26740	26865	26990		
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	22.68	22.74	22.73	24	0
10	QPSK	1	25	22.69	22.68	22.71		
10	QPSK	1	49	22.80	22.82	22.62		
10	QPSK	25	0	21.84	21.93	21.70	23	1
10	QPSK	25	12	21.90	21.85	21.81		
10	QPSK	25	25	21.93	21.85	21.81		
10	QPSK	50	0	21.80	21.82	21.77	23	1
10	16QAM	1	0	22.12	22.06	22.23		
10	16QAM	1	25	22.09	22.23	22.18		
10	16QAM	1	49	22.11	22.15	22.36	22	2
10	16QAM	25	0	20.93	20.80	20.73		
10	16QAM	25	12	20.91	20.77	20.85		
10	16QAM	25	25	20.85	20.81	20.81	22	2
10	16QAM	50	0	20.80	20.75	20.67		
10	64QAM	1	0	20.86	20.88	20.78		
10	64QAM	1	25	20.94	20.89	20.82	21	3
10	64QAM	1	49	20.73	20.84	20.75		
10	64QAM	25	0	20.00	19.96	19.83		
10	64QAM	25	12	19.93	19.88	19.90	19	5
10	64QAM	25	25	19.97	19.93	19.91		
10	64QAM	50	0	19.77	19.93	19.93		
10	256QAM	1	0	17.78	17.66	17.68	19	5
10	256QAM	1	25	17.80	17.78	17.73		
10	256QAM	1	49	17.71	17.72	17.88		
10	256QAM	25	0	17.83	17.70	17.84	19	5
10	256QAM	25	12	17.72	17.76	17.66		
10	256QAM	25	25	17.77	17.73	17.70		
10	256QAM	50	0	17.64	17.74	17.74	Tune-up	MPR
Channel				26715	26865	27015		



Frequency (MHz)				816.5	831.5	846.5	limit (dBm)	(dB)
5	QPSK	1	0	22.63	22.80	22.65	24	0
5	QPSK	1	12	22.70	22.69	22.78		
5	QPSK	1	24	22.76	22.73	22.64		
5	QPSK	12	0	21.74	21.96	21.78	23	1
5	QPSK	12	7	21.90	21.78	21.78		
5	QPSK	12	13	22.00	21.85	21.84		
5	QPSK	25	0	21.78	21.84	21.90		
5	16QAM	1	0	22.20	22.21	22.12	23	1
5	16QAM	1	12	22.08	22.21	22.14		
5	16QAM	1	24	22.18	22.22	22.35		
5	16QAM	12	0	21.02	20.81	20.71	22	2
5	16QAM	12	7	20.79	20.82	20.95		
5	16QAM	12	13	20.85	20.79	20.89		
5	16QAM	25	0	20.83	20.76	20.61		
5	64QAM	1	0	20.81	20.90	20.79		
5	64QAM	1	12	20.81	20.88	20.79	22	2
5	64QAM	1	24	20.78	20.83	20.83		
5	64QAM	12	0	20.05	19.95	19.80	21	3
5	64QAM	12	7	19.86	19.86	19.91		
5	64QAM	12	13	19.99	19.91	19.91		
5	64QAM	25	0	19.83	19.95	19.99		
5	256QAM	1	0	17.80	17.66	17.76	19	5
5	256QAM	1	12	17.90	17.85	17.75		
5	256QAM	1	24	17.66	17.67	17.83		
5	256QAM	12	0	17.85	17.71	17.78	19	5
5	256QAM	12	7	17.68	17.67	17.65		
5	256QAM	12	13	17.71	17.75	17.68		
5	256QAM	25	0	17.65	17.84	17.70		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	22.61	22.82	22.70	24	0
3	QPSK	1	8	22.68	22.67	22.75		
3	QPSK	1	14	22.77	22.68	22.69		
3	QPSK	8	0	21.79	22.03	21.74	23	1
3	QPSK	8	4	21.89	21.80	21.82		
3	QPSK	8	7	21.90	21.86	21.79		
3	QPSK	15	0	21.79	21.87	21.86		
3	16QAM	1	0	22.22	22.10	22.08	23	1
3	16QAM	1	8	22.07	22.22	22.21		
3	16QAM	1	14	22.10	22.15	22.40		
3	16QAM	8	0	21.01	20.87	20.79	22	2
3	16QAM	8	4	20.80	20.80	20.91		
3	16QAM	8	7	20.79	20.77	20.81		
3	16QAM	15	0	20.83	20.80	20.60		
3	64QAM	1	0	20.81	20.88	20.77	22	2
3	64QAM	1	8	20.93	20.75	20.84		
3	64QAM	1	14	20.80	20.79	20.77		
3	64QAM	8	0	19.96	19.93	19.83	21	3
3	64QAM	8	4	19.82	19.81	19.90		
3	64QAM	8	7	19.98	19.97	19.93		
3	64QAM	15	0	19.72	19.98	19.95		
3	256QAM	1	0	17.74	17.67	17.76	19	5
3	256QAM	1	8	17.79	17.77	17.65		
3	256QAM	1	14	17.63	17.73	17.82		



3	256QAM	8	0	17.90	17.72	17.83	19	5
3	256QAM	8	4	17.69	17.65	17.74		
3	256QAM	8	7	17.81	17.73	17.74		
3	256QAM	15	0	17.72	17.76	17.70		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	22.71	22.76	22.67	24	0
1.4	QPSK	1	3	22.81	22.71	22.61		
1.4	QPSK	1	5	22.84	22.67	22.69		
1.4	QPSK	3	0	22.60	22.83	22.61		
1.4	QPSK	3	1	22.65	22.75	22.68		
1.4	QPSK	3	3	22.63	22.66	22.69	23	1
1.4	16QAM	1	0	21.84	21.66	21.69	23	1
1.4	16QAM	1	3	22.02	21.92	21.97		
1.4	16QAM	1	5	21.63	21.75	21.89		
1.4	16QAM	3	0	22.28	22.29	22.20		
1.4	16QAM	3	1	22.20	22.07	22.19		
1.4	16QAM	3	3	22.06	22.28	22.37	22	2
1.4	16QAM	6	0	20.75	20.78	20.87	22	2
1.4	64QAM	1	0	20.87	20.75	20.93		
1.4	64QAM	1	3	20.81	20.80	20.83		
1.4	64QAM	1	5	20.69	20.63	20.63		
1.4	64QAM	3	0	20.75	20.78	20.87		
1.4	64QAM	3	1	20.87	20.75	20.93	21	3
1.4	64QAM	3	3	20.81	20.80	20.83		
1.4	64QAM	6	0	20.57	20.71	20.66		
1.4	256QAM	1	0	17.86	17.76	17.70		
1.4	256QAM	1	3	17.77	17.72	17.64		
1.4	256QAM	1	5	17.74	17.77	17.67	19	5
1.4	256QAM	3	0	17.93	17.74	17.63		
1.4	256QAM	3	1	17.72	17.65	17.63		
1.4	256QAM	3	3	17.77	17.75	17.78		
1.4	256QAM	6	0	17.69	17.80	17.89		

### Band 71 Ant 0 DSI5

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				133222	133322	133372		
Frequency (MHz)				673	683	688		
20	QPSK	1	0	22.82	22.98	22.96	24	0
20	QPSK	1	49	22.90	22.97	22.96		
20	QPSK	1	99	22.91	22.89	22.90		
20	QPSK	50	0	22.07	22.22	21.94	23	1
20	QPSK	50	24	22.05	22.04	21.96		
20	QPSK	50	50	22.21	21.98	22.08		
20	QPSK	100	0	21.92	22.07	21.97	23	1
20	16QAM	1	0	22.38	22.36	22.34		
20	16QAM	1	49	22.21	22.43	22.35		
20	16QAM	1	99	22.31	22.29	22.60	22	2
20	16QAM	50	0	21.10	21.05	21.01		
20	16QAM	50	24	21.06	21.10	21.06		
20	16QAM	50	50	21.04	20.99	20.97		
20	16QAM	100	0	21.00	20.95	20.81		
20	64QAM	1	0	21.01	21.06	20.95	22	2



20	64QAM	1	49	21.08	21.06	21.05		
20	64QAM	1	99	21.01	21.08	20.97		
20	64QAM	50	0	20.13	20.12	20.06	21	3
20	64QAM	50	24	20.02	20.09	20.09		
20	64QAM	50	50	20.25	20.12	20.17		
20	64QAM	100	0	20.05	20.11	20.18		
20	256QAM	1	0	18.02	17.86	18.00	19	5
20	256QAM	1	49	18.01	17.91	17.89		
20	256QAM	1	99	17.96	17.92	18.08		
20	256QAM	50	0	17.96	17.91	18.00	19	5
20	256QAM	50	24	17.89	17.96	17.92		
20	256QAM	50	50	17.96	18.02	17.96		
20	256QAM	100	0	17.92	17.97	18.01		
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	22.73	22.69	22.75	24	0
15	QPSK	1	37	22.65	22.66	22.79		
15	QPSK	1	74	22.75	22.72	22.68		
15	QPSK	36	0	21.86	21.99	21.71	23	1
15	QPSK	36	20	21.88	21.84	21.72		
15	QPSK	36	39	21.92	21.84	21.85		
15	QPSK	75	0	21.81	21.83	21.86		
15	16QAM	1	0	22.16	22.12	22.19	23	1
15	16QAM	1	37	22.08	22.15	22.15		
15	16QAM	1	74	22.13	22.08	22.32		
15	16QAM	36	0	20.96	20.85	20.79	22	2
15	16QAM	36	20	20.77	20.78	20.84		
15	16QAM	36	39	20.92	20.86	20.77		
15	16QAM	75	0	20.75	20.76	20.62		
15	64QAM	1	0	20.82	20.80	20.86	22	2
15	64QAM	1	37	20.92	20.88	20.75		
15	64QAM	1	74	20.78	20.84	20.86		
15	64QAM	36	0	20.04	19.87	19.78	21	3
15	64QAM	36	20	19.79	19.78	19.91		
15	64QAM	36	39	19.97	19.91	19.89		
15	64QAM	75	0	19.74	19.90	20.00		
15	256QAM	1	0	17.75	17.68	17.74	19	5
15	256QAM	1	37	17.82	17.79	17.69		
15	256QAM	1	74	17.68	17.73	17.77		
15	256QAM	36	0	17.85	17.65	17.76	19	5
15	256QAM	36	20	17.80	17.73	17.62		
15	256QAM	36	39	17.68	17.70	17.72		
15	256QAM	75	0	17.70	17.78	17.82		
Channel				133172	133272	133422	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	678	693		
10	QPSK	1	0	22.74	22.77	22.73	24	0
10	QPSK	1	25	22.69	22.71	22.77		
10	QPSK	1	49	22.69	22.73	22.64		
10	QPSK	25	0	21.79	21.94	21.75	23	1
10	QPSK	25	12	21.79	21.77	21.72		
10	QPSK	25	25	22.02	21.78	21.86		
10	QPSK	50	0	21.84	21.92	21.84		
10	16QAM	1	0	22.08	22.13	22.17	23	1
10	16QAM	1	25	22.10	22.20	22.26		
10	16QAM	1	49	22.23	22.23	22.40		



10	16QAM	25	0	20.99	20.89	20.69	22	2
10	16QAM	25	12	20.78	20.86	20.95		
10	16QAM	25	25	20.85	20.79	20.79		
10	16QAM	50	0	20.79	20.78	20.72		
10	64QAM	1	0	20.85	20.83	20.87	22	2
10	64QAM	1	25	20.85	20.75	20.75		
10	64QAM	1	49	20.77	20.86	20.83		
10	64QAM	25	0	20.03	19.86	19.81	21	3
10	64QAM	25	12	19.89	19.86	19.97		
10	64QAM	25	25	20.04	19.93	19.93		
10	64QAM	50	0	19.86	19.98	19.99		
10	256QAM	1	0	17.80	17.67	17.73	19	5
10	256QAM	1	25	17.86	17.82	17.65		
10	256QAM	1	49	17.65	17.77	17.89		
10	256QAM	25	0	17.85	17.73	17.72	19	5
10	256QAM	25	12	17.71	17.77	17.69		
10	256QAM	25	25	17.81	17.83	17.70		
10	256QAM	50	0	17.68	17.83	17.71		
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	675.5	695.5		
5	QPSK	1	0	22.70	22.78	22.75	24	0
5	QPSK	1	12	22.71	22.74	22.73		
5	QPSK	1	24	22.69	22.73	22.62		
5	QPSK	12	0	21.82	22.01	21.78	23	1
5	QPSK	12	7	21.85	21.82	21.79		
5	QPSK	12	13	22.01	21.84	21.89		
5	QPSK	25	0	21.75	21.82	21.87		
5	16QAM	1	0	22.20	22.15	22.14	23	1
5	16QAM	1	12	22.04	22.20	22.19		
5	16QAM	1	24	22.21	22.16	22.41		
5	16QAM	12	0	21.02	20.80	20.80	22	2
5	16QAM	12	7	20.89	20.90	20.86		
5	16QAM	12	13	20.88	20.73	20.79		
5	16QAM	25	0	20.77	20.77	20.67		
5	64QAM	1	0	20.85	20.93	20.85	22	2
5	64QAM	1	12	20.91	20.75	20.72		
5	64QAM	1	24	20.78	20.89	20.75		
5	64QAM	12	0	20.02	19.88	19.86	21	3
5	64QAM	12	7	19.83	19.84	19.88		
5	64QAM	12	13	20.03	20.02	19.95		
5	64QAM	25	0	19.73	19.89	19.87		
5	256QAM	1	0	17.70	17.64	17.79	19	5
5	256QAM	1	12	17.82	17.72	17.70		
5	256QAM	1	24	17.77	17.78	17.81		
5	256QAM	12	0	17.82	17.72	17.80	19	5
5	256QAM	12	7	17.69	17.67	17.69		
5	256QAM	12	13	17.71	17.82	17.71		
5	256QAM	25	0	17.78	17.82	17.76		

## Band 2 Ant 2 DSI5

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	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	21.05	21.15	21.10	22.3	0



20	QPSK	1	49	21.10	21.09	21.12		0		
20	QPSK	1	99	21.11	21.14	21.05				
20	QPSK	50	0	20.84	20.96	20.76				
20	QPSK	50	24	20.93	20.80	20.81				
20	QPSK	50	50	20.76	20.87	20.81				
20	QPSK	100	0	20.46	20.57	20.51	22.3	0		
20	16QAM	1	0	20.53	20.52	20.54				
20	16QAM	1	49	20.46	20.56	20.59				
20	16QAM	1	99	20.55	20.54	20.73	22.3	0		
20	16QAM	50	0	21.03	20.95	20.84				
20	16QAM	50	24	20.91	20.92	20.98				
20	16QAM	50	50	20.94	20.88	20.90				
20	16QAM	100	0	20.84	20.90	20.75				
20	64QAM	1	0	20.92	20.94	20.87	22	0.3		
20	64QAM	1	49	20.95	20.89	20.86				
20	64QAM	1	99	20.84	20.90	20.89				
20	64QAM	50	0	20.08	19.97	19.88	21	1.3		
20	64QAM	50	24	19.94	19.92	19.98				
20	64QAM	50	50	20.10	20.05	19.99				
20	64QAM	100	0	19.86	20.00	20.00				
20	256QAM	1	0	17.83	17.69	17.82				
20	256QAM	1	49	17.91	17.85	17.79	19	3.3		
20	256QAM	1	99	17.77	17.79	17.91				
20	256QAM	50	0	17.91	17.74	17.87				
20	256QAM	50	24	17.81	17.80	17.75	19	3.3		
20	256QAM	50	50	17.82	17.83	17.82				
20	256QAM	100	0	17.79	17.85	17.83				
Channel				18675	18900	19125			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	20.92	21.00	21.01	22.3	0		
15	QPSK	1	37	20.99	21.01	21.02				
15	QPSK	1	74	20.99	21.09	20.92				
15	QPSK	36	0	20.75	20.90	20.65	22.3	0		
15	QPSK	36	20	20.84	20.67	20.68				
15	QPSK	36	39	20.64	20.81	20.76				
15	QPSK	75	0	20.36	20.50	20.39				
15	16QAM	1	0	20.46	20.46	20.46				
15	16QAM	1	37	20.34	20.50	20.48	22.3	0		
15	16QAM	1	74	20.45	20.43	20.65				
15	16QAM	36	0	20.97	20.84	20.74				
15	16QAM	36	20	20.85	20.83	20.92	22	0.3		
15	16QAM	36	39	20.86	20.82	20.84				
15	16QAM	75	0	20.76	20.78	20.68				
15	64QAM	1	0	20.84	20.86	20.75				
15	64QAM	1	37	20.84	20.83	20.76				
15	64QAM	1	74	20.79	20.82	20.80	22	0.3		
15	64QAM	36	0	19.94	19.88	19.81				
15	64QAM	36	20	19.83	19.84	19.93				
15	64QAM	36	39	20.01	19.98	19.90				
15	64QAM	75	0	19.72	19.92	19.91				
15	256QAM	1	0	17.71	17.63	17.69	19	3.3		
15	256QAM	1	37	17.84	17.78	17.70				
15	256QAM	1	74	17.71	17.66	17.79				
15	256QAM	36	0	17.84	17.66	17.81				
15	256QAM	36	20	17.71	17.72	17.64				
15	256QAM	36	39	17.72	17.75	17.69	19	3.3		



15	256QAM	75	0	17.70	17.78	17.69		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	20.91	21.07	21.00	22.3	0
10	QPSK	1	25	20.99	21.01	21.01		
10	QPSK	1	49	21.00	20.99	20.91		
10	QPSK	25	0	20.70	20.87	20.69	22.3	0
10	QPSK	25	12	20.81	20.66	20.74		
10	QPSK	25	25	20.68	20.77	20.70		
10	QPSK	50	0	20.31	20.50	20.38	22.3	0
10	16QAM	1	0	20.41	20.45	20.49		
10	16QAM	1	25	20.31	20.47	20.46		
10	16QAM	1	49	20.43	20.39	20.59	22	0.3
10	16QAM	25	0	20.93	20.85	20.78		
10	16QAM	25	12	20.79	20.79	20.87		
10	16QAM	25	25	20.83	20.78	20.85	22	0.3
10	16QAM	50	0	20.70	20.80	20.63		
10	64QAM	1	0	20.85	20.85	20.77		
10	64QAM	1	25	20.81	20.74	20.73	21	1.3
10	64QAM	1	49	20.73	20.79	20.76		
10	64QAM	25	0	19.97	19.91	19.73		
10	64QAM	25	12	19.88	19.85	19.91	19	3.3
10	64QAM	25	25	20.02	19.92	19.88		
10	64QAM	50	0	19.77	19.89	19.94		
10	256QAM	1	0	17.73	17.62	17.76	19	3.3
10	256QAM	1	25	17.79	17.72	17.72		
10	256QAM	1	49	17.64	17.74	17.81		
10	256QAM	25	0	17.81	17.61	17.81	19	3.3
10	256QAM	25	12	17.71	17.65	17.60		
10	256QAM	25	25	17.69	17.74	17.70		
10	256QAM	50	0	17.74	17.70	17.71		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	20.90	21.07	21.00	22.3	0
5	QPSK	1	12	21.03	21.00	21.03		
5	QPSK	1	24	21.00	21.05	20.97		
5	QPSK	12	0	20.71	20.86	20.63	22.3	0
5	QPSK	12	7	20.85	20.72	20.76		
5	QPSK	12	13	20.70	20.78	20.76		
5	QPSK	25	0	20.38	20.50	20.37	22.3	0
5	16QAM	1	0	20.46	20.44	20.46		
5	16QAM	1	12	20.33	20.46	20.52		
5	16QAM	1	24	20.48	20.44	20.61	22	0.3
5	16QAM	12	0	20.90	20.84	20.79		
5	16QAM	12	7	20.79	20.82	20.91		
5	16QAM	12	13	20.83	20.74	20.82	22	0.3
5	16QAM	25	0	20.78	20.77	20.63		
5	64QAM	1	0	20.80	20.86	20.78		
5	64QAM	1	12	20.86	20.80	20.75	21	1.3
5	64QAM	1	24	20.71	20.85	20.79		
5	64QAM	12	0	20.01	19.87	19.74		
5	64QAM	12	7	19.80	19.85	19.90	19	3.3
5	64QAM	12	13	20.03	19.96	19.86		
5	64QAM	25	0	19.74	19.93	19.92		
5	256QAM	1	0	17.72	17.57	17.74		



5	256QAM	1	12	17.76	17.71	17.67	19	3.3
5	256QAM	1	24	17.64	17.67	17.84		
5	256QAM	12	0	17.77	17.61	17.79		
5	256QAM	12	7	17.70	17.69	17.64		
5	256QAM	12	13	17.77	17.74	17.71		
5	256QAM	25	0	17.71	17.78	17.74		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	20.93	21.03	20.97	22.3	0
3	QPSK	1	8	20.99	20.96	21.01		
3	QPSK	1	14	20.98	21.09	21.00		
3	QPSK	8	0	20.74	20.89	20.68	22.3	0
3	QPSK	8	4	20.79	20.67	20.69		
3	QPSK	8	7	20.70	20.80	20.72		
3	QPSK	15	0	20.37	20.43	20.40		
3	16QAM	1	0	20.45	20.39	20.40	22.3	0
3	16QAM	1	8	20.32	20.44	20.51		
3	16QAM	1	14	20.45	20.43	20.68		
3	16QAM	8	0	20.90	20.90	20.74	22	0.3
3	16QAM	8	4	20.84	20.84	20.83		
3	16QAM	8	7	20.80	20.75	20.80		
3	16QAM	15	0	20.75	20.75	20.62		
3	64QAM	1	0	20.84	20.89	20.79	22	0.3
3	64QAM	1	8	20.82	20.83	20.77		
3	64QAM	1	14	20.70	20.81	20.82		
3	64QAM	8	0	19.98	19.86	19.79	21	1.3
3	64QAM	8	4	19.82	19.85	19.93		
3	64QAM	8	7	20.03	19.95	19.85		
3	64QAM	15	0	19.76	19.94	19.94		
3	256QAM	1	0	17.74	17.56	17.69	19	3.3
3	256QAM	1	8	17.81	17.76	17.73		
3	256QAM	1	14	17.69	17.70	17.86		
3	256QAM	8	0	17.84	17.68	17.82	19	3.3
3	256QAM	8	4	17.71	17.70	17.60		
3	256QAM	8	7	17.71	17.72	17.77		
3	256QAM	15	0	17.69	17.71	17.77		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	20.74	20.92	20.79	22.3	0
1.4	QPSK	1	3	20.95	20.73	20.74		
1.4	QPSK	1	5	20.74	20.80	20.76		
1.4	QPSK	3	0	20.83	20.84	20.72		
1.4	QPSK	3	1	20.64	20.66	20.49		
1.4	QPSK	3	3	20.67	20.53	20.56		
1.4	QPSK	6	0	20.67	20.69	20.54	22.3	0
1.4	16QAM	1	0	20.60	20.44	20.49	22.3	0
1.4	16QAM	1	3	20.69	20.62	20.73		
1.4	16QAM	1	5	20.41	20.45	20.56		
1.4	16QAM	3	0	20.37	20.44	20.40		
1.4	16QAM	3	1	20.44	20.43	20.38		
1.4	16QAM	3	3	20.40	20.39	20.40		
1.4	16QAM	6	0	20.62	20.73	20.59	22	0.3
1.4	64QAM	1	0	20.65	20.48	20.67	22	0.3
1.4	64QAM	1	3	20.58	20.49	20.61		
1.4	64QAM	1	5	20.35	20.38	20.35		





1.4	64QAM	3	0	20.56	20.61	20.72		
1.4	64QAM	3	1	20.69	20.57	20.60		
1.4	64QAM	3	3	20.54	20.50	20.51		
1.4	64QAM	6	0	20.30	20.46	20.42	21	1.3
1.4	256QAM	1	0	17.63	17.59	17.52		
1.4	256QAM	1	3	17.60	17.37	17.51		
1.4	256QAM	1	5	17.43	17.42	17.54		
1.4	256QAM	3	0	17.61	17.46	17.50	19	3.3
1.4	256QAM	3	1	17.43	17.28	17.38		
1.4	256QAM	3	3	17.62	17.54	17.51		
1.4	256QAM	6	0	17.46	17.63	17.59	19	3.3

### Band 4 Ant 2 DSI5

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	20.90	21.04	20.97		
20	QPSK	1	49	20.96	20.89	20.90	22.4	0
20	QPSK	1	99	20.86	20.98	20.89		
20	QPSK	50	0	20.69	20.85	20.58		
20	QPSK	50	24	20.72	20.66	20.67	22.4	0
20	QPSK	50	50	20.86	20.81	20.68		
20	QPSK	100	0	20.73	20.77	20.66		
20	16QAM	1	0	21.09	20.99	21.05		
20	16QAM	1	49	21.01	21.08	21.10	22.4	0
20	16QAM	1	99	21.07	21.04	21.18		
20	16QAM	50	0	20.80	20.80	20.65		
20	16QAM	50	24	20.78	20.71	20.75	22	0.4
20	16QAM	50	50	20.79	20.67	20.68		
20	16QAM	100	0	20.65	20.69	20.53		
20	64QAM	1	0	20.66	20.75	20.68		
20	64QAM	1	49	20.73	20.73	20.57	22	0.4
20	64QAM	1	99	20.74	20.69	20.72		
20	64QAM	50	0	19.78	19.80	19.73		
20	64QAM	50	24	19.83	19.65	19.74	21	1.4
20	64QAM	50	50	19.95	19.85	19.79		
20	64QAM	100	0	19.70	19.91	19.75		
20	256QAM	1	0	17.61	17.53	17.54		
20	256QAM	1	49	17.68	17.76	17.55	19	3.4
20	256QAM	1	99	17.63	17.53	17.76		
20	256QAM	50	0	17.70	17.49	17.68		
20	256QAM	50	24	17.65	17.54	17.60	19	3.4
20	256QAM	50	50	17.70	17.61	17.68		
20	256QAM	100	0	17.56	17.64	17.60		
Channel				20025	20175	20325		
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.90	21.12	20.94		
15	QPSK	1	37	20.94	20.95	20.85	22.4	0
15	QPSK	1	74	20.99	21.02	20.85		
15	QPSK	36	0	20.70	20.82	20.55		
15	QPSK	36	20	20.64	20.65	20.66	22.4	0
15	QPSK	36	39	20.83	20.71	20.73		
15	QPSK	75	0	20.74	20.75	20.73		
15	16QAM	1	0	21.04	20.94	21.01	22.4	0



15	16QAM	1	37	20.99	21.04	20.98		
15	16QAM	1	74	21.00	21.09	21.27		
15	16QAM	36	0	20.91	20.77	20.60	22	0.4
15	16QAM	36	20	20.72	20.74	20.75		
15	16QAM	36	39	20.70	20.62	20.63		
15	16QAM	75	0	20.73	20.73	20.51		
15	64QAM	1	0	20.69	20.78	20.70		
15	64QAM	1	37	20.79	20.68	20.59	22	0.4
15	64QAM	1	74	20.65	20.68	20.66		
15	64QAM	36	0	19.82	19.78	19.71		
15	64QAM	36	20	19.75	19.72	19.83	21	1.4
15	64QAM	36	39	19.97	19.91	19.79		
15	64QAM	75	0	19.67	19.80	19.75		
15	256QAM	1	0	17.67	17.45	17.61	19	3.4
15	256QAM	1	37	17.76	17.74	17.65		
15	256QAM	1	74	17.60	17.50	17.76		
15	256QAM	36	0	17.79	17.46	17.65	19	3.4
15	256QAM	36	20	17.60	17.61	17.58		
15	256QAM	36	39	17.72	17.63	17.62		
15	256QAM	75	0	17.66	17.64	17.61		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.90	21.08	20.90	22.4	0
10	QPSK	1	25	20.98	20.93	20.96		
10	QPSK	1	49	21.00	20.93	20.84		
10	QPSK	25	0	20.71	20.86	20.56	22.4	0
10	QPSK	25	12	20.66	20.62	20.67		
10	QPSK	25	25	20.76	20.80	20.78		
10	QPSK	50	0	20.72	20.71	20.66		
10	16QAM	1	0	21.14	21.03	21.05	22.4	0
10	16QAM	1	25	21.00	21.05	21.03		
10	16QAM	1	49	21.05	21.07	21.24		
10	16QAM	25	0	20.91	20.75	20.61	22	0.4
10	16QAM	25	12	20.76	20.67	20.79		
10	16QAM	25	25	20.69	20.69	20.60		
10	16QAM	50	0	20.64	20.66	20.49		
10	64QAM	1	0	20.68	20.75	20.73	22	0.4
10	64QAM	1	25	20.74	20.64	20.68		
10	64QAM	1	49	20.71	20.65	20.59		
10	64QAM	25	0	19.81	19.86	19.63	21	1.4
10	64QAM	25	12	19.72	19.71	19.76		
10	64QAM	25	25	19.88	19.83	19.81		
10	64QAM	50	0	19.65	19.93	19.82		
10	256QAM	1	0	17.61	17.49	17.55	19	3.4
10	256QAM	1	25	17.66	17.67	17.62		
10	256QAM	1	49	17.57	17.61	17.75		
10	256QAM	25	0	17.77	17.46	17.62	19	3.4
10	256QAM	25	12	17.58	17.68	17.62		
10	256QAM	25	25	17.65	17.63	17.72		
10	256QAM	50	0	17.56	17.70	17.59		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.93	21.07	20.97	22.4	0
5	QPSK	1	12	20.93	20.88	20.85		
5	QPSK	1	24	20.97	21.02	20.85		



5	QPSK	12	0	20.75	20.75	20.59	22.4	0
5	QPSK	12	7	20.69	20.64	20.63		
5	QPSK	12	13	20.76	20.78	20.68		
5	QPSK	25	0	20.66	20.83	20.71	22.4	0
5	16QAM	1	0	21.07	20.98	20.99		
5	16QAM	1	12	20.94	21.11	21.09		
5	16QAM	1	24	21.03	21.02	21.26	22	0.4
5	16QAM	12	0	20.84	20.75	20.60		
5	16QAM	12	7	20.72	20.64	20.85		
5	16QAM	12	13	20.75	20.65	20.65	22	0.4
5	16QAM	25	0	20.72	20.78	20.53		
5	64QAM	1	0	20.68	20.71	20.64		
5	64QAM	1	12	20.81	20.64	20.57	21	1.4
5	64QAM	1	24	20.74	20.69	20.69		
5	64QAM	12	0	19.86	19.81	19.66		
5	64QAM	12	7	19.77	19.65	19.71	19	3.4
5	64QAM	12	13	19.93	19.94	19.79		
5	64QAM	25	0	19.76	19.81	19.73		
5	256QAM	1	0	17.55	17.47	17.60	19	3.4
5	256QAM	1	12	17.75	17.76	17.56		
5	256QAM	1	24	17.64	17.54	17.79		
5	256QAM	12	0	17.79	17.48	17.70	19	3.4
5	256QAM	12	7	17.63	17.59	17.61		
5	256QAM	12	13	17.65	17.58	17.73		
5	256QAM	25	0	17.65	17.71	17.68	Tune-up limit (dBm)	MPR (dB)
Channel				19965	20175	20385		
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.84	21.05	20.91	22.4	0
3	QPSK	1	8	20.99	20.91	20.99		
3	QPSK	1	14	20.92	20.96	20.84		
3	QPSK	8	0	20.77	20.77	20.64	22.4	0
3	QPSK	8	4	20.72	20.66	20.62		
3	QPSK	8	7	20.76	20.80	20.69		
3	QPSK	15	0	20.73	20.72	20.64	22.4	0
3	16QAM	1	0	21.05	20.97	20.98		
3	16QAM	1	8	20.96	21.03	21.05		
3	16QAM	1	14	21.08	21.12	21.22	22	0.4
3	16QAM	8	0	20.83	20.73	20.58		
3	16QAM	8	4	20.71	20.65	20.79		
3	16QAM	8	7	20.73	20.65	20.60	22	0.4
3	16QAM	15	0	20.74	20.69	20.58		
3	64QAM	1	0	20.76	20.68	20.71		
3	64QAM	1	8	20.85	20.70	20.59	21	1.4
3	64QAM	1	14	20.75	20.74	20.70		
3	64QAM	8	0	19.88	19.80	19.68		
3	64QAM	8	4	19.82	19.71	19.72	19	3.4
3	64QAM	8	7	19.98	19.86	19.79		
3	64QAM	15	0	19.75	19.89	19.73		
3	256QAM	1	0	17.68	17.53	17.61	19	3.4
3	256QAM	1	8	17.79	17.67	17.66		
3	256QAM	1	14	17.59	17.60	17.72		
3	256QAM	8	0	17.72	17.53	17.63	19	3.4
3	256QAM	8	4	17.53	17.56	17.64		
3	256QAM	8	7	17.68	17.59	17.64		
3	256QAM	8	0	17.64	17.68	17.65	Tune-up	MPR
Channel				19957	20175	20393		



Frequency (MHz)				1710.7	1732.5	1754.3	limit (dBm)	(dB)
1.4	QPSK	1	0	20.84	21.01	20.85	22.4	0
1.4	QPSK	1	3	21.03	20.84	20.87		
1.4	QPSK	1	5	20.84	20.89	20.88		
1.4	QPSK	3	0	20.92	20.96	20.84		
1.4	QPSK	3	1	20.77	20.77	20.64		
1.4	QPSK	3	3	20.72	20.66	20.62		
1.4	QPSK	6	0	20.76	20.80	20.69	22.4	0
1.4	16QAM	1	0	20.68	20.49	20.62	22.4	0
1.4	16QAM	1	3	20.83	20.68	20.84		
1.4	16QAM	1	5	20.54	20.55	20.70		
1.4	16QAM	3	0	20.42	20.52	20.46		
1.4	16QAM	3	1	20.56	20.51	20.45		
1.4	16QAM	3	3	20.54	20.47	20.50		
1.4	16QAM	6	0	20.72	20.81	20.70	22	0.4
1.4	64QAM	1	0	20.76	20.61	20.72	22	0.4
1.4	64QAM	1	3	20.70	20.57	20.69		
1.4	64QAM	1	5	20.48	20.51	20.49		
1.4	64QAM	3	0	20.64	20.72	20.79		
1.4	64QAM	3	1	20.77	20.63	20.66		
1.4	64QAM	3	3	20.62	20.59	20.58		
1.4	64QAM	6	0	20.43	20.59	20.56	21	1.4
1.4	256QAM	1	0	17.78	17.67	17.62	19	3.4
1.4	256QAM	1	3	17.75	17.46	17.57		
1.4	256QAM	1	5	17.56	17.53	17.65		
1.4	256QAM	3	0	17.69	17.51	17.57		
1.4	256QAM	3	1	17.50	17.41	17.52		
1.4	256QAM	3	3	17.68	17.63	17.59		
1.4	256QAM	6	0	17.55	17.74	17.71	19	3.4

### Band 66 Ant 2 DSI5

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	22.4	0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	20.97	21.18	21.02	22.4	0
20	QPSK	1	49	21.05	20.99	21.01		
20	QPSK	1	99	21.02	21.05	20.93		
20	QPSK	50	0	20.82	20.90	20.70	22.4	0
20	QPSK	50	24	20.78	20.71	20.78		
20	QPSK	50	50	20.88	20.83	20.81		
20	QPSK	100	0	20.77	20.86	20.79	22.4	0
20	16QAM	1	0	21.17	21.08	21.10		
20	16QAM	1	49	21.04	21.15	21.14		
20	16QAM	1	99	21.11	21.17	21.33	22	0.4
20	16QAM	50	0	20.94	20.83	20.71		
20	16QAM	50	24	20.81	20.79	20.89		
20	16QAM	50	50	20.82	20.73	20.75	22	0.4
20	16QAM	100	0	20.78	20.80	20.62		
20	16QAM	100	0	20.78	20.80	20.62		
20	64QAM	1	0	20.80	20.83	20.77	22	0.4
20	64QAM	1	49	20.87	20.80	20.72		
20	64QAM	1	99	20.78	20.81	20.74		
20	64QAM	50	0	19.93	19.91	19.76	21	1.4
20	64QAM	50	24	19.85	19.78	19.86		



20	64QAM	50	50	20.01	19.99	19.87		
20	64QAM	100	0	19.80	19.95	19.87		
20	256QAM	1	0	17.70	17.58	17.70	19	3.4
20	256QAM	1	49	17.81	17.79	17.70		
20	256QAM	1	99	17.69	17.64	17.83		
20	256QAM	50	0	17.83	17.61	17.76	19	3.4
20	256QAM	50	24	17.69	17.70	17.67		
20	256QAM	50	50	17.77	17.70	17.76		
20	256QAM	100	0	17.69	17.73	17.72		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	21.01	21.07	21.05	22.4	0
15	QPSK	1	37	21.02	21.06	21.06		
15	QPSK	1	74	21.01	21.02	20.94		
15	QPSK	36	0	20.82	20.95	20.72	22.4	0
15	QPSK	36	20	20.81	20.78	20.73		
15	QPSK	36	39	20.95	20.75	20.75		
15	QPSK	75	0	20.70	20.84	20.77		
15	16QAM	1	0	21.11	21.16	21.15	22.4	0
15	16QAM	1	37	21.09	21.18	21.14		
15	16QAM	1	74	21.11	21.14	21.32		
15	16QAM	36	0	20.97	20.84	20.70	22	0.4
15	16QAM	36	20	20.83	20.86	20.90		
15	16QAM	36	39	20.81	20.74	20.84		
15	16QAM	75	0	20.70	20.79	20.65		
15	64QAM	1	0	20.79	20.85	20.77	22	0.4
15	64QAM	1	37	20.85	20.80	20.71		
15	64QAM	1	74	20.75	20.79	20.74		
15	64QAM	36	0	19.94	19.91	19.76	21	1.4
15	64QAM	36	20	19.89	19.80	19.90		
15	64QAM	36	39	20.01	19.98	19.92		
15	64QAM	75	0	19.75	19.93	19.87		
15	256QAM	1	0	17.77	17.55	17.71	19	3.4
15	256QAM	1	37	17.80	17.79	17.68		
15	256QAM	1	74	17.69	17.66	17.78		
15	256QAM	36	0	17.81	17.65	17.82	19	3.4
15	256QAM	36	20	17.73	17.69	17.65		
15	256QAM	36	39	17.72	17.69	17.76		
15	256QAM	75	0	17.70	17.72	17.75		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.94	21.08	21.07	22.4	0
10	QPSK	1	25	21.04	20.99	21.08		
10	QPSK	1	49	20.99	21.05	21.00		
10	QPSK	25	0	20.81	20.94	20.77	22.4	0
10	QPSK	25	12	20.86	20.72	20.76		
10	QPSK	25	25	20.97	20.78	20.78		
10	QPSK	50	0	20.75	20.89	20.84		
10	16QAM	1	0	21.12	21.06	21.09	22.4	0
10	16QAM	1	25	21.06	21.17	21.23		
10	16QAM	1	49	21.17	21.12	21.33		
10	16QAM	25	0	20.94	20.82	20.71	22	0.4
10	16QAM	25	12	20.77	20.81	20.93		
10	16QAM	25	25	20.85	20.73	20.76		
10	16QAM	50	0	20.75	20.78	20.66		



10	64QAM	1	0	20.78	20.81	20.74	22	0.4
10	64QAM	1	25	20.85	20.81	20.81		
10	64QAM	1	49	20.72	20.78	20.81		
10	64QAM	25	0	20.03	19.85	19.75	21	1.4
10	64QAM	25	12	19.82	19.82	19.85		
10	64QAM	25	25	20.03	19.93	19.92		
10	64QAM	50	0	19.80	19.87	19.90	19	3.4
10	256QAM	1	0	17.77	17.62	17.71		
10	256QAM	1	25	17.78	17.73	17.69		
10	256QAM	1	49	17.63	17.66	17.85	19	3.4
10	256QAM	25	0	17.77	17.63	17.78		
10	256QAM	25	12	17.75	17.75	17.67		
10	256QAM	25	25	17.73	17.73	17.74		
10	256QAM	50	0	17.71	17.78	17.76		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	20.95	21.04	21.03	22.4	0
5	QPSK	1	12	21.05	20.98	21.02		
5	QPSK	1	24	21.01	21.06	20.94		
5	QPSK	12	0	20.75	20.98	20.68	22.4	0
5	QPSK	12	7	20.82	20.78	20.77		
5	QPSK	12	13	20.93	20.80	20.80		
5	QPSK	25	0	20.79	20.88	20.80	22.4	0
5	16QAM	1	0	21.13	21.09	21.16		
5	16QAM	1	12	21.01	21.14	21.21		
5	16QAM	1	24	21.10	21.13	21.34	22	0.4
5	16QAM	12	0	20.90	20.86	20.70		
5	16QAM	12	7	20.80	20.80	20.86		
5	16QAM	12	13	20.86	20.75	20.85	22	0.4
5	16QAM	25	0	20.71	20.82	20.68		
5	64QAM	1	0	20.78	20.82	20.77		
5	64QAM	1	12	20.82	20.78	20.80	22	0.4
5	64QAM	1	24	20.77	20.84	20.84		
5	64QAM	12	0	19.96	19.91	19.80		
5	64QAM	12	7	19.80	19.77	19.86	21	1.4
5	64QAM	12	13	20.04	19.98	19.89		
5	64QAM	25	0	19.73	19.92	19.94		
5	256QAM	1	0	17.76	17.59	17.71	19	3.4
5	256QAM	1	12	17.85	17.76	17.65		
5	256QAM	1	24	17.65	17.72	17.79		
5	256QAM	12	0	17.80	17.61	17.74	19	3.4
5	256QAM	12	7	17.71	17.65	17.62		
5	256QAM	12	13	17.70	17.69	17.70		
5	256QAM	25	0	17.65	17.73	17.69		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	20.94	21.03	21.00	22.4	0
3	QPSK	1	8	21.00	20.96	21.02		
3	QPSK	1	14	21.00	21.03	21.01		
3	QPSK	8	0	20.72	20.89	20.71	22.4	0
3	QPSK	8	4	20.88	20.73	20.70		
3	QPSK	8	7	20.92	20.79	20.81		
3	QPSK	15	0	20.75	20.82	20.82	22.4	0
3	16QAM	1	0	21.15	21.12	21.10		
3	16QAM	1	8	21.07	21.12	21.19		



3	16QAM	1	14	21.12	21.12	21.33		
3	16QAM	8	0	20.96	20.88	20.76	22	0.4
3	16QAM	8	4	20.82	20.81	20.86		
3	16QAM	8	7	20.86	20.82	20.83		
3	16QAM	15	0	20.72	20.78	20.70		
3	64QAM	1	0	20.85	20.86	20.75	22	0.4
3	64QAM	1	8	20.83	20.76	20.76		
3	64QAM	1	14	20.75	20.84	20.74		
3	64QAM	8	0	19.98	19.84	19.81	21	1.4
3	64QAM	8	4	19.83	19.79	19.91		
3	64QAM	8	7	19.96	19.91	19.87		
3	64QAM	15	0	19.73	19.90	19.92		
3	256QAM	1	0	17.69	17.62	17.72	19	3.4
3	256QAM	1	8	17.79	17.79	17.68		
3	256QAM	1	14	17.63	17.71	17.84		
3	256QAM	8	0	17.81	17.65	17.80	19	3.4
3	256QAM	8	4	17.67	17.66	17.68		
3	256QAM	8	7	17.73	17.75	17.74		
3	256QAM	15	0	17.68	17.73	17.75		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	20.93	21.10	20.91	22.4	0
1.4	QPSK	1	3	21.06	21.00	21.02		
1.4	QPSK	1	5	20.99	20.97	21.04		
1.4	QPSK	3	0	20.72	20.89	20.71		
1.4	QPSK	3	1	20.88	20.73	20.70		
1.4	QPSK	3	3	20.92	20.79	20.81		
1.4	QPSK	6	0	20.75	20.82	20.82	22.4	0
1.4	16QAM	1	0	20.76	20.62	20.69	22.4	0
1.4	16QAM	1	3	20.87	20.80	20.90		
1.4	16QAM	1	5	20.59	20.70	20.83		
1.4	16QAM	3	0	20.47	20.59	20.56		
1.4	16QAM	3	1	20.41	20.41	20.58		
1.4	16QAM	3	3	20.59	20.57	20.57		
1.4	16QAM	6	0	20.81	20.83	20.75	22	0.4
1.4	64QAM	1	0	20.78	20.74	20.82	22	0.4
1.4	64QAM	1	3	20.83	20.71	20.81		
1.4	64QAM	1	5	20.60	20.64	20.59		
1.4	64QAM	3	0	20.77	20.80	20.85		
1.4	64QAM	3	1	20.84	20.74	20.78		
1.4	64QAM	3	3	20.70	20.62	20.60		
1.4	64QAM	6	0	20.55	20.65	20.69	21	1.4
1.4	256QAM	1	0	17.82	17.70	17.67	19	3.4
1.4	256QAM	1	3	17.78	17.61	17.67		
1.4	256QAM	1	5	17.68	17.63	17.68		
1.4	256QAM	3	0	17.80	17.59	17.71		
1.4	256QAM	3	1	17.63	17.55	17.58		
1.4	256QAM	3	3	17.74	17.76	17.72		
1.4	256QAM	6	0	17.71	17.79	17.82	19	3.4

## Band 4 Ant 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		



20	QPSK	1	0	22.58	22.82	22.54	24	0		
20	QPSK	1	49	22.56	22.51	22.67				
20	QPSK	1	99	22.50	22.59	22.47				
20	QPSK	50	0	21.71	21.87	21.59	23	1		
20	QPSK	50	24	21.69	21.68	21.55				
20	QPSK	50	50	21.72	21.68	21.67				
20	QPSK	100	0	21.53	21.83	21.75	23	1		
20	16QAM	1	0	22.02	22.08	22.04				
20	16QAM	1	49	21.85	21.91	22.01				
20	16QAM	1	99	22.02	21.95	22.19	22	2		
20	16QAM	50	0	20.66	20.82	20.60				
20	16QAM	50	24	20.59	20.69	20.68				
20	16QAM	50	50	20.75	20.69	20.55	22	2		
20	16QAM	100	0	20.53	20.71	20.53				
20	64QAM	1	0	20.71	20.64	20.67				
20	64QAM	1	49	20.67	20.54	20.64	22	2		
20	64QAM	1	99	20.57	20.53	20.60				
20	64QAM	50	0	19.78	19.65	19.69				
20	64QAM	50	24	19.71	19.78	19.79	21	3		
20	64QAM	50	50	19.95	19.72	19.81				
20	64QAM	100	0	19.59	19.78	19.71				
20	256QAM	1	0	17.58	17.35	17.55	19	5		
20	256QAM	1	49	17.69	17.57	17.56				
20	256QAM	1	99	17.52	17.68	17.63				
20	256QAM	50	0	17.68	17.59	17.71	19	5		
20	256QAM	50	24	17.49	17.50	17.41				
20	256QAM	50	50	17.67	17.63	17.66				
20	256QAM	100	0	17.59	17.68	17.62	19	5		
Channel				20025	20175	20325			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	22.41	22.69	22.40	24	0		
15	QPSK	1	37	22.43	22.38	22.59				
15	QPSK	1	74	22.42	22.44	22.34				
15	QPSK	36	0	21.64	21.72	21.48	23	1		
15	QPSK	36	20	21.57	21.62	21.44				
15	QPSK	36	39	21.59	21.55	21.59				
15	QPSK	75	0	21.38	21.75	21.68	23	1		
15	16QAM	1	0	21.84	22.01	21.90				
15	16QAM	1	37	21.71	21.75	21.87				
15	16QAM	1	74	21.92	21.85	22.05	22	2		
15	16QAM	36	0	20.56	20.75	20.50				
15	16QAM	36	20	20.53	20.53	20.55				
15	16QAM	36	39	20.64	20.63	20.44	22	2		
15	16QAM	75	0	20.35	20.64	20.43				
15	64QAM	1	0	20.53	20.46	20.53				
15	64QAM	1	37	20.53	20.46	20.47	22	2		
15	64QAM	1	74	20.45	20.44	20.47				
15	64QAM	36	0	19.71	19.52	19.60				
15	64QAM	36	20	19.56	19.62	19.71	21	3		
15	64QAM	36	39	19.84	19.56	19.73				
15	64QAM	75	0	19.49	19.62	19.63				
15	256QAM	1	0	17.40	17.20	17.47	19	5		
15	256QAM	1	37	17.61	17.44	17.42				
15	256QAM	1	74	17.44	17.59	17.46				
15	256QAM	36	0	17.62	17.41	17.65	19	5		
15	256QAM	36	20	17.37	17.43	17.32				





15	256QAM	36	39	17.50	17.46	17.49		
15	256QAM	75	0	17.41	17.53	17.53		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	22.47	22.70	22.47	24	0
10	QPSK	1	25	22.38	22.40	22.53		
10	QPSK	1	49	22.34	22.50	22.36		
10	QPSK	25	0	21.64	21.71	21.42	23	1
10	QPSK	25	12	21.55	21.59	21.48		
10	QPSK	25	25	21.65	21.54	21.56		
10	QPSK	50	0	21.37	21.72	21.68		
10	16QAM	1	0	21.85	21.90	21.90	23	1
10	16QAM	1	25	21.68	21.73	21.88		
10	16QAM	1	49	21.95	21.78	22.07		
10	16QAM	25	0	20.50	20.66	20.44	22	2
10	16QAM	25	12	20.52	20.58	20.61		
10	16QAM	25	25	20.68	20.62	20.39		
10	16QAM	50	0	20.45	20.58	20.41		
10	64QAM	1	0	20.55	20.46	20.54	22	2
10	64QAM	1	25	20.53	20.43	20.50		
10	64QAM	1	49	20.42	20.46	20.49		
10	64QAM	25	0	19.65	19.56	19.54	21	3
10	64QAM	25	12	19.54	19.71	19.72		
10	64QAM	25	25	19.79	19.57	19.63		
10	64QAM	50	0	19.42	19.64	19.53		
10	256QAM	1	0	17.49	17.29	17.45	19	5
10	256QAM	1	25	17.53	17.49	17.46		
10	256QAM	1	49	17.43	17.52	17.56		
10	256QAM	25	0	17.61	17.42	17.64	19	5
10	256QAM	25	12	17.32	17.40	17.33		
10	256QAM	25	25	17.53	17.55	17.59		
10	256QAM	50	0	17.44	17.59	17.53		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	22.47	22.73	22.40	24	0
5	QPSK	1	12	22.49	22.36	22.52		
5	QPSK	1	24	22.35	22.43	22.32		
5	QPSK	12	0	21.64	21.79	21.46	23	1
5	QPSK	12	7	21.59	21.54	21.39		
5	QPSK	12	13	21.63	21.52	21.52		
5	QPSK	25	0	21.39	21.68	21.65		
5	16QAM	1	0	21.89	22.02	21.90	23	1
5	16QAM	1	12	21.77	21.79	21.89		
5	16QAM	1	24	21.95	21.83	22.07		
5	16QAM	12	0	20.49	20.69	20.42	22	2
5	16QAM	12	7	20.47	20.61	20.58		
5	16QAM	12	13	20.65	20.59	20.40		
5	16QAM	25	0	20.45	20.64	20.43		
5	64QAM	1	0	20.56	20.51	20.49	22	2
5	64QAM	1	12	20.51	20.43	20.53		
5	64QAM	1	24	20.40	20.40	20.49		
5	64QAM	12	0	19.69	19.53	19.58	21	3
5	64QAM	12	7	19.55	19.66	19.66		
5	64QAM	12	13	19.85	19.60	19.65		
5	64QAM	25	0	19.53	19.67	19.65		



5	256QAM	1	0	17.43	17.20	17.39	19	5
5	256QAM	1	12	17.53	17.45	17.47		
5	256QAM	1	24	17.36	17.50	17.53		
5	256QAM	12	0	17.59	17.42	17.62	19	5
5	256QAM	12	7	17.39	17.35	17.32		
5	256QAM	12	13	17.56	17.49	17.49		
5	256QAM	25	0	17.45	17.56	17.46	Tune-up limit (dBm)	MPR (dB)
Channel				19965	20175	20385		
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	22.52	22.65	22.38	24	0
3	QPSK	1	8	22.44	22.43	22.54		
3	QPSK	1	14	22.34	22.46	22.36		
3	QPSK	8	0	21.61	21.73	21.49	23	1
3	QPSK	8	4	21.58	21.50	21.38		
3	QPSK	8	7	21.61	21.52	21.58		
3	QPSK	15	0	21.36	21.75	21.58	23	1
3	16QAM	1	0	21.94	21.95	21.97		
3	16QAM	1	8	21.71	21.74	21.90		
3	16QAM	1	14	21.93	21.78	22.01	22	2
3	16QAM	8	0	20.54	20.73	20.44		
3	16QAM	8	4	20.50	20.51	20.52		
3	16QAM	8	7	20.66	20.55	20.45	22	2
3	16QAM	15	0	20.38	20.63	20.43		
3	64QAM	1	0	20.61	20.49	20.51		
3	64QAM	1	8	20.51	20.43	20.51	22	2
3	64QAM	1	14	20.49	20.47	20.45		
3	64QAM	8	0	19.62	19.52	19.60		
3	64QAM	8	4	19.64	19.68	19.70	21	3
3	64QAM	8	7	19.87	19.64	19.65		
3	64QAM	15	0	19.50	19.72	19.64		
3	256QAM	1	0	17.45	17.21	17.38	19	5
3	256QAM	1	8	17.61	17.44	17.45		
3	256QAM	1	14	17.45	17.53	17.50		
3	256QAM	8	0	17.58	17.53	17.57	19	5
3	256QAM	8	4	17.39	17.35	17.34		
3	256QAM	8	7	17.53	17.57	17.49		
3	256QAM	15	0	17.47	17.53	17.50	Tune-up limit (dBm)	MPR (dB)
Channel				19957	20175	20393		
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	22.51	22.60	22.51	24	0
1.4	QPSK	1	3	22.60	22.57	22.55		
1.4	QPSK	1	5	22.53	22.50	22.57		
1.4	QPSK	3	0	22.57	22.73	22.49	23	1
1.4	QPSK	3	1	22.54	22.58	22.65		
1.4	QPSK	3	3	22.66	22.58	22.50		
1.4	QPSK	6	0	21.48	21.52	21.61	23	1
1.4	16QAM	1	0	21.69	21.46	21.57	23	1
1.4	16QAM	1	3	21.70	21.63	21.78		
1.4	16QAM	1	5	21.52	21.64	21.77		
1.4	16QAM	3	0	21.99	22.20	22.08	23	1
1.4	16QAM	3	1	21.98	22.01	22.14		
1.4	16QAM	3	3	21.93	22.11	22.12		
1.4	16QAM	6	0	20.75	20.72	20.63	22	2
1.4	64QAM	1	0	20.62	20.63	20.70	22	2
1.4	64QAM	1	3	20.75	20.53	20.72		



1.4	64QAM	1	5	20.54	20.50	20.48		
1.4	64QAM	3	0	20.60	20.74	20.67		
1.4	64QAM	3	1	20.66	20.58	20.66		
1.4	64QAM	3	3	20.62	20.47	20.43		
1.4	64QAM	6	0	20.42	20.52	20.53	21	3
1.4	256QAM	1	0	17.67	17.63	17.55		
1.4	256QAM	1	3	17.61	17.49	17.58		
1.4	256QAM	1	5	17.55	17.46	17.52		
1.4	256QAM	3	0	17.71	17.51	17.55	19	5
1.4	256QAM	3	1	17.54	17.47	17.51		
1.4	256QAM	3	3	17.66	17.59	17.64		
1.4	256QAM	6	0	17.56	17.68	17.65	19	5

### Band 66 Ant 5 DSI5

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	22.72	22.89	22.78		
20	QPSK	1	49	22.72	22.66	22.68	24	0
20	QPSK	1	99	22.69	22.72	22.60		
20	QPSK	50	0	21.82	21.90	21.70		
20	QPSK	50	24	21.78	21.71	21.78	23	1
20	QPSK	50	50	21.88	21.83	21.81		
20	QPSK	100	0	21.77	21.86	21.79		
20	16QAM	1	0	22.17	22.08	22.10		
20	16QAM	1	49	22.04	22.15	22.14	23	1
20	16QAM	1	99	22.11	22.17	22.33		
20	16QAM	50	0	20.94	20.83	20.71		
20	16QAM	50	24	20.81	20.79	20.89	22	2
20	16QAM	50	50	20.82	20.73	20.75		
20	16QAM	100	0	20.78	20.80	20.62		
20	64QAM	1	0	20.80	20.83	20.77		
20	64QAM	1	49	20.87	20.80	20.72	22	2
20	64QAM	1	99	20.78	20.81	20.74		
20	64QAM	50	0	19.93	19.91	19.76		
20	64QAM	50	24	19.85	19.78	19.86	21	3
20	64QAM	50	50	20.01	19.99	19.87		
20	64QAM	100	0	19.80	19.95	19.87		
20	256QAM	1	0	17.70	17.58	17.70		
20	256QAM	1	49	17.81	17.79	17.70	19	5
20	256QAM	1	99	17.69	17.64	17.83		
20	256QAM	50	0	17.83	17.61	17.76		
20	256QAM	50	24	17.69	17.70	17.67	19	5
20	256QAM	50	50	17.77	17.70	17.76		
20	256QAM	100	0	17.69	17.73	17.72		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	22.68	22.74	22.72		
15	QPSK	1	37	22.69	22.73	22.73	24	0
15	QPSK	1	74	22.68	22.69	22.61		
15	QPSK	36	0	21.82	21.95	21.72		
15	QPSK	36	20	21.81	21.78	21.73	23	1
15	QPSK	36	39	21.95	21.75	21.75		
15	QPSK	75	0	21.70	21.84	21.77		



15	16QAM	1	0	22.11	22.16	22.15	23	1
15	16QAM	1	37	22.09	22.18	22.14		
15	16QAM	1	74	22.11	22.14	22.32		
15	16QAM	36	0	20.97	20.84	20.70	22	2
15	16QAM	36	20	20.83	20.86	20.90		
15	16QAM	36	39	20.81	20.74	20.84		
15	16QAM	75	0	20.70	20.79	20.65	22	2
15	64QAM	1	0	20.79	20.85	20.77		
15	64QAM	1	37	20.85	20.80	20.71		
15	64QAM	1	74	20.75	20.79	20.74	21	3
15	64QAM	36	0	19.94	19.91	19.76		
15	64QAM	36	20	19.89	19.80	19.90		
15	64QAM	36	39	20.01	19.98	19.92	19	5
15	64QAM	75	0	19.75	19.93	19.87		
15	256QAM	1	0	17.77	17.55	17.71		
15	256QAM	1	37	17.80	17.79	17.68	19	5
15	256QAM	1	74	17.69	17.66	17.78		
15	256QAM	36	0	17.81	17.65	17.82		
15	256QAM	36	20	17.73	17.69	17.65	19	5
15	256QAM	36	39	17.72	17.69	17.76		
15	256QAM	75	0	17.70	17.72	17.75		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	22.61	22.75	22.74	24	0
10	QPSK	1	25	22.71	22.66	22.75		
10	QPSK	1	49	22.66	22.72	22.67		
10	QPSK	25	0	21.81	21.94	21.77	23	1
10	QPSK	25	12	21.86	21.72	21.76		
10	QPSK	25	25	21.97	21.78	21.78		
10	QPSK	50	0	21.75	21.89	21.84	23	1
10	16QAM	1	0	22.12	22.06	22.09		
10	16QAM	1	25	22.06	22.17	22.23		
10	16QAM	1	49	22.17	22.12	22.33	22	2
10	16QAM	25	0	20.94	20.82	20.71		
10	16QAM	25	12	20.77	20.81	20.93		
10	16QAM	25	25	20.85	20.73	20.76	22	2
10	16QAM	50	0	20.75	20.78	20.66		
10	64QAM	1	0	20.78	20.81	20.74		
10	64QAM	1	25	20.85	20.81	20.81	22	2
10	64QAM	1	49	20.72	20.78	20.81		
10	64QAM	25	0	20.03	19.85	19.75		
10	64QAM	25	12	19.82	19.82	19.85	21	3
10	64QAM	25	25	20.03	19.93	19.92		
10	64QAM	50	0	19.80	19.87	19.90		
10	256QAM	1	0	17.77	17.62	17.71	19	5
10	256QAM	1	25	17.78	17.73	17.69		
10	256QAM	1	49	17.63	17.66	17.85		
10	256QAM	25	0	17.77	17.63	17.78	19	5
10	256QAM	25	12	17.75	17.75	17.67		
10	256QAM	25	25	17.73	17.73	17.74		
10	256QAM	50	0	17.71	17.78	17.76	Tune-up limit (dBm)	MPR (dB)
Channel				131997	132322	132647		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	22.62	22.71	22.70	24	0
5	QPSK	1	12	22.72	22.65	22.69		



5	QPSK	1	24	22.68	22.73	22.61		
5	QPSK	12	0	21.75	21.98	21.68	23	1
5	QPSK	12	7	21.82	21.78	21.77		
5	QPSK	12	13	21.93	21.80	21.80		
5	QPSK	25	0	21.79	21.88	21.80		
5	16QAM	1	0	22.13	22.09	22.16	23	1
5	16QAM	1	12	22.01	22.14	22.21		
5	16QAM	1	24	22.10	22.13	22.34		
5	16QAM	12	0	20.90	20.86	20.70	22	2
5	16QAM	12	7	20.80	20.80	20.86		
5	16QAM	12	13	20.86	20.75	20.85		
5	16QAM	25	0	20.71	20.82	20.68		
5	64QAM	1	0	20.78	20.82	20.77	22	2
5	64QAM	1	12	20.82	20.78	20.80		
5	64QAM	1	24	20.77	20.84	20.84		
5	64QAM	12	0	19.96	19.91	19.80	21	3
5	64QAM	12	7	19.80	19.77	19.86		
5	64QAM	12	13	20.04	19.98	19.89		
5	64QAM	25	0	19.73	19.92	19.94		
5	256QAM	1	0	17.76	17.59	17.71	19	5
5	256QAM	1	12	17.85	17.76	17.65		
5	256QAM	1	24	17.65	17.72	17.79		
5	256QAM	12	0	17.80	17.61	17.74	19	5
5	256QAM	12	7	17.71	17.65	17.62		
5	256QAM	12	13	17.70	17.69	17.70		
5	256QAM	25	0	17.65	17.73	17.69		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	22.61	22.70	22.67	24	0
3	QPSK	1	8	22.67	22.63	22.69		
3	QPSK	1	14	22.67	22.70	22.68		
3	QPSK	8	0	21.72	21.89	21.71	23	1
3	QPSK	8	4	21.88	21.73	21.70		
3	QPSK	8	7	21.92	21.79	21.81		
3	QPSK	15	0	21.75	21.82	21.82		
3	16QAM	1	0	22.15	22.12	22.10	23	1
3	16QAM	1	8	22.07	22.12	22.19		
3	16QAM	1	14	22.12	22.12	22.33		
3	16QAM	8	0	20.96	20.88	20.76	22	2
3	16QAM	8	4	20.82	20.81	20.86		
3	16QAM	8	7	20.86	20.82	20.83		
3	16QAM	15	0	20.72	20.78	20.70		
3	64QAM	1	0	20.85	20.86	20.75	22	2
3	64QAM	1	8	20.83	20.76	20.76		
3	64QAM	1	14	20.75	20.84	20.74		
3	64QAM	8	0	19.98	19.84	19.81	21	3
3	64QAM	8	4	19.83	19.79	19.91		
3	64QAM	8	7	19.96	19.91	19.87		
3	64QAM	15	0	19.73	19.90	19.92		
3	256QAM	1	0	17.69	17.62	17.72	19	5
3	256QAM	1	8	17.79	17.79	17.68		
3	256QAM	1	14	17.63	17.71	17.84		
3	256QAM	8	0	17.81	17.65	17.80	19	5
3	256QAM	8	4	17.67	17.66	17.68		
3	256QAM	8	7	17.73	17.75	17.74		
3	256QAM	15	0	17.68	17.73	17.75		



Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	22.60	22.77	22.58	24	0
1.4	QPSK	1	3	22.73	22.67	22.69		
1.4	QPSK	1	5	22.66	22.64	22.71		
1.4	QPSK	3	0	22.64	22.81	22.66		
1.4	QPSK	3	1	22.66	22.65	22.77		
1.4	QPSK	3	3	22.73	22.69	22.60		
1.4	QPSK	6	0	21.60	21.67	21.68	23	1
1.4	16QAM	1	0	21.76	21.62	21.69	23	1
1.4	16QAM	1	3	21.87	21.80	21.90		
1.4	16QAM	1	5	21.59	21.70	21.83		
1.4	16QAM	3	0	22.14	22.26	22.23		
1.4	16QAM	3	1	22.08	22.08	22.25		
1.4	16QAM	3	3	22.06	22.24	22.24		
1.4	16QAM	6	0	20.81	20.83	20.75	22	2
1.4	64QAM	1	0	20.78	20.74	20.82	22	2
1.4	64QAM	1	3	20.83	20.71	20.81		
1.4	64QAM	1	5	20.60	20.64	20.59		
1.4	64QAM	3	0	20.77	20.80	20.85		
1.4	64QAM	3	1	20.84	20.74	20.78		
1.4	64QAM	3	3	20.70	20.62	20.60		
1.4	64QAM	6	0	20.55	20.65	20.69	21	3
1.4	256QAM	1	0	17.82	17.70	17.67	19	5
1.4	256QAM	1	3	17.78	17.61	17.67		
1.4	256QAM	1	5	17.68	17.63	17.68		
1.4	256QAM	3	0	17.80	17.59	17.71		
1.4	256QAM	3	1	17.63	17.55	17.58		
1.4	256QAM	3	3	17.74	17.76	17.72		
1.4	256QAM	6	0	17.71	17.79	17.82	19	5

### Band 7 Ant 3 DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.75	19.88	19.65	20.4	0
20	QPSK	1	49	19.55	19.71	19.62		
20	QPSK	1	99	19.55	19.69	19.72		
20	QPSK	50	0	19.40	19.46	19.39	20.4	0
20	QPSK	50	24	19.43	19.45	19.43		
20	QPSK	50	50	19.30	19.44	19.42		
20	QPSK	100	0	19.28	19.44	19.27		
20	16QAM	1	0	19.64	19.77	19.59	20.4	0
20	16QAM	1	49	19.76	19.79	19.80		
20	16QAM	1	99	19.87	19.78	19.78		
20	16QAM	50	0	19.48	19.60	19.47	20.4	0
20	16QAM	50	24	19.28	19.36	19.29		
20	16QAM	50	50	19.34	19.53	19.31		
20	16QAM	100	0	19.44	19.44	19.31		
20	64QAM	1	0	19.41	19.54	19.34	20.4	0
20	64QAM	1	49	19.56	19.69	19.65		
20	64QAM	1	99	19.51	19.63	19.63		
20	64QAM	50	0	19.45	19.48	19.61	20.4	0
20	64QAM	50	24	19.19	19.38	19.35		



20	64QAM	50	50	19.27	19.44	19.30		
20	64QAM	100	0	19.31	19.44	19.37		
20	256QAM	1	0	18.24	18.35	18.35	20	0.4
20	256QAM	1	49	18.31	18.30	18.40		
20	256QAM	1	99	18.25	18.41	18.25		
20	256QAM	50	0	18.10	18.28	18.27	20	0.4
20	256QAM	50	24	18.12	18.28	18.18		
20	256QAM	50	50	18.20	18.18	18.16		
20	256QAM	100	0	18.21	18.42	18.13		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.53	19.66	19.41	20.4	0
15	QPSK	1	37	19.36	19.49	19.45		
15	QPSK	1	74	19.37	19.46	19.57		
15	QPSK	36	0	19.17	19.29	19.24	20.4	0
15	QPSK	36	20	19.25	19.22	19.22		
15	QPSK	36	39	19.07	19.20	19.21		
15	QPSK	75	0	19.03	19.22	19.06		
15	16QAM	1	0	19.46	19.57	19.39	20.4	0
15	16QAM	1	37	19.55	19.60	19.61		
15	16QAM	1	74	19.63	19.55	19.54		
15	16QAM	36	0	19.32	19.42	19.25	20.4	0
15	16QAM	36	20	19.07	19.21	19.12		
15	16QAM	36	39	19.10	19.31	19.08		
15	16QAM	75	0	19.23	19.22	19.07		
15	64QAM	1	0	19.21	19.38	19.19	20.4	0
15	64QAM	1	37	19.40	19.46	19.43		
15	64QAM	1	74	19.36	19.45	19.46		
15	64QAM	36	0	19.24	19.33	19.42	20.4	0
15	64QAM	36	20	18.94	19.19	19.15		
15	64QAM	36	39	19.08	19.20	19.08		
15	64QAM	75	0	19.14	19.20	19.21		
15	256QAM	1	0	18.08	18.15	18.20	20	0.4
15	256QAM	1	37	18.06	18.10	18.18		
15	256QAM	1	74	18.04	18.19	18.04		
15	256QAM	36	0	18.31	18.30	18.40	20	0.4
15	256QAM	36	20	18.25	18.41	18.25		
15	256QAM	36	39	18.10	18.28	18.27		
15	256QAM	75	0	18.12	18.28	18.18		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.60	19.70	19.48	20.4	0
10	QPSK	1	25	19.36	19.53	19.41		
10	QPSK	1	49	19.35	19.46	19.53		
10	QPSK	25	0	19.22	19.26	19.20	20.4	0
10	QPSK	25	12	19.27	19.22	19.21		
10	QPSK	25	25	19.06	19.24	19.18		
10	QPSK	50	0	19.06	19.24	19.10		
10	16QAM	1	0	19.44	19.52	19.42	20.4	0
10	16QAM	1	25	19.53	19.55	19.59		
10	16QAM	1	49	19.65	19.56	19.57		
10	16QAM	25	0	19.32	19.39	19.25	20.4	0
10	16QAM	25	12	19.09	19.18	19.09		
10	16QAM	25	25	19.18	19.34	19.12		
10	16QAM	50	0	19.25	19.24	19.10		



10	64QAM	1	0	19.17	19.33	19.10	20.4	0
10	64QAM	1	25	19.38	19.46	19.41		
10	64QAM	1	49	19.34	19.48	19.48		
10	64QAM	25	0	19.20	19.30	19.43	20.4	0
10	64QAM	25	12	19.02	19.20	19.19		
10	64QAM	25	25	19.08	19.26	19.15		
10	64QAM	50	0	19.08	19.24	19.13	20	0.4
10	256QAM	1	0	18.07	18.13	18.12		
10	256QAM	1	25	18.12	18.12	18.16		
10	256QAM	1	49	18.02	18.23	18.03	20	0.4
10	256QAM	25	0	18.20	18.21	18.32		
10	256QAM	25	12	18.15	18.29	18.18		
10	256QAM	25	25	18.19	18.14	18.13	20	0.4
10	256QAM	50	0	18.24	18.17	18.29		
Channel				20775	21100	21425		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.55	19.72	19.49	20.4	0
5	QPSK	1	12	19.35	19.48	19.45		
5	QPSK	1	24	19.33	19.45	19.51		
5	QPSK	12	0	19.18	19.29	19.24	20.4	0
5	QPSK	12	7	19.24	19.20	19.23		
5	QPSK	12	13	19.13	19.27	19.24		
5	QPSK	25	0	19.03	19.25	19.07	20.4	0
5	16QAM	1	0	19.41	19.60	19.39		
5	16QAM	1	12	19.55	19.62	19.60		
5	16QAM	1	24	19.71	19.59	19.58	20.4	0
5	16QAM	12	0	19.26	19.41	19.24		
5	16QAM	12	7	19.07	19.12	19.09		
5	16QAM	12	13	19.18	19.38	19.07	20.4	0
5	16QAM	25	0	19.25	19.23	19.09		
5	64QAM	1	0	19.26	19.38	19.19		
5	64QAM	1	12	19.36	19.46	19.45	20.4	0
5	64QAM	1	24	19.28	19.44	19.41		
5	64QAM	12	0	19.23	19.26	19.45		
5	64QAM	12	7	18.97	19.22	19.19	20.4	0
5	64QAM	12	13	19.03	19.26	19.06		
5	64QAM	25	0	19.15	19.22	19.17		
5	256QAM	1	0	18.23	18.22	18.30	20	0.4
5	256QAM	1	12	18.12	18.32	18.18		
5	256QAM	1	24	18.22	18.15	18.21		
5	256QAM	12	0	18.18	18.20	18.32	20	0.4
5	256QAM	12	7	18.12	18.26	18.19		
5	256QAM	12	13	18.18	18.17	18.16		
5	256QAM	25	0	18.20	18.20	18.30		

Band 5 Ant 1 DSI5								
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				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	21.64	21.66	21.49	23	0
10	QPSK	1	25	21.65	21.55	21.60		
10	QPSK	1	49	21.57	21.58	21.55		
10	QPSK	25	0	20.56	20.85	20.54	22	1
10	QPSK	25	12	20.66	20.56	20.72		





10	QPSK	25	25	20.78	20.71	20.80		
10	QPSK	50	0	20.58	20.72	20.69		
10	16QAM	1	0	21.10	20.98	21.07	22	1
10	16QAM	1	25	20.95	20.94	20.98		
10	16QAM	1	49	20.93	21.07	21.28		
10	16QAM	25	0	19.85	19.65	19.69	21	2
10	16QAM	25	12	19.62	19.76	19.82		
10	16QAM	25	25	19.83	19.72	19.60		
10	16QAM	50	0	19.60	19.60	19.47		
10	64QAM	1	0	19.82	19.63	19.75	21	2
10	64QAM	1	25	19.83	19.63	19.63		
10	64QAM	1	49	19.70	19.76	19.71		
10	64QAM	25	0	18.93	18.87	18.66	20	3
10	64QAM	25	12	18.74	18.76	18.78		
10	64QAM	25	25	18.93	18.93	18.89		
10	64QAM	50	0	18.69	18.71	18.90		
10	256QAM	1	0	16.74	16.57	16.62	18	5
10	256QAM	1	25	16.82	16.73	16.53		
10	256QAM	1	49	16.61	16.66	16.79		
10	256QAM	25	0	16.63	16.44	16.61	18	5
10	256QAM	25	12	16.61	16.53	16.48		
10	256QAM	25	25	16.60	16.55	16.63		
10	256QAM	50	0	16.59	16.59	16.56		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	21.55	21.59	21.54	23	0
5	QPSK	1	12	21.70	21.60	21.50		
5	QPSK	1	24	21.57	21.49	21.50		
5	QPSK	12	0	20.64	20.73	20.53	22	1
5	QPSK	12	7	20.53	20.60	20.68		
5	QPSK	12	13	20.71	20.63	20.79		
5	QPSK	25	0	20.44	20.80	20.77		
5	16QAM	1	0	21.16	21.02	20.97	22	1
5	16QAM	1	12	20.90	21.00	21.01		
5	16QAM	1	24	21.00	21.08	21.23		
5	16QAM	12	0	19.80	19.59	19.56	21	2
5	16QAM	12	7	19.58	19.76	19.74		
5	16QAM	12	13	19.70	19.64	19.47		
5	16QAM	25	0	19.48	19.47	19.35		
5	64QAM	1	0	19.79	19.56	19.80	21	2
5	64QAM	1	12	19.84	19.60	19.59		
5	64QAM	1	24	19.61	19.77	19.81		
5	64QAM	12	0	18.80	18.77	18.74	20	3
5	64QAM	12	7	18.68	18.70	18.88		
5	64QAM	12	13	18.89	18.88	18.98		
5	64QAM	25	0	18.61	18.66	18.85		
5	256QAM	1	0	16.68	16.50	16.70	18	5
5	256QAM	1	12	16.68	16.79	16.46		
5	256QAM	1	24	16.51	16.69	16.85		
5	256QAM	12	0	16.71	16.43	16.70	18	5
5	256QAM	12	7	16.59	16.51	16.42		
5	256QAM	12	13	16.52	16.42	16.60		
5	256QAM	25	0	16.51	16.63	16.50		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		



3	QPSK	1	0	21.61	21.73	21.55	23	0
3	QPSK	1	8	21.58	21.47	21.69		
3	QPSK	1	14	21.64	21.50	21.64		
3	QPSK	8	0	20.61	20.88	20.60	22	1
3	QPSK	8	4	20.53	20.54	20.62		
3	QPSK	8	7	20.78	20.77	20.74		
3	QPSK	15	0	20.63	20.76	20.66	22	1
3	16QAM	1	0	21.11	21.04	20.93		
3	16QAM	1	8	20.97	21.02	20.88		
3	16QAM	1	14	20.85	21.12	21.14	21	2
3	16QAM	8	0	19.94	19.65	19.75		
3	16QAM	8	4	19.56	19.77	19.91		
3	16QAM	8	7	19.81	19.66	19.49	21	2
3	16QAM	15	0	19.65	19.54	19.50		
3	64QAM	1	0	19.89	19.65	19.66		
3	64QAM	1	8	19.76	19.73	19.70	20	3
3	64QAM	1	14	19.73	19.71	19.81		
3	64QAM	8	0	18.79	18.73	18.63		
3	64QAM	8	4	18.79	18.72	18.82	18	5
3	64QAM	8	7	18.83	19.02	18.79		
3	64QAM	15	0	18.72	18.72	18.78		
3	256QAM	1	0	16.78	16.56	16.66	18	5
3	256QAM	1	8	16.78	16.67	16.46		
3	256QAM	1	14	16.71	16.58	16.69		
3	256QAM	8	0	16.60	16.45	16.52	18	5
3	256QAM	8	4	16.67	16.50	16.45		
3	256QAM	8	7	16.64	16.62	16.52		
3	256QAM	15	0	16.55	16.54	16.52	Tune-up limit (dBm)	MPR (dB)
Channel				20407	20525	20643		
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.51	21.58	21.47	23	0
1.4	QPSK	1	3	21.60	21.46	21.43		
1.4	QPSK	1	5	21.60	21.43	21.45		
1.4	QPSK	3	0	21.43	21.68	21.45	22	1
1.4	QPSK	3	1	21.46	21.53	21.52		
1.4	QPSK	3	3	21.39	21.41	21.50		
1.4	QPSK	6	0	20.42	20.48	20.49	22	1
1.4	16QAM	1	0	20.67	20.42	20.52		
1.4	16QAM	1	3	20.83	20.76	20.72		
1.4	16QAM	1	5	20.46	20.51	20.69	21	2
1.4	16QAM	3	0	21.13	21.09	20.96		
1.4	16QAM	3	1	21.00	20.91	21.03		
1.4	16QAM	3	3	20.89	21.06	21.16	21	2
1.4	16QAM	6	0	19.55	19.57	19.70		
1.4	64QAM	1	0	19.67	19.60	19.70		
1.4	64QAM	1	3	19.57	19.60	19.58	21	2
1.4	64QAM	1	5	19.49	19.38	19.38		
1.4	64QAM	3	0	19.58	19.53	19.70		
1.4	64QAM	3	1	19.65	19.58	19.71	20	3
1.4	64QAM	3	3	19.63	19.56	19.66		
1.4	64QAM	6	0	19.34	19.54	19.48		
1.4	256QAM	1	0	16.61	16.59	16.49	18	5
1.4	256QAM	1	3	16.60	16.55	16.44		
1.4	256QAM	1	5	16.56	16.60	16.44		
1.4	256QAM	3	0	16.69	16.59	16.46	18	5
1.4	256QAM	3	1	16.47	16.45	16.40		



1.4	256QAM	3	3	16.58	16.55	16.60		
1.4	256QAM	6	0	16.50	16.60	16.65	18	5

## Band 13 Ant 1 DSI5

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				23230				
Frequency (MHz)				782				
10	QPSK	1	0		21.77		23	0
10	QPSK	1	25		21.51			
10	QPSK	1	49		21.64			
10	QPSK	25	0		20.75		22	1
10	QPSK	25	12		20.70			
10	QPSK	25	25		20.71			
10	QPSK	50	0		20.73		22	1
10	16QAM	1	0		21.07			
10	16QAM	1	25		21.20			
10	16QAM	1	49		21.05		21	2
10	16QAM	25	0		19.67			
10	16QAM	25	12		19.73			
10	16QAM	25	25		19.63		21	2
10	16QAM	50	0		19.67			
10	64QAM	1	0		19.69			
10	64QAM	1	25		19.71		21	2
10	64QAM	1	49		19.70			
10	64QAM	25	0		18.84			
10	64QAM	25	12		18.67		20	3
10	64QAM	25	25		18.84			
10	64QAM	50	0		18.76			
10	256QAM	1	0		16.59		18	5
10	256QAM	1	25		16.61			
10	256QAM	1	49		16.70			
10	256QAM	25	0		16.66		18	5
10	256QAM	25	12		16.60			
10	256QAM	25	25		16.52			
10	256QAM	50	0		16.63			
Channel				23205	23230	23255		
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	21.60	21.68	21.57	23	0
5	QPSK	1	12	21.75	21.56	21.61		
5	QPSK	1	24	21.45	21.64	21.53		
5	QPSK	12	0	20.82	21.02	20.52	22	1
5	QPSK	12	7	20.72	20.75	20.63		
5	QPSK	12	13	20.94	20.85	20.76		
5	QPSK	25	0	20.80	20.82	20.59	22	1
5	16QAM	1	0	21.19	20.99	21.00		
5	16QAM	1	12	20.97	21.06	21.08		
5	16QAM	1	24	20.95	21.00	21.20	21	2
5	16QAM	12	0	19.89	19.72	19.70		
5	16QAM	12	7	19.78	19.72	19.72		
5	16QAM	12	13	19.72	19.86	19.81	21	2
5	16QAM	25	0	19.70	19.61	19.54		
5	64QAM	1	0	19.70	19.65	19.70		
5	64QAM	1	12	19.72	19.87	19.62	21	2
5	64QAM	1	24	19.66	19.82	19.64		



5	64QAM	12	0	18.92	18.74	18.76	20	3
5	64QAM	12	7	18.75	18.69	18.98		
5	64QAM	12	13	18.84	18.74	18.84		
5	64QAM	25	0	18.60	18.87	18.72	18	5
5	256QAM	1	0	16.70	16.62	16.64		
5	256QAM	1	12	16.72	16.77	16.66		
5	256QAM	1	24	16.47	16.64	16.79	18	5
5	256QAM	12	0	16.64	16.65	16.70		
5	256QAM	12	7	16.64	16.70	16.58		
5	256QAM	12	13	16.67	16.68	16.53		
5	256QAM	25	0	16.59	16.61	16.79		

### Band 17 Ant 1 DSI5

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				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	21.58	21.78	21.76	23	0
10	QPSK	1	25	21.57	21.56	21.55		
10	QPSK	1	49	21.69	21.68	21.49		
10	QPSK	25	0	20.82	20.85	20.70	22	1
10	QPSK	25	12	20.84	20.81	20.75		
10	QPSK	25	25	20.53	20.75	20.74		
10	QPSK	50	0	20.70	20.81	20.80	22	1
10	16QAM	1	0	21.07	21.08	21.17		
10	16QAM	1	25	21.10	21.08	21.14		
10	16QAM	1	49	21.21	21.08	21.30	21	2
10	16QAM	25	0	19.91	20.01	19.74		
10	16QAM	25	12	19.78	19.93	19.87		
10	16QAM	25	25	19.89	19.88	19.72	21	2
10	16QAM	50	0	19.75	19.75	19.68		
10	64QAM	1	0	19.98	19.84	19.91		
10	64QAM	1	25	19.86	19.81	19.68	21	2
10	64QAM	1	49	19.82	19.70	19.76		
10	64QAM	25	0	18.99	18.81	18.68		
10	64QAM	25	12	18.91	18.80	18.97	20	3
10	64QAM	25	25	18.87	18.89	18.83		
10	64QAM	50	0	18.84	18.91	19.02		
10	256QAM	1	0	16.64	16.63	16.74	18	5
10	256QAM	1	25	16.86	16.80	16.66		
10	256QAM	1	49	16.72	16.67	16.86		
10	256QAM	25	0	16.74	16.67	16.88	18	5
10	256QAM	25	12	16.77	16.72	16.62		
10	256QAM	25	25	16.60	16.72	16.56		
10	256QAM	50	0	16.68	16.74	16.67		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	21.63	21.72	21.70	23	0
5	QPSK	1	12	21.66	21.68	21.72		
5	QPSK	1	24	21.60	21.74	21.55		
5	QPSK	12	0	20.76	21.02	20.73	22	1
5	QPSK	12	7	20.81	20.85	20.92		
5	QPSK	12	13	20.72	20.80	20.78		
5	QPSK	25	0	20.89	20.91	20.80		
5	16QAM	1	0	21.22	21.23	21.03	22	1



5	16QAM	1	12	20.95	21.12	21.09		
5	16QAM	1	24	21.29	21.12	21.37		
5	16QAM	12	0	20.02	19.88	19.65	21	2
5	16QAM	12	7	19.73	19.76	19.74		
5	16QAM	12	13	19.95	19.83	19.93		
5	16QAM	25	0	19.70	19.82	19.68		
5	64QAM	1	0	19.78	19.77	19.79		
5	64QAM	1	12	19.82	19.70	19.68	21	2
5	64QAM	1	24	19.86	19.85	19.75		
5	64QAM	12	0	19.05	18.91	18.87		
5	64QAM	12	7	18.94	18.86	18.85	20	3
5	64QAM	12	13	18.90	18.94	18.94		
5	64QAM	25	0	18.94	18.95	18.99		
5	256QAM	1	0	16.66	16.54	16.79		
5	256QAM	1	12	16.86	16.85	16.81	18	5
5	256QAM	1	24	16.59	16.66	16.90		
5	256QAM	12	0	16.91	16.62	16.86		
5	256QAM	12	7	16.77	16.88	16.72	18	5
5	256QAM	12	13	16.72	16.67	16.65		
5	256QAM	25	0	16.68	16.92	16.67		

### Band 26 Ant 1 DSI5

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				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	21.36	21.64	21.34	23	0
15	QPSK	1	37	21.45	21.44	21.34		
15	QPSK	1	74	21.53	21.48	21.27		
15	QPSK	36	0	20.49	20.68	20.37	22	1
15	QPSK	36	20	20.40	20.53	20.35		
15	QPSK	36	39	20.66	20.65	20.56		
15	QPSK	75	0	20.48	20.68	20.43		
15	16QAM	1	0	20.79	20.93	20.79		
15	16QAM	1	37	20.80	20.96	20.99	22	1
15	16QAM	1	74	21.01	20.82	20.91		
15	16QAM	36	0	19.61	19.57	19.39		
15	16QAM	36	20	19.52	19.65	19.56	21	2
15	16QAM	36	39	19.64	19.59	19.51		
15	16QAM	75	0	19.41	19.50	19.42		
15	64QAM	1	0	19.62	19.67	19.50		
15	64QAM	1	37	19.66	19.65	19.50	21	2
15	64QAM	1	74	19.42	19.48	19.45		
15	64QAM	36	0	18.66	18.63	18.58		
15	64QAM	36	20	18.45	18.63	18.61	20	3
15	64QAM	36	39	18.74	18.57	18.69		
15	64QAM	75	0	18.45	18.59	18.54		
15	256QAM	1	0	16.38	16.19	16.52		
15	256QAM	1	37	16.62	16.39	16.41		
15	256QAM	1	74	16.34	16.34	16.48	18	5
15	256QAM	36	0	16.49	16.52	16.33		
15	256QAM	36	20	16.38	16.29	16.52		
15	256QAM	36	39	16.34	16.43	16.43		
15	256QAM	75	0	16.39	16.46	16.33	18	5
Channel				26740	26865	26990		



Frequency (MHz)				819	831.5	844	limit (dBm)	(dB)
10	QPSK	1	0	21.24	21.43	21.28	23	0
10	QPSK	1	25	21.55	21.47	21.36		
10	QPSK	1	49	21.36	21.33	21.33		
10	QPSK	25	0	20.52	20.63	20.45	22	1
10	QPSK	25	12	20.52	20.48	20.49		
10	QPSK	25	25	20.69	20.57	20.54		
10	QPSK	50	0	20.54	20.69	20.51	22	1
10	16QAM	1	0	20.91	20.75	20.80		
10	16QAM	1	25	20.90	20.85	21.05		
10	16QAM	1	49	21.00	20.83	20.98	21	2
10	16QAM	25	0	19.79	19.55	19.50		
10	16QAM	25	12	19.51	19.48	19.53		
10	16QAM	25	25	19.67	19.57	19.51	21	2
10	16QAM	50	0	19.45	19.56	19.46		
10	64QAM	1	0	19.48	19.56	19.44		
10	64QAM	1	25	19.52	19.45	19.59	21	2
10	64QAM	1	49	19.52	19.39	19.43		
10	64QAM	25	0	18.61	18.55	18.66		
10	64QAM	25	12	18.47	18.54	18.61	20	3
10	64QAM	25	25	18.72	18.60	18.58		
10	64QAM	50	0	18.46	18.58	18.68		
10	256QAM	1	0	16.53	16.37	16.45	18	5
10	256QAM	1	25	16.47	16.58	16.37		
10	256QAM	1	49	16.27	16.31	16.56		
10	256QAM	25	0	16.48	16.41	16.33	18	5
10	256QAM	25	12	16.41	16.32	16.50		
10	256QAM	25	25	16.53	16.43	16.48		
10	256QAM	50	0	16.33	16.50	16.50		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	21.37	21.43	21.35	23	0
5	QPSK	1	12	21.41	21.39	21.35		
5	QPSK	1	24	21.58	21.42	21.30		
5	QPSK	12	0	20.64	20.62	20.48	22	1
5	QPSK	12	7	20.59	20.46	20.36		
5	QPSK	12	13	20.62	20.63	20.36		
5	QPSK	25	0	20.46	20.55	20.36	22	1
5	16QAM	1	0	20.85	20.91	20.83		
5	16QAM	1	12	20.81	20.95	20.98		
5	16QAM	1	24	20.97	20.94	21.01	21	2
5	16QAM	12	0	19.67	19.66	19.53		
5	16QAM	12	7	19.42	19.58	19.73		
5	16QAM	12	13	19.47	19.58	19.48	21	2
5	16QAM	25	0	19.34	19.57	19.47		
5	64QAM	1	0	19.55	19.69	19.45		
5	64QAM	1	12	19.69	19.63	19.52	21	2
5	64QAM	1	24	19.58	19.39	19.56		
5	64QAM	12	0	18.78	18.44	18.65		
5	64QAM	12	7	18.53	18.64	18.71	20	3
5	64QAM	12	13	18.75	18.58	18.57		
5	64QAM	25	0	18.39	18.70	18.64		
5	256QAM	1	0	16.35	16.35	16.42	18	5
5	256QAM	1	12	16.58	16.55	16.48		
5	256QAM	1	24	16.20	16.31	16.61		



5	256QAM	12	0	16.55	16.37	16.34	18	5
5	256QAM	12	7	16.47	16.40	16.36		
5	256QAM	12	13	16.30	16.40	16.32		
5	256QAM	25	0	16.42	16.50	16.39		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	21.31	21.49	21.48	23	0
3	QPSK	1	8	21.44	21.36	21.35		
3	QPSK	1	14	21.43	21.39	21.26		
3	QPSK	8	0	20.57	20.70	20.48	22	1
3	QPSK	8	4	20.52	20.50	20.41		
3	QPSK	8	7	20.71	20.55	20.36		
3	QPSK	15	0	20.47	20.63	20.48		
3	16QAM	1	0	20.84	20.92	20.80	22	1
3	16QAM	1	8	20.76	20.81	21.01		
3	16QAM	1	14	21.00	20.77	20.95		
3	16QAM	8	0	19.75	19.66	19.41	21	2
3	16QAM	8	4	19.61	19.70	19.58		
3	16QAM	8	7	19.47	19.60	19.64		
3	16QAM	15	0	19.37	19.55	19.32		
3	64QAM	1	0	19.67	19.62	19.48	21	2
3	64QAM	1	8	19.52	19.50	19.41		
3	64QAM	1	14	19.46	19.43	19.45		
3	64QAM	8	0	18.77	18.47	18.46	20	3
3	64QAM	8	4	18.63	18.52	18.57		
3	64QAM	8	7	18.63	18.73	18.70		
3	64QAM	15	0	18.53	18.61	18.57		
3	256QAM	1	0	16.55	16.21	16.42	18	5
3	256QAM	1	8	16.47	16.39	16.48		
3	256QAM	1	14	16.32	16.32	16.59		
3	256QAM	8	0	16.61	16.53	16.34	18	5
3	256QAM	8	4	16.28	16.30	16.50		
3	256QAM	8	7	16.32	16.29	16.39		
3	256QAM	15	0	16.38	16.55	16.46		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	21.25	21.52	21.38	23	0
1.4	QPSK	1	3	21.53	21.52	21.39		
1.4	QPSK	1	5	21.49	21.31	21.38		
1.4	QPSK	3	0	20.49	20.63	20.41		
1.4	QPSK	3	1	20.41	20.54	20.40		
1.4	QPSK	3	3	20.57	20.65	20.54		
1.4	QPSK	6	0	20.52	20.57	20.57	22	1
1.4	16QAM	1	0	20.85	20.93	20.95	22	1
1.4	16QAM	1	3	20.78	20.79	20.84		
1.4	16QAM	1	5	20.98	20.84	21.03		
1.4	16QAM	3	0	19.62	19.72	19.41		
1.4	16QAM	3	1	19.46	19.53	19.64		
1.4	16QAM	3	3	19.68	19.53	19.53		
1.4	16QAM	6	0	19.30	19.49	19.48	21	2
1.4	64QAM	1	0	19.52	19.63	19.41	21	2
1.4	64QAM	1	3	19.65	19.63	19.61		
1.4	64QAM	1	5	19.52	19.48	19.41		
1.4	64QAM	3	0	18.63	18.47	18.64		
1.4	64QAM	3	1	18.63	18.61	18.51		



1.4	64QAM	3	3	18.61	18.77	18.63		
1.4	64QAM	6	0	18.43	18.66	18.65	20	3
1.4	256QAM	1	0	16.46	16.18	16.46	18	5
1.4	256QAM	1	3	16.48	16.47	16.49		
1.4	256QAM	1	5	16.42	16.37	16.59		
1.4	256QAM	3	0	16.54	16.31	16.47		
1.4	256QAM	3	1	16.44	16.40	16.35		
1.4	256QAM	3	3	16.40	16.49	16.41		
1.4	256QAM	6	0	16.38	16.36	16.48	18	5

### Band 71 Ant 1 DSI5

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				133222	133322	133372		
Frequency (MHz)				673	683	688		
20	QPSK	1	0	21.72	21.87	21.73	23	0
20	QPSK	1	49	21.62	21.77	21.68		
20	QPSK	1	99	21.68	21.79	21.67		
20	QPSK	50	0	20.73	20.82	20.66	22	1
20	QPSK	50	24	20.77	20.73	20.78		
20	QPSK	50	50	20.75	20.65	20.77		
20	QPSK	100	0	20.82	20.96	20.65	22	1
20	16QAM	1	0	21.10	21.24	21.14		
20	16QAM	1	49	21.03	21.14	21.17		
20	16QAM	1	99	21.15	21.15	21.45	21	2
20	16QAM	50	0	19.96	19.77	19.87		
20	16QAM	50	24	19.86	19.90	19.84		
20	16QAM	50	50	19.81	19.76	19.86	21	2
20	16QAM	100	0	19.86	19.76	19.49		
20	64QAM	1	0	19.89	19.74	19.79		
20	64QAM	1	49	19.85	19.88	19.76	21	2
20	64QAM	1	99	19.88	19.98	19.75		
20	64QAM	50	0	18.81	18.90	18.86		
20	64QAM	50	24	18.80	18.95	18.84	20	3
20	64QAM	50	50	19.08	18.83	19.06		
20	64QAM	100	0	18.87	18.88	19.05		
20	256QAM	1	0	16.70	16.70	16.73	18	5
20	256QAM	1	49	16.76	16.73	16.77		
20	256QAM	1	99	16.68	16.71	16.88		
20	256QAM	50	0	16.84	16.66	16.89	18	5
20	256QAM	50	24	16.71	16.63	16.70		
20	256QAM	50	50	16.62	16.83	16.76		
20	256QAM	100	0	16.68	16.76	16.71		
20	256QAM	100	0	16.68	16.76	16.71		
Channel				133197	133297	133397		
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	21.52	21.80	21.79	23	0
15	QPSK	1	37	21.68	21.86	21.71		
15	QPSK	1	74	21.68	21.60	21.69		
15	QPSK	36	0	20.87	21.12	20.72	22	1
15	QPSK	36	20	20.74	20.93	20.69		
15	QPSK	36	39	20.93	20.84	20.79		
15	QPSK	75	0	20.66	20.91	20.75	22	1
15	16QAM	1	0	21.22	21.03	21.01		
15	16QAM	1	37	21.06	21.18	21.08		
15	16QAM	1	74	21.01	21.19	21.48	22	1





15	16QAM	36	0	19.88	19.79	19.90	21	2
15	16QAM	36	20	19.95	19.91	19.87		
15	16QAM	36	39	19.75	19.66	19.80		
15	16QAM	75	0	19.82	19.68	19.65	21	2
15	64QAM	1	0	19.81	19.76	19.70		
15	64QAM	1	37	19.94	19.77	19.75		
15	64QAM	1	74	19.69	19.76	19.68	20	3
15	64QAM	36	0	18.80	18.80	18.80		
15	64QAM	36	20	18.87	18.80	18.81		
15	64QAM	36	39	19.02	18.86	18.96	18	5
15	64QAM	75	0	18.91	18.89	18.94		
15	256QAM	1	0	16.86	16.67	16.83		
15	256QAM	1	37	16.77	16.76	16.60	18	5
15	256QAM	1	74	16.68	16.75	16.93		
15	256QAM	36	0	16.68	16.70	16.69		
15	256QAM	36	20	16.78	16.69	16.80	18	5
15	256QAM	36	39	16.71	16.91	16.65		
15	256QAM	75	0	16.67	16.67	16.83		
Channel				133172	133272	133422	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	678	693		
10	QPSK	1	0	21.52	21.81	21.78	23	0
10	QPSK	1	25	21.70	21.66	21.79		
10	QPSK	1	49	21.74	21.64	21.64		
10	QPSK	25	0	20.91	20.93	20.83	22	1
10	QPSK	25	12	20.94	20.93	20.73		
10	QPSK	25	25	20.97	20.71	20.75		
10	QPSK	50	0	20.76	20.97	20.76	22	1
10	16QAM	1	0	21.23	21.06	21.10		
10	16QAM	1	25	20.93	21.23	21.07		
10	16QAM	1	49	21.14	21.00	21.35	21	2
10	16QAM	25	0	19.99	19.76	19.70		
10	16QAM	25	12	19.83	19.79	19.95		
10	16QAM	25	25	19.88	19.70	19.77	21	2
10	16QAM	50	0	19.85	19.72	19.62		
10	64QAM	1	0	19.82	19.78	19.70		
10	64QAM	1	25	19.97	19.94	19.79	21	2
10	64QAM	1	49	19.82	19.83	19.71		
10	64QAM	25	0	19.02	18.86	18.91		
10	64QAM	25	12	18.73	18.80	18.89	20	3
10	64QAM	25	25	18.95	18.98	19.00		
10	64QAM	50	0	18.80	18.89	18.87		
10	256QAM	1	0	16.71	16.61	16.89	18	5
10	256QAM	1	25	16.74	16.67	16.70		
10	256QAM	1	49	16.66	16.73	16.96		
10	256QAM	25	0	16.76	16.77	16.79	18	5
10	256QAM	25	12	16.62	16.71	16.77		
10	256QAM	25	25	16.79	16.73	16.77		
10	256QAM	50	0	16.63	16.74	16.91	Tune-up limit (dBm)	MPR (dB)
Channel				133147	133247	133447		
Frequency (MHz)				665.5	675.5	695.5		
5	QPSK	1	0	21.72	21.77	21.84	23	0
5	QPSK	1	12	21.77	21.81	21.71		
5	QPSK	1	24	21.64	21.55	21.67		
5	QPSK	12	0	20.96	21.09	20.69	22	1
5	QPSK	12	7	20.88	20.75	20.63		



5	QPSK	12	13	21.07	20.82	20.94		
5	QPSK	25	0	20.68	20.78	20.76		
5	16QAM	1	0	21.05	21.10	21.09	22	1
5	16QAM	1	12	21.04	21.19	21.16		
5	16QAM	1	24	21.19	20.96	21.46		
5	16QAM	12	0	19.98	19.82	19.69	21	2
5	16QAM	12	7	19.84	19.99	19.96		
5	16QAM	12	13	19.71	19.72	19.66		
5	16QAM	25	0	19.81	19.66	19.55		
5	64QAM	1	0	19.74	19.80	19.85	21	2
5	64QAM	1	12	19.93	19.87	19.75		
5	64QAM	1	24	19.87	19.75	19.82		
5	64QAM	12	0	18.81	18.95	18.72	20	3
5	64QAM	12	7	18.77	18.98	18.79		
5	64QAM	12	13	18.99	18.99	18.90		
5	64QAM	25	0	18.74	18.81	18.93		
5	256QAM	1	0	16.86	16.61	16.69	18	5
5	256QAM	1	12	16.84	16.65	16.65		
5	256QAM	1	24	16.82	16.69	16.88		
5	256QAM	12	0	16.84	16.72	16.83	18	5
5	256QAM	12	7	16.67	16.84	16.65		
5	256QAM	12	13	16.68	16.85	16.63		
5	256QAM	25	0	16.74	16.73	16.81		

### <TDD LTE SAR Measurement>

TDD LTE configuration setup for SAR measurement

SAR was tested with a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by 3GPP.

- 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations
- “special subframe S” contains both uplink and downlink transmissions, it has been taken into consideration to determine the transmission duty factor according to the worst case uplink and downlink cyclic prefix requirements for UpPTS
- Establishing connections with base station simulators ensure a consistent means for testing SAR and recommended for evaluating SAR. The Anritsu MT8820C (firmware: #22.52#004) was used for LTE output power measurements and SAR testing.

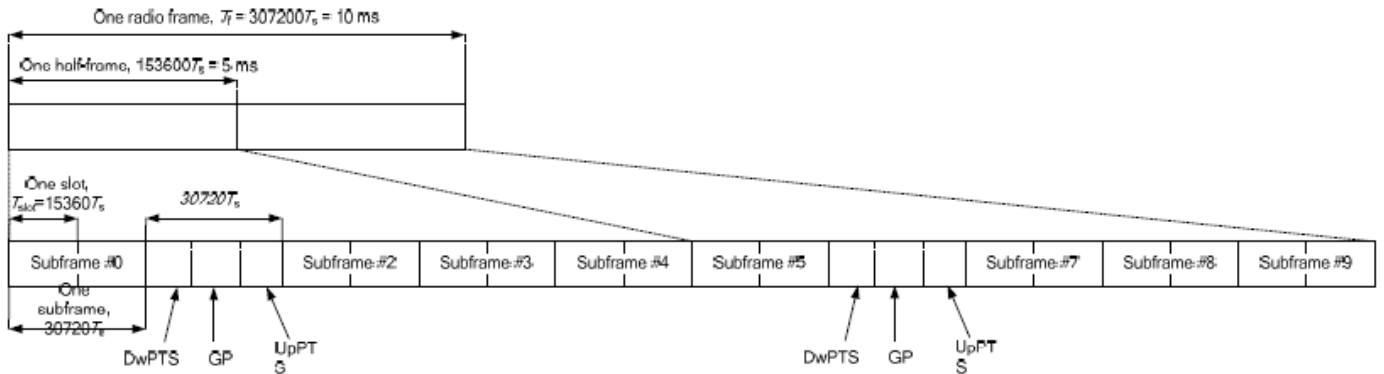


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity).

Table 4.2-2: Uplink-downlink configurations.

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS).

Special subframe configuration	Normal cyclic prefix in downlink				Extended cyclic prefix in downlink			
	DwPTS	UpPTS		DwPTS	UpPTS			
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$		
1	$19760 \cdot T_s$			$20480 \cdot T_s$				
2	$21952 \cdot T_s$			$23040 \cdot T_s$				
3	$24144 \cdot T_s$			$25600 \cdot T_s$				
4	$26336 \cdot T_s$	$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$				
5	$6592 \cdot T_s$	$20480 \cdot T_s$						
6	$19760 \cdot T_s$	$23040 \cdot T_s$						
7	$21952 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$12800 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$		
8	$24144 \cdot T_s$			-				-
9	$13168 \cdot T_s$			-			-	

Special subframe (30720·T <sub>s</sub> ): Normal cyclic prefix in downlink (UpPTS)			
	Special subframe configuration	Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
Uplink duty factor in one special subframe	0~4	7.13%	8.33%
	5~9	14.3%	16.7%

Special subframe(30720·T <sub>s</sub> ): Extended cyclic prefix in downlink (UpPTS)			
	Special subframe configuration	Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
Uplink duty factor in one special subframe	0~3	7.13%	8.33%
	4~7	14.3%	16.7%

The highest duty factor is resulted from:

For LTE TDD Power class 3

- i. Uplink-downlink configuration: 0. In a half-frame consisted of 5 subframes, uplink operation is in 3 uplink subframes and 1 special subframe.
- ii. special subframe configuration: 5-9 for normal cyclic prefix in downlink, 4-7 for extended cyclic prefix in downlink
- iii. for special subframe with extended cyclic prefix in uplink, the total uplink duty factor in one half-frame is:  $(3+0.167)/5 = 63.3\%$
- iv. for special subframe with normal cyclic prefix in uplink, the total uplink duty factor in one half-frame is:  $(3+0.143)/5 = 62.9\%$
- v. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix  $63.3\%/62.9\% = 1.006$  is applied to scale-up the measured SAR result. The scaled TDD LTE SAR = measured SAR (W/kg)\* Tune-up Scaling Factor\* scaling factor for extended cyclic prefix.



**Full&Default Power Mode**

**Band 38 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				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.69	22.84	22.53	24	0
20	QPSK	1	49	22.48	22.64	22.54		
20	QPSK	1	99	22.48	22.69	22.71		
20	QPSK	50	0	21.41	21.50	21.38	23	1
20	QPSK	50	24	21.48	21.49	21.45		
20	QPSK	50	50	21.32	21.48	21.48		
20	QPSK	100	0	21.38	21.50	21.30	23	1
20	16QAM	1	0	21.72	21.84	21.64		
20	16QAM	1	49	21.77	22.00	21.77		
20	16QAM	1	99	21.88	21.83	21.81	22	2
20	16QAM	50	0	20.47	20.68	20.53		
20	16QAM	50	24	20.32	20.35	20.39		
20	16QAM	50	50	20.35	20.51	20.33	21	3
20	16QAM	100	0	20.47	20.52	20.45		
20	64QAM	1	0	21.43	21.65	21.46		
20	64QAM	1	49	21.61	21.72	21.68	22	2
20	64QAM	1	99	21.58	21.68	21.62		
20	64QAM	50	0	20.52	20.56	20.60		
20	64QAM	50	24	20.31	20.36	20.39	19	5
20	64QAM	50	50	20.24	20.52	20.43		
20	64QAM	100	0	20.28	20.48	20.50		
20	256QAM	1	0	17.41	17.40	17.43	19	5
20	256QAM	1	49	17.45	17.43	17.43		
20	256QAM	1	99	17.35	17.49	17.42		
20	256QAM	50	0	17.20	17.38	17.37	19	5
20	256QAM	50	24	17.20	17.34	17.27		
20	256QAM	50	50	17.21	17.31	17.20		
20	256QAM	100	0	17.30	17.54	17.20		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.61	22.72	22.44	24	0
15	QPSK	1	37	22.46	22.52	22.43		
15	QPSK	1	74	22.44	22.63	22.60		
15	QPSK	36	0	21.32	21.37	21.28	23	1
15	QPSK	36	20	21.35	21.33	21.36		
15	QPSK	36	39	21.21	21.39	21.37		
15	QPSK	75	0	21.29	21.37	21.24	23	1
15	16QAM	1	0	21.64	21.71	21.59		
15	16QAM	1	37	21.66	21.92	21.74		
15	16QAM	1	74	21.80	21.78	21.67	22	2
15	16QAM	36	0	20.38	20.50	20.42		
15	16QAM	36	20	20.19	20.29	20.26		
15	16QAM	36	39	20.31	20.41	20.26	22	2
15	16QAM	75	0	20.45	20.40	20.33		
15	64QAM	1	0	21.29	21.52	21.35		
15	64QAM	1	37	21.56	21.56	21.58	21	3
15	64QAM	1	74	21.48	21.55	21.50		
15	64QAM	36	0	20.34	20.45	20.54		
15	64QAM	36	20	20.19	20.34	20.28		



15	64QAM	36	39	20.16	20.41	20.29		
15	64QAM	75	0	20.22	20.44	20.34		
15	256QAM	1	0	17.23	17.33	17.27	19	5
15	256QAM	1	37	17.35	17.32	17.37		
15	256QAM	1	74	17.29	17.41	17.29		
15	256QAM	36	0	17.14	17.25	17.30	19	5
15	256QAM	36	20	17.07	17.28	17.10		
15	256QAM	36	39	17.14	17.21	17.18		
15	256QAM	75	0	17.14	17.41	17.14		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.54	22.71	22.50	24	0
10	QPSK	1	25	22.33	22.54	22.44		
10	QPSK	1	49	22.38	22.63	22.60		
10	QPSK	25	0	21.36	21.32	21.34	23	1
10	QPSK	25	12	21.36	21.39	21.35		
10	QPSK	25	25	21.22	21.41	21.41		
10	QPSK	50	0	21.28	21.39	21.24		
10	16QAM	1	0	21.62	21.77	21.51	23	1
10	16QAM	1	25	21.65	21.88	21.67		
10	16QAM	1	49	21.81	21.75	21.70		
10	16QAM	25	0	20.38	20.52	20.45	22	2
10	16QAM	25	12	20.23	20.27	20.25		
10	16QAM	25	25	20.28	20.47	20.32		
10	16QAM	50	0	20.38	20.38	20.34		
10	64QAM	1	0	21.34	21.54	21.32	22	2
10	64QAM	1	25	21.56	21.63	21.59		
10	64QAM	1	49	21.50	21.64	21.51		
10	64QAM	25	0	20.35	20.51	20.50	21	3
10	64QAM	25	12	20.20	20.29	20.24		
10	64QAM	25	25	20.17	20.33	20.24		
10	64QAM	50	0	20.23	20.38	20.38		
10	256QAM	1	0	17.32	17.34	17.35	19	5
10	256QAM	1	25	17.35	17.28	17.36		
10	256QAM	1	49	17.22	17.43	17.31		
10	256QAM	25	0	17.16	17.29	17.22	19	5
10	256QAM	25	12	17.11	17.24	17.17		
10	256QAM	25	25	17.15	17.18	17.11		
10	256QAM	50	0	17.15	17.45	17.13		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.56	22.68	22.48	24	0
5	QPSK	1	12	22.41	22.54	22.46		
5	QPSK	1	24	22.40	22.62	22.59		
5	QPSK	12	0	21.34	21.32	21.37	23	1
5	QPSK	12	7	21.44	21.36	21.35		
5	QPSK	12	13	21.26	21.35	21.39		
5	QPSK	25	0	21.29	21.34	21.18		
5	16QAM	1	0	21.67	21.75	21.60	23	1
5	16QAM	1	12	21.63	21.88	21.73		
5	16QAM	1	24	21.81	21.79	21.70		
5	16QAM	12	0	20.36	20.59	20.38	22	2
5	16QAM	12	7	20.20	20.31	20.29		
5	16QAM	12	13	20.23	20.39	20.29		
5	16QAM	25	0	20.38	20.35	20.34		



5	64QAM	1	0	21.28	21.56	21.32	22	2
5	64QAM	1	12	21.57	21.59	21.57		
5	64QAM	1	24	21.44	21.59	21.50		
5	64QAM	12	0	20.40	20.50	20.56	21	3
5	64QAM	12	7	20.22	20.34	20.25		
5	64QAM	12	13	20.20	20.39	20.26		
5	64QAM	25	0	20.19	20.37	20.34		
5	256QAM	1	0	17.33	17.31	17.34	19	5
5	256QAM	1	12	17.38	17.33	17.39		
5	256QAM	1	24	17.21	17.35	17.33		
5	256QAM	12	0	17.14	17.31	17.28	19	5
5	256QAM	12	7	17.03	17.25	17.15		
5	256QAM	12	13	17.10	17.18	17.14		
5	256QAM	25	0	17.19	17.42	17.17		

### Band 41 Ant 3

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	22.69	22.43	22.77	22.74	22.47	24	0
20	QPSK	1	49	22.59	22.48	22.42	22.60	22.44		
20	QPSK	1	99	22.58	22.58	22.42	22.58	22.56		
20	QPSK	50	0	21.33	21.34	21.35	21.35	21.28	23	1
20	QPSK	50	24	21.40	21.43	21.46	21.38	21.39		
20	QPSK	50	50	21.35	21.39	21.26	21.37	21.35		
20	QPSK	100	0	21.35	21.23	21.37	21.34	21.27		
20	16QAM	1	0	21.70	21.52	21.59	21.70	21.54	23	1
20	16QAM	1	49	21.86	21.70	21.70	21.88	21.69		
20	16QAM	1	99	21.71	21.71	21.76	21.80	21.68		
20	16QAM	50	0	20.53	20.41	20.37	20.58	20.39	22	2
20	16QAM	50	24	20.29	20.34	20.16	20.30	20.32		
20	16QAM	50	50	20.43	20.23	20.22	20.40	20.25		
20	16QAM	100	0	20.36	20.35	20.46	20.35	20.26		
20	64QAM	1	0	21.54	21.36	21.35	21.55	21.36	22	2
20	64QAM	1	49	21.58	21.60	21.54	21.58	21.63		
20	64QAM	1	99	21.59	21.49	21.49	21.57	21.50		
20	64QAM	50	0	20.44	20.51	20.38	20.50	20.52	21	3
20	64QAM	50	24	20.35	20.30	20.19	20.32	20.25		
20	64QAM	50	50	20.40	20.29	20.23	20.33	20.31		
20	64QAM	100	0	20.39	20.35	20.18	20.37	20.32		
20	256QAM	1	0	17.37	17.28	17.32	17.33	17.27	19	5
20	256QAM	1	49	17.32	17.41	17.38	17.30	17.35		
20	256QAM	1	99	17.40	17.27	17.24	17.39	17.25		
20	256QAM	50	0	17.30	17.31	17.14	17.25	17.24	19	5
20	256QAM	50	24	17.27	17.13	17.06	17.23	17.15		
20	256QAM	50	50	17.18	17.15	17.14	17.18	17.17		
20	256QAM	100	0	17.41	17.14	17.20	17.16	17.08		
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	22.69	22.50	22.62	22.70	22.46	24	0
15	QPSK	1	37	22.53	22.43	22.34	22.59	22.47		
15	QPSK	1	74	22.59	22.54	22.44	22.61	22.53		



15	QPSK	36	0	21.32	21.29	21.32	21.39	21.35	23	1
15	QPSK	36	20	21.40	21.37	21.43	21.39	21.41		
15	QPSK	36	39	21.37	21.37	21.21	21.39	21.40		
15	QPSK	75	0	21.33	21.18	21.27	21.41	21.25		
15	16QAM	1	0	21.75	21.56	21.60	21.69	21.56	23	1
15	16QAM	1	37	21.91	21.65	21.65	21.86	21.68		
15	16QAM	1	74	21.77	21.70	21.73	21.74	21.67		
15	16QAM	36	0	20.54	20.44	20.37	20.51	20.45	22	2
15	16QAM	36	20	20.27	20.29	20.21	20.31	20.30		
15	16QAM	36	39	20.45	20.29	20.24	20.44	20.24		
15	16QAM	75	0	20.33	20.36	20.44	20.34	20.30		
15	64QAM	1	0	21.55	21.30	21.34	21.58	21.32	22	2
15	64QAM	1	37	21.55	21.59	21.54	21.55	21.59		
15	64QAM	1	74	21.63	21.50	21.46	21.56	21.51		
15	64QAM	36	0	20.45	20.55	20.37	20.48	20.53	21	3
15	64QAM	36	20	20.31	20.30	20.17	20.34	20.23		
15	64QAM	36	39	20.39	20.33	20.17	20.32	20.27		
15	64QAM	75	0	20.39	20.35	20.21	20.46	20.39		
15	256QAM	1	0	17.31	17.31	17.30	17.34	17.28	19	5
15	256QAM	1	37	17.31	17.40	17.35	17.33	17.35		
15	256QAM	1	74	17.38	17.30	17.27	17.41	17.25		
15	256QAM	36	0	17.27	17.22	17.14	17.23	17.22	19	5
15	256QAM	36	20	17.19	17.11	17.08	17.20	17.14		
15	256QAM	36	39	17.20	17.15	17.18	17.14	17.09		
15	256QAM	75	0	17.45	17.16	17.16	17.17	17.11		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.71	22.48	22.55	22.74	22.47	24	0
10	QPSK	1	25	22.53	22.40	22.34	22.62	22.44		
10	QPSK	1	49	22.56	22.59	22.44	22.59	22.55		
10	QPSK	25	0	21.37	21.37	21.34	21.29	21.38	23	1
10	QPSK	25	12	21.37	21.39	21.41	21.39	21.39		
10	QPSK	25	25	21.32	21.38	21.22	21.34	21.39		
10	QPSK	50	0	21.38	21.26	21.26	21.35	21.24		
10	16QAM	1	0	21.75	21.56	21.66	21.73	21.57	23	1
10	16QAM	1	25	21.87	21.74	21.66	21.87	21.73		
10	16QAM	1	49	21.77	21.66	21.77	21.77	21.70		
10	16QAM	25	0	20.58	20.40	20.39	20.55	20.43	22	2
10	16QAM	25	12	20.27	20.25	20.23	20.30	20.32		
10	16QAM	25	25	20.44	20.29	20.28	20.42	20.24		
10	16QAM	50	0	20.36	20.30	20.40	20.37	20.32		
10	64QAM	1	0	21.52	21.34	21.32	21.56	21.38	22	2
10	64QAM	1	25	21.62	21.59	21.55	21.62	21.59		
10	64QAM	1	49	21.62	21.57	21.51	21.54	21.56		
10	64QAM	25	0	20.45	20.55	20.44	20.51	20.52	21	3
10	64QAM	25	12	20.31	20.32	20.22	20.27	20.26		
10	64QAM	25	25	20.37	20.33	20.19	20.34	20.33		
10	64QAM	50	0	20.40	20.31	20.24	20.41	20.37		
10	256QAM	1	0	17.36	17.29	17.29	17.31	17.27	19	5
10	256QAM	1	25	17.33	17.37	17.31	17.24	17.31		
10	256QAM	1	49	17.38	17.25	17.22	17.42	17.23		
10	256QAM	25	0	17.31	17.27	17.11	17.26	17.22	19	5
10	256QAM	25	12	17.27	17.19	17.06	17.21	17.15		
10	256QAM	25	25	17.19	17.08	17.16	17.21	17.13		
10	256QAM	50	0	17.43	17.18	17.17	17.24	17.16		
Channel				39675	40148	40620	41093	41565	Tune-up	MPR





Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	limit (dBm)	(dB)
5	QPSK	1	0	22.74	22.50	22.54	22.74	22.42	24	0
5	QPSK	1	12	22.58	22.47	22.41	22.59	22.38		
5	QPSK	1	24	22.55	22.61	22.38	22.64	22.58		
5	QPSK	12	0	21.34	21.31	21.30	21.29	21.31	23	1
5	QPSK	12	7	21.38	21.36	21.37	21.38	21.44		
5	QPSK	12	13	21.42	21.35	21.26	21.33	21.39		
5	QPSK	25	0	21.40	21.19	21.29	21.41	21.17		
5	16QAM	1	0	21.70	21.54	21.60	21.69	21.54	23	1
5	16QAM	1	12	21.86	21.69	21.73	21.87	21.68		
5	16QAM	1	24	21.77	21.71	21.75	21.75	21.65		
5	16QAM	12	0	20.57	20.38	20.39	20.56	20.37	22	2
5	16QAM	12	7	20.30	20.32	20.19	20.27	20.31		
5	16QAM	12	13	20.46	20.26	20.26	20.48	20.23		
5	16QAM	25	0	20.40	20.26	20.44	20.33	20.28		
5	64QAM	1	0	21.49	21.28	21.31	21.49	21.30		
5	64QAM	1	12	21.62	21.57	21.56	21.60	21.58	22	2
5	64QAM	1	24	21.64	21.52	21.52	21.57	21.49		
5	64QAM	12	0	20.43	20.54	20.44	20.42	20.58		
5	64QAM	12	7	20.26	20.23	20.17	20.31	20.30	21	3
5	64QAM	12	13	20.34	20.27	20.16	20.34	20.26		
5	64QAM	25	0	20.43	20.38	20.27	20.46	20.37		
5	256QAM	1	0	17.31	17.36	17.30	17.35	17.33		
5	256QAM	1	12	17.31	17.35	17.31	17.28	17.39	19	5
5	256QAM	1	24	17.43	17.26	17.21	17.41	17.29		
5	256QAM	12	0	17.28	17.23	17.16	17.29	17.30	19	5
5	256QAM	12	7	17.27	17.18	17.03	17.23	17.10		
5	256QAM	12	13	17.23	17.14	17.15	17.21	17.10		
5	256QAM	25	0	17.37	17.11	17.12	17.23	17.10		

### Band 42 FCC Part27Q 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				42190	42590	42990	24	0
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.54	22.64	22.59		
20	QPSK	1	49	22.59	22.58	22.61	23	1
20	QPSK	1	99	22.60	22.63	22.54		
20	QPSK	50	0	21.67	21.84	21.63		
20	QPSK	50	24	21.73	21.65	21.65		
20	QPSK	50	50	21.82	21.69	21.70	23	1
20	QPSK	100	0	21.65	21.76	21.70		
20	16QAM	1	0	22.02	22.01	22.03		
20	16QAM	1	49	21.95	22.05	22.08	23	1
20	16QAM	1	99	22.04	22.03	22.22		
20	16QAM	50	0	20.83	20.75	20.64	22	2
20	16QAM	50	24	20.71	20.72	20.78		
20	16QAM	50	50	20.74	20.68	20.70		
20	16QAM	100	0	20.64	20.70	20.55		
20	64QAM	1	0	20.72	20.74	20.67	22	2
20	64QAM	1	49	20.75	20.69	20.66		
20	64QAM	1	99	20.64	20.70	20.69		
20	64QAM	50	0	19.88	19.77	19.68	21	3
20	64QAM	50	24	19.74	19.72	19.78		



20	64QAM	50	50	19.90	19.85	19.79		
20	64QAM	100	0	19.66	19.80	19.80		
20	256QAM	1	0	17.63	17.49	17.62	19	5
20	256QAM	1	49	17.71	17.65	17.59		
20	256QAM	1	99	17.57	17.59	17.71		
20	256QAM	50	0	17.71	17.54	17.67	19	5
20	256QAM	50	24	17.61	17.60	17.55		
20	256QAM	50	50	17.62	17.63	17.62		
20	256QAM	100	0	17.59	17.65	17.63		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	22.49	22.57	22.44	24	0
15	QPSK	1	37	22.45	22.45	22.49		
15	QPSK	1	74	22.49	22.49	22.41		
15	QPSK	36	0	21.61	21.76	21.58	23	1
15	QPSK	36	20	21.65	21.58	21.50		
15	QPSK	36	39	21.68	21.54	21.64		
15	QPSK	75	0	21.51	21.70	21.57		
15	16QAM	1	0	21.95	21.92	21.96	23	1
15	16QAM	1	37	21.84	21.97	22.00		
15	16QAM	1	74	21.91	21.97	22.13		
15	16QAM	36	0	20.77	20.69	20.52	22	2
15	16QAM	36	20	20.61	20.65	20.71		
15	16QAM	36	39	20.69	20.57	20.64		
15	16QAM	75	0	20.53	20.62	20.43		
15	64QAM	1	0	20.64	20.67	20.61	22	2
15	64QAM	1	37	20.68	20.63	20.58		
15	64QAM	1	74	20.56	20.64	20.59		
15	64QAM	36	0	19.76	19.72	19.58	21	3
15	64QAM	36	20	19.60	19.57	19.70		
15	64QAM	36	39	19.80	19.73	19.71		
15	64QAM	75	0	19.59	19.74	19.65		
15	256QAM	1	0	17.49	17.43	17.55	19	5
15	256QAM	1	37	17.62	17.55	17.51		
15	256QAM	1	74	17.48	17.48	17.60		
15	256QAM	36	0	17.64	17.45	17.52	19	5
15	256QAM	36	20	17.51	17.49	17.42		
15	256QAM	36	39	17.50	17.57	17.54		
15	256QAM	75	0	17.44	17.59	17.56		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	22.42	22.51	22.49	24	0
10	QPSK	1	25	22.48	22.47	22.48		
10	QPSK	1	49	22.49	22.51	22.44		
10	QPSK	25	0	21.57	21.79	21.54	23	1
10	QPSK	25	12	21.65	21.56	21.54		
10	QPSK	25	25	21.73	21.58	21.63		
10	QPSK	50	0	21.50	21.68	21.63		
10	16QAM	1	0	21.94	21.92	21.92	23	1
10	16QAM	1	25	21.84	21.99	21.99		
10	16QAM	1	49	21.96	21.92	22.14		
10	16QAM	25	0	20.68	20.61	20.56	22	2
10	16QAM	25	12	20.60	20.59	20.65		
10	16QAM	25	25	20.63	20.62	20.58		
10	16QAM	50	0	20.51	20.58	20.41		



10	64QAM	1	0	20.62	20.67	20.60	22	2
10	64QAM	1	25	20.61	20.58	20.54		
10	64QAM	1	49	20.59	20.64	20.58		
10	64QAM	25	0	19.83	19.70	19.60	21	3
10	64QAM	25	12	19.68	19.62	19.70		
10	64QAM	25	25	19.77	19.70	19.66		
10	64QAM	50	0	19.52	19.73	19.66	19	5
10	256QAM	1	0	17.48	17.41	17.49		
10	256QAM	1	25	17.66	17.54	17.49		
10	256QAM	1	49	17.48	17.50	17.60	19	5
10	256QAM	25	0	17.57	17.40	17.62		
10	256QAM	25	12	17.49	17.48	17.41		
10	256QAM	25	25	17.52	17.50	17.49	19	5
10	256QAM	50	0	17.53	17.50	17.51		
Channel				42115	42590	43065		
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	22.49	22.51	22.48	24	0
5	QPSK	1	12	22.47	22.46	22.55		
5	QPSK	1	24	22.52	22.54	22.45		
5	QPSK	12	0	21.53	21.70	21.56	23	1
5	QPSK	12	7	21.67	21.52	21.56		
5	QPSK	12	13	21.68	21.58	21.61		
5	QPSK	25	0	21.59	21.63	21.63	23	1
5	16QAM	1	0	21.89	21.95	21.94		
5	16QAM	1	12	21.89	21.93	21.94		
5	16QAM	1	24	21.99	21.88	22.08	22	2
5	16QAM	12	0	20.78	20.68	20.50		
5	16QAM	12	7	20.56	20.66	20.71		
5	16QAM	12	13	20.65	20.55	20.62	22	2
5	16QAM	25	0	20.53	20.64	20.50		
5	64QAM	1	0	20.67	20.68	20.59		
5	64QAM	1	12	20.69	20.54	20.55	22	2
5	64QAM	1	24	20.53	20.64	20.58		
5	64QAM	12	0	19.79	19.71	19.55		
5	64QAM	12	7	19.69	19.67	19.65	21	3
5	64QAM	12	13	19.83	19.70	19.73		
5	64QAM	25	0	19.60	19.74	19.68		
5	256QAM	1	0	17.57	17.34	17.49	19	5
5	256QAM	1	12	17.64	17.52	17.46		
5	256QAM	1	24	17.52	17.47	17.65		
5	256QAM	12	0	17.64	17.47	17.61	19	5
5	256QAM	12	7	17.51	17.52	17.47		
5	256QAM	12	13	17.52	17.57	17.50		
5	256QAM	25	0	17.45	17.55	17.50		

### Reduced Power Mode for DSI 0

## Band 38 Ant 3 DSI0

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	21.63	22.00	21.94	23.6	0
20	QPSK	1	49	21.65	21.61	21.80		
20	QPSK	1	99	21.81	21.60	21.74		
20	QPSK	50	0	21.41	21.50	21.38	23	0.6



20	QPSK	50	24	21.48	21.49	21.45		
20	QPSK	50	50	21.32	21.48	21.48		
20	QPSK	100	0	21.38	21.50	21.30		
20	16QAM	1	0	21.72	21.84	21.64	23	0.6
20	16QAM	1	49	21.77	22.00	21.77		
20	16QAM	1	99	21.88	21.83	21.81		
20	16QAM	50	0	20.47	20.68	20.53	22	1.6
20	16QAM	50	24	20.32	20.35	20.39		
20	16QAM	50	50	20.35	20.51	20.33		
20	16QAM	100	0	20.47	20.52	20.45		
20	64QAM	1	0	21.43	21.65	21.46	22	1.6
20	64QAM	1	49	21.61	21.72	21.68		
20	64QAM	1	99	21.58	21.68	21.62		
20	64QAM	50	0	20.52	20.56	20.60	21	2.6
20	64QAM	50	24	20.31	20.36	20.39		
20	64QAM	50	50	20.24	20.52	20.43		
20	64QAM	100	0	20.28	20.48	20.50		
20	256QAM	1	0	17.41	17.40	17.43	19	4.6
20	256QAM	1	49	17.45	17.43	17.43		
20	256QAM	1	99	17.35	17.49	17.42		
20	256QAM	50	0	17.20	17.38	17.37	19	4.6
20	256QAM	50	24	17.20	17.34	17.27		
20	256QAM	50	50	17.21	17.31	17.20		
20	256QAM	100	0	17.30	17.54	17.20		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.67	21.94	21.92	23.6	0
15	QPSK	1	37	21.64	21.63	21.76		
15	QPSK	1	74	21.76	21.64	21.77		
15	QPSK	36	0	21.32	21.37	21.28	23	0.6
15	QPSK	36	20	21.35	21.33	21.36		
15	QPSK	36	39	21.21	21.39	21.37		
15	QPSK	75	0	21.29	21.37	21.24		
15	16QAM	1	0	21.64	21.71	21.59	23	0.6
15	16QAM	1	37	21.66	21.92	21.74		
15	16QAM	1	74	21.80	21.78	21.67		
15	16QAM	36	0	20.38	20.50	20.42	22	1.6
15	16QAM	36	20	20.19	20.29	20.26		
15	16QAM	36	39	20.31	20.41	20.26		
15	16QAM	75	0	20.45	20.40	20.33		
15	64QAM	1	0	21.29	21.52	21.35	22	1.6
15	64QAM	1	37	21.56	21.56	21.58		
15	64QAM	1	74	21.48	21.55	21.50		
15	64QAM	36	0	20.34	20.45	20.54	21	2.6
15	64QAM	36	20	20.19	20.34	20.28		
15	64QAM	36	39	20.16	20.41	20.29		
15	64QAM	75	0	20.22	20.44	20.34		
15	256QAM	1	0	17.23	17.33	17.27	19	4.6
15	256QAM	1	37	17.35	17.32	17.37		
15	256QAM	1	74	17.29	17.41	17.29		
15	256QAM	36	0	17.14	17.25	17.30	19	4.6
15	256QAM	36	20	17.07	17.28	17.10		
15	256QAM	36	39	17.14	17.21	17.18		
15	256QAM	75	0	17.14	17.41	17.14		
Channel				37800	38000	38200	Tune-up limit	MPR (dB)
Frequency (MHz)				2575	2595	2615		



							(dBm)			
10	QPSK	1	0	21.64	21.99	21.90	23.6	0		
10	QPSK	1	25	21.71	21.62	21.80				
10	QPSK	1	49	21.72	21.63	21.77				
10	QPSK	25	0	21.36	21.32	21.34	23	0.6		
10	QPSK	25	12	21.36	21.39	21.35				
10	QPSK	25	25	21.22	21.41	21.41				
10	QPSK	50	0	21.28	21.39	21.24	23	0.6		
10	16QAM	1	0	21.62	21.77	21.51				
10	16QAM	1	25	21.65	21.88	21.67				
10	16QAM	1	49	21.81	21.75	21.70	22	1.6		
10	16QAM	25	0	20.38	20.52	20.45				
10	16QAM	25	12	20.23	20.27	20.25				
10	16QAM	25	25	20.28	20.47	20.32	22	1.6		
10	16QAM	50	0	20.38	20.38	20.34				
10	64QAM	1	0	21.34	21.54	21.32				
10	64QAM	1	25	21.56	21.63	21.59	22	1.6		
10	64QAM	1	49	21.50	21.64	21.51				
10	64QAM	25	0	20.35	20.51	20.50				
10	64QAM	25	12	20.20	20.29	20.24	21	2.6		
10	64QAM	25	25	20.17	20.33	20.24				
10	64QAM	50	0	20.23	20.38	20.38				
10	256QAM	1	0	17.32	17.34	17.35	19	4.6		
10	256QAM	1	25	17.35	17.28	17.36				
10	256QAM	1	49	17.22	17.43	17.31				
10	256QAM	25	0	17.16	17.29	17.22	19	4.6		
10	256QAM	25	12	17.11	17.24	17.17				
10	256QAM	25	25	17.15	17.18	17.11				
10	256QAM	50	0	17.15	17.45	17.13	19	4.6		
Channel				37775	38000	38225			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	21.63	21.92	21.97	23.6	0		
5	QPSK	1	12	21.63	21.62	21.75				
5	QPSK	1	24	21.80	21.65	21.82				
5	QPSK	12	0	21.34	21.32	21.37	23	0.6		
5	QPSK	12	7	21.44	21.36	21.35				
5	QPSK	12	13	21.26	21.35	21.39				
5	QPSK	25	0	21.29	21.34	21.18	23	0.6		
5	16QAM	1	0	21.67	21.75	21.60				
5	16QAM	1	12	21.63	21.88	21.73				
5	16QAM	1	24	21.81	21.79	21.70	22	1.6		
5	16QAM	12	0	20.36	20.59	20.38				
5	16QAM	12	7	20.20	20.31	20.29				
5	16QAM	12	13	20.23	20.39	20.29	22	1.6		
5	16QAM	25	0	20.38	20.35	20.34				
5	64QAM	1	0	21.28	21.56	21.32				
5	64QAM	1	12	21.57	21.59	21.57	22	1.6		
5	64QAM	1	24	21.44	21.59	21.50				
5	64QAM	12	0	20.40	20.50	20.56				
5	64QAM	12	7	20.22	20.34	20.25	21	2.6		
5	64QAM	12	13	20.20	20.39	20.26				
5	64QAM	25	0	20.19	20.37	20.34				
5	256QAM	1	0	17.33	17.31	17.34	19	4.6		
5	256QAM	1	12	17.38	17.33	17.39				
5	256QAM	1	24	17.21	17.35	17.33				
5	256QAM	12	0	17.14	17.31	17.28	19	4.6		



5	256QAM	12	7	17.03	17.25	17.15		
5	256QAM	12	13	17.10	17.18	17.14		
5	256QAM	25	0	17.19	17.42	17.17		

## Band 41 Ant 3 DSI0

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	21.99	21.71	22.06	21.99	21.74	23.6	0
20	QPSK	1	49	21.83	21.75	21.75	21.86	21.76		
20	QPSK	1	99	21.88	21.90	21.69	21.83	21.89		
20	QPSK	50	0	21.33	21.34	21.35	21.35	21.28	23	0.6
20	QPSK	50	24	21.40	21.43	21.46	21.38	21.39		
20	QPSK	50	50	21.35	21.39	21.26	21.37	21.35		
20	QPSK	100	0	21.35	21.23	21.37	21.34	21.27	23	0.6
20	16QAM	1	0	21.70	21.52	21.59	21.70	21.54		
20	16QAM	1	49	21.86	21.70	21.70	21.88	21.69		
20	16QAM	1	99	21.71	21.71	21.76	21.80	21.68	22	1.6
20	16QAM	50	0	20.53	20.41	20.37	20.58	20.39		
20	16QAM	50	24	20.29	20.34	20.16	20.30	20.32		
20	16QAM	50	50	20.43	20.23	20.22	20.40	20.25	22	1.6
20	16QAM	100	0	20.36	20.35	20.46	20.35	20.26		
20	64QAM	1	0	21.54	21.36	21.35	21.55	21.36		
20	64QAM	1	49	21.58	21.60	21.54	21.58	21.63	22	1.6
20	64QAM	1	99	21.59	21.49	21.49	21.57	21.50		
20	64QAM	50	0	20.44	20.51	20.38	20.50	20.52		
20	64QAM	50	24	20.35	20.30	20.19	20.32	20.25	21	2.6
20	64QAM	50	50	20.40	20.29	20.23	20.33	20.31		
20	64QAM	100	0	20.39	20.35	20.18	20.37	20.32		
20	256QAM	1	0	17.37	17.28	17.32	17.33	17.27	19	4.6
20	256QAM	1	49	17.32	17.41	17.38	17.30	17.35		
20	256QAM	1	99	17.40	17.27	17.24	17.39	17.25		
20	256QAM	50	0	17.30	17.31	17.14	17.25	17.24	19	4.6
20	256QAM	50	24	17.27	17.13	17.06	17.23	17.15		
20	256QAM	50	50	17.18	17.15	17.14	17.18	17.17		
20	256QAM	100	0	17.41	17.14	17.20	17.16	17.08		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.92	21.64	21.94	21.95	21.63	24	0
15	QPSK	1	37	21.75	21.68	21.65	21.80	21.66		
15	QPSK	1	74	21.74	21.80	21.61	21.81	21.71		
15	QPSK	36	0	21.32	21.29	21.32	21.39	21.35	23	0.6
15	QPSK	36	20	21.40	21.37	21.43	21.39	21.41		
15	QPSK	36	39	21.37	21.37	21.21	21.39	21.40		
15	QPSK	75	0	21.33	21.18	21.27	21.41	21.25	23	0.6
15	16QAM	1	0	21.75	21.56	21.60	21.69	21.56		
15	16QAM	1	37	21.91	21.65	21.65	21.86	21.68		
15	16QAM	1	74	21.77	21.70	21.73	21.74	21.67	22	1.6
15	16QAM	36	0	20.54	20.44	20.37	20.51	20.45		
15	16QAM	36	20	20.27	20.29	20.21	20.31	20.30		
15	16QAM	36	39	20.45	20.29	20.24	20.44	20.24	22	1.6
15	16QAM	75	0	20.33	20.36	20.44	20.34	20.30		



15	64QAM	1	0	21.55	21.30	21.34	21.58	21.32	22	1.6		
15	64QAM	1	37	21.55	21.59	21.54	21.55	21.59				
15	64QAM	1	74	21.63	21.50	21.46	21.56	21.51				
15	64QAM	36	0	20.45	20.55	20.37	20.48	20.53	21	2.6		
15	64QAM	36	20	20.31	20.30	20.17	20.34	20.23				
15	64QAM	36	39	20.39	20.33	20.17	20.32	20.27				
15	64QAM	75	0	20.39	20.35	20.21	20.46	20.39	19	4.6		
15	256QAM	1	0	17.31	17.31	17.30	17.34	17.28				
15	256QAM	1	37	17.31	17.40	17.35	17.33	17.35				
15	256QAM	1	74	17.38	17.30	17.27	17.41	17.25	19	4.6		
15	256QAM	36	0	17.27	17.22	17.14	17.23	17.22				
15	256QAM	36	20	17.19	17.11	17.08	17.20	17.14				
15	256QAM	36	39	17.20	17.15	17.18	17.14	17.09	19	4.6		
15	256QAM	75	0	17.45	17.16	17.16	17.17	17.11				
Channel				39700	40160	40620	41080	41540			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	21.87	21.67	21.97	21.90	21.64	24	0		
10	QPSK	1	25	21.78	21.63	21.63	21.82	21.66				
10	QPSK	1	49	21.78	21.80	21.62	21.75	21.79				
10	QPSK	25	0	21.37	21.37	21.34	21.29	21.38	23	0.6		
10	QPSK	25	12	21.37	21.39	21.41	21.39	21.39				
10	QPSK	25	25	21.32	21.38	21.22	21.34	21.39				
10	QPSK	50	0	21.38	21.26	21.26	21.35	21.24	23	0.6		
10	16QAM	1	0	21.75	21.56	21.66	21.73	21.57				
10	16QAM	1	25	21.87	21.74	21.66	21.87	21.73				
10	16QAM	1	49	21.77	21.66	21.77	21.77	21.70	22	1.6		
10	16QAM	25	0	20.58	20.40	20.39	20.55	20.43				
10	16QAM	25	12	20.27	20.25	20.23	20.30	20.32				
10	16QAM	25	25	20.44	20.29	20.28	20.42	20.24	22	1.6		
10	16QAM	50	0	20.36	20.30	20.40	20.37	20.32				
10	64QAM	1	0	21.52	21.34	21.32	21.56	21.38				
10	64QAM	1	25	21.62	21.59	21.55	21.62	21.59	22	1.6		
10	64QAM	1	49	21.62	21.57	21.51	21.54	21.56				
10	64QAM	25	0	20.45	20.55	20.44	20.51	20.52				
10	64QAM	25	12	20.31	20.32	20.22	20.27	20.26	21	2.6		
10	64QAM	25	25	20.37	20.33	20.19	20.34	20.33				
10	64QAM	50	0	20.40	20.31	20.24	20.41	20.37				
10	256QAM	1	0	17.36	17.29	17.29	17.31	17.27	19	4.6		
10	256QAM	1	25	17.33	17.37	17.31	17.24	17.31				
10	256QAM	1	49	17.38	17.25	17.22	17.42	17.23				
10	256QAM	25	0	17.31	17.27	17.11	17.26	17.22	19	4.6		
10	256QAM	25	12	17.27	17.19	17.06	17.21	17.15				
10	256QAM	25	25	17.19	17.08	17.16	17.21	17.13				
10	256QAM	50	0	17.43	17.18	17.17	17.24	17.16	19	4.6		
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	21.91	21.64	21.93	21.88	21.68	24	0		
5	QPSK	1	12	21.77	21.70	21.65	21.77	21.61				
5	QPSK	1	24	21.79	21.78	21.62	21.80	21.78				
5	QPSK	12	0	21.34	21.31	21.30	21.29	21.31	23	0.6		
5	QPSK	12	7	21.38	21.36	21.37	21.38	21.44				
5	QPSK	12	13	21.42	21.35	21.26	21.33	21.39				
5	QPSK	25	0	21.40	21.19	21.29	21.41	21.17	23	0.6		
5	16QAM	1	0	21.70	21.54	21.60	21.69	21.54				
5	16QAM	1	12	21.86	21.69	21.73	21.87	21.68				



5	16QAM	1	24	21.77	21.71	21.75	21.75	21.65		
5	16QAM	12	0	20.57	20.38	20.39	20.56	20.37	22	1.6
5	16QAM	12	7	20.30	20.32	20.19	20.27	20.31		
5	16QAM	12	13	20.46	20.26	20.26	20.48	20.23		
5	16QAM	25	0	20.40	20.26	20.44	20.33	20.28		
5	64QAM	1	0	21.49	21.28	21.31	21.49	21.30	22	1.6
5	64QAM	1	12	21.62	21.57	21.56	21.60	21.58		
5	64QAM	1	24	21.64	21.52	21.52	21.57	21.49		
5	64QAM	12	0	20.43	20.54	20.44	20.42	20.58	21	2.6
5	64QAM	12	7	20.26	20.23	20.17	20.31	20.30		
5	64QAM	12	13	20.34	20.27	20.16	20.34	20.26		
5	64QAM	25	0	20.43	20.38	20.27	20.46	20.37		
5	256QAM	1	0	17.31	17.36	17.30	17.35	17.33	19	4.6
5	256QAM	1	12	17.31	17.35	17.31	17.28	17.39		
5	256QAM	1	24	17.43	17.26	17.21	17.41	17.29		
5	256QAM	12	0	17.28	17.23	17.16	17.29	17.30	19	4.6
5	256QAM	12	7	17.27	17.18	17.03	17.23	17.10		
5	256QAM	12	13	17.23	17.14	17.15	17.21	17.10		
5	256QAM	25	0	17.37	17.11	17.12	17.23	17.10		

## Band 42 FCC Part27Q Ant 4 DSI0

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				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.54	22.64	22.59	24	0
20	QPSK	1	49	22.59	22.58	22.61		
20	QPSK	1	99	22.60	22.63	22.54		
20	QPSK	50	0	21.67	21.84	21.63	23	1
20	QPSK	50	24	21.73	21.65	21.65		
20	QPSK	50	50	21.82	21.69	21.70		
20	QPSK	100	0	21.65	21.76	21.70	23	1
20	16QAM	1	0	22.02	22.01	22.03		
20	16QAM	1	49	21.95	22.05	22.08		
20	16QAM	1	99	22.04	22.03	22.22	22	2
20	16QAM	50	0	20.83	20.75	20.64		
20	16QAM	50	24	20.71	20.72	20.78		
20	16QAM	50	50	20.74	20.68	20.70	22	2
20	16QAM	100	0	20.64	20.70	20.55		
20	64QAM	1	0	20.72	20.74	20.67		
20	64QAM	1	49	20.75	20.69	20.66	21	3
20	64QAM	1	99	20.64	20.70	20.69		
20	64QAM	50	0	19.88	19.77	19.68		
20	64QAM	50	24	19.74	19.72	19.78	19	5
20	64QAM	50	50	19.90	19.85	19.79		
20	64QAM	100	0	19.66	19.80	19.80		
20	256QAM	1	0	17.63	17.49	17.62	19	5
20	256QAM	1	49	17.71	17.65	17.59		
20	256QAM	1	99	17.57	17.59	17.71		
20	256QAM	50	0	17.71	17.54	17.67	19	5
20	256QAM	50	24	17.61	17.60	17.55		
20	256QAM	50	50	17.62	17.63	17.62		
20	256QAM	100	0	17.59	17.65	17.63		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		





							(dBm)	
15	QPSK	1	0	22.49	22.57	22.44	24	0
15	QPSK	1	37	22.45	22.45	22.49		
15	QPSK	1	74	22.49	22.49	22.41		
15	QPSK	36	0	21.61	21.76	21.58	23	1
15	QPSK	36	20	21.65	21.58	21.50		
15	QPSK	36	39	21.68	21.54	21.64		
15	QPSK	75	0	21.51	21.70	21.57	23	1
15	16QAM	1	0	21.95	21.92	21.96		
15	16QAM	1	37	21.84	21.97	22.00		
15	16QAM	1	74	21.91	21.97	22.13	22	2
15	16QAM	36	0	20.77	20.69	20.52		
15	16QAM	36	20	20.61	20.65	20.71		
15	16QAM	36	39	20.69	20.57	20.64	22	2
15	16QAM	75	0	20.53	20.62	20.43		
15	64QAM	1	0	20.64	20.67	20.61		
15	64QAM	1	37	20.68	20.63	20.58	22	2
15	64QAM	1	74	20.56	20.64	20.59		
15	64QAM	36	0	19.76	19.72	19.58		
15	64QAM	36	20	19.60	19.57	19.70	21	3
15	64QAM	36	39	19.80	19.73	19.71		
15	64QAM	75	0	19.59	19.74	19.65		
15	256QAM	1	0	17.49	17.43	17.55	19	5
15	256QAM	1	37	17.62	17.55	17.51		
15	256QAM	1	74	17.48	17.48	17.60		
15	256QAM	36	0	17.64	17.45	17.52	19	5
15	256QAM	36	20	17.51	17.49	17.42		
15	256QAM	36	39	17.50	17.57	17.54		
15	256QAM	75	0	17.44	17.59	17.56	19	5
Channel				42140	42590	43040		
Frequency (MHz)				3455	3500	3545		
							Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	22.42	22.51	22.49	24	0
10	QPSK	1	25	22.48	22.47	22.48		
10	QPSK	1	49	22.49	22.51	22.44		
10	QPSK	25	0	21.57	21.79	21.54	23	1
10	QPSK	25	12	21.65	21.56	21.54		
10	QPSK	25	25	21.73	21.58	21.63		
10	QPSK	50	0	21.50	21.68	21.63	23	1
10	16QAM	1	0	21.94	21.92	21.92		
10	16QAM	1	25	21.84	21.99	21.99		
10	16QAM	1	49	21.96	21.92	22.14	22	2
10	16QAM	25	0	20.68	20.61	20.56		
10	16QAM	25	12	20.60	20.59	20.65		
10	16QAM	25	25	20.63	20.62	20.58	22	2
10	16QAM	50	0	20.51	20.58	20.41		
10	64QAM	1	0	20.62	20.67	20.60		
10	64QAM	1	25	20.61	20.58	20.54	22	2
10	64QAM	1	49	20.59	20.64	20.58		
10	64QAM	25	0	19.83	19.70	19.60		
10	64QAM	25	12	19.68	19.62	19.70	21	3
10	64QAM	25	25	19.77	19.70	19.66		
10	64QAM	50	0	19.52	19.73	19.66		
10	256QAM	1	0	17.48	17.41	17.49	19	5
10	256QAM	1	25	17.66	17.54	17.49		
10	256QAM	1	49	17.48	17.50	17.60		
10	256QAM	25	0	17.57	17.40	17.62	19	5



10	256QAM	25	12	17.49	17.48	17.41		
10	256QAM	25	25	17.52	17.50	17.49		
10	256QAM	50	0	17.53	17.50	17.51		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	22.49	22.51	22.48	24	0
5	QPSK	1	12	22.47	22.46	22.55		
5	QPSK	1	24	22.52	22.54	22.45		
5	QPSK	12	0	21.53	21.70	21.56	23	1
5	QPSK	12	7	21.67	21.52	21.56		
5	QPSK	12	13	21.68	21.58	21.61		
5	QPSK	25	0	21.59	21.63	21.63	23	1
5	16QAM	1	0	21.89	21.95	21.94		
5	16QAM	1	12	21.89	21.93	21.94		
5	16QAM	1	24	21.99	21.88	22.08	22	2
5	16QAM	12	0	20.78	20.68	20.50		
5	16QAM	12	7	20.56	20.66	20.71		
5	16QAM	12	13	20.65	20.55	20.62	22	2
5	16QAM	25	0	20.53	20.64	20.50		
5	64QAM	1	0	20.67	20.68	20.59		
5	64QAM	1	12	20.69	20.54	20.55	22	2
5	64QAM	1	24	20.53	20.64	20.58		
5	64QAM	12	0	19.79	19.71	19.55		
5	64QAM	12	7	19.69	19.67	19.65	21	3
5	64QAM	12	13	19.83	19.70	19.73		
5	64QAM	25	0	19.60	19.74	19.68		
5	256QAM	1	0	17.57	17.34	17.49	19	5
5	256QAM	1	12	17.64	17.52	17.46		
5	256QAM	1	24	17.52	17.47	17.65		
5	256QAM	12	0	17.64	17.47	17.61	19	5
5	256QAM	12	7	17.51	17.52	17.47		
5	256QAM	12	13	17.52	17.57	17.50		
5	256QAM	25	0	17.45	17.55	17.50		

### Reduced Power Mode for DSI 1

## Band 38 Ant 3 DSI1

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	21.08	21.49	21.43	22.2	0
20	QPSK	1	49	21.12	21.06	21.30		
20	QPSK	1	99	21.20	21.11	21.25		
20	QPSK	50	0	21.05	21.27	21.10	22.2	0
20	QPSK	50	24	21.09	21.16	21.03		
20	QPSK	50	50	21.13	20.95	21.12		
20	QPSK	100	0	20.97	21.11	21.04	22.2	0
20	16QAM	1	0	20.93	21.19	21.13		
20	16QAM	1	49	20.92	20.84	21.06		
20	16QAM	1	99	21.05	20.97	21.06	22	0.2
20	16QAM	50	0	20.83	21.25	21.25		
20	16QAM	50	24	20.99	20.88	21.03		
20	16QAM	50	50	21.10	20.79	21.11	22	0.2
20	16QAM	100	0	20.75	21.08	20.79		
20	64QAM	1	0	20.93	20.99	20.92	22	0.2



20	64QAM	1	49	20.82	20.83	20.82		
20	64QAM	1	99	20.75	20.94	20.82		
20	64QAM	50	0	20.47	20.41	20.48	21	1.2
20	64QAM	50	24	20.29	20.21	20.32		
20	64QAM	50	50	20.30	20.26	20.35		
20	64QAM	100	0	20.31	20.21	20.36		
20	256QAM	1	0	17.25	17.30	17.32	19	3.2
20	256QAM	1	49	17.42	17.37	17.26		
20	256QAM	1	99	17.24	17.27	17.41		
20	256QAM	50	0	17.29	17.11	17.30	19	3.2
20	256QAM	50	24	17.17	17.04	17.25		
20	256QAM	50	50	17.13	17.09	17.21		
20	256QAM	100	0	17.12	17.22	17.11		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.07	21.43	21.39	22.2	0
15	QPSK	1	37	21.12	21.06	21.30		
15	QPSK	1	74	21.28	21.08	21.26		
15	QPSK	36	0	21.05	21.27	21.02	22.2	0
15	QPSK	36	20	21.17	21.15	21.07		
15	QPSK	36	39	21.07	21.01	21.11		
15	QPSK	75	0	20.90	21.06	21.01		
15	16QAM	1	0	20.88	21.21	21.16	22.2	0
15	16QAM	1	37	20.92	20.83	21.03		
15	16QAM	1	74	21.00	20.91	21.13		
15	16QAM	36	0	20.92	21.19	21.18	22	0.2
15	16QAM	36	20	20.99	20.93	21.07		
15	16QAM	36	39	21.10	20.87	21.10		
15	16QAM	75	0	20.79	21.08	20.81		
15	64QAM	1	0	20.98	20.97	20.93	22	0.2
15	64QAM	1	37	20.85	20.84	20.84		
15	64QAM	1	74	20.73	20.90	20.76		
15	64QAM	36	0	20.48	20.35	20.45	21	1.2
15	64QAM	36	20	20.30	20.24	20.37		
15	64QAM	36	39	20.32	20.21	20.37		
15	64QAM	75	0	20.31	20.22	20.38		
15	256QAM	1	0	17.23	17.29	17.28	19	3.2
15	256QAM	1	37	17.36	17.35	17.25		
15	256QAM	1	74	17.31	17.23	17.43		
15	256QAM	36	0	17.35	17.14	17.24	19	3.2
15	256QAM	36	20	17.18	17.02	17.22		
15	256QAM	36	39	17.16	17.16	17.22		
15	256QAM	75	0	17.18	17.20	17.20		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.07	21.44	21.36	22.2	0
10	QPSK	1	25	21.09	21.05	21.29		
10	QPSK	1	49	21.25	21.08	21.23		
10	QPSK	25	0	21.07	21.28	21.10	22.2	0
10	QPSK	25	12	21.11	21.19	21.06		
10	QPSK	25	25	21.11	20.94	21.03		
10	QPSK	50	0	20.93	21.03	21.03		
10	16QAM	1	0	20.92	21.19	21.13	22.2	0
10	16QAM	1	25	20.91	20.81	21.07		
10	16QAM	1	49	21.03	20.94	21.11		



10	16QAM	25	0	20.90	21.20	21.21	22	0.2
10	16QAM	25	12	20.94	20.96	21.06		
10	16QAM	25	25	21.05	20.80	21.08		
10	16QAM	50	0	20.84	21.08	20.85		
10	64QAM	1	0	20.95	21.01	20.94	22	0.2
10	64QAM	1	25	20.79	20.76	20.80		
10	64QAM	1	49	20.71	20.92	20.76		
10	64QAM	25	0	20.54	20.37	20.47	21	1.2
10	64QAM	25	12	20.34	20.15	20.32		
10	64QAM	25	25	20.26	20.28	20.32		
10	64QAM	50	0	20.32	20.21	20.35		
10	256QAM	1	0	17.32	17.35	17.29	19	3.2
10	256QAM	1	25	17.39	17.38	17.26		
10	256QAM	1	49	17.30	17.24	17.43		
10	256QAM	25	0	17.32	17.14	17.28	19	3.2
10	256QAM	25	12	17.16	17.11	17.27		
10	256QAM	25	25	17.19	17.09	17.19		
10	256QAM	50	0	17.18	17.22	17.11		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.04	21.43	21.43	22.2	0
5	QPSK	1	12	21.15	21.07	21.29		
5	QPSK	1	24	21.21	21.04	21.27		
5	QPSK	12	0	21.01	21.28	21.07	22.2	0
5	QPSK	12	7	21.17	21.11	21.06		
5	QPSK	12	13	21.10	20.94	21.11		
5	QPSK	25	0	20.95	21.07	21.07		
5	16QAM	1	0	20.85	21.25	21.17	22.2	0
5	16QAM	1	12	20.91	20.82	20.97		
5	16QAM	1	24	21.09	20.90	21.11		
5	16QAM	12	0	20.83	21.24	21.21	22	0.2
5	16QAM	12	7	20.94	20.95	21.06		
5	16QAM	12	13	21.07	20.85	21.04		
5	16QAM	25	0	20.80	21.05	20.80		
5	64QAM	1	0	21.00	21.04	20.92	22	0.2
5	64QAM	1	12	20.89	20.82	20.82		
5	64QAM	1	24	20.75	20.85	20.76		
5	64QAM	12	0	20.49	20.33	20.51	21	1.2
5	64QAM	12	7	20.27	20.16	20.27		
5	64QAM	12	13	20.30	20.28	20.31		
5	64QAM	25	0	20.33	20.22	20.37		
5	256QAM	1	0	17.26	17.34	17.37	19	3.2
5	256QAM	1	12	17.38	17.36	17.29		
5	256QAM	1	24	17.30	17.27	17.37		
5	256QAM	12	0	17.34	17.12	17.27	19	3.2
5	256QAM	12	7	17.13	17.09	17.18		
5	256QAM	12	13	17.13	17.18	17.20		
5	256QAM	25	0	17.12	17.24	17.19		

### Band 41 Ant 3 DSI1

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	21.35	21.09	21.43	21.40	21.13	22.2	0
20	QPSK	1	49	21.25	21.14	21.08	21.26	21.10		
20	QPSK	1	99	21.24	21.24	21.08	21.24	21.22		
20	QPSK	50	0	21.03	21.04	21.25	21.05	20.98	22.2	0
20	QPSK	50	24	21.10	21.13	21.16	21.08	21.09		
20	QPSK	50	50	21.05	21.09	20.96	21.07	21.05		
20	QPSK	100	0	21.05	20.93	21.07	21.04	20.97		
20	16QAM	1	0	21.12	20.90	21.21	21.18	20.93	22.2	0
20	16QAM	1	49	21.01	20.94	20.84	21.02	20.95		
20	16QAM	1	99	21.06	21.04	20.93	21.09	21.00		
20	16QAM	50	0	21.12	20.88	21.22	21.23	20.97	22	0.2
20	16QAM	50	24	21.03	20.99	20.92	21.07	20.85		
20	16QAM	50	50	21.00	21.06	20.84	21.08	21.01		
20	16QAM	100	0	20.85	20.80	21.09	20.81	20.80		
20	64QAM	1	0	20.89	20.95	21.01	20.92	20.93	22	0.2
20	64QAM	1	49	20.82	20.84	20.79	20.84	20.88		
20	64QAM	1	99	20.86	20.76	20.89	20.80	20.78		
20	64QAM	50	0	20.44	20.51	20.38	20.50	20.52	21	1.2
20	64QAM	50	24	20.35	20.30	20.19	20.32	20.25		
20	64QAM	50	50	20.40	20.29	20.23	20.33	20.31		
20	64QAM	100	0	20.39	20.35	20.18	20.37	20.32		
20	256QAM	1	0	17.37	17.28	17.32	17.33	17.27	19	3.2
20	256QAM	1	49	17.32	17.41	17.38	17.30	17.35		
20	256QAM	1	99	17.40	17.27	17.24	17.39	17.25		
20	256QAM	50	0	17.30	17.31	17.14	17.25	17.24	19	3.2
20	256QAM	50	24	17.27	17.13	17.06	17.23	17.15		
20	256QAM	50	50	17.18	17.15	17.14	17.18	17.17		
20	256QAM	100	0	17.41	17.14	17.20	17.16	17.08		
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	21.19	20.91	21.22	21.20	20.95	22	0
15	QPSK	1	37	21.01	20.97	20.83	21.08	20.92		
15	QPSK	1	74	20.99	21.03	20.88	21.08	20.98		
15	QPSK	36	0	20.81	20.83	21.00	20.89	20.80	22.2	0
15	QPSK	36	20	20.94	20.92	20.92	20.88	20.88		
15	QPSK	36	39	20.89	20.87	20.78	20.86	20.84		
15	QPSK	75	0	20.88	20.69	20.88	20.87	20.74		
15	16QAM	1	0	21.23	21.04	21.05	21.17	21.02	22.2	0
15	16QAM	1	37	21.34	21.24	21.24	21.37	21.16		
15	16QAM	1	74	21.18	21.16	21.23	21.25	21.21		
15	16QAM	36	0	21.10	20.87	21.20	21.20	20.91	22	0.2
15	16QAM	36	20	21.08	20.93	20.83	21.03	20.87		
15	16QAM	36	39	21.03	21.05	20.92	21.04	21.04		
15	16QAM	75	0	20.88	20.84	21.09	20.81	20.78		
15	64QAM	1	0	20.89	20.93	20.98	20.86	20.90	22	0.2
15	64QAM	1	37	20.82	20.92	20.75	20.88	20.81		
15	64QAM	1	74	20.84	20.77	20.89	20.80	20.76		
15	64QAM	36	0	20.45	20.55	20.37	20.48	20.53	21	1.2
15	64QAM	36	20	20.31	20.30	20.17	20.34	20.23		
15	64QAM	36	39	20.39	20.33	20.17	20.32	20.27		
15	64QAM	75	0	20.39	20.35	20.21	20.46	20.39		
15	256QAM	1	0	17.31	17.31	17.30	17.34	17.28	19	3.2
15	256QAM	1	37	17.31	17.40	17.35	17.33	17.35		
15	256QAM	1	74	17.38	17.30	17.27	17.41	17.25		
15	256QAM	36	0	17.27	17.22	17.14	17.23	17.22	19	3.2



15	256QAM	36	20	17.19	17.11	17.08	17.20	17.14		
15	256QAM	36	39	17.20	17.15	17.18	17.14	17.09		
15	256QAM	75	0	17.45	17.16	17.16	17.17	17.11		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.14	20.88	21.25	21.22	20.95	22	0
10	QPSK	1	25	21.10	20.94	20.88	21.10	20.93		
10	QPSK	1	49	21.07	21.07	20.92	21.04	20.97		
10	QPSK	25	0	20.84	20.86	21.02	20.88	20.76	22.2	0
10	QPSK	25	12	20.92	20.94	20.99	20.89	20.86		
10	QPSK	25	25	20.83	20.84	20.72	20.83	20.80		
10	QPSK	50	0	20.82	20.73	20.90	20.88	20.75	22.2	0
10	16QAM	1	0	21.19	21.03	21.05	21.25	21.08		
10	16QAM	1	25	21.36	21.21	21.19	21.35	21.20		
10	16QAM	1	49	21.20	21.22	21.26	21.27	21.15	22	0.2
10	16QAM	25	0	20.58	20.40	20.39	20.55	20.43		
10	16QAM	25	12	20.27	20.25	20.23	20.30	20.32		
10	16QAM	25	25	20.44	20.29	20.28	20.42	20.24	22	0.2
10	16QAM	50	0	20.36	20.30	20.40	20.37	20.32		
10	64QAM	1	0	21.16	20.89	21.20	21.22	20.89		
10	64QAM	1	25	21.08	20.90	20.90	21.08	20.95	22	0.2
10	64QAM	1	49	21.05	21.07	20.89	21.09	21.04		
10	64QAM	25	0	20.45	20.55	20.44	20.51	20.52		
10	64QAM	25	12	20.31	20.32	20.22	20.27	20.26	21	1.2
10	64QAM	25	25	20.37	20.33	20.19	20.34	20.33		
10	64QAM	50	0	20.40	20.31	20.24	20.41	20.37		
10	256QAM	1	0	17.36	17.29	17.29	17.31	17.27	19	3.2
10	256QAM	1	25	17.33	17.37	17.31	17.24	17.31		
10	256QAM	1	49	17.38	17.25	17.22	17.42	17.23		
10	256QAM	25	0	17.31	17.27	17.11	17.26	17.22	19	3.2
10	256QAM	25	12	17.27	17.19	17.06	17.21	17.15		
10	256QAM	25	25	17.19	17.08	17.16	17.21	17.13		
10	256QAM	50	0	17.43	17.18	17.17	17.24	17.16		
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	21.17	20.93	21.22	21.21	20.90	22	0
5	QPSK	1	12	21.07	20.93	20.84	21.02	20.93		
5	QPSK	1	24	21.07	21.08	20.84	21.06	20.97		
5	QPSK	12	0	20.83	20.84	21.05	20.84	20.76	22.2	0
5	QPSK	12	7	20.92	20.98	20.96	20.86	20.93		
5	QPSK	12	13	20.81	20.91	20.71	20.84	20.85		
5	QPSK	25	0	20.82	20.74	20.82	20.86	20.76	22.2	0
5	16QAM	1	0	21.20	21.02	21.07	21.24	21.07		
5	16QAM	1	12	21.35	21.17	21.15	21.37	21.18		
5	16QAM	1	24	21.18	21.17	21.24	21.29	21.14	22	0.2
5	16QAM	12	0	21.14	20.88	21.18	21.24	20.95		
5	16QAM	12	7	21.09	20.96	20.85	21.08	20.90		
5	16QAM	12	13	21.02	21.00	20.89	21.07	21.02	22	0.2
5	16QAM	25	0	20.87	20.81	21.10	20.87	20.80		
5	64QAM	1	0	20.86	20.93	20.99	20.92	20.89		
5	64QAM	1	12	20.84	20.93	20.72	20.86	20.81	22	0.2
5	64QAM	1	24	20.80	20.76	20.90	20.87	20.78		
5	64QAM	12	0	20.43	20.54	20.44	20.42	20.58		
5	64QAM	12	7	20.26	20.23	20.17	20.31	20.30	21	1.2
5	64QAM	12	13	20.34	20.27	20.16	20.34	20.26		



5	64QAM	25	0	20.43	20.38	20.27	20.46	20.37		
5	256QAM	1	0	17.31	17.36	17.30	17.35	17.33	19	3.2
5	256QAM	1	12	17.31	17.35	17.31	17.28	17.39		
5	256QAM	1	24	17.43	17.26	17.21	17.41	17.29		
5	256QAM	12	0	17.28	17.23	17.16	17.29	17.30	19	3.2
5	256QAM	12	7	17.27	17.18	17.03	17.23	17.10		
5	256QAM	12	13	17.23	17.14	17.15	17.21	17.10		
5	256QAM	25	0	17.37	17.11	17.12	17.23	17.10		

### Band 42 FCC Part27Q Ant 4 DSI1

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				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.54	22.64	22.59	24	0
20	QPSK	1	49	22.59	22.58	22.61		
20	QPSK	1	99	22.60	22.63	22.54		
20	QPSK	50	0	21.67	21.84	21.63	23	1
20	QPSK	50	24	21.73	21.65	21.65		
20	QPSK	50	50	21.82	21.69	21.70		
20	QPSK	100	0	21.65	21.76	21.70		
20	16QAM	1	0	22.02	22.01	22.03	23	1
20	16QAM	1	49	21.95	22.05	22.08		
20	16QAM	1	99	22.04	22.03	22.22		
20	16QAM	50	0	20.83	20.75	20.64	22	2
20	16QAM	50	24	20.71	20.72	20.78		
20	16QAM	50	50	20.74	20.68	20.70		
20	16QAM	100	0	20.64	20.70	20.55		
20	64QAM	1	0	20.72	20.74	20.67	22	2
20	64QAM	1	49	20.75	20.69	20.66		
20	64QAM	1	99	20.64	20.70	20.69		
20	64QAM	50	0	19.88	19.77	19.68	21	3
20	64QAM	50	24	19.74	19.72	19.78		
20	64QAM	50	50	19.90	19.85	19.79		
20	64QAM	100	0	19.66	19.80	19.80		
20	256QAM	1	0	17.63	17.49	17.62	19	5
20	256QAM	1	49	17.71	17.65	17.59		
20	256QAM	1	99	17.57	17.59	17.71		
20	256QAM	50	0	17.71	17.54	17.67	19	5
20	256QAM	50	24	17.61	17.60	17.55		
20	256QAM	50	50	17.62	17.63	17.62		
20	256QAM	100	0	17.59	17.65	17.63		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	22.49	22.57	22.44	24	0
15	QPSK	1	37	22.45	22.45	22.49		
15	QPSK	1	74	22.49	22.49	22.41		
15	QPSK	36	0	21.61	21.76	21.58	23	1
15	QPSK	36	20	21.65	21.58	21.50		
15	QPSK	36	39	21.68	21.54	21.64		
15	QPSK	75	0	21.51	21.70	21.57		
15	16QAM	1	0	21.95	21.92	21.96	23	1
15	16QAM	1	37	21.84	21.97	22.00		
15	16QAM	1	74	21.91	21.97	22.13		



15	16QAM	36	0	20.77	20.69	20.52	22	2
15	16QAM	36	20	20.61	20.65	20.71		
15	16QAM	36	39	20.69	20.57	20.64		
15	16QAM	75	0	20.53	20.62	20.43	22	2
15	64QAM	1	0	20.64	20.67	20.61		
15	64QAM	1	37	20.68	20.63	20.58		
15	64QAM	1	74	20.56	20.64	20.59	21	3
15	64QAM	36	0	19.76	19.72	19.58		
15	64QAM	36	20	19.60	19.57	19.70		
15	64QAM	36	39	19.80	19.73	19.71	19	5
15	64QAM	75	0	19.59	19.74	19.65		
15	256QAM	1	0	17.49	17.43	17.55		
15	256QAM	1	37	17.62	17.55	17.51	19	5
15	256QAM	1	74	17.48	17.48	17.60		
15	256QAM	36	0	17.64	17.45	17.52		
15	256QAM	36	20	17.51	17.49	17.42	19	5
15	256QAM	36	39	17.50	17.57	17.54		
15	256QAM	75	0	17.44	17.59	17.56		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	22.42	22.51	22.49	24	0
10	QPSK	1	25	22.48	22.47	22.48		
10	QPSK	1	49	22.49	22.51	22.44		
10	QPSK	25	0	21.57	21.79	21.54	23	1
10	QPSK	25	12	21.65	21.56	21.54		
10	QPSK	25	25	21.73	21.58	21.63		
10	QPSK	50	0	21.50	21.68	21.63	23	1
10	16QAM	1	0	21.94	21.92	21.92		
10	16QAM	1	25	21.84	21.99	21.99		
10	16QAM	1	49	21.96	21.92	22.14	22	2
10	16QAM	25	0	20.68	20.61	20.56		
10	16QAM	25	12	20.60	20.59	20.65		
10	16QAM	25	25	20.63	20.62	20.58	22	2
10	16QAM	50	0	20.51	20.58	20.41		
10	64QAM	1	0	20.62	20.67	20.60		
10	64QAM	1	25	20.61	20.58	20.54	22	2
10	64QAM	1	49	20.59	20.64	20.58		
10	64QAM	25	0	19.83	19.70	19.60		
10	64QAM	25	12	19.68	19.62	19.70	21	3
10	64QAM	25	25	19.77	19.70	19.66		
10	64QAM	50	0	19.52	19.73	19.66		
10	256QAM	1	0	17.48	17.41	17.49	19	5
10	256QAM	1	25	17.66	17.54	17.49		
10	256QAM	1	49	17.48	17.50	17.60		
10	256QAM	25	0	17.57	17.40	17.62	19	5
10	256QAM	25	12	17.49	17.48	17.41		
10	256QAM	25	25	17.52	17.50	17.49		
10	256QAM	50	0	17.53	17.50	17.51	Tune-up limit (dBm)	MPR (dB)
Channel				42115	42590	43065		
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	22.49	22.51	22.48	24	0
5	QPSK	1	12	22.47	22.46	22.55		
5	QPSK	1	24	22.52	22.54	22.45		
5	QPSK	12	0	21.53	21.70	21.56	23	1
5	QPSK	12	7	21.67	21.52	21.56		





5	QPSK	12	13	21.68	21.58	21.61		
5	QPSK	25	0	21.59	21.63	21.63		
5	16QAM	1	0	21.89	21.95	21.94	23	1
5	16QAM	1	12	21.89	21.93	21.94		
5	16QAM	1	24	21.99	21.88	22.08		
5	16QAM	12	0	20.78	20.68	20.50	22	2
5	16QAM	12	7	20.56	20.66	20.71		
5	16QAM	12	13	20.65	20.55	20.62		
5	16QAM	25	0	20.53	20.64	20.50		
5	64QAM	1	0	20.67	20.68	20.59	22	2
5	64QAM	1	12	20.69	20.54	20.55		
5	64QAM	1	24	20.53	20.64	20.58		
5	64QAM	12	0	19.79	19.71	19.55	21	3
5	64QAM	12	7	19.69	19.67	19.65		
5	64QAM	12	13	19.83	19.70	19.73		
5	64QAM	25	0	19.60	19.74	19.68		
5	256QAM	1	0	17.57	17.34	17.49	19	5
5	256QAM	1	12	17.64	17.52	17.46		
5	256QAM	1	24	17.52	17.47	17.65		
5	256QAM	12	0	17.64	17.47	17.61	19	5
5	256QAM	12	7	17.51	17.52	17.47		
5	256QAM	12	13	17.52	17.57	17.50		
5	256QAM	25	0	17.45	17.55	17.50		

### Reduced Power Mode for DSI 2

## Band 38 Ant 3 DSI2

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	17.28	17.51	17.09	18.7	0
20	QPSK	1	49	17.10	17.22	17.13		
20	QPSK	1	99	17.04	17.29	17.35		
20	QPSK	50	0	17.32	17.48	17.09	18.7	0
20	QPSK	50	24	17.04	17.26	17.14		
20	QPSK	50	50	17.06	17.28	17.27		
20	QPSK	100	0	17.33	17.41	17.11		
20	16QAM	1	0	17.07	17.28	17.19	18.7	0
20	16QAM	1	49	17.12	17.32	17.26		
20	16QAM	1	99	17.27	17.40	17.16		
20	16QAM	50	0	17.07	17.28	17.17	18.7	0
20	16QAM	50	24	17.12	17.28	17.29		
20	16QAM	50	50	17.24	17.44	17.13		
20	16QAM	100	0	17.05	17.24	17.12		
20	64QAM	1	0	17.12	17.32	17.34	18.7	0
20	64QAM	1	49	17.31	17.45	17.16		
20	64QAM	1	99	17.30	17.44	17.11		
20	64QAM	50	0	17.10	17.26	17.16	18.7	0
20	64QAM	50	24	17.13	17.29	17.35		
20	64QAM	50	50	17.33	17.43	17.12		
20	64QAM	100	0	17.04	17.29	17.13		
20	256QAM	1	0	17.07	17.29	17.31	18.7	0
20	256QAM	1	49	17.31	17.46	17.14		
20	256QAM	1	99	17.10	17.27	17.17		
20	256QAM	50	0	17.04	17.26	17.35	18.7	0



20	256QAM	50	24	17.28	17.40	17.10		
20	256QAM	50	50	17.10	17.20	17.10		
20	256QAM	100	0	17.03	17.25	17.35		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	17.31	17.42	17.12	18.7	0
15	QPSK	1	37	17.08	17.25	17.15		
15	QPSK	1	74	17.07	17.34	17.30		
15	QPSK	36	0	17.29	17.40	17.18	18.7	0
15	QPSK	36	20	17.04	17.25	17.18		
15	QPSK	36	39	17.13	17.25	17.27		
15	QPSK	75	0	17.26	17.48	17.16	18.7	0
15	16QAM	1	0	17.06	17.21	17.10		
15	16QAM	1	37	17.05	17.27	17.27		
15	16QAM	1	74	17.30	17.43	17.17	18.7	0
15	16QAM	36	0	17.13	17.22	17.10		
15	16QAM	36	20	17.03	17.26	17.29		
15	16QAM	36	39	17.32	17.44	17.11	18.7	0
15	16QAM	75	0	17.13	17.23	17.09		
15	64QAM	1	0	17.06	17.26	17.27		
15	64QAM	1	37	17.30	17.48	17.10	18.7	0
15	64QAM	1	74	17.04	17.24	17.14		
15	64QAM	36	0	17.04	17.30	17.26		
15	64QAM	36	20	17.25	17.39	17.12	18.7	0
15	64QAM	36	39	17.04	17.26	17.17		
15	64QAM	75	0	17.06	17.33	17.33		
15	256QAM	1	0	17.30	17.40	17.13	18.7	0
15	256QAM	1	37	17.07	17.26	17.17		
15	256QAM	1	74	17.12	17.25	17.32		
15	256QAM	36	0	17.14	17.25	17.30	18.7	0
15	256QAM	36	20	17.07	17.28	17.10		
15	256QAM	36	39	17.14	17.21	17.18		
15	256QAM	75	0	17.14	17.41	17.14		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	17.26	17.44	17.12	18.7	0
10	QPSK	1	25	17.08	17.28	17.09		
10	QPSK	1	49	17.07	17.25	17.34		
10	QPSK	25	0	17.28	17.39	17.13	18.7	0
10	QPSK	25	12	17.12	17.20	17.10		
10	QPSK	25	25	17.03	17.25	17.34		
10	QPSK	50	0	17.31	17.44	17.18	18.7	0
10	16QAM	1	0	17.04	17.20	17.14		
10	16QAM	1	25	17.05	17.28	17.30		
10	16QAM	1	49	17.34	17.41	17.12	18.7	0
10	16QAM	25	0	17.09	17.21	17.12		
10	16QAM	25	12	17.12	17.28	17.30		
10	16QAM	25	25	17.25	17.40	17.17	18.7	0
10	16QAM	50	0	17.04	17.29	17.18		
10	64QAM	1	0	17.10	17.28	17.30		
10	64QAM	1	25	17.31	17.42	17.17	18.7	0
10	64QAM	1	49	17.13	17.21	17.14		
10	64QAM	25	0	17.11	17.30	17.34		
10	64QAM	25	12	17.28	17.43	17.18	18.7	0
10	64QAM	25	25	17.09	17.22	17.15		



10	64QAM	50	0	17.04	17.31	17.26		
10	256QAM	1	0	17.31	17.46	17.09	18.7	0
10	256QAM	1	25	17.10	17.25	17.19		
10	256QAM	1	49	17.12	17.34	17.28		
10	256QAM	25	0	17.16	17.29	17.22	18.7	0
10	256QAM	25	12	17.11	17.24	17.17		
10	256QAM	25	25	17.15	17.18	17.11		
10	256QAM	50	0	17.15	17.45	17.13		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	17.33	17.46	17.14	18.7	0
5	QPSK	1	12	17.04	17.27	17.19		
5	QPSK	1	24	17.08	17.25	17.30		
5	QPSK	12	0	17.34	17.47	17.09	18.7	0
5	QPSK	12	7	17.06	17.20	17.16		
5	QPSK	12	13	17.07	17.33	17.34		
5	QPSK	25	0	17.27	17.49	17.15		
5	16QAM	1	0	17.04	17.25	17.19	18.7	0
5	16QAM	1	12	17.10	17.25	17.28		
5	16QAM	1	24	17.30	17.48	17.18		
5	16QAM	12	0	17.04	17.25	17.17	18.7	0
5	16QAM	12	7	17.09	17.34	17.29		
5	16QAM	12	13	17.33	17.45	17.09		
5	16QAM	25	0	17.05	17.23	17.15		
5	64QAM	1	0	17.08	17.33	17.30	18.7	0
5	64QAM	1	12	17.32	17.42	17.14		
5	64QAM	1	24	17.10	17.20	17.14		
5	64QAM	12	0	17.09	17.26	17.32	18.7	0
5	64QAM	12	7	17.30	17.47	17.17		
5	64QAM	12	13	17.03	17.26	17.11		
5	64QAM	25	0	17.12	17.27	17.29		
5	256QAM	1	0	17.28	17.40	17.11	18.7	0
5	256QAM	1	12	17.12	17.21	17.13		
5	256QAM	1	24	17.07	17.30	17.34		
5	256QAM	12	0	17.14	17.31	17.28	18.7	0
5	256QAM	12	7	17.03	17.25	17.15		
5	256QAM	12	13	17.10	17.18	17.14		
5	256QAM	25	0	17.19	17.42	17.17		

### Band 41 Ant 3 DSI2

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	17.42	17.10	17.58	17.47	17.15	18.7	0
20	QPSK	1	49	17.32	17.19	17.16	17.32	17.15		
20	QPSK	1	99	17.23	17.31	17.12	17.25	17.29		
20	QPSK	50	0	17.35	17.10	17.46	17.42	17.13	18.7	0
20	QPSK	50	24	17.28	17.21	17.07	17.33	17.14		
20	QPSK	50	50	17.26	17.25	17.14	17.30	17.27		
20	QPSK	100	0	17.38	17.11	17.49	17.47	17.15		
20	16QAM	1	0	17.30	17.13	17.16	17.26	17.15	18.7	0
20	16QAM	1	49	17.29	17.25	17.14	17.27	17.25		



20	16QAM	1	99	17.40	17.08	17.44	17.47	17.15		
20	16QAM	50	0	17.30	17.17	17.12	17.30	17.13	18.7	0
20	16QAM	50	24	17.32	17.32	17.13	17.25	17.30		
20	16QAM	50	50	17.43	17.12	17.42	17.44	17.20		
20	16QAM	100	0	17.27	17.18	17.14	17.35	17.14		
20	64QAM	1	0	17.30	17.27	17.13	17.30	17.23	18.7	0
20	64QAM	1	49	17.43	17.11	17.44	17.45	17.19		
20	64QAM	1	99	17.27	17.15	17.13	17.28	17.13		
20	64QAM	50	0	17.24	17.29	17.13	17.25	17.26	18.7	0
20	64QAM	50	24	17.40	17.12	17.50	17.47	17.13		
20	64QAM	50	50	17.27	17.15	17.07	17.33	17.10		
20	64QAM	100	0	17.29	17.30	17.08	17.24	17.29		
20	256QAM	1	0	17.37	17.28	17.32	17.33	17.27	18.7	0
20	256QAM	1	49	17.32	17.41	17.38	17.30	17.35		
20	256QAM	1	99	17.40	17.27	17.24	17.39	17.25		
20	256QAM	50	0	17.30	17.31	17.14	17.25	17.24	18.7	0
20	256QAM	50	24	17.27	17.13	17.06	17.23	17.15		
20	256QAM	50	50	17.18	17.15	17.14	17.18	17.17		
20	256QAM	100	0	17.41	17.14	17.20	17.16	17.08		
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	17.39	17.08	17.47	17.44	17.13	19	0
15	QPSK	1	37	17.28	17.22	17.09	17.27	17.14		
15	QPSK	1	74	17.29	17.25	17.11	17.23	17.28		
15	QPSK	36	0	17.40	17.12	17.52	17.40	17.17	18.7	0
15	QPSK	36	20	17.33	17.22	17.16	17.32	17.16		
15	QPSK	36	39	17.25	17.25	17.09	17.33	17.31		
15	QPSK	75	0	17.42	17.17	17.47	17.41	17.13		
15	16QAM	1	0	17.32	17.17	17.09	17.29	17.15	18.7	0
15	16QAM	1	37	17.29	17.26	17.09	17.26	17.30		
15	16QAM	1	74	17.44	17.12	17.42	17.48	17.21		
15	16QAM	36	0	17.34	17.18	17.14	17.31	17.18	18.7	0
15	16QAM	36	20	17.25	17.24	17.14	17.29	17.29		
15	16QAM	36	39	17.36	17.14	17.47	17.41	17.16		
15	16QAM	75	0	17.29	17.15	17.07	17.32	17.12		
15	64QAM	1	0	17.32	17.24	17.07	17.23	17.26	18.7	0
15	64QAM	1	37	17.38	17.16	17.43	17.46	17.17		
15	64QAM	1	74	17.33	17.14	17.12	17.35	17.13		
15	64QAM	36	0	17.32	17.31	17.13	17.27	17.22	18.7	0
15	64QAM	36	20	17.34	17.11	17.44	17.44	17.13		
15	64QAM	36	39	17.28	17.20	17.13	17.28	17.16		
15	64QAM	75	0	17.31	17.29	17.11	17.26	17.23		
15	256QAM	1	0	17.31	17.31	17.30	17.34	17.28	18.7	0
15	256QAM	1	37	17.31	17.40	17.35	17.33	17.35		
15	256QAM	1	74	17.38	17.30	17.27	17.41	17.25		
15	256QAM	36	0	17.27	17.22	17.14	17.23	17.22	18.7	0
15	256QAM	36	20	17.19	17.11	17.08	17.20	17.14		
15	256QAM	36	39	17.20	17.15	17.18	17.14	17.09		
15	256QAM	75	0	17.45	17.16	17.16	17.17	17.11		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	17.43	17.12	17.51	17.40	17.19	19	0
10	QPSK	1	25	17.26	17.23	17.10	17.28	17.14		
10	QPSK	1	49	17.25	17.24	17.12	17.30	17.29		
10	QPSK	25	0	17.42	17.16	17.43	17.45	17.20	18.7	0



10	QPSK	25	12	17.30	17.22	17.15	17.35	17.10		
10	QPSK	25	25	17.31	17.27	17.10	17.25	17.22		
10	QPSK	50	0	17.34	17.18	17.46	17.47	17.17		
10	16QAM	1	0	17.24	17.15	17.16	17.27	17.12	18.7	0
10	16QAM	1	25	17.23	17.29	17.17	17.28	17.29		
10	16QAM	1	49	17.36	17.09	17.45	17.40	17.19		
10	16QAM	25	0	17.25	17.15	17.09	17.29	17.18	18.7	0
10	16QAM	25	12	17.32	17.26	17.07	17.25	17.29		
10	16QAM	25	25	17.42	17.09	17.50	17.49	17.21		
10	16QAM	50	0	17.27	17.21	17.12	17.29	17.11		
10	64QAM	1	0	17.26	17.25	17.09	17.27	17.27	18.7	0
10	64QAM	1	25	17.42	17.09	17.51	17.46	17.19		
10	64QAM	1	49	17.28	17.22	17.13	17.34	17.14		
10	64QAM	25	0	17.26	17.26	17.17	17.31	17.22	18.7	0
10	64QAM	25	12	17.35	17.10	17.43	17.47	17.12		
10	64QAM	25	25	17.28	17.18	17.15	17.34	17.11		
10	64QAM	50	0	17.25	17.24	17.14	17.28	17.25		
10	256QAM	1	0	17.36	17.29	17.29	17.31	17.27	18.7	0
10	256QAM	1	25	17.33	17.37	17.31	17.24	17.31		
10	256QAM	1	49	17.38	17.25	17.22	17.42	17.23		
10	256QAM	25	0	17.31	17.27	17.11	17.26	17.22	18.7	0
10	256QAM	25	12	17.27	17.19	17.06	17.21	17.15		
10	256QAM	25	25	17.19	17.08	17.16	17.21	17.13		
10	256QAM	50	0	17.43	17.18	17.17	17.24	17.16		
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	17.35	17.13	17.47	17.44	17.16	19	0
5	QPSK	1	12	17.27	17.14	17.15	17.31	17.14		
5	QPSK	1	24	17.28	17.29	17.07	17.31	17.23		
5	QPSK	12	0	17.37	17.12	17.45	17.45	17.13	18.7	0
5	QPSK	12	7	17.26	17.16	17.09	17.31	17.12		
5	QPSK	12	13	17.24	17.33	17.09	17.31	17.31		
5	QPSK	25	0	17.38	17.18	17.52	17.45	17.13		
5	16QAM	1	0	17.29	17.22	17.13	17.31	17.10	18.7	0
5	16QAM	1	12	17.25	17.26	17.12	17.33	17.25		
5	16QAM	1	24	17.44	17.11	17.49	17.49	17.14		
5	16QAM	12	0	17.34	17.22	17.14	17.32	17.17	18.7	0
5	16QAM	12	7	17.30	17.33	17.10	17.26	17.25		
5	16QAM	12	13	17.39	17.12	17.45	17.49	17.14		
5	16QAM	25	0	17.25	17.18	17.17	17.30	17.17		
5	64QAM	1	0	17.29	17.29	17.12	17.25	17.25	18.7	0
5	64QAM	1	12	17.42	17.15	17.51	17.40	17.17		
5	64QAM	1	24	17.30	17.22	17.10	17.27	17.10		
5	64QAM	12	0	17.25	17.31	17.17	17.32	17.23	18.7	0
5	64QAM	12	7	17.40	17.16	17.52	17.46	17.16		
5	64QAM	12	13	17.29	17.21	17.14	17.32	17.10		
5	64QAM	25	0	17.32	17.26	17.08	17.30	17.24		
5	256QAM	1	0	17.31	17.36	17.30	17.35	17.33	18.7	0
5	256QAM	1	12	17.31	17.35	17.31	17.28	17.39		
5	256QAM	1	24	17.43	17.26	17.21	17.41	17.29		
5	256QAM	12	0	17.28	17.23	17.16	17.29	17.30	18.7	0
5	256QAM	12	7	17.27	17.18	17.03	17.23	17.10		
5	256QAM	12	13	17.23	17.14	17.15	17.21	17.10		
5	256QAM	25	0	17.37	17.11	17.12	17.23	17.10		



## Band 42 FCC Part27Q Ant 4 DSI2

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				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	16.16	16.20	16.18	17	0
20	QPSK	1	49	16.00	16.03	16.03		
20	QPSK	1	99	16.02	16.09	16.06		
20	QPSK	50	0	16.02	16.11	16.06	17	0
20	QPSK	50	24	16.04	16.10	15.98		
20	QPSK	50	50	15.97	16.05	16.00		
20	QPSK	100	0	16.01	16.04	16.03	17	0
20	16QAM	1	0	16.08	16.10	15.95		
20	16QAM	1	49	16.02	16.08	16.04		
20	16QAM	1	99	16.00	16.02	16.07	17	0
20	16QAM	50	0	16.02	16.08	16.00		
20	16QAM	50	24	16.00	16.07	16.05		
20	16QAM	50	50	16.02	15.99	16.03	17	0
20	16QAM	100	0	16.10	16.08	16.04		
20	64QAM	1	0	15.94	16.09	16.04		
20	64QAM	1	49	16.01	16.02	16.07	17	0
20	64QAM	1	99	16.03	16.10	15.95		
20	64QAM	50	0	15.98	16.12	16.00		
20	64QAM	50	24	16.00	16.08	16.01	17	0
20	64QAM	50	50	16.04	16.08	15.95		
20	64QAM	100	0	15.95	16.06	16.01		
20	256QAM	1	0	16.03	16.05	16.10	17	0
20	256QAM	1	49	16.00	16.10	15.95		
20	256QAM	1	99	15.99	16.10	16.06		
20	256QAM	50	0	15.97	16.08	16.07	17	0
20	256QAM	50	24	16.02	16.01	16.05		
20	256QAM	50	50	16.04	16.05	15.95		
20	256QAM	100	0	16.03	16.11	15.94		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	16.05	16.12	16.00	17	0
15	QPSK	1	37	16.04	16.09	15.98		
15	QPSK	1	74	15.95	16.13	16.07		
15	QPSK	36	0	16.02	16.02	16.08	17	0
15	QPSK	36	20	16.06	16.07	15.97		
15	QPSK	36	39	15.99	16.07	16.05		
15	QPSK	75	0	16.08	16.01	16.04	17	0
15	16QAM	1	0	16.03	16.06	15.97		
15	16QAM	1	37	15.96	16.08	16.09		
15	16QAM	1	74	16.01	16.00	16.05	17	0
15	16QAM	36	0	16.04	16.10	16.03		
15	16QAM	36	20	15.97	16.05	16.05		
15	16QAM	36	39	16.03	16.05	16.10	17	0
15	16QAM	75	0	16.04	16.12	16.00		
15	64QAM	1	0	15.98	16.11	16.07		
15	64QAM	1	37	16.05	16.01	16.06	17	0
15	64QAM	1	74	16.01	16.07	15.99		
15	64QAM	36	0	15.97	16.14	16.00		
15	64QAM	36	20	16.00	16.05	16.02	17	0
15	64QAM	36	39	16.06	16.06	15.96		



15	64QAM	75	0	16.03	16.05	16.09		
15	256QAM	1	0	16.07	16.06	16.01	17	0
15	256QAM	1	37	16.02	16.10	16.01		
15	256QAM	1	74	15.95	16.13	16.00		
15	256QAM	36	0	16.00	16.06	16.05	17	0
15	256QAM	36	20	16.03	16.08	16.06		
15	256QAM	36	39	16.02	16.12	15.96		
15	256QAM	75	0	16.03	16.09	15.94		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	16.03	16.10	15.95	17	0
10	QPSK	1	25	16.09	16.10	16.02		
10	QPSK	1	49	15.99	16.12	16.07		
10	QPSK	25	0	16.02	16.04	16.07	17	0
10	QPSK	25	12	16.01	16.03	16.00		
10	QPSK	25	25	16.00	16.13	15.99		
10	QPSK	50	0	16.07	16.04	16.02		
10	16QAM	1	0	16.08	16.13	15.97	17	0
10	16QAM	1	25	16.02	16.08	16.03		
10	16QAM	1	49	16.00	16.03	16.08		
10	16QAM	25	0	16.04	16.11	15.99	17	0
10	16QAM	25	12	16.01	16.05	16.07		
10	16QAM	25	25	16.07	16.05	16.04		
10	16QAM	50	0	16.04	16.08	16.03		
10	64QAM	1	0	15.95	16.04	16.03	17	0
10	64QAM	1	25	15.99	15.99	16.07		
10	64QAM	1	49	16.02	16.04	16.02		
10	64QAM	25	0	16.01	16.11	16.03	17	0
10	64QAM	25	12	16.07	15.99	16.10		
10	64QAM	25	25	16.04	16.04	15.98		
10	64QAM	50	0	16.03	16.09	16.04		
10	256QAM	1	0	16.04	16.03	16.07	17	0
10	256QAM	1	25	16.03	16.04	15.98		
10	256QAM	1	49	16.00	16.05	15.99		
10	256QAM	25	0	15.97	16.14	16.03	17	0
10	256QAM	25	12	16.04	16.03	16.09		
10	256QAM	25	25	16.02	16.07	16.00		
10	256QAM	50	0	16.06	16.04	15.99		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	16.06	16.05	15.99	17	0
5	QPSK	1	12	16.03	16.07	15.95		
5	QPSK	1	24	15.95	16.12	16.07		
5	QPSK	12	0	16.04	16.07	16.08	17	0
5	QPSK	12	7	16.06	16.05	15.99		
5	QPSK	12	13	15.99	16.09	16.03		
5	QPSK	25	0	16.03	16.06	16.09		
5	16QAM	1	0	16.08	16.07	16.03	17	0
5	16QAM	1	12	15.98	16.12	16.00		
5	16QAM	1	24	16.03	15.99	16.09		
5	16QAM	12	0	16.07	16.10	15.97	17	0
5	16QAM	12	7	15.99	16.11	16.03		
5	16QAM	12	13	16.01	16.05	16.02		
5	16QAM	25	0	16.01	16.10	16.02		
5	64QAM	1	0	16.01	16.07	16.00	17	0



5	64QAM	1	12	16.02	16.06	16.05	17	0
5	64QAM	1	24	16.03	16.11	15.99		
5	64QAM	12	0	15.96	16.07	16.09		
5	64QAM	12	7	16.01	16.02	16.04		
5	64QAM	12	13	16.06	16.08	15.94		
5	64QAM	25	0	16.01	16.06	16.01	17	0
5	256QAM	1	0	16.05	16.04	16.10		
5	256QAM	1	12	16.06	16.04	15.96		
5	256QAM	1	24	15.99	16.10	16.01	17	0
5	256QAM	12	0	15.97	16.08	15.99		
5	256QAM	12	7	16.01	16.06	16.06		
5	256QAM	12	13	16.01	16.09	15.95		
5	256QAM	25	0	16.10	16.09	15.99		

**Reduced Power Mode for DSI 4**

**Band 38 Ant 3 DSI4**

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	19.45	19.89	19.71	20.8	0
20	QPSK	1	49	19.51	19.53	19.60		
20	QPSK	1	99	19.60	19.43	19.66		
20	QPSK	50	0	19.53	19.61	19.51	20.8	0
20	QPSK	50	24	19.59	19.48	19.50		
20	QPSK	50	50	19.53	19.22	19.50		
20	QPSK	100	0	19.32	19.62	19.51	20.8	0
20	16QAM	1	0	19.34	19.62	19.53		
20	16QAM	1	49	19.36	19.14	19.44		
20	16QAM	1	99	19.54	19.34	19.35	20.8	0
20	16QAM	50	0	19.38	19.53	19.62		
20	16QAM	50	24	19.43	19.32	19.45		
20	16QAM	50	50	19.48	19.26	19.51	20.8	0
20	16QAM	100	0	19.06	19.33	19.24		
20	64QAM	1	0	19.45	19.36	19.27		
20	64QAM	1	49	19.24	19.28	19.31	20.8	0
20	64QAM	1	99	19.26	19.44	19.31		
20	64QAM	50	0	19.29	19.62	19.51		
20	64QAM	50	24	19.43	19.21	19.43	20.8	0
20	64QAM	50	50	19.45	19.33	19.56		
20	64QAM	100	0	19.12	19.38	19.09		
20	256QAM	1	0	17.25	17.30	17.32	19	1.8
20	256QAM	1	49	17.42	17.37	17.26		
20	256QAM	1	99	17.24	17.27	17.41		
20	256QAM	50	0	17.29	17.11	17.30	19	1.8
20	256QAM	50	24	17.17	17.04	17.25		
20	256QAM	50	50	17.13	17.09	17.21		
20	256QAM	100	0	17.12	17.22	17.11	20.8	0
Channel				37825	38000	38175		
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.45	19.84	19.78	20.8	0
15	QPSK	1	37	19.56	19.59	19.62		
15	QPSK	1	74	19.57	19.38	19.69		
15	QPSK	36	0	19.59	19.73	19.53	20.8	0
15	QPSK	36	20	19.71	19.53	19.52		





15	QPSK	36	39	19.53	19.30	19.55		
15	QPSK	75	0	19.43	19.53	19.63		
15	16QAM	1	0	19.23	19.49	19.38	20.8	0
15	16QAM	1	37	19.32	19.06	19.32		
15	16QAM	1	74	19.50	19.20	19.54		
15	16QAM	36	0	19.42	19.62	19.56	20.8	0
15	16QAM	36	20	19.42	19.32	19.57		
15	16QAM	36	39	19.60	19.38	19.45		
15	16QAM	75	0	19.11	19.40	19.20		
15	64QAM	1	0	19.51	19.48	19.20	20.8	0
15	64QAM	1	37	19.19	19.26	19.13		
15	64QAM	1	74	19.18	19.39	19.30		
15	64QAM	36	0	19.41	19.65	19.54	20.8	0
15	64QAM	36	20	19.45	19.35	19.41		
15	64QAM	36	39	19.58	19.33	19.51		
15	64QAM	75	0	19.04	19.40	19.08		
15	256QAM	1	0	17.23	17.29	17.28	19	1.8
15	256QAM	1	37	17.36	17.35	17.25		
15	256QAM	1	74	17.31	17.23	17.43		
15	256QAM	36	0	17.35	17.14	17.24	19	1.8
15	256QAM	36	20	17.18	17.02	17.22		
15	256QAM	36	39	17.16	17.16	17.22		
15	256QAM	75	0	17.18	17.20	17.20		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.55	19.86	19.67	20.8	0
10	QPSK	1	25	19.65	19.55	19.55		
10	QPSK	1	49	19.53	19.48	19.72		
10	QPSK	25	0	19.60	19.67	19.37	20.8	0
10	QPSK	25	12	19.63	19.59	19.46		
10	QPSK	25	25	19.47	19.27	19.45		
10	QPSK	50	0	19.33	19.45	19.61		
10	16QAM	1	0	19.26	19.64	19.55	20.8	0
10	16QAM	1	25	19.30	19.24	19.33		
10	16QAM	1	49	19.43	19.26	19.53		
10	16QAM	25	0	19.33	19.50	19.53	20.8	0
10	16QAM	25	12	19.43	19.24	19.50		
10	16QAM	25	25	19.49	19.37	19.59		
10	16QAM	50	0	19.06	19.46	19.15		
10	64QAM	1	0	19.46	19.37	19.34	20.8	0
10	64QAM	1	25	19.16	19.18	19.27		
10	64QAM	1	49	19.28	19.38	19.30		
10	64QAM	25	0	19.28	19.60	19.48	20.8	0
10	64QAM	25	12	19.47	19.24	19.53		
10	64QAM	25	25	19.47	19.35	19.56		
10	64QAM	50	0	19.06	19.31	19.15		
10	256QAM	1	0	17.32	17.35	17.29	19	1.8
10	256QAM	1	25	17.39	17.38	17.26		
10	256QAM	1	49	17.30	17.24	17.43		
10	256QAM	25	0	17.32	17.14	17.28	19	1.8
10	256QAM	25	12	17.16	17.11	17.27		
10	256QAM	25	25	17.19	17.09	17.19		
10	256QAM	50	0	17.18	17.22	17.11		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		



5	QPSK	1	0	19.43	19.73	19.65	20.8	0
5	QPSK	1	12	19.64	19.51	19.54		
5	QPSK	1	24	19.70	19.44	19.73		
5	QPSK	12	0	19.43	19.64	19.47	20.8	0
5	QPSK	12	7	19.68	19.51	19.41		
5	QPSK	12	13	19.59	19.24	19.62		
5	QPSK	25	0	19.44	19.46	19.55	20.8	0
5	16QAM	1	0	19.31	19.55	19.45		
5	16QAM	1	12	19.33	19.22	19.33		
5	16QAM	1	24	19.50	19.20	19.48	20.8	0
5	16QAM	12	0	19.26	19.52	19.54		
5	16QAM	12	7	19.50	19.25	19.52		
5	16QAM	12	13	19.52	19.27	19.58	20.8	0
5	16QAM	25	0	19.13	19.33	19.15		
5	64QAM	1	0	19.50	19.47	19.29		
5	64QAM	1	12	19.18	19.33	19.19	20.8	0
5	64QAM	1	24	19.13	19.44	19.32		
5	64QAM	12	0	19.24	19.54	19.47		
5	64QAM	12	7	19.41	19.25	19.45	20.8	0
5	64QAM	12	13	19.48	19.22	19.56		
5	64QAM	25	0	19.09	19.31	19.13		
5	256QAM	1	0	17.26	17.34	17.37	19	1.8
5	256QAM	1	12	17.38	17.36	17.29		
5	256QAM	1	24	17.30	17.27	17.37		
5	256QAM	12	0	17.34	17.12	17.27	19	1.8
5	256QAM	12	7	17.13	17.09	17.18		
5	256QAM	12	13	17.13	17.18	17.20		
5	256QAM	25	0	17.12	17.24	17.19	19	1.8

### Band 41 Ant 3 DSI4

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	19.93	19.71	20.08	19.98	19.87	20.8	0
20	QPSK	1	49	19.80	19.81	19.81	19.86	19.83		
20	QPSK	1	99	19.83	19.87	19.72	19.91	19.78		
20	QPSK	50	0	19.62	19.78	19.96	19.71	19.62	20.8	0
20	QPSK	50	24	19.81	19.87	19.81	19.75	19.80		
20	QPSK	50	50	19.67	19.81	19.54	19.80	19.76		
20	QPSK	100	0	19.74	19.64	19.79	19.78	19.67	20.8	0
20	16QAM	1	0	19.68	19.55	19.80	19.73	19.64		
20	16QAM	1	49	19.61	19.59	19.40	19.59	19.66		
20	16QAM	1	99	19.75	19.74	19.53	19.70	19.68	20.8	0
20	16QAM	50	0	19.70	19.59	19.81	19.80	19.69		
20	16QAM	50	24	19.62	19.70	19.51	19.74	19.46		
20	16QAM	50	50	19.60	19.75	19.57	19.77	19.62	20.8	0
20	16QAM	100	0	19.53	19.36	19.65	19.41	19.36		
20	64QAM	1	0	19.51	19.66	19.68	19.54	19.55		
20	64QAM	1	49	19.53	19.46	19.52	19.46	19.52	20.8	0
20	64QAM	1	99	19.44	19.45	19.62	19.54	19.43		
20	64QAM	50	0	19.70	19.59	19.81	19.80	19.69		
20	64QAM	50	24	19.62	19.70	19.51	19.74	19.46	20.8	0



20	64QAM	50	50	19.60	19.75	19.57	19.77	19.62		
20	64QAM	100	0	19.53	19.36	19.65	19.41	19.36		
20	256QAM	1	0	17.37	17.28	17.32	17.33	17.27	19	1.8
20	256QAM	1	49	17.32	17.41	17.38	17.30	17.35		
20	256QAM	1	99	17.40	17.27	17.24	17.39	17.25		
20	256QAM	50	0	17.30	17.31	17.14	17.25	17.24	19	1.8
20	256QAM	50	24	17.27	17.13	17.06	17.23	17.15		
20	256QAM	50	50	17.18	17.15	17.14	17.18	17.17		
20	256QAM	100	0	17.41	17.14	17.20	17.16	17.08		
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	19.83	19.53	20.01	19.77	19.69	21	0
15	QPSK	1	37	19.59	19.62	19.75	19.76	19.61		
15	QPSK	1	74	19.73	19.67	19.54	19.70	19.59		
15	QPSK	36	0	19.44	19.53	19.82	19.62	19.41	20.8	0
15	QPSK	36	20	19.65	19.82	19.59	19.56	19.74		
15	QPSK	36	39	19.55	19.74	19.33	19.57	19.52		
15	QPSK	75	0	19.66	19.56	19.65	19.68	19.48		
15	16QAM	1	0	19.57	19.36	19.65	19.60	19.53	20.8	0
15	16QAM	1	37	19.46	19.50	19.26	19.51	19.45		
15	16QAM	1	74	19.61	19.67	19.36	19.51	19.49		
15	16QAM	36	0	19.62	19.40	19.71	19.75	19.64	20.8	0
15	16QAM	36	20	19.46	19.52	19.44	19.58	19.37		
15	16QAM	36	39	19.47	19.57	19.36	19.61	19.57		
15	16QAM	75	0	19.31	19.16	19.53	19.35	19.26		
15	64QAM	1	0	19.27	19.48	19.54	19.44	19.34	20.8	0
15	64QAM	1	37	19.35	19.36	19.40	19.28	19.47		
15	64QAM	1	74	19.39	19.25	19.50	19.41	19.32		
15	64QAM	36	0	19.46	19.43	19.64	19.58	19.52	20.8	0
15	64QAM	36	20	19.52	19.48	19.44	19.55	19.30		
15	64QAM	36	39	19.55	19.69	19.43	19.58	19.44		
15	64QAM	75	0	19.43	19.30	19.47	19.18	19.20		
15	256QAM	1	0	17.31	17.31	17.30	17.34	17.28	19	1.8
15	256QAM	1	37	17.31	17.40	17.35	17.33	17.35		
15	256QAM	1	74	17.38	17.30	17.27	17.41	17.25		
15	256QAM	36	0	17.27	17.22	17.14	17.23	17.22	19	1.8
15	256QAM	36	20	17.19	17.11	17.08	17.20	17.14		
15	256QAM	36	39	17.20	17.15	17.18	17.14	17.09		
15	256QAM	75	0	17.45	17.16	17.16	17.17	17.11		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.85	19.60	19.99	19.91	19.68	21	0
10	QPSK	1	25	19.72	19.73	19.72	19.71	19.73		
10	QPSK	1	49	19.72	19.78	19.62	19.83	19.71		
10	QPSK	25	0	19.43	19.61	19.85	19.53	19.42	20.8	0
10	QPSK	25	12	19.59	19.67	19.66	19.69	19.69		
10	QPSK	25	25	19.55	19.65	19.45	19.60	19.69		
10	QPSK	50	0	19.54	19.44	19.64	19.64	19.54		
10	16QAM	1	0	19.58	19.37	19.71	19.55	19.52	20.8	0
10	16QAM	1	25	19.39	19.48	19.31	19.41	19.50		
10	16QAM	1	49	19.68	19.66	19.36	19.61	19.51		
10	16QAM	25	0	19.59	19.37	19.57	19.57	19.47	20.8	0
10	16QAM	25	12	19.48	19.55	19.44	19.65	19.40		
10	16QAM	25	25	19.42	19.67	19.45	19.62	19.43		
10	16QAM	50	0	19.45	19.22	19.45	19.29	19.28		



10	64QAM	1	0	19.32	19.59	19.61	19.34	19.46	20.8	0
10	64QAM	1	25	19.36	19.22	19.31	19.32	19.31		
10	64QAM	1	49	19.34	19.40	19.51	19.38	19.34		
10	64QAM	25	0	19.61	19.39	19.59	19.58	19.57	20.8	0
10	64QAM	25	12	19.41	19.46	19.33	19.61	19.29		
10	64QAM	25	25	19.52	19.57	19.43	19.67	19.38		
10	64QAM	50	0	19.45	19.20	19.41	19.26	19.31	19	1.8
10	256QAM	1	0	17.36	17.29	17.29	17.31	17.27		
10	256QAM	1	25	17.33	17.37	17.31	17.24	17.31		
10	256QAM	1	49	17.38	17.25	17.22	17.42	17.23	19	1.8
10	256QAM	25	0	17.31	17.27	17.11	17.26	17.22		
10	256QAM	25	12	17.27	17.19	17.06	17.21	17.15		
10	256QAM	25	25	17.19	17.08	17.16	17.21	17.13	19	1.8
10	256QAM	50	0	17.43	17.18	17.17	17.24	17.16		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.74	19.64	19.92	19.79	19.65	21	0
5	QPSK	1	12	19.71	19.68	19.65	19.66	19.62		
5	QPSK	1	24	19.59	19.68	19.62	19.81	19.73		
5	QPSK	12	0	19.57	19.61	19.75	19.63	19.39	20.8	0
5	QPSK	12	7	19.71	19.75	19.69	19.51	19.70		
5	QPSK	12	13	19.54	19.65	19.46	19.72	19.60		
5	QPSK	25	0	19.53	19.43	19.58	19.62	19.50	20.8	0
5	16QAM	1	0	19.50	19.35	19.58	19.66	19.51		
5	16QAM	1	12	19.46	19.40	19.32	19.45	19.53		
5	16QAM	1	24	19.68	19.61	19.41	19.49	19.44	20.8	0
5	16QAM	12	0	19.57	19.39	19.68	19.59	19.45		
5	16QAM	12	7	19.40	19.51	19.42	19.58	19.39		
5	16QAM	12	13	19.38	19.52	19.34	19.68	19.41	20.8	0
5	16QAM	25	0	19.38	19.26	19.59	19.22	19.30		
5	64QAM	1	0	19.40	19.52	19.58	19.37	19.38		
5	64QAM	1	12	19.31	19.31	19.36	19.31	19.39	20.8	0
5	64QAM	1	24	19.26	19.28	19.54	19.37	19.30		
5	64QAM	12	0	19.59	19.50	19.71	19.66	19.55		
5	64QAM	12	7	19.43	19.61	19.42	19.67	19.39	20.8	0
5	64QAM	12	13	19.48	19.63	19.47	19.62	19.39		
5	64QAM	25	0	19.31	19.25	19.50	19.25	19.29		
5	256QAM	1	0	17.31	17.36	17.30	17.35	17.33	19	1.8
5	256QAM	1	12	17.31	17.35	17.31	17.28	17.39		
5	256QAM	1	24	17.43	17.26	17.21	17.41	17.29		
5	256QAM	12	0	17.28	17.23	17.16	17.29	17.30	19	1.8
5	256QAM	12	7	17.27	17.18	17.03	17.23	17.10		
5	256QAM	12	13	17.23	17.14	17.15	17.21	17.10		
5	256QAM	25	0	17.37	17.11	17.12	17.23	17.10		

## Band 42 FCC Part27Q Ant 4 DSI4

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				42190	42590	42990	23.8	0
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.54	22.64	22.59		
20	QPSK	1	49	22.59	22.58	22.61	23	0.8
20	QPSK	1	99	22.60	22.63	22.54		
20	QPSK	50	0	21.67	21.84	21.63		



20	QPSK	50	24	21.73	21.65	21.65		
20	QPSK	50	50	21.82	21.69	21.70		
20	QPSK	100	0	21.65	21.76	21.70		
20	16QAM	1	0	22.02	22.01	22.03		
20	16QAM	1	49	21.95	22.05	22.08	23	0.8
20	16QAM	1	99	22.04	22.03	22.22		
20	16QAM	50	0	20.83	20.75	20.64		
20	16QAM	50	24	20.71	20.72	20.78	22	1.8
20	16QAM	50	50	20.74	20.68	20.70		
20	16QAM	100	0	20.64	20.70	20.55		
20	64QAM	1	0	20.72	20.74	20.67		
20	64QAM	1	49	20.75	20.69	20.66	22	1.8
20	64QAM	1	99	20.64	20.70	20.69		
20	64QAM	50	0	19.88	19.77	19.68		
20	64QAM	50	24	19.74	19.72	19.78	21	2.8
20	64QAM	50	50	19.90	19.85	19.79		
20	64QAM	100	0	19.66	19.80	19.80		
20	256QAM	1	0	17.63	17.49	17.62		
20	256QAM	1	49	17.71	17.65	17.59	19	4.8
20	256QAM	1	99	17.57	17.59	17.71		
20	256QAM	50	0	17.71	17.54	17.67		
20	256QAM	50	24	17.61	17.60	17.55	19	4.8
20	256QAM	50	50	17.62	17.63	17.62		
20	256QAM	100	0	17.59	17.65	17.63		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	22.49	22.57	22.44	23.8	0
15	QPSK	1	37	22.45	22.45	22.49		
15	QPSK	1	74	22.49	22.49	22.41		
15	QPSK	36	0	21.61	21.76	21.58	23	0.8
15	QPSK	36	20	21.65	21.58	21.50		
15	QPSK	36	39	21.68	21.54	21.64		
15	QPSK	75	0	21.51	21.70	21.57		
15	16QAM	1	0	21.95	21.92	21.96	23	0.8
15	16QAM	1	37	21.84	21.97	22.00		
15	16QAM	1	74	21.91	21.97	22.13		
15	16QAM	36	0	20.77	20.69	20.52	22	1.8
15	16QAM	36	20	20.61	20.65	20.71		
15	16QAM	36	39	20.69	20.57	20.64		
15	16QAM	75	0	20.53	20.62	20.43		
15	64QAM	1	0	20.64	20.67	20.61	22	1.8
15	64QAM	1	37	20.68	20.63	20.58		
15	64QAM	1	74	20.56	20.64	20.59		
15	64QAM	36	0	19.76	19.72	19.58	21	2.8
15	64QAM	36	20	19.60	19.57	19.70		
15	64QAM	36	39	19.80	19.73	19.71		
15	64QAM	75	0	19.59	19.74	19.65		
15	256QAM	1	0	17.49	17.43	17.55	19	4.8
15	256QAM	1	37	17.62	17.55	17.51		
15	256QAM	1	74	17.48	17.48	17.60		
15	256QAM	36	0	17.64	17.45	17.52	19	4.8
15	256QAM	36	20	17.51	17.49	17.42		
15	256QAM	36	39	17.50	17.57	17.54		
15	256QAM	75	0	17.44	17.59	17.56		
Channel				42140	42590	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		



							(dBm)	
10	QPSK	1	0	22.42	22.51	22.49	23.8	0
10	QPSK	1	25	22.48	22.47	22.48		
10	QPSK	1	49	22.49	22.51	22.44		
10	QPSK	25	0	21.57	21.79	21.54	23	0.8
10	QPSK	25	12	21.65	21.56	21.54		
10	QPSK	25	25	21.73	21.58	21.63		
10	QPSK	50	0	21.50	21.68	21.63	23	0.8
10	16QAM	1	0	21.94	21.92	21.92		
10	16QAM	1	25	21.84	21.99	21.99		
10	16QAM	1	49	21.96	21.92	22.14	22	1.8
10	16QAM	25	0	20.68	20.61	20.56		
10	16QAM	25	12	20.60	20.59	20.65		
10	16QAM	25	25	20.63	20.62	20.58	22	1.8
10	16QAM	50	0	20.51	20.58	20.41		
10	64QAM	1	0	20.62	20.67	20.60		
10	64QAM	1	25	20.61	20.58	20.54	22	1.8
10	64QAM	1	49	20.59	20.64	20.58		
10	64QAM	25	0	19.83	19.70	19.60		
10	64QAM	25	12	19.68	19.62	19.70	21	2.8
10	64QAM	25	25	19.77	19.70	19.66		
10	64QAM	50	0	19.52	19.73	19.66		
10	256QAM	1	0	17.48	17.41	17.49	19	4.8
10	256QAM	1	25	17.66	17.54	17.49		
10	256QAM	1	49	17.48	17.50	17.60		
10	256QAM	25	0	17.57	17.40	17.62	19	4.8
10	256QAM	25	12	17.49	17.48	17.41		
10	256QAM	25	25	17.52	17.50	17.49		
10	256QAM	50	0	17.53	17.50	17.51	19	4.8
Channel				42115	42590	43065		
Frequency (MHz)				3452.5	3500	3547.5		
							Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	22.49	22.51	22.48	23.8	0
5	QPSK	1	12	22.47	22.46	22.55		
5	QPSK	1	24	22.52	22.54	22.45		
5	QPSK	12	0	21.53	21.70	21.56	23	0.8
5	QPSK	12	7	21.67	21.52	21.56		
5	QPSK	12	13	21.68	21.58	21.61		
5	QPSK	25	0	21.59	21.63	21.63	23	0.8
5	16QAM	1	0	21.89	21.95	21.94		
5	16QAM	1	12	21.89	21.93	21.94		
5	16QAM	1	24	21.99	21.88	22.08	22	1.8
5	16QAM	12	0	20.78	20.68	20.50		
5	16QAM	12	7	20.56	20.66	20.71		
5	16QAM	12	13	20.65	20.55	20.62	22	1.8
5	16QAM	25	0	20.53	20.64	20.50		
5	64QAM	1	0	20.67	20.68	20.59		
5	64QAM	1	12	20.69	20.54	20.55	22	1.8
5	64QAM	1	24	20.53	20.64	20.58		
5	64QAM	12	0	19.79	19.71	19.55		
5	64QAM	12	7	19.69	19.67	19.65	21	2.8
5	64QAM	12	13	19.83	19.70	19.73		
5	64QAM	25	0	19.60	19.74	19.68		
5	256QAM	1	0	17.57	17.34	17.49	19	4.8
5	256QAM	1	12	17.64	17.52	17.46		
5	256QAM	1	24	17.52	17.47	17.65		
5	256QAM	12	0	17.64	17.47	17.61	19	4.8



5	256QAM	12	7	17.51	17.52	17.47		
5	256QAM	12	13	17.52	17.57	17.50		
5	256QAM	25	0	17.45	17.55	17.50		

**Reduced Power Mode for DSI 5**

**Band 38 Ant 3 DSI5**

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	19.81	20.27	20.19	21.6	0
20	QPSK	1	49	19.89	19.79	19.97		
20	QPSK	1	99	20.02	19.87	20.02		
20	QPSK	50	0	19.70	19.95	19.75	21.6	0
20	QPSK	50	24	19.81	19.86	19.80		
20	QPSK	50	50	19.80	19.64	19.76		
20	QPSK	100	0	19.60	19.80	19.74	21.6	0
20	16QAM	1	0	19.68	19.79	19.91		
20	16QAM	1	49	19.86	19.93	20.09		
20	16QAM	1	99	19.90	19.96	19.96	21.6	0
20	16QAM	50	0	19.93	20.01	20.16		
20	16QAM	50	24	19.91	19.80	19.98		
20	16QAM	50	50	19.83	19.88	20.06	21.6	0
20	16QAM	100	0	19.97	20.08	20.04		
20	64QAM	1	0	20.09	19.88	20.11		
20	64QAM	1	49	19.93	19.73	19.92	21.6	0
20	64QAM	1	99	19.84	19.81	20.00		
20	64QAM	50	0	20.01	20.02	19.99		
20	64QAM	50	24	19.93	19.78	19.96	21	0.6
20	64QAM	50	50	19.88	19.88	19.93		
20	64QAM	100	0	19.95	20.08	20.03		
20	256QAM	1	0	17.41	17.40	17.43	19	2.6
20	256QAM	1	49	17.45	17.43	17.43		
20	256QAM	1	99	17.35	17.49	17.42		
20	256QAM	50	0	17.20	17.38	17.37	19	2.6
20	256QAM	50	24	17.20	17.34	17.27		
20	256QAM	50	50	17.21	17.31	17.20		
20	256QAM	100	0	17.30	17.54	17.20		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.88	20.16	20.13	21.6	0
15	QPSK	1	37	19.90	19.86	19.98		
15	QPSK	1	74	19.95	19.81	20.00		
15	QPSK	36	0	19.74	19.74	19.78	21.6	0
15	QPSK	36	20	19.81	19.88	19.82		
15	QPSK	36	39	19.81	19.62	19.77		
15	QPSK	75	0	19.60	19.82	19.75	21.6	0
15	16QAM	1	0	19.70	19.76	19.94		
15	16QAM	1	37	19.91	19.87	20.07		
15	16QAM	1	74	19.93	19.91	19.96	21.6	0
15	16QAM	36	0	19.99	19.99	20.18		
15	16QAM	36	20	19.92	19.73	20.00		
15	16QAM	36	39	19.78	19.85	20.03	21.6	0
15	16QAM	75	0	19.97	20.12	20.05		
15	64QAM	1	0	20.08	19.89	20.07		



15	64QAM	1	37	19.93	19.79	19.94	21	0.6
15	64QAM	1	74	19.84	19.87	20.03		
15	64QAM	36	0	19.95	20.07	20.00		
15	64QAM	36	20	19.93	19.82	19.95		
15	64QAM	36	39	19.86	19.83	19.96		
15	64QAM	75	0	19.99	20.05	19.96		
15	256QAM	1	0	17.23	17.33	17.27	19	2.6
15	256QAM	1	37	17.35	17.32	17.37		
15	256QAM	1	74	17.29	17.41	17.29		
15	256QAM	36	0	17.14	17.25	17.30	19	2.6
15	256QAM	36	20	17.07	17.28	17.10		
15	256QAM	36	39	17.14	17.21	17.18		
15	256QAM	75	0	17.14	17.41	17.14		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.86	20.13	20.18	21.6	0
10	QPSK	1	25	19.85	19.85	19.99		
10	QPSK	1	49	20.00	19.86	19.97		
10	QPSK	25	0	19.77	19.75	19.76	21.6	0
10	QPSK	25	12	19.84	19.82	19.73		
10	QPSK	25	25	19.75	19.62	19.72		
10	QPSK	50	0	19.62	19.80	19.71		
10	16QAM	1	0	19.77	19.83	19.90	21.6	0
10	16QAM	1	25	19.86	19.92	20.11		
10	16QAM	1	49	19.91	19.98	20.02		
10	16QAM	25	0	19.92	19.94	20.21	21.6	0
10	16QAM	25	12	19.95	19.79	19.92		
10	16QAM	25	25	19.80	19.88	19.99		
10	16QAM	50	0	19.95	20.08	20.01		
10	64QAM	1	0	20.04	19.96	20.06	21.6	0
10	64QAM	1	25	19.98	19.75	19.96		
10	64QAM	1	49	19.85	19.80	20.00		
10	64QAM	25	0	20.00	19.99	19.96	21	0.6
10	64QAM	25	12	19.90	19.77	19.92		
10	64QAM	25	25	19.87	19.85	19.95		
10	64QAM	50	0	19.97	20.09	20.00		
10	256QAM	1	0	17.32	17.34	17.35	19	2.6
10	256QAM	1	25	17.35	17.28	17.36		
10	256QAM	1	49	17.22	17.43	17.31		
10	256QAM	25	0	17.16	17.29	17.22	19	2.6
10	256QAM	25	12	17.11	17.24	17.17		
10	256QAM	25	25	17.15	17.18	17.11		
10	256QAM	50	0	17.15	17.45	17.13		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.88	20.14	20.17	21.6	0
5	QPSK	1	12	19.84	19.86	20.05		
5	QPSK	1	24	20.02	19.78	20.01		
5	QPSK	12	0	19.77	19.75	19.70	21.6	0
5	QPSK	12	7	19.79	19.86	19.78		
5	QPSK	12	13	19.83	19.71	19.77		
5	QPSK	25	0	19.62	19.77	19.73		
5	16QAM	1	0	19.74	19.83	19.86	21.6	0
5	16QAM	1	12	19.90	19.95	20.09		
5	16QAM	1	24	19.88	19.98	19.98		





5	16QAM	12	0	19.97	19.98	20.14	21.6	0
5	16QAM	12	7	19.90	19.75	19.97		
5	16QAM	12	13	19.79	19.80	20.09		
5	16QAM	25	0	19.93	20.03	20.04		
5	64QAM	1	0	20.02	19.95	20.13	21.6	0
5	64QAM	1	12	19.95	19.79	19.88		
5	64QAM	1	24	19.81	19.87	20.04		
5	64QAM	12	0	19.94	20.05	19.96	21	0.6
5	64QAM	12	7	19.93	19.75	19.94		
5	64QAM	12	13	19.87	19.80	19.92		
5	64QAM	25	0	19.95	20.13	20.01		
5	256QAM	1	0	17.33	17.31	17.34	19	2.6
5	256QAM	1	12	17.38	17.33	17.39		
5	256QAM	1	24	17.21	17.35	17.33		
5	256QAM	12	0	17.14	17.31	17.28	19	2.6
5	256QAM	12	7	17.03	17.25	17.15		
5	256QAM	12	13	17.10	17.18	17.14		
5	256QAM	25	0	17.19	17.42	17.17		

### Band 41 Ant 3 DSI5

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	20.29	20.03	20.38	20.34	20.07	21.6	0
20	QPSK	1	49	20.19	20.08	20.02	20.20	20.04		
20	QPSK	1	99	20.18	20.18	20.02	20.18	20.16		
20	QPSK	50	0	19.93	19.94	20.11	19.95	19.88	21.6	0
20	QPSK	50	24	20.00	20.03	20.06	19.98	19.99		
20	QPSK	50	50	19.95	19.99	19.86	19.97	19.95		
20	QPSK	100	0	19.95	19.83	19.97	19.94	19.87		
20	16QAM	1	0	20.10	19.92	19.99	20.10	19.94	21.6	0
20	16QAM	1	49	20.26	20.10	20.10	20.28	20.09		
20	16QAM	1	99	20.11	20.11	20.16	20.20	20.08		
20	16QAM	50	0	20.36	20.16	20.19	20.37	20.18	21.6	0
20	16QAM	50	24	20.09	20.14	19.97	20.15	20.15		
20	16QAM	50	50	20.21	19.98	20.05	20.24	20.06		
20	16QAM	100	0	20.21	20.14	20.28	20.20	20.07		
20	64QAM	1	0	20.29	20.26	20.12	20.30	20.17	21.6	0
20	64QAM	1	49	20.10	20.17	19.97	20.12	20.15		
20	64QAM	1	99	20.19	20.04	20.05	20.21	20.08		
20	64QAM	50	0	20.13	20.18	20.23	20.18	20.10	21	0.6
20	64QAM	50	24	20.08	20.09	19.99	20.11	20.09		
20	64QAM	50	50	20.19	20.06	20.04	20.16	20.07		
20	64QAM	100	0	20.18	20.15	20.29	20.18	20.03		
20	256QAM	1	0	17.37	17.28	17.32	17.33	17.27	19	2.6
20	256QAM	1	49	17.32	17.41	17.38	17.30	17.35		
20	256QAM	1	99	17.40	17.27	17.24	17.39	17.25		
20	256QAM	50	0	17.30	17.31	17.14	17.25	17.24	19	2.6
20	256QAM	50	24	17.27	17.13	17.06	17.23	17.15		
20	256QAM	50	50	17.18	17.15	17.14	17.18	17.17		
20	256QAM	100	0	17.41	17.14	17.20	17.16	17.08		
Channel				39725	40173	40620	41068	41515	Tune-up	MPR



Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	limit (dBm)	(dB)
15	QPSK	1	0	20.07	19.88	20.17	20.16	19.91	21.6	0
15	QPSK	1	37	20.01	19.88	19.86	19.99	19.87		
15	QPSK	1	74	19.95	20.01	19.80	19.97	19.95		
15	QPSK	36	0	19.70	19.75	19.71	19.78	19.72	21.6	0
15	QPSK	36	20	19.85	19.78	19.83	19.73	19.78		
15	QPSK	36	39	19.76	19.74	19.67	19.81	19.79		
15	QPSK	75	0	19.70	19.66	19.77	19.74	19.71	21.6	0
15	16QAM	1	0	19.89	19.74	19.80	19.92	19.72		
15	16QAM	1	37	20.09	19.91	19.89	20.08	19.87		
15	16QAM	1	74	19.93	19.88	19.99	19.97	19.86	21.6	0
15	16QAM	36	0	20.33	20.18	20.16	20.37	20.17		
15	16QAM	36	20	20.04	20.16	19.96	20.10	20.11		
15	16QAM	36	39	20.26	20.02	20.02	20.19	20.04	21.6	0
15	16QAM	75	0	20.18	20.14	20.22	20.11	20.09		
15	64QAM	1	0	19.91	19.80	19.75	19.99	19.73		
15	64QAM	1	37	19.98	19.99	19.93	19.97	20.03	21.6	0
15	64QAM	1	74	19.97	19.93	19.88	19.94	19.91		
15	64QAM	36	0	20.37	20.25	20.16	20.37	20.14		
15	64QAM	36	20	20.08	20.18	19.99	20.07	20.13	21	0.6
15	64QAM	36	39	20.25	20.00	19.98	20.21	20.08		
15	64QAM	75	0	20.11	20.11	20.26	20.13	20.06		
15	256QAM	1	0	17.31	17.31	17.30	17.34	17.28	19	2.6
15	256QAM	1	37	17.31	17.40	17.35	17.33	17.35		
15	256QAM	1	74	17.38	17.30	17.27	17.41	17.25		
15	256QAM	36	0	17.27	17.22	17.14	17.23	17.22	19	2.6
15	256QAM	36	20	17.19	17.11	17.08	17.20	17.14		
15	256QAM	36	39	17.20	17.15	17.18	17.14	17.09		
15	256QAM	75	0	17.45	17.16	17.16	17.17	17.11	Tune-up limit (dBm)	MPR (dB)
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.12	19.84	20.18	20.19	19.85	21.6	0
10	QPSK	1	25	19.95	19.89	19.79	19.98	19.87		
10	QPSK	1	49	19.97	20.01	19.81	19.98	19.93		
10	QPSK	25	0	19.73	19.70	19.72	19.78	19.72	21.6	0
10	QPSK	25	12	19.80	19.82	19.82	19.76	19.82		
10	QPSK	25	25	19.71	19.81	19.69	19.78	19.72		
10	QPSK	50	0	19.73	19.66	19.79	19.69	19.71	21.6	0
10	16QAM	1	0	19.89	19.74	19.83	19.90	19.78		
10	16QAM	1	25	20.11	19.90	19.92	20.11	19.86		
10	16QAM	1	49	19.88	19.90	19.94	20.02	19.85	21.6	0
10	16QAM	25	0	20.30	20.22	20.20	20.36	20.15		
10	16QAM	25	12	20.11	20.19	19.98	20.09	20.09		
10	16QAM	25	25	20.28	20.07	20.05	20.17	20.06	21.6	0
10	16QAM	50	0	20.17	20.15	20.29	20.17	20.04		
10	64QAM	1	0	19.90	19.74	19.75	19.91	19.75		
10	64QAM	1	25	19.94	20.02	19.99	19.96	20.00	21.6	0
10	64QAM	1	49	20.04	19.89	19.86	19.93	19.88		
10	64QAM	25	0	20.31	20.24	20.16	20.34	20.22		
10	64QAM	25	12	20.07	20.19	20.00	20.15	20.17	21	0.6
10	64QAM	25	25	20.21	20.00	20.02	20.16	20.02		
10	64QAM	50	0	20.19	20.13	20.29	20.11	20.09		
10	256QAM	1	0	17.36	17.29	17.29	17.31	17.27	19	2.6
10	256QAM	1	25	17.33	17.37	17.31	17.24	17.31		
10	256QAM	1	49	17.38	17.25	17.22	17.42	17.23		



10	256QAM	25	0	17.31	17.27	17.11	17.26	17.22	19	2.6
10	256QAM	25	12	17.27	17.19	17.06	17.21	17.15		
10	256QAM	25	25	17.19	17.08	17.16	17.21	17.13		
10	256QAM	50	0	17.43	17.18	17.17	17.24	17.16		
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	20.09	19.81	20.19	20.15	19.83	21.6	0
5	QPSK	1	12	19.98	19.91	19.82	19.97	19.85		
5	QPSK	1	24	19.96	20.02	19.81	20.00	19.94		
5	QPSK	12	0	19.68	19.77	19.76	19.73	19.69	21.6	0
5	QPSK	12	7	19.83	19.85	19.86	19.76	19.76		
5	QPSK	12	13	19.71	19.79	19.67	19.76	19.71		
5	QPSK	25	0	19.76	19.67	19.75	19.74	19.63		
5	16QAM	1	0	19.91	19.70	19.77	19.87	19.77	21.6	0
5	16QAM	1	12	20.08	19.86	19.92	20.09	19.89		
5	16QAM	1	24	19.93	19.87	20.01	19.98	19.89		
5	16QAM	12	0	20.33	20.25	20.17	20.31	20.16	21.6	0
5	16QAM	12	7	20.10	20.13	19.92	20.13	20.08		
5	16QAM	12	13	20.21	20.03	20.02	20.17	20.07		
5	16QAM	25	0	20.21	20.20	20.27	20.12	20.03		
5	64QAM	1	0	19.91	19.78	19.74	19.92	19.76	21.6	0
5	64QAM	1	12	19.93	19.96	19.96	20.02	20.04		
5	64QAM	1	24	19.97	19.93	19.92	19.99	19.89		
5	64QAM	12	0	20.09	19.81	20.19	20.15	19.83	21	0.6
5	64QAM	12	7	19.98	19.91	19.82	19.97	19.85		
5	64QAM	12	13	19.96	20.02	19.81	20.00	19.94		
5	64QAM	25	0	19.68	19.77	19.76	19.73	19.69		
5	256QAM	1	0	17.31	17.36	17.30	17.35	17.33	19	2.6
5	256QAM	1	12	17.31	17.35	17.31	17.28	17.39		
5	256QAM	1	24	17.43	17.26	17.21	17.41	17.29		
5	256QAM	12	0	17.28	17.23	17.16	17.29	17.30	19	2.6
5	256QAM	12	7	17.27	17.18	17.03	17.23	17.10		
5	256QAM	12	13	17.23	17.14	17.15	17.21	17.10		
5	256QAM	25	0	17.37	17.11	17.12	17.23	17.10		

## Band 42 FCC Part27Q Ant 4 DSI5

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				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.54	22.64	22.59	24	0
20	QPSK	1	49	22.59	22.58	22.61		
20	QPSK	1	99	22.60	22.63	22.54		
20	QPSK	50	0	21.67	21.84	21.63	23	1
20	QPSK	50	24	21.73	21.65	21.65		
20	QPSK	50	50	21.82	21.69	21.70		
20	QPSK	100	0	21.65	21.76	21.70		
20	16QAM	1	0	22.02	22.01	22.03	23	1
20	16QAM	1	49	21.95	22.05	22.08		
20	16QAM	1	99	22.04	22.03	22.22		
20	16QAM	50	0	20.83	20.75	20.64	22	2
20	16QAM	50	24	20.71	20.72	20.78		
20	16QAM	50	50	20.74	20.68	20.70		
20	16QAM	100	0	20.64	20.70	20.55		



20	64QAM	1	0	20.72	20.74	20.67	22	2		
20	64QAM	1	49	20.75	20.69	20.66				
20	64QAM	1	99	20.64	20.70	20.69				
20	64QAM	50	0	19.88	19.77	19.68	21	3		
20	64QAM	50	24	19.74	19.72	19.78				
20	64QAM	50	50	19.90	19.85	19.79				
20	64QAM	100	0	19.66	19.80	19.80	19	5		
20	256QAM	1	0	17.63	17.49	17.62				
20	256QAM	1	49	17.71	17.65	17.59				
20	256QAM	1	99	17.57	17.59	17.71	19	5		
20	256QAM	50	0	17.71	17.54	17.67				
20	256QAM	50	24	17.61	17.60	17.55				
20	256QAM	50	50	17.62	17.63	17.62	19	5		
20	256QAM	50	50	17.62	17.63	17.62				
20	256QAM	100	0	17.59	17.65	17.63				
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	22.49	22.57	22.44	24	0		
15	QPSK	1	37	22.45	22.45	22.49				
15	QPSK	1	74	22.49	22.49	22.41				
15	QPSK	36	0	21.61	21.76	21.58	23	1		
15	QPSK	36	20	21.65	21.58	21.50				
15	QPSK	36	39	21.68	21.54	21.64				
15	QPSK	75	0	21.51	21.70	21.57	23	1		
15	16QAM	1	0	21.95	21.92	21.96				
15	16QAM	1	37	21.84	21.97	22.00				
15	16QAM	1	74	21.91	21.97	22.13	22	2		
15	16QAM	36	0	20.77	20.69	20.52				
15	16QAM	36	20	20.61	20.65	20.71				
15	16QAM	36	39	20.69	20.57	20.64	22	2		
15	16QAM	75	0	20.53	20.62	20.43				
15	64QAM	1	0	20.64	20.67	20.61				
15	64QAM	1	37	20.68	20.63	20.58	22	2		
15	64QAM	1	74	20.56	20.64	20.59				
15	64QAM	36	0	19.76	19.72	19.58				
15	64QAM	36	20	19.60	19.57	19.70	21	3		
15	64QAM	36	39	19.80	19.73	19.71				
15	64QAM	75	0	19.59	19.74	19.65				
15	256QAM	1	0	17.49	17.43	17.55	19	5		
15	256QAM	1	37	17.62	17.55	17.51				
15	256QAM	1	74	17.48	17.48	17.60				
15	256QAM	36	0	17.64	17.45	17.52	19	5		
15	256QAM	36	20	17.51	17.49	17.42				
15	256QAM	36	39	17.50	17.57	17.54				
15	256QAM	75	0	17.44	17.59	17.56	19	5		
Channel				42140	42590	43040			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	22.42	22.51	22.49	24	0		
10	QPSK	1	25	22.48	22.47	22.48				
10	QPSK	1	49	22.49	22.51	22.44				
10	QPSK	25	0	21.57	21.79	21.54	23	1		
10	QPSK	25	12	21.65	21.56	21.54				
10	QPSK	25	25	21.73	21.58	21.63				
10	QPSK	50	0	21.50	21.68	21.63	23	1		
10	16QAM	1	0	21.94	21.92	21.92				
10	16QAM	1	25	21.84	21.99	21.99				



10	16QAM	1	49	21.96	21.92	22.14		
10	16QAM	25	0	20.68	20.61	20.56	22	2
10	16QAM	25	12	20.60	20.59	20.65		
10	16QAM	25	25	20.63	20.62	20.58		
10	16QAM	50	0	20.51	20.58	20.41		
10	64QAM	1	0	20.62	20.67	20.60	22	2
10	64QAM	1	25	20.61	20.58	20.54		
10	64QAM	1	49	20.59	20.64	20.58		
10	64QAM	25	0	19.83	19.70	19.60	21	3
10	64QAM	25	12	19.68	19.62	19.70		
10	64QAM	25	25	19.77	19.70	19.66		
10	64QAM	50	0	19.52	19.73	19.66		
10	256QAM	1	0	17.48	17.41	17.49	19	5
10	256QAM	1	25	17.66	17.54	17.49		
10	256QAM	1	49	17.48	17.50	17.60		
10	256QAM	25	0	17.57	17.40	17.62	19	5
10	256QAM	25	12	17.49	17.48	17.41		
10	256QAM	25	25	17.52	17.50	17.49		
10	256QAM	50	0	17.53	17.50	17.51		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	22.49	22.51	22.48	24	0
5	QPSK	1	12	22.47	22.46	22.55		
5	QPSK	1	24	22.52	22.54	22.45		
5	QPSK	12	0	21.53	21.70	21.56	23	1
5	QPSK	12	7	21.67	21.52	21.56		
5	QPSK	12	13	21.68	21.58	21.61		
5	QPSK	25	0	21.59	21.63	21.63		
5	16QAM	1	0	21.89	21.95	21.94	23	1
5	16QAM	1	12	21.89	21.93	21.94		
5	16QAM	1	24	21.99	21.88	22.08		
5	16QAM	12	0	20.78	20.68	20.50	22	2
5	16QAM	12	7	20.56	20.66	20.71		
5	16QAM	12	13	20.65	20.55	20.62		
5	16QAM	25	0	20.53	20.64	20.50		
5	64QAM	1	0	20.67	20.68	20.59	22	2
5	64QAM	1	12	20.69	20.54	20.55		
5	64QAM	1	24	20.53	20.64	20.58		
5	64QAM	12	0	19.79	19.71	19.55	21	3
5	64QAM	12	7	19.69	19.67	19.65		
5	64QAM	12	13	19.83	19.70	19.73		
5	64QAM	25	0	19.60	19.74	19.68		
5	256QAM	1	0	17.57	17.34	17.49	19	5
5	256QAM	1	12	17.64	17.52	17.46		
5	256QAM	1	24	17.52	17.47	17.65		
5	256QAM	12	0	17.64	17.47	17.61	19	5
5	256QAM	12	7	17.51	17.52	17.47		
5	256QAM	12	13	17.52	17.57	17.50		
5	256QAM	25	0	17.45	17.55	17.50		



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## **5G NR Output Power (Unit: dBm)**

### **General Note:**

1. 5G NR n2/n5/n7 /n26 /n66/n38/n41/n71//n77/n78 is SA mode.
  2. 5G NR n2/n5/n7 /n66/n38 /n71//n77/n78 is NSA mode.
  3. For 5G NR test procedure was following step similar FCC KDB 941225 D05:
    - a. For DFT-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class2 and 3, the CP-OFDM mode will not higher than DFT-OFDM mode, therefore, similar FCC KDB 941225 D05 procedure for other modulation output power for each RB allocation configuration is > not  $\frac{1}{2}$  dB higher than the same configuration in DFT-QPSK and the reported SAR for the DFT-QPSK configuration is  $\leq 1.45$  W/kg; CP-OFDM testing is not required.
    - b. For DFT-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class2 and 3, for 16QAM/64QAM/256QAM and smaller bandwidth output power will spot check largest channel bandwidth worst RB configuration to ensure the 16QAM/64QAM/256QAM and smaller bandwidth output power will not  $\frac{1}{2}$  dB higher than the same configuration in the largest supported bandwidth.
    - c. SAR testing start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel
    - d. 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure
    - e. QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are  $\leq 0.8$  W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is  $> 1.45$  W/kg, the remaining required test channels must also be tested
    - f.  $\text{PI}/2$  BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not  $\frac{1}{2}$  dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg,  $\text{PI}/2$  BPSK/16QAM /64QAM/256QAM SAR testing are not required.
    - g. Smaller bandwidth output power for each RB allocation configuration for this device will not  $\frac{1}{2}$  dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is  $\leq 1.45$  W/kg, smaller bandwidth SAR testing is not required for this device
  4. For 5G NR test, using FTM (Factory Test Mode) to perform SAR with default 100% transmission.
  5. 5G NR n77 /n78 supports HPUE with higher power, 5G NR n77 /n78 HPUE SAR can represent power class 3 level SAR.
  6. NSA and SA mode should perform SAR separately. For the maximum power of NSA mode is the same as SA total power level, so SA SAR can represent NSA mode SAR.
  7. 5G NR NSA mode, the power level is the same as 5G NR SA mode, so 5G NR NSA mode and SA mode power table only show one time.
  8. 5G NR supports CP-OFDM and DFT-s-OFDM modulation, for DFT-s-OFDM power is higher than CP-OFDM, so only show DFT-s-OFDM power table and chose DFT-s-OFDM to perform SAR testing.
  9. For DFT-s-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for the CP-OFDM mode will not higher than DFT-s-OFDM mode, therefore, CP-OFDM measurement is unnecessary.
  10. For 5G NR n77/n78 is supports MIMO.
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<3GPP 38.101 MPR for EN-DC>

Table 6.2.2-1 Maximum power reduction (MPR) for power class 3

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	$\leq 3.5^1$ $\leq 0.5^2$	$\leq 1.2^1$ $\leq 0.5^2$	$\leq 0.2^1$ $0^2$
	QPSK		$\leq 1$	0
	16 QAM		$\leq 2$	$\leq 1$
	64 QAM		$\leq 2.5$	
	256 QAM		$\leq 4.5$	
CP-OFDM	QPSK	$\leq 3$		$\leq 1.5$
	16 QAM	$\leq 3$		$\leq 2$
	64 QAM		$\leq 3.5$	
	256 QAM		$\leq 6.5$	

NOTE 1: Applicable for UE operating in TDD mode with Pi/2 BPSK modulation and UE indicates support for UE capability *powerBoosting-pi2BPSK* and if the IE *powerBoostPi2BPSK* is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0 dB MPR is 26 dBm.

NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 with Pi/2 BPSK modulation and if the IE *powerBoostPi2BPSK* is set to 0 and if more than 40 % of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.

Table 6.2.2-2 Maximum power reduction (MPR) for power class 2

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	$\leq 3.5$	$\leq 0.5$	0
	QPSK	$\leq 3.5$	$\leq 1$	0
	16 QAM	$\leq 3.5$	$\leq 2$	$\leq 1$
	64 QAM	$\leq 3.5$		$\leq 2.5$
	256 QAM		$\leq 4.5$	
CP-OFDM	QPSK	$\leq 3.5$	$\leq 3$	$\leq 1.5$
	16 QAM	$\leq 3.5$	$\leq 3$	$\leq 2$
	64 QAM		$\leq 3.5$	
	256 QAM		$\leq 6.5$	



**Full&Default Power Mode**

<b>n5 Ant0</b>								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.01	23.21	23.02		
20	PI/2 BPSK	1	53	22.82	23.02	22.85		
20	PI/2 BPSK	1	104	22.64	22.88	22.71		
20	PI/2 BPSK	50	0	22.27	22.50	22.32	23.5	0.5
20	PI/2 BPSK	50	28	22.79	22.96	22.76	24.0	0.0
20	PI/2 BPSK	50	56	22.17	22.33	22.10	23.5	0.5
20	PI/2 BPSK	100	0	22.31	22.49	22.26		
20	QPSK	1	1	23.08	23.27	23.06		
20	QPSK	1	53	22.91	23.12	22.96		
20	QPSK	1	104	22.69	22.93	22.71		
20	QPSK	50	0	21.83	21.99	21.79	23.0	1.0
20	QPSK	50	28	22.76	22.99	22.84	24.0	0.0
20	QPSK	50	56	21.71	21.87	21.72	23.0	1.0
20	QPSK	100	0	21.69	21.94	21.75		
20	16QAM	1	1	21.77	21.93	21.71		
20	64QAM	1	1	20.28	20.51	20.31	21.5	2.5
20	256QAM	1	1	18.33	18.51	18.32	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.91	23.03	22.82	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.85	23.10	22.85	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.90	23.10	22.89	24.0	0.0

<b>n26 Ant0</b>								
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				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.63	22.88	22.67		
20	PI/2 BPSK	1	53	22.67	22.82	22.58		
20	PI/2 BPSK	1	104	22.57	22.78	22.57		
20	PI/2 BPSK	50	0	22.15	22.31	22.14	23.5	0.5
20	PI/2 BPSK	50	28	22.56	22.79	22.59	24.0	0.0
20	PI/2 BPSK	50	56	21.98	22.16	21.98	23.5	0.5
20	PI/2 BPSK	100	0	22.03	22.24	22.01		
20	QPSK	1	1	22.75	22.95	22.72		
20	QPSK	1	53	22.67	22.88	22.72		
20	QPSK	1	104	22.62	22.84	22.61		
20	QPSK	50	0	21.65	21.82	21.61	23.0	1.0
20	QPSK	50	28	22.54	22.78	22.57	24.0	0.0
20	QPSK	50	56	21.46	21.68	21.50	23.0	1.0
20	QPSK	100	0	21.62	21.78	21.63		
20	16QAM	1	1	21.44	21.68	21.47		





20	64QAM	1	1	19.97	20.21	19.97	21.5	2.5
20	256QAM	1	1	18.01	18.21	18.02	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.56	22.75	22.47	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.57	22.76	22.53	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.55	22.74	22.50	24.0	0.0

## n71 Ant0

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				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.98	23.15	22.97	24.0	0.0
20	PI/2 BPSK	1	53	22.88	23.06	22.91		
20	PI/2 BPSK	1	104	22.83	22.99	22.79		
20	PI/2 BPSK	50	0	22.45	22.61	22.42	23.5	0.5
20	PI/2 BPSK	50	28	22.79	23.02	22.86	24.0	0.0
20	PI/2 BPSK	50	56	22.29	22.44	22.22	23.5	0.5
20	PI/2 BPSK	100	0	22.42	22.57	22.35		
20	QPSK	1	1	23.12	23.34	23.10	24.0	0.0
20	QPSK	1	53	22.95	23.15	22.99		
20	QPSK	1	104	22.84	23.05	22.84		
20	QPSK	50	0	21.91	22.13	21.93	23.0	1.0
20	QPSK	50	28	22.82	23.07	22.83	24.0	0.0
20	QPSK	50	56	21.74	21.94	21.76	23.0	1.0
20	QPSK	100	0	21.79	22.02	21.84		
20	16QAM	1	1	21.72	21.96	21.75	23.0	1.0
20	64QAM	1	1	20.33	20.48	20.33	21.5	2.5
20	256QAM	1	1	18.23	18.46	18.24	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.94	23.16	22.91	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.91	23.18	22.92	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.92	23.09	22.85	24.0	0.0

## n41 Ant0

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				509202	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.37	22.51	22.42	24.0	0.0
100	PI/2 BPSK	1	137	22.20	22.37	22.21		



100	PI/2 BPSK	1	271	22.06	22.25	22.09		
100	PI/2 BPSK	135	0	22.11	22.29	22.05	23.5	0.5
100	PI/2 BPSK	135	69	22.36	22.56	22.32	24.0	0.0
100	PI/2 BPSK	135	138	21.92	22.09	21.91	23.5	0.5
100	PI/2 BPSK	270	0	22.12	22.30	22.06		
100	QPSK	1	1	22.44	22.59	22.43	24.0	0.0
100	QPSK	1	137	22.30	22.49	22.28		
100	QPSK	1	271	22.33	22.52	22.34		
100	QPSK	135	0	21.74	21.89	21.67	23.0	1.0
100	QPSK	135	69	22.36	22.42	22.13	24.0	0.0
100	QPSK	135	138	21.25	21.23	21.01	23.0	1.0
100	QPSK	270	0	21.43	21.59	21.41		
100	16QAM	1	1	21.57	21.77	21.56	23.0	1.0
100	64QAM	1	1	19.69	19.89	19.69	21.5	2.5
100	256QAM	1	1	17.81	17.98	17.73	19.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.31	22.55	22.30	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.33	22.57	22.37	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.34	22.57	22.30	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.36	22.55	22.30	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.30	22.57	22.29	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.33	22.56	22.33	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.33	22.50	22.33	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.35	22.53	22.29	24.0	0.0

n5 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.84	22.04	21.95		
20	PI/2 BPSK	1	53	21.76	21.86	21.62	22.5	0.5
20	PI/2 BPSK	1	104	21.59	21.74	21.71		
20	PI/2 BPSK	50	0	21.22	21.31	21.23	23.0	0.0
20	PI/2 BPSK	50	28	21.65	21.72	21.67		
20	PI/2 BPSK	50	56	21.05	21.23	20.95	22.5	0.5
20	PI/2 BPSK	100	0	21.29	21.42	21.15		



20	QPSK	1	1	21.99	22.09	21.88	23.0	0.0
20	QPSK	1	53	21.79	21.89	21.80		
20	QPSK	1	104	21.47	21.77	21.62		
20	QPSK	50	0	20.73	20.82	20.70	22.0	1.0
20	QPSK	50	28	21.63	21.98	21.65	23.0	0.0
20	QPSK	50	56	20.47	20.67	20.59	22.0	1.0
20	QPSK	100	0	20.64	20.91	20.65		
20	16QAM	1	1	20.74	20.76	20.57		
20	64QAM	1	1	19.07	19.47	19.09	20.5	2.5
20	256QAM	1	1	17.15	17.51	17.18	18.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.80	22.00	21.81	23.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.84	22.02	21.61	23.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.85	21.92	21.74	23.0	0.0

## n26 Ant1

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				164800	166300	167800	23.0	0.0
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	21.85	21.87	21.74	22.5	0.5
20	PI/2 BPSK	1	53	21.79	21.97	21.94		
20	PI/2 BPSK	1	104	21.74	21.80	21.69		
20	PI/2 BPSK	50	0	21.30	21.49	21.37	23.0	0.0
20	PI/2 BPSK	50	28	21.93	22.04	22.05		
20	PI/2 BPSK	50	56	21.37	21.41	21.36		
20	PI/2 BPSK	100	0	21.43	21.48	21.45	22.5	0.5
20	QPSK	1	1	21.97	22.11	21.90		
20	QPSK	1	53	22.03	22.09	21.99		
20	QPSK	1	104	21.90	21.98	21.81	23.0	0.0
20	QPSK	50	0	20.96	20.96	20.78		
20	QPSK	50	28	21.83	22.03	22.01		
20	QPSK	50	56	20.90	20.98	20.82	22.0	1.0
20	QPSK	100	0	20.95	20.97	20.75		
20	16QAM	1	1	20.82	20.86	20.78		
20	64QAM	1	1	19.74	19.86	19.88	20.5	2.5
20	256QAM	1	1	17.29	17.34	17.32	18.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	21.78	21.93	21.88	23.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	21.74	21.89	21.91	23.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	21.70	21.97	21.74	23.0	0.0



## n71 Ant1

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				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	21.86	22.17	22.02	23.0	0.0
20	PI/2 BPSK	1	53	21.84	22.08	21.87		
20	PI/2 BPSK	1	104	21.88	21.95	21.76		
20	PI/2 BPSK	50	0	21.32	21.66	21.30	22.5	0.5
20	PI/2 BPSK	50	28	21.72	22.08	21.85	23.0	0.0
20	PI/2 BPSK	50	56	21.23	21.52	21.17	22.5	0.5
20	PI/2 BPSK	100	0	21.42	21.62	21.38		
20	QPSK	1	1	22.01	22.37	22.00	23.0	0.0
20	QPSK	1	53	21.94	22.04	21.94		
20	QPSK	1	104	21.77	22.11	21.82		
20	QPSK	50	0	20.85	21.09	20.80	22.0	1.0
20	QPSK	50	28	21.85	22.07	21.84	23.0	0.0
20	QPSK	50	56	20.80	20.97	20.63	22.0	1.0
20	QPSK	100	0	20.84	20.92	20.89		
20	16QAM	1	1	20.60	20.92	20.75	22.0	1.0
20	64QAM	1	1	19.36	19.41	19.35	20.5	2.5
20	256QAM	1	1	17.11	17.33	17.31	18.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	21.93	22.05	21.98	23.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	21.95	22.12	21.79	23.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	21.81	22.14	21.96	23.0	0.0

## n2 Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	22.54	22.78	22.61	24.0	0.0
20	PI/2 BPSK	1	53	22.51	22.72	22.52		
20	PI/2 BPSK	1	104	22.47	22.66	22.48		
20	PI/2 BPSK	50	0	21.92	22.16	21.99	23.5	0.5
20	PI/2 BPSK	50	28	22.50	22.65	22.45	24.0	0.0
20	PI/2 BPSK	50	56	21.94	22.11	21.94	23.5	0.5
20	PI/2 BPSK	100	0	21.93	22.13	21.88		
20	QPSK	1	1	22.58	22.80	22.60	24.0	0.0
20	QPSK	1	53	22.61	22.77	22.54		
20	QPSK	1	104	22.45	22.69	22.45		
20	QPSK	50	0	21.51	21.67	21.44	23.0	1.0
20	QPSK	50	28	22.49	22.65	22.41	24.0	0.0
20	QPSK	50	56	21.47	21.62	21.41	23.0	1.0
20	QPSK	100	0	21.48	21.70	21.50		
20	16QAM	1	1	21.35	21.53	21.34	23.0	1.0
20	64QAM	1	1	19.86	20.08	19.92	21.5	2.5



20	256QAM	1	1	17.93	18.12	17.97	19.5	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.39	22.65	22.44	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.36	22.58	22.41	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.39	22.58	22.40	24.0	0.0

n66 Ant2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.62	22.79	22.63	24.0	0.0
40	PI/2 BPSK	1	108	22.47	22.72	22.49		
40	PI/2 BPSK	1	214	22.53	22.78	22.55		
40	PI/2 BPSK	108	0	22.01	22.18	22.00	23.5	0.5
40	PI/2 BPSK	108	54	22.57	22.72	22.54	24.0	0.0
40	PI/2 BPSK	108	108	22.06	22.26	22.10	23.5	0.5
40	PI/2 BPSK	216	0	22.01	22.23	22.05		
40	QPSK	1	1	22.64	22.81	22.59	24.0	0.0
40	QPSK	1	108	22.59	22.75	22.53		
40	QPSK	1	214	22.63	22.79	22.61		
40	QPSK	108	0	21.51	21.72	21.53	23.0	1.0
40	QPSK	108	54	22.58	22.77	22.58	24.0	0.0
40	QPSK	108	108	21.56	21.78	21.59	23.0	1.0
40	QPSK	216	0	21.52	21.73	21.55		
40	16QAM	1	1	21.33	21.57	21.39	23.0	1.0
40	64QAM	1	1	19.88	20.12	19.95	21.5	2.5
40	256QAM	1	1	17.90	18.11	17.88	19.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.45	22.65	22.41	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.40	22.62	22.39	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.44	22.62	22.37	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.45	22.63	22.36	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.42	22.56	22.35	24.0	0.0



## Part270 n77 Ant2

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.26	21.29	21.31	23.0	0.0
100	PI/2 BPSK	1	137	21.21	21.33	21.19		
100	PI/2 BPSK	1	271	21.36	21.42	21.25		
100	PI/2 BPSK	135	0	20.72	20.92	20.75	22.0	1.0
100	PI/2 BPSK	135	69	21.22	21.29	21.10	23.0	0.0
100	PI/2 BPSK	135	138	21.29	21.23	21.18	22.0	1.0
100	PI/2 BPSK	270	0	21.46	21.50	21.40		
100	QPSK	1	1	21.42	21.63	21.50	23.0	0.0
100	QPSK	1	137	21.41	21.34	21.39		
100	QPSK	1	271	21.49	21.55	21.43		
100	QPSK	135	0	21.18	21.35	21.20	23.0	0.0
100	QPSK	135	69	21.36	21.43	21.42	23.0	0.0
100	QPSK	135	138	21.19	21.34	21.23	23.0	0.0
100	QPSK	270	0	21.37	21.38	21.37		
100	16QAM	1	1	21.26	21.50	21.37	23.0	0.0
100	64QAM	1	1	21.51	21.48	21.56	23.0	0.0
100	256QAM	1	1	19.85	19.90	19.93	21.0	2.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.34	21.53	21.42	23.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.32	21.49	21.39	23.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.32	21.55	21.36	23.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.30	21.55	21.41	23.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.30	21.49	21.44	23.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.30	21.51	21.41	23.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.34	21.54	21.43	23.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.31	21.55	21.37	23.0	0.0



## Part270 n77 PC2 Ant2

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.61	23.75	23.69	24.5	0.0
100	PI/2 BPSK	1	137	23.55	23.64	23.56		
100	PI/2 BPSK	1	271	23.58	23.78	23.53		
100	PI/2 BPSK	135	0	23.25	23.12	22.96	24.0	0.5
100	PI/2 BPSK	135	69	23.69	23.68	23.61	24.5	0.0
100	PI/2 BPSK	135	138	23.26	23.51	23.32	24.0	0.5
100	PI/2 BPSK	270	0	23.38	23.27	23.18		
100	QPSK	1	1	23.77	23.81	23.68	24.5	0.0
100	QPSK	1	137	22.52	22.76	22.62		
100	QPSK	1	271	22.62	22.65	22.56		
100	QPSK	135	0	21.53	21.83	21.71	23.5	1.0
100	QPSK	135	69	23.58	23.67	23.65	24.5	0.0
100	QPSK	135	138	21.72	21.64	21.77	23.5	1.0
100	QPSK	270	0	21.76	21.82	21.77		
100	16QAM	1	1	22.85	22.80	22.79	23.5	1.0
100	64QAM	1	1	21.25	21.32	21.27	22.0	2.5
100	256QAM	1	1	19.33	19.44	19.37	20.0	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.66	23.72	23.53	24.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.68	23.70	23.56	24.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.65	23.74	23.61	24.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.66	23.71	23.60	24.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.71	23.68	23.58	24.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.67	23.69	23.57	24.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.62	23.68	23.62	24.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.65	23.75	23.60	24.5	0.0



## Part27Q n77 Ant2

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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.18		23.0	0.0
100	PI/2 BPSK	1	137		21.23			
100	PI/2 BPSK	1	271		21.30			
100	PI/2 BPSK	135	0		20.78		22.0	1.0
100	PI/2 BPSK	135	69		21.15		23.0	0.0
100	PI/2 BPSK	135	138		21.14		22.0	1.0
100	PI/2 BPSK	270	0		21.45			
100	QPSK	1	1		21.55		23.0	0.0
100	QPSK	1	137		21.23			
100	QPSK	1	271		21.46			
100	QPSK	135	0		21.24		23.0	0.0
100	QPSK	135	69		21.36		23.0	0.0
100	QPSK	135	138		21.19		23.0	0.0
100	QPSK	270	0		21.31			
100	16QAM	1	1		21.39		23.0	0.0
100	64QAM	1	1		21.37		23.0	0.0
100	256QAM	1	1		19.77		21.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.23	21.48	21.27	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.19	21.44	21.32	23.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.17	21.44	21.28	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.27	21.43	21.34	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.20	21.41	21.29	23.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.18	21.39	21.29	23.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.23	21.39	21.34	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.24	21.48	21.26	23.0	0.0





## Part27Q n77 PC2 Ant2

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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.50		24.5	0.0
100	PI/2 BPSK	1	137		23.48			
100	PI/2 BPSK	1	271		23.54			
100	PI/2 BPSK	135	0		23.06		24.0	0.5
100	PI/2 BPSK	135	69		23.04		24.5	0.0
100	PI/2 BPSK	135	138		23.12		24.0	0.5
100	PI/2 BPSK	270	0		23.14			
100	QPSK	1	1		23.58		24.5	0.0
100	QPSK	1	137		23.48			
100	QPSK	1	271		23.51			
100	QPSK	135	0		22.61		23.5	1.0
100	QPSK	135	69		23.44		24.5	0.0
100	QPSK	135	138		22.56		23.5	1.0
100	QPSK	270	0		22.69			
100	16QAM	1	1		22.50		23.5	1.0
100	64QAM	1	1		21.05		22.0	2.5
100	256QAM	1	1		19.21		20.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.46	23.45	23.36	24.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.53	23.51	23.34	24.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.50	23.45	23.35	24.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.51	23.53	23.37	24.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.47	23.51	23.41	24.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.48	23.44	23.39	24.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.52	23.48	23.38	24.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.52	23.53	23.33	24.5	0.0



## Part270 n78 Ant2

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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	21.04	21.11	21.10	23.0	0.0
100	PI/2 BPSK	1	137	21.20	21.13	21.24		
100	PI/2 BPSK	1	271	21.20	21.20	21.03		
100	PI/2 BPSK	135	0	20.51	20.70	20.60	22.0	1.0
100	PI/2 BPSK	135	69	21.05	21.04	21.11	23.0	0.0
100	PI/2 BPSK	135	138	21.05	21.01	20.95	22.0	1.0
100	PI/2 BPSK	270	0	21.26	21.26	21.17		
100	QPSK	1	1	21.23	21.48	21.30	23.0	0.0
100	QPSK	1	137	21.17	21.10	21.19		
100	QPSK	1	271	21.32	21.32	21.23		
100	QPSK	135	0	21.01	21.17	21.24	23.0	0.0
100	QPSK	135	69	21.11	21.25	21.21	23.0	0.0
100	QPSK	135	138	21.01	21.09	21.15	23.0	0.0
100	QPSK	270	0	21.20	21.26	21.22		
100	16QAM	1	1	21.02	21.34	21.15	23.0	0.0
100	64QAM	1	1	21.27	21.27	21.34	23.0	0.0
100	256QAM	1	1	19.61	19.74	19.69	21.0	2.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.20	21.40	21.32	23.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.26	21.42	21.32	23.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.27	21.42	21.32	23.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.22	21.46	21.26	23.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.22	21.42	21.31	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.24	21.46	21.25	23.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.26	21.39	21.32	23.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.20	21.41	21.35	23.0	0.0



## Part270 n78 PC2 Ant2

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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	23.55	23.66	23.56	24.5	0.0
100	PI/2 BPSK	1	137	23.44	23.52	23.50		
100	PI/2 BPSK	1	271	23.51	23.70	23.42		
100	PI/2 BPSK	135	0	23.18	22.99	22.82	24.0	0.5
100	PI/2 BPSK	135	69	23.60	23.59	23.48	24.5	0.0
100	PI/2 BPSK	135	138	23.12	23.38	23.22	24.0	0.5
100	PI/2 BPSK	270	0	23.23	23.17	23.07		
100	QPSK	1	1	23.63	23.75	23.61	24.5	0.0
100	QPSK	1	137	22.61	22.66	22.52		
100	QPSK	1	271	22.67	22.59	22.52		
100	QPSK	135	0	21.55	21.74	21.59	23.5	1.0
100	QPSK	135	69	23.43	23.61	23.51	24.5	0.0
100	QPSK	135	138	21.63	21.56	21.68	23.5	1.0
100	QPSK	270	0	21.71	21.75	21.69		
100	16QAM	1	1	22.75	22.71	22.69	23.5	1.0
100	64QAM	1	1	21.18	21.27	21.21	22.0	2.5
100	256QAM	1	1	19.22	19.39	19.22	20.0	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.45	23.57	23.41	24.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.42	23.59	23.43	24.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.40	23.55	23.43	24.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.48	23.59	23.41	24.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.39	23.56	23.38	24.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.46	23.55	23.41	24.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.39	23.51	23.41	24.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.47	23.51	23.37	24.5	0.0



## Part27Q n78 Ant2

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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.01		23.0	0.0
100	PI/2 BPSK	1	137		21.12			
100	PI/2 BPSK	1	271		21.13			
100	PI/2 BPSK	135	0		20.60		22.0	1.0
100	PI/2 BPSK	135	69		21.19		23.0	0.0
100	PI/2 BPSK	135	138		20.88		22.0	1.0
100	PI/2 BPSK	270	0		21.12			
100	QPSK	1	1		21.39		23.0	0.0
100	QPSK	1	137		21.21			
100	QPSK	1	271		21.22			
100	QPSK	135	0		21.07		23.0	0.0
100	QPSK	135	69		21.25		23.0	0.0
100	QPSK	135	138		21.24		23.0	0.0
100	QPSK	270	0		21.11			
100	16QAM	1	1		21.28		23.0	0.0
100	64QAM	1	1		21.18		23.0	0.0
100	256QAM	1	1		19.62		21.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.32	21.37	21.26	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.34	21.36	21.24	23.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.29	21.29	21.25	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.36	21.30	21.18	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.34	21.37	21.18	23.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.31	21.37	21.20	23.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.35	21.27	21.21	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.30	21.31	21.27	23.0	0.0



## Part27Q n78 PC2 Ant2

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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1	23.47	23.55	23.42	24.5	0.0
100	PI/2 BPSK	1	137	23.37	23.44	23.37		
100	PI/2 BPSK	1	271	23.40	23.59	23.28		
100	PI/2 BPSK	135	0	23.07	22.92	22.75	24.0	0.5
100	PI/2 BPSK	135	69	23.48	23.45	23.34	24.5	0.0
100	PI/2 BPSK	135	138	23.01	23.31	23.10	24.0	0.5
100	PI/2 BPSK	270	0	23.12	23.09	22.94		
100	QPSK	1	1	23.50	23.67	23.55	24.5	0.0
100	QPSK	1	137	22.56	22.51	22.67		
100	QPSK	1	271	22.56	22.51	22.67		
100	QPSK	135	0	21.78	21.68	21.78	23.5	1.0
100	QPSK	135	69	23.38	23.53	23.44	24.5	0.0
100	QPSK	135	138	21.56	21.67	21.55	23.5	1.0
100	QPSK	270	0	21.63	21.69	21.59		
100	16QAM	1	1	22.68	22.59	22.60	23.5	1.0
100	64QAM	1	1	21.04	21.16	21.13	22.0	2.5
100	256QAM	1	1	19.07	19.31	19.11	20.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.35	23.60	23.50	24.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.37	23.57	23.44	24.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.36	23.62	23.47	24.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.42	23.62	23.44	24.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.36	23.58	23.43	24.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.45	23.59	23.48	24.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.36	23.62	23.43	24.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.40	23.61	23.45	24.5	0.0



## n7 Ant3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	23.95	24.18	23.98		
40	PI/2 BPSK	1	108	24.03	24.19	23.96	25.0	0.0
40	PI/2 BPSK	1	214	23.92	24.07	23.88		
40	PI/2 BPSK	108	0	23.39	23.62	23.39		
40	PI/2 BPSK	108	54	23.85	24.03	23.80	25.0	0.0
40	PI/2 BPSK	108	108	23.40	23.57	23.41	24.5	0.5
40	PI/2 BPSK	216	0	23.34	23.59	23.34		
40	QPSK	1	1	24.00	24.21	24.04	25.0	0.0
40	QPSK	1	108	24.02	24.19	23.95		
40	QPSK	1	214	23.83	24.07	23.89		
40	QPSK	108	0	22.68	22.84	22.67	24.0	1.0
40	QPSK	108	54	23.62	23.78	23.60	25.0	0.0
40	QPSK	108	108	22.68	22.88	22.65	24.0	1.0
40	QPSK	216	0	22.73	22.89	22.74		
40	16QAM	1	1	22.42	22.67	22.48	24.0	1.0
40	64QAM	1	1	21.24	21.46	21.25	22.5	2.5
40	256QAM	1	1	19.39	19.57	19.34	20.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.77	24.04	23.86	25.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.78	24.00	23.83	25.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.82	23.98	23.83	25.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.84	24.01	23.88	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.77	24.04	23.86	25.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.79	24.06	23.88	25.0	0.0

## n38 Ant3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.58	22.78	22.68		
40	PI/2 BPSK	1	53	22.56	22.74	22.55	24.0	0.0
40	PI/2 BPSK	1	104	22.69	22.79	22.62		
40	PI/2 BPSK	50	0	21.98	22.16	22.04		
40	PI/2 BPSK	50	28	22.64	22.74	22.55	23.5	0.5
40	PI/2 BPSK	50	28	22.64	22.74	22.55	24.0	0.0



40	PI/2 BPSK	50	56	22.02	22.19	22.06	23.5	0.5
40	PI/2 BPSK	100	0	22.02	22.21	22.08		
40	QPSK	1	1	22.69	22.80	22.66	24.0	0.0
40	QPSK	1	53	22.63	22.76	22.63		
40	QPSK	1	104	22.27	22.44	22.28		
40	QPSK	50	0	21.56	21.71	21.52	23.0	1.0
40	QPSK	50	28	22.49	22.62	22.48	24.0	0.0
40	QPSK	50	56	21.43	21.59	21.47	23.0	1.0
40	QPSK	100	0	21.48	21.67	21.54		
40	16QAM	1	1	21.51	21.63	21.47	23.0	1.0
40	64QAM	1	1	20.07	20.17	20.02	21.5	2.5
40	256QAM	1	1	18.03	18.15	17.97	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.58	22.62	22.48	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.59	22.62	22.46	24.0	0.0

### n41 Ant3

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				509202	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.37	22.59	22.42	24.0	0.0
100	PI/2 BPSK	1	137	22.20	22.37	22.21		
100	PI/2 BPSK	1	271	22.06	22.25	22.09		
100	PI/2 BPSK	135	0	22.11	22.29	22.05	23.5	0.5
100	PI/2 BPSK	135	69	22.36	22.56	22.32	24.0	0.0
100	PI/2 BPSK	135	138	21.92	22.09	21.91	23.5	0.5
100	PI/2 BPSK	270	0	22.12	22.30	22.06		
100	QPSK	1	1	22.44	22.63	22.43	24.0	0.0
100	QPSK	1	137	22.30	22.49	22.28		
100	QPSK	1	271	22.33	22.52	22.34		
100	QPSK	135	0	21.74	21.89	21.67	23.0	1.0
100	QPSK	135	69	22.36	22.42	22.13	24.0	0.0
100	QPSK	135	138	21.25	21.23	21.01	23.0	1.0
100	QPSK	270	0	21.43	21.59	21.41		
100	16QAM	1	1	21.57	21.77	21.56	23.0	1.0
100	64QAM	1	1	19.69	19.89	19.69	21.5	2.5
100	256QAM	1	1	17.81	17.98	17.73	19.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.31	22.55	22.30	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.33	22.57	22.37	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.34	22.57	22.30	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.36	22.55	22.30	24.0	0.0



Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.30	22.57	22.29	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.33	22.56	22.33	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.33	22.50	22.33	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.35	22.53	22.29	24.0	0.0

### Part270 n77 Ant3

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				650000	656000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.11	21.21	21.15	23.0	0.0
100	PI/2 BPSK	1	137	21.02	21.25	21.01		
100	PI/2 BPSK	1	271	21.03	21.26	21.03		
100	PI/2 BPSK	135	0	21.01	21.16	20.99	22.5	0.5
100	PI/2 BPSK	135	69	21.14	21.25	21.06	23.0	0.0
100	PI/2 BPSK	135	138	21.13	21.29	21.12	22.5	0.5
100	PI/2 BPSK	270	0	21.01	21.23	21.01		
100	QPSK	1	1	21.36	21.54	21.29	23.0	0.0
100	QPSK	1	137	21.26	21.42	21.19		
100	QPSK	1	271	21.30	21.46	21.23		
100	QPSK	135	0	20.94	21.17	20.96	22.0	1.0
100	QPSK	135	69	21.10	21.25	21.05	23.0	0.0
100	QPSK	135	138	21.06	21.24	21.02	22.0	1.0
100	QPSK	270	0	21.06	21.23	21.05		
100	16QAM	1	1	20.87	21.02	20.82	22.0	1.0
100	64QAM	1	1	20.61	20.85	20.62	21.0	2.0
100	256QAM	1	1	19.42	19.58	19.40	21.0	2.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.18	21.34	21.05	23.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.18	21.29	21.05	23.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.13	21.34	21.06	23.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.15	21.33	21.09	23.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.19	21.35	21.09	23.0	0.0
Channel				648000	656000	664000	Tune-up	MPR





Frequency (MHz)				3720	3840	3960	limit (dBm)	(dB)
40	QPSK	1	1	21.21	21.38	21.09	23.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.17	21.35	21.09	23.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.17	21.34	21.07	23.0	0.0

### Part270 n77 PC2 Ant3

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				650000	656000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.86	23.02	22.77	24.5	0.0
100	PI/2 BPSK	1	137	22.55	22.71	22.56		
100	PI/2 BPSK	1	271	21.90	22.11	21.88		
100	PI/2 BPSK	135	0	22.32	22.56	22.40	24.0	0.5
100	PI/2 BPSK	135	69	22.74	22.66	22.61	24.5	0.0
100	PI/2 BPSK	135	138	22.15	22.08	22.04	24.0	0.5
100	PI/2 BPSK	270	0	22.11	22.29	22.11		
100	QPSK	1	1	22.83	23.06	22.84	24.5	0.0
100	QPSK	1	137	22.44	22.66	22.50		
100	QPSK	1	271	21.83	22.04	21.79		
100	QPSK	135	0	22.31	22.52	22.35	23.5	1.0
100	QPSK	135	69	22.51	22.59	22.56	24.5	0.0
100	QPSK	135	138	21.89	22.05	21.84	23.5	1.0
100	QPSK	270	0	21.74	21.95	21.78		
100	16QAM	1	1	21.81	21.97	21.79	23.5	1.0
100	64QAM	1	1	20.79	20.96	20.73	22.0	2.5
100	256QAM	1	1	19.34	19.54	19.36	20.0	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.62	22.87	22.62	24.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.64	22.83	22.69	24.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.60	22.87	22.61	24.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.67	22.88	22.60	24.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.60	22.82	22.67	24.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.59	22.87	22.66	24.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		



30	QPSK	1	1	22.66	22.85	22.69	24.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.63	22.88	22.68	24.5	0.0

### Part27Q n77 Ant3

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					633334		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.66		23.0	0.0
100	PI/2 BPSK	1	137		21.70			
100	PI/2 BPSK	1	271		21.71			
100	PI/2 BPSK	135	0		21.61		22.5	0.5
100	PI/2 BPSK	135	69		21.70		23.0	0.0
100	PI/2 BPSK	135	138		21.74		22.5	0.5
100	PI/2 BPSK	270	0		21.68			
100	QPSK	1	1		21.99		23.0	0.0
100	QPSK	1	137		21.87			
100	QPSK	1	271		21.91			
100	QPSK	135	0		21.62		22.0	1.0
100	QPSK	135	69		21.70		23.0	0.0
100	QPSK	135	138		21.69		22.0	1.0
100	QPSK	270	0		21.68			
100	16QAM	1	1		21.47		22.0	1.0
100	64QAM	1	1		20.07		21.0	2.0
100	256QAM	1	1		19.04		21.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.69	21.86	21.58	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.65	21.88	21.55	23.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.62	21.85	21.62	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.64	21.81	21.62	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.67	21.89	21.64	23.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.67	21.88	21.64	23.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.63	21.83	21.55	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.64	21.86	21.56	23.0	0.0



## Part27Q n77 PC2 Ant3

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					633334		24.5	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.33			
100	PI/2 BPSK	1	137		23.04			
100	PI/2 BPSK	1	271		22.45			
100	PI/2 BPSK	135	0		22.88		24.0	0.5
100	PI/2 BPSK	135	69		22.98		24.5	0.0
100	PI/2 BPSK	135	138		22.34		24.0	0.5
100	PI/2 BPSK	270	0		22.58			
100	QPSK	1	1		23.34		24.5	0.0
100	QPSK	1	137		22.97			
100	QPSK	1	271		22.32			
100	QPSK	135	0		22.86		23.5	1.0
100	QPSK	135	69		22.93		24.5	0.0
100	QPSK	135	138		22.39		23.5	1.0
100	QPSK	270	0		22.29			
100	16QAM	1	1		21.39		23.5	1.0
100	64QAM	1	1		19.99		22.0	2.5
100	256QAM	1	1		18.95		20.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.89	23.20	22.91	24.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.90	23.22	22.87	24.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.89	23.16	22.95	24.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.90	23.18	22.96	24.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.95	23.22	22.91	24.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.89	23.14	22.92	24.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.92	23.15	22.89	24.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.97	23.21	22.91	24.5	0.0

## Part27O n78 Ant3

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					650000		Tune-up limit (dBm)	MPR (dB)



Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	22.35			23.0	0.0
100	PI/2 BPSK	1	137	22.25				
100	PI/2 BPSK	1	271	22.36				
100	PI/2 BPSK	135	0	21.87			22.5	0.5
100	PI/2 BPSK	135	69	22.31			23.0	0.0
100	PI/2 BPSK	135	138	21.74			22.5	0.5
100	PI/2 BPSK	270	0	21.74				
100	QPSK	1	1	22.42			23.0	0.0
100	QPSK	1	137	22.32				
100	QPSK	1	271	22.31				
100	QPSK	135	0	21.44			22.0	1.0
100	QPSK	135	69	21.47			23.0	0.0
100	QPSK	135	138	21.10			22.0	1.0
100	QPSK	270	0	21.11				
100	16QAM	1	1	21.37			22.0	1.0
100	64QAM	1	1	20.12			20.5	2.5
100	256QAM	1	1	19.21			20.0	3.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.15	22.27	22.15	23.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.10	22.18	22.13	23.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.17	22.28	22.17	23.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.15	22.28	22.16	23.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.10	22.20	22.16	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.11	22.24	22.10	23.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.13	22.18	22.08	23.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.13	22.19	22.11	23.0	0.0

### Part270 n78 PC2 Ant3

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.41		24.5	0.0
100	PI/2 BPSK	1	137		23.30			
100	PI/2 BPSK	1	271		23.38			
100	PI/2 BPSK	135	0		22.88		24.0	0.5



100	PI/2 BPSK	135	69		23.26		24.5	0.0
100	PI/2 BPSK	135	138		22.76		24.0	0.5
100	PI/2 BPSK	270	0		22.78			
100	QPSK	1	1		23.46		24.5	0.0
100	QPSK	1	137		23.35			
100	QPSK	1	271		23.29			
100	QPSK	135	0		22.43		23.5	1.0
100	QPSK	135	69		23.10		24.5	0.0
100	QPSK	135	138		22.12		23.5	1.0
100	QPSK	270	0		22.08			
100	16QAM	1	1		22.44		23.5	1.0
100	64QAM	1	1		20.85		22.0	2.5
100	256QAM	1	1		19.19		20.0	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.18	23.27	23.19	24.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.22	23.32	23.13	24.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.17	23.32	23.18	24.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.20	23.26	23.15	24.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.20	23.31	23.15	24.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.19	23.26	23.19	24.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.25	23.26	23.19	24.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.19	23.25	23.21	24.5	0.0

### Part27Q n78 Ant3

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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.54		23.0	0.0
100	PI/2 BPSK	1	137		21.62			
100	PI/2 BPSK	1	271		21.58			
100	PI/2 BPSK	135	0		21.07		22.5	0.5
100	PI/2 BPSK	135	69		21.58		23.0	0.0
100	PI/2 BPSK	135	138		21.21		22.5	0.5
100	PI/2 BPSK	270	0		21.15			
100	QPSK	1	1		21.69		23.0	0.0
100	QPSK	1	137		21.56			



100	QPSK	1	271		21.52			
100	QPSK	135	0		20.71		22.0	1.0
100	QPSK	135	69		21.64		23.0	0.0
100	QPSK	135	138		20.68		22.0	1.0
100	QPSK	270	0		20.63			
100	16QAM	1	1		20.68		22.0	1.0
100	64QAM	1	1		21.08		22.0	1.0
100	256QAM	1	1		19.66		21.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.14	21.33	21.05	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.17	21.36	21.07	23.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.15	21.30	21.14	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.17	21.31	21.10	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.21	21.35	21.13	23.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.16	21.37	21.09	23.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.19	21.32	21.04	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.12	21.30	21.05	23.0	0.0

### Part27Q n78 PC2 Ant3

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					633334		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.53		24.5	0.0
100	PI/2 BPSK	1	137		22.66			
100	PI/2 BPSK	1	271		22.58			
100	PI/2 BPSK	135	0		22.10		24.0	0.5
100	PI/2 BPSK	135	69		22.62		24.5	0.0
100	PI/2 BPSK	135	138		22.25		24.0	0.5
100	PI/2 BPSK	270	0		22.13			
100	QPSK	1	1		22.72		24.5	0.0
100	QPSK	1	137		22.57			
100	QPSK	1	271		22.53			
100	QPSK	135	0		21.74		23.5	1.0
100	QPSK	135	69		22.60		24.5	0.0
100	QPSK	135	138		21.65		23.5	1.0
100	QPSK	270	0		21.64			



100	16QAM	1	1		22.14		23.5	1.0
100	64QAM	1	1		20.30		22.0	2.5
100	256QAM	1	1		18.44		20.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.37	22.47	22.39	24.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.38	22.50	22.46	24.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.43	22.44	22.38	24.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.36	22.51	22.47	24.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.43	22.46	22.47	24.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.35	22.43	22.40	24.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.38	22.44	22.40	24.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.41	22.49	22.44	24.5	0.0

## Part270 n77 Ant4

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				650000	656000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.14	23.31	23.22	24.0	0.0
100	PI/2 BPSK	1	137	23.14	23.20	23.12		
100	PI/2 BPSK	1	271	23.13	23.20	23.03		
100	PI/2 BPSK	135	0	22.58	22.65	22.55	23.5	0.5
100	PI/2 BPSK	135	69	23.13	23.29	23.09	24.0	0.0
100	PI/2 BPSK	135	138	22.54	22.57	22.44	23.5	0.5
100	PI/2 BPSK	270	0	22.55	22.67	22.51		
100	QPSK	1	1	23.23	23.33	23.16	24.0	0.0
100	QPSK	1	137	23.11	23.32	23.19		
100	QPSK	1	271	23.25	23.30	23.17		
100	QPSK	135	0	22.18	22.43	22.31	23.0	1.0
100	QPSK	135	69	23.02	23.09	22.96	24.0	0.0
100	QPSK	135	138	21.60	21.72	21.60	23.0	1.0
100	QPSK	270	0	22.58	22.60	22.53		
100	16QAM	1	1	23.08	23.26	23.10	24.0	0.0
100	64QAM	1	1	23.00	23.13	23.02	24.0	0.0
100	256QAM	1	1	21.19	21.43	21.26	22.0	2.0
Channel				649668	656000	662334	Tune-up limit	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		



							(dBm)	
90	QPSK	1	1	23.21	23.32	23.11	24.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.18	23.28	23.13	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.25	23.30	23.19	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.21	23.32	23.18	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.28	23.32	23.19	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.20	23.31	23.09	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.24	23.31	23.18	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.16	23.32	23.21	24.0	0.0

## Part270 n77 PC2 Ant4

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				650000	656000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	26.20	26.33	26.22	27.0	0.0
100	PI/2 BPSK	1	137	26.20	26.21	26.07		
100	PI/2 BPSK	1	271	26.14	26.15	26.03		
100	PI/2 BPSK	135	0	25.58	25.61	25.54	26.5	0.5
100	PI/2 BPSK	135	69	26.09	26.31	26.05	27.0	0.0
100	PI/2 BPSK	135	138	25.60	25.58	25.46	26.5	0.5
100	PI/2 BPSK	270	0	25.55	25.67	25.46		
100	QPSK	1	1	26.29	26.39	26.13	27.0	0.0
100	QPSK	1	137	26.14	26.37	26.21		
100	QPSK	1	271	26.24	26.26	26.13		
100	QPSK	135	0	25.15	25.37	25.35	26.0	1.0
100	QPSK	135	69	26.01	26.05	25.94	27.0	0.0
100	QPSK	135	138	24.64	24.73	24.63	26.0	1.0
100	QPSK	270	0	25.59	25.60	25.48		
100	16QAM	1	1	26.08	26.24	26.16	27.0	0.0
100	64QAM	1	1	22.15	22.20	22.13	24.0	3.0
100	256QAM	1	1	21.19	21.43	21.26	22.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	26.23	26.24	26.08	27.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		





80	QPSK	1	1	26.21	26.26	25.98	27.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	26.18	26.26	26.00	27.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	26.22	26.34	26.00	27.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	26.22	26.32	26.00	27.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	26.17	26.30	26.00	27.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	26.23	26.26	26.07	27.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	26.23	26.25	26.08	27.0	0.0

## Part27Q n77 Ant4

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					633334		24.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.02		24.0	0.0
100	PI/2 BPSK	1	137		22.98			
100	PI/2 BPSK	1	271		23.05		24.0	0.0
100	PI/2 BPSK	135	0		22.92			
100	PI/2 BPSK	135	69		22.98		24.0	0.0
100	PI/2 BPSK	135	138		22.96			
100	PI/2 BPSK	270	0		22.99		24.0	0.0
100	QPSK	1	1		23.09			
100	QPSK	1	137		23.00		24.0	0.0
100	QPSK	1	271		23.05			
100	QPSK	135	0		22.84		24.0	0.0
100	QPSK	135	69		22.91			
100	QPSK	135	138		22.87		24.0	0.0
100	QPSK	270	0		22.87			
100	16QAM	1	1		22.88		24.0	0.0
100	64QAM	1	1		22.83			
100	256QAM	1	1		21.05		22.0	2.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	22.95	23.00	22.93		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.88	22.97	22.96	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.92	22.98	22.90	24.0	0.0
Channel				632000	633334	634668	Tune-up	MPR



Frequency (MHz)				3480	3500.01	3520.02	limit (dBm)	(dB)
60	QPSK	1	1	22.89	23.04	22.88	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.89	23.03	22.90	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.84	23.04	22.96	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.89	22.96	22.96	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.89	23.02	22.90	24.0	0.0

### Part27Q n77 PC2 Ant4

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					633334		27.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		25.81		26.5	0.5
100	PI/2 BPSK	1	137		25.79			
100	PI/2 BPSK	1	271		25.78		27.0	0.0
100	PI/2 BPSK	135	0		25.25			
100	PI/2 BPSK	135	69		25.76		26.5	0.5
100	PI/2 BPSK	135	138		25.09			
100	PI/2 BPSK	270	0		25.08		27.0	0.0
100	QPSK	1	1		25.86			
100	QPSK	1	137		25.84		26.0	1.0
100	QPSK	1	271		25.76			
100	QPSK	135	0		24.87		27.0	0.0
100	QPSK	135	69		25.81			
100	QPSK	135	138		24.73		26.0	1.0
100	QPSK	270	0		24.78			
100	16QAM	1	1		24.77		26.0	1.0
100	64QAM	1	1		23.14		24.5	2.5
100	256QAM	1	1		21.02		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.72	25.74	25.64	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.67	25.74	25.70	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.71	25.74	25.74	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.74	25.73	25.70	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		



50	QPSK	1	1	25.65	25.82	25.68	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.66	25.73	25.76	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.71	25.78	25.75	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.75	25.81	25.64	27.0	0.0

## Part270 n78 Ant4

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					650000		24.0	0.0
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.20		24.0	0.0
100	PI/2 BPSK	1	137		23.22			
100	PI/2 BPSK	1	271		23.27		24.0	0.0
100	PI/2 BPSK	135	0		23.07			
100	PI/2 BPSK	135	69		23.18		24.0	0.0
100	PI/2 BPSK	135	138		23.15			
100	PI/2 BPSK	270	0		23.17		24.0	0.0
100	QPSK	1	1		23.28			
100	QPSK	1	137		23.15		24.0	0.0
100	QPSK	1	271		23.21			
100	QPSK	135	0		23.05		24.0	0.0
100	QPSK	135	69		23.16			
100	QPSK	135	138		23.13		24.0	0.0
100	QPSK	270	0		23.01			
100	16QAM	1	1		23.12		24.0	0.0
100	64QAM	1	1		23.02			
100	256QAM	1	1		21.21		22.0	2.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.15	23.19	23.16	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.14	23.18	23.04	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.04	23.18	23.14	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.13	23.18	23.07	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.12	23.15	23.15	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.15	23.08	23.07	24.0	0.0
Channel				647668	650000	652334	Tune-up	MPR



Frequency (MHz)				3715.02	3750	3785.01	limit (dBm)	(dB)
30	QPSK	1	1	23.13	23.13	23.15	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.11	23.13	23.10	24.0	0.0

## Part270 n78 PC2 Ant4

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					650000		27.0	0.0
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		26.37		26.5	0.5
100	PI/2 BPSK	1	137		26.27			
100	PI/2 BPSK	1	271		26.25			
100	PI/2 BPSK	135	0		25.76		27.0	0.0
100	PI/2 BPSK	135	69		26.27			
100	PI/2 BPSK	135	138		25.59		26.5	0.5
100	PI/2 BPSK	270	0		25.57			
100	QPSK	1	1		26.39			
100	QPSK	1	137		26.31		27.0	0.0
100	QPSK	1	271		26.21			
100	QPSK	135	0		25.35			
100	QPSK	135	69		26.26		26.0	1.0
100	QPSK	135	138		25.20			
100	QPSK	270	0		25.30		27.0	0.0
100	16QAM	1	1		25.23			
100	64QAM	1	1		23.69			
100	256QAM	1	1		21.50		26.0	1.0
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01	27.0	0.0
90	QPSK	1	1	26.21	26.30	26.18		
Channel				649334	650000	650668	27.0	0.0
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	26.14	26.20	26.16	27.0	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	26.12	26.24	26.06	27.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01	27.0	0.0
60	QPSK	1	1	26.15	26.29	26.15		
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02	27.0	0.0
50	QPSK	1	1	26.13	26.23	26.07		
Channel				648000	650000	652000	27.0	0.0
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	26.19	26.25	26.08	27.0	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	26.10	26.29	26.16	27.0	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)



20	QPSK	1	1	26.21	26.23	26.13	27.0	0.0
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## Part27Q n78 Ant4

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					633334		24.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.55		24.0	0.0
100	PI/2 BPSK	1	137		22.53			
100	PI/2 BPSK	1	271		22.62			
100	PI/2 BPSK	135	0		22.39		24.0	0.0
100	PI/2 BPSK	135	69		22.48		24.0	0.0
100	PI/2 BPSK	135	138		22.53		24.0	0.0
100	PI/2 BPSK	270	0		22.46			
100	QPSK	1	1		22.82			
100	QPSK	1	137		22.57		24.0	0.0
100	QPSK	1	271		22.61			
100	QPSK	135	0		22.31			
100	QPSK	135	69		22.41		24.0	0.0
100	QPSK	135	138		22.21		24.0	0.0
100	QPSK	270	0		22.25			
100	16QAM	1	1		22.38			
100	64QAM	1	1		22.38		24.0	0.0
100	256QAM	1	1		20.60		22.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.67	22.73	22.71	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.65	22.68	22.66	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.65	22.63	22.70	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.61	22.73	22.59	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.56	22.62	22.61	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.62	22.63	22.70	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.63	22.72	22.60	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.65	22.72	22.70	24.0	0.0



## Part27Q n78 PC2 Ant4

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					633334		27.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		25.28		26.5	0.5
100	PI/2 BPSK	1	137		25.30			
100	PI/2 BPSK	1	271		25.24			
100	PI/2 BPSK	135	0		24.72		27.0	0.0
100	PI/2 BPSK	135	69		25.21			
100	PI/2 BPSK	135	138		24.57			
100	PI/2 BPSK	270	0		24.55		26.5	0.5
100	QPSK	1	1		25.84			
100	QPSK	1	137		25.64			
100	QPSK	1	271		25.69		27.0	0.0
100	QPSK	135	0		24.32			
100	QPSK	135	69		25.24			
100	QPSK	135	138		24.15		26.0	1.0
100	QPSK	270	0		24.23			
100	16QAM	1	1		24.27			
100	64QAM	1	1		22.55		24.5	2.5
100	256QAM	1	1		20.95		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.65	25.73	25.61	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.54	25.59	25.55	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.52	25.68	25.52	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.57	25.68	25.47	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.54	25.63	25.50	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.49	25.57	25.47	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.54	25.59	25.50	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.56	25.64	25.56	27.0	0.0

## n41 Ant5

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				509202	518598	528000		



Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.97	21.19	21.02	22.0	0.0
100	PI/2 BPSK	1	137	20.80	20.97	20.81		
100	PI/2 BPSK	1	271	20.66	20.85	20.69		
100	PI/2 BPSK	135	0	20.71	20.89	20.65	21.5	0.5
100	PI/2 BPSK	135	69	20.96	21.16	20.92	22.0	0.0
100	PI/2 BPSK	135	138	20.52	20.69	20.51	21.5	0.5
100	PI/2 BPSK	270	0	20.72	20.90	20.66		
100	QPSK	1	1	21.04	21.23	21.03	22.0	0.0
100	QPSK	1	137	20.90	21.09	20.88		
100	QPSK	1	271	20.93	21.12	20.94		
100	QPSK	135	0	20.34	20.49	20.27	21.0	1.0
100	QPSK	135	69	20.96	21.02	20.73	22.0	0.0
100	QPSK	135	138	19.85	19.83	19.61	21.0	1.0
100	QPSK	270	0	19.43	19.59	19.41		
100	16QAM	1	1	20.17	20.37	20.16	21.0	1.0
100	64QAM	1	1	18.99	19.19	18.99	19.5	2.5
100	256QAM	1	1	17.11	17.28	17.03	17.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.91	21.15	20.90	22.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.93	21.17	20.97	22.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.94	21.17	20.90	22.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.96	21.15	20.90	22.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.90	21.17	20.89	22.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.93	21.16	20.93	22.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.93	21.10	20.93	22.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.95	21.13	20.89	22.0	0.0

n41 Ant6								
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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.97	21.19	21.02		
100	PI/2 BPSK	1	137	20.80	20.97	20.81	22.0	0.0
100	PI/2 BPSK	1	271	20.66	20.85	20.69		
100	PI/2 BPSK	135	0	20.71	20.89	20.65	22.0	0.0



100	PI/2 BPSK	135	69	20.96	21.16	20.92	22.0	0.0
100	PI/2 BPSK	135	138	20.52	20.69	20.51		
100	PI/2 BPSK	270	0	20.72	20.90	20.66	22.0	0.0
100	QPSK	1	1	21.14	21.28	21.13		
100	QPSK	1	137	20.90	21.09	20.88		
100	QPSK	1	271	20.93	21.12	20.94	22.0	0.0
100	QPSK	135	0	20.34	20.49	20.27		
100	QPSK	135	69	20.96	21.12	20.73	22.0	0.0
100	QPSK	135	138	19.85	19.83	19.61	22.0	0.0
100	QPSK	270	0	19.43	19.59	19.41		
100	16QAM	1	1	20.17	20.37	20.16	22.0	0.0
100	64QAM	1	1	18.99	19.19	18.99	22.0	0.0
100	256QAM	1	1	17.11	17.28	17.03	22.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.91	21.15	20.90	22.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.93	21.17	20.97	22.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.94	21.17	20.90	22.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.96	21.15	20.90	22.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.90	21.17	20.89	22.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.93	21.16	20.93	22.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.93	21.10	20.93	22.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.95	21.13	20.89	22.0	0.0

## Part270 n77 Ant6

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.14	23.31	23.22	24.0	0.0
100	PI/2 BPSK	1	137	23.14	23.20	23.12		
100	PI/2 BPSK	1	271	23.13	23.20	23.03		
100	PI/2 BPSK	135	0	22.58	22.65	22.55	23.5	0.5
100	PI/2 BPSK	135	69	23.13	23.29	23.09	24.0	0.0
100	PI/2 BPSK	135	138	22.54	22.57	22.44	23.5	0.5
100	PI/2 BPSK	270	0	22.55	22.67	22.51		
100	QPSK	1	1	23.23	23.33	23.16	24.0	0.0
100	QPSK	1	137	23.11	23.32	23.19		





100	QPSK	1	271	23.25	23.30	23.17		
100	QPSK	135	0	22.18	22.43	22.31	23.0	1.0
100	QPSK	135	69	23.02	23.09	22.96	24.0	0.0
100	QPSK	135	138	21.60	21.72	21.60	23.0	1.0
100	QPSK	270	0	22.58	22.60	22.53		
100	16QAM	1	1	23.08	23.26	23.10	24.0	0.0
100	64QAM	1	1	23.00	23.13	23.02	24.0	0.0
100	256QAM	1	1	21.19	21.43	21.26	22.0	2.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.21	23.32	23.11	24.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.18	23.28	23.13	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.25	23.35	23.19	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.21	23.32	23.18	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.28	23.32	23.19	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.20	23.36	23.09	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.24	23.34	23.18	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.16	23.32	23.21	24.0	0.0

## Part270 n77 PC2 Ant6

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	26.20	26.33	26.22	27.0	0.0
100	PI/2 BPSK	1	137	26.20	26.21	26.07		
100	PI/2 BPSK	1	271	26.14	26.15	26.03		
100	PI/2 BPSK	135	0	25.58	25.61	25.54	26.5	0.5
100	PI/2 BPSK	135	69	26.09	26.31	26.05	27.0	0.0
100	PI/2 BPSK	135	138	25.60	25.58	25.46	26.5	0.5
100	PI/2 BPSK	270	0	25.55	25.67	25.46		
100	QPSK	1	1	26.29	26.39	26.13	27.0	0.0
100	QPSK	1	137	26.14	26.37	26.21		
100	QPSK	1	271	26.24	26.26	26.13		
100	QPSK	135	0	25.15	25.37	25.35	26.0	1.0
100	QPSK	135	69	26.01	26.05	25.94	27.0	0.0
100	QPSK	135	138	24.64	24.73	24.63	26.0	1.0
100	QPSK	270	0	25.59	25.60	25.48		



100	16QAM	1	1	26.08	26.24	26.16	27.0	0.0
100	64QAM	1	1	22.15	22.20	22.13	24.0	3.0
100	256QAM	1	1	21.19	21.43	21.26	22.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	26.23	26.24	26.08	27.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	26.21	26.26	25.98	27.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	26.18	26.26	26.00	27.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	26.22	26.34	26.00	27.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	26.22	26.32	26.00	27.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	26.17	26.30	26.00	27.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	26.23	26.26	26.07	27.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	26.23	26.25	26.08	27.0	0.0

## Part27Q n77 Ant6

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					633334		24.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.02		24.0	0.0
100	PI/2 BPSK	1	137		22.98			
100	PI/2 BPSK	1	271		23.05		24.0	0.0
100	PI/2 BPSK	135	0		22.92			
100	PI/2 BPSK	135	69		22.98		24.0	0.0
100	PI/2 BPSK	135	138		22.96			
100	PI/2 BPSK	270	0		22.99		24.0	0.0
100	QPSK	1	1		23.09			
100	QPSK	1	137		23.00		24.0	0.0
100	QPSK	1	271		23.05			
100	QPSK	135	0		22.84		24.0	0.0
100	QPSK	135	69		22.91			
100	QPSK	135	138		22.87		24.0	0.0
100	QPSK	270	0		22.87			
100	16QAM	1	1		22.88		24.0	0.0
100	64QAM	1	1		22.83		24.0	0.0
100	256QAM	1	1		21.05		22.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		



90	QPSK	1	1	22.95	23.00	22.93	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.88	22.97	22.96	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.92	22.98	22.90	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.89	23.04	22.88	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.89	23.03	22.90	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.84	23.04	22.96	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.89	22.96	22.96	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.89	23.02	22.90	24.0	0.0

### Part27Q n77 PC2 Ant6

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					633334		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		25.81		27.0	0.0
100	PI/2 BPSK	1	137		25.79			
100	PI/2 BPSK	1	271		25.78		26.5	0.5
100	PI/2 BPSK	135	0		25.25			
100	PI/2 BPSK	135	69		25.76		27.0	0.0
100	PI/2 BPSK	135	138		25.09		26.5	0.5
100	PI/2 BPSK	270	0		25.08			
100	QPSK	1	1		25.86		27.0	0.0
100	QPSK	1	137		25.84			
100	QPSK	1	271		25.76		26.0	1.0
100	QPSK	135	0		24.87			
100	QPSK	135	69		25.81		27.0	0.0
100	QPSK	135	138		24.73		26.0	1.0
100	QPSK	270	0		24.78			
100	16QAM	1	1		24.77		26.0	1.0
100	64QAM	1	1		23.14		24.5	2.5
100	256QAM	1	1		21.02		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.72	25.74	25.64	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.67	25.74	25.70	27.0	0.0
Channel				632334	633334	634334	Tune-up	MPR



Frequency (MHz)				3485.01	3500.01	3515.01	limit (dBm)	(dB)
70	QPSK	1	1	25.71	25.74	25.74	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.74	25.73	25.70	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.65	25.82	25.68	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.66	25.73	25.76	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.71	25.78	25.75	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.75	25.81	25.64	27.0	0.0

## Part270 n78 Ant6

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				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		23.20		24.0	0.0
100	PI/2 BPSK	1	137		23.22			
100	PI/2 BPSK	1	271		23.27		24.0	0.0
100	PI/2 BPSK	135	0		23.07			
100	PI/2 BPSK	135	69		23.18		24.0	0.0
100	PI/2 BPSK	135	138		23.15			
100	PI/2 BPSK	270	0		23.17		24.0	0.0
100	QPSK	1	1		23.28			
100	QPSK	1	137		23.15		24.0	0.0
100	QPSK	1	271		23.21			
100	QPSK	135	0		23.05		24.0	0.0
100	QPSK	135	69		23.16			
100	QPSK	135	138		23.13		24.0	0.0
100	QPSK	270	0		23.01			
100	16QAM	1	1		23.12		24.0	0.0
100	64QAM	1	1		23.02			
100	256QAM	1	1		21.21		22.0	2.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.15	23.19	23.16	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.14	23.18	23.04	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.04	23.18	23.14	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		



60	QPSK	1	1	23.13	23.18	23.07	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.12	23.15	23.15	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.15	23.08	23.07	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.13	23.13	23.15	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.11	23.13	23.10	24.0	0.0

## Part270 n78 PC2 Ant6

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				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		26.37		27.0	0.0
100	PI/2 BPSK	1	137		26.27			
100	PI/2 BPSK	1	271		26.25		26.5	0.5
100	PI/2 BPSK	135	0		25.76			
100	PI/2 BPSK	135	69		26.27		27.0	0.0
100	PI/2 BPSK	135	138		25.59			
100	PI/2 BPSK	270	0		25.57		26.5	0.5
100	QPSK	1	1		26.39			
100	QPSK	1	137		26.31		27.0	0.0
100	QPSK	1	271		26.21			
100	QPSK	135	0		25.35		26.0	1.0
100	QPSK	135	69		26.26			
100	QPSK	135	138		25.20		27.0	0.0
100	QPSK	270	0		25.30			
100	16QAM	1	1		25.23		26.0	1.0
100	64QAM	1	1		23.69			
100	256QAM	1	1		21.50		24.5	2.5
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	26.21	26.30	26.18		
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	26.14	26.20	26.16	27.0	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	26.12	26.24	26.06		
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	26.15	26.29	26.15	27.0	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	26.13	26.23	26.07		
Channel				648000	650000	652000	Tune-up	MPR



Frequency (MHz)				3720	3750	3780	limit (dBm)	(dB)
40	QPSK	1	1	26.19	26.25	26.08	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	26.10	26.29	26.16	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	26.21	26.23	26.13	27.0	0.0

## Part27Q n78 Ant6

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					633334		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.55		24.0	0.0
100	PI/2 BPSK	1	137		22.53			
100	PI/2 BPSK	1	271		22.62			
100	PI/2 BPSK	135	0		22.39		24.0	0.0
100	PI/2 BPSK	135	69		22.48		24.0	0.0
100	PI/2 BPSK	135	138		22.53		24.0	0.0
100	PI/2 BPSK	270	0		22.46			
100	QPSK	1	1		22.82			
100	QPSK	1	137		22.57		24.0	0.0
100	QPSK	1	271		22.61			
100	QPSK	135	0		22.31		24.0	0.0
100	QPSK	135	69		22.41		24.0	0.0
100	QPSK	135	138		22.21		24.0	0.0
100	QPSK	270	0		22.25			
100	16QAM	1	1		22.38			
100	64QAM	1	1		22.38		24.0	0.0
100	256QAM	1	1		20.60		22.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.67	22.73	22.71	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.65	22.68	22.66	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.65	22.63	22.70	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.61	22.73	22.59	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.56	22.62	22.61	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.62	22.63	22.70	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		



30	QPSK	1	1	22.63	22.72	22.60	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.65	22.72	22.70	24.0	0.0

## Part27Q n78 PC2 Ant6

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					633334		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		25.28		27.0	0.0
100	PI/2 BPSK	1	137		25.30			
100	PI/2 BPSK	1	271		25.24			
100	PI/2 BPSK	135	0		24.72		26.5	0.5
100	PI/2 BPSK	135	69		25.21		27.0	0.0
100	PI/2 BPSK	135	138		24.57		26.5	0.5
100	PI/2 BPSK	270	0		24.55			
100	QPSK	1	1		25.84		27.0	0.0
100	QPSK	1	137		25.64			
100	QPSK	1	271		25.69			
100	QPSK	135	0		24.32		26.0	1.0
100	QPSK	135	69		25.24		27.0	0.0
100	QPSK	135	138		24.15		26.0	1.0
100	QPSK	270	0		24.23			
100	16QAM	1	1		24.27		26.0	1.0
100	64QAM	1	1		22.55		24.5	2.5
100	256QAM	1	1		20.95		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.65	25.73	25.61	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.54	25.59	25.55	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.52	25.68	25.52	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.57	25.68	25.47	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.54	25.63	25.50	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.49	25.57	25.47	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.54	25.59	25.50	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.56	25.64	25.56	27.0	0.0



Reduced Power Mode for DSI 0

n5 Ant 0 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.01	23.21	23.02		
20	PI/2 BPSK	1	53	22.82	23.02	22.85		
20	PI/2 BPSK	1	104	22.64	22.88	22.71		
20	PI/2 BPSK	50	0	22.27	22.50	22.32	23.5	0.5
20	PI/2 BPSK	50	28	22.79	22.96	22.76	24.0	0.0
20	PI/2 BPSK	50	56	22.17	22.33	22.10	23.5	0.5
20	PI/2 BPSK	100	0	22.31	22.49	22.26		
20	QPSK	1	1	23.08	23.27	23.06		
20	QPSK	1	53	22.91	23.12	22.96	24.0	0.0
20	QPSK	1	104	22.69	22.93	22.71		
20	QPSK	50	0	21.83	21.99	21.79		
20	QPSK	50	28	22.76	22.99	22.84	24.0	0.0
20	QPSK	50	56	21.71	21.87	21.72	23.0	1.0
20	QPSK	100	0	21.69	21.94	21.75		
20	16QAM	1	1	21.77	21.93	21.71		
20	64QAM	1	1	20.28	20.51	20.31	21.5	2.5
20	256QAM	1	1	18.33	18.51	18.32	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.91	23.03	22.82	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.85	23.10	22.85	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.90	23.10	22.89	24.0	0.0

n26 Ant 0 DSI0								
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				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.63	22.88	22.67		
20	PI/2 BPSK	1	53	22.67	22.82	22.58		
20	PI/2 BPSK	1	104	22.57	22.78	22.57		
20	PI/2 BPSK	50	0	22.15	22.31	22.14	23.5	0.5
20	PI/2 BPSK	50	28	22.56	22.79	22.59	24.0	0.0
20	PI/2 BPSK	50	56	21.98	22.16	21.98	23.5	0.5
20	PI/2 BPSK	100	0	22.03	22.24	22.01		
20	QPSK	1	1	22.75	22.95	22.72		
20	QPSK	1	53	22.67	22.88	22.72	24.0	0.0
20	QPSK	1	104	22.62	22.84	22.61		
20	QPSK	50	0	21.65	21.82	21.61		
20	QPSK	50	28	22.54	22.78	22.57	24.0	0.0
20	QPSK	50	56	21.46	21.68	21.50	23.0	1.0
20	QPSK	100	0	21.62	21.78	21.63		





20	16QAM	1	1	21.44	21.68	21.47	23.0	1.0
20	64QAM	1	1	19.97	20.21	19.97	21.5	2.5
20	256QAM	1	1	18.01	18.21	18.02	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.56	22.75	22.47	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.57	22.76	22.53	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.55	22.74	22.50	24.0	0.0

### n71 Ant 0 DSI0

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				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.98	23.15	22.97	24.0	0.0
20	PI/2 BPSK	1	53	22.88	23.06	22.91		
20	PI/2 BPSK	1	104	22.83	22.99	22.79		
20	PI/2 BPSK	50	0	22.45	22.61	22.42	23.5	0.5
20	PI/2 BPSK	50	28	22.79	23.02	22.86	24.0	0.0
20	PI/2 BPSK	50	56	22.29	22.44	22.22	23.5	0.5
20	PI/2 BPSK	100	0	22.42	22.57	22.35		
20	QPSK	1	1	23.12	23.34	23.10	24.0	0.0
20	QPSK	1	53	22.95	23.15	22.99		
20	QPSK	1	104	22.84	23.05	22.84		
20	QPSK	50	0	21.91	22.13	21.93	23.0	1.0
20	QPSK	50	28	22.82	23.07	22.83	24.0	0.0
20	QPSK	50	56	21.74	21.94	21.76	23.0	1.0
20	QPSK	100	0	21.79	22.02	21.84		
20	16QAM	1	1	21.72	21.96	21.75	23.0	1.0
20	64QAM	1	1	20.33	20.48	20.33	21.5	2.5
20	256QAM	1	1	18.23	18.46	18.24	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.94	23.16	22.91	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.91	23.18	22.92	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.92	23.09	22.85	24.0	0.0

### n2 Ant 2 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	22.54	22.78	22.61	23.7	0.0



20	PI/2 BPSK	1	53	22.51	22.72	22.52		
20	PI/2 BPSK	1	104	22.47	22.66	22.48		
20	PI/2 BPSK	50	0	21.92	22.16	21.99	23.5	0.2
20	PI/2 BPSK	50	28	22.50	22.65	22.45	23.7	0.0
20	PI/2 BPSK	50	56	21.94	22.11	21.94		
20	PI/2 BPSK	100	0	21.93	22.13	21.88	23.5	0.2
20	QPSK	1	1	22.58	22.80	22.60		
20	QPSK	1	53	22.61	22.77	22.54		
20	QPSK	1	104	22.45	22.69	22.45	23.7	0.0
20	QPSK	50	0	21.51	21.67	21.44	23.0	0.7
20	QPSK	50	28	22.49	22.65	22.41	23.7	0.0
20	QPSK	50	56	21.47	21.62	21.41		
20	QPSK	100	0	21.48	21.70	21.50	23.0	0.7
20	16QAM	1	1	21.35	21.53	21.34	23.0	0.7
20	64QAM	1	1	19.86	20.08	19.92	21.5	2.2
20	256QAM	1	1	17.93	18.12	17.97	19.5	4.2
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.39	22.65	22.44	23.7	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.36	22.58	22.41	23.7	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.39	22.58	22.40	23.7	0.0

## n66 Ant 2 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.62	22.79	22.63	24.0	0.0
40	PI/2 BPSK	1	108	22.47	22.72	22.49		
40	PI/2 BPSK	1	214	22.53	22.78	22.55		
40	PI/2 BPSK	108	0	22.01	22.18	22.00	23.5	0.5
40	PI/2 BPSK	108	54	22.57	22.72	22.54	24.0	0.0
40	PI/2 BPSK	108	108	22.06	22.26	22.10		
40	PI/2 BPSK	216	0	22.01	22.23	22.05	23.5	0.5
40	QPSK	1	1	22.64	22.81	22.59		
40	QPSK	1	108	22.59	22.75	22.53	24.0	0.0
40	QPSK	1	214	22.63	22.79	22.61		
40	QPSK	108	0	21.51	21.72	21.53	23.0	1.0
40	QPSK	108	54	22.58	22.77	22.58	24.0	0.0
40	QPSK	108	108	21.56	21.78	21.59		
40	QPSK	216	0	21.52	21.73	21.55	23.0	1.0
40	16QAM	1	1	21.33	21.57	21.39	23.0	1.0
40	64QAM	1	1	19.88	20.12	19.95	21.5	2.5
40	256QAM	1	1	17.90	18.11	17.88	19.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.45	22.65	22.41	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		



20	QPSK	1	1	22.40	22.62	22.39	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.44	22.62	22.37	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.45	22.63	22.36	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.42	22.56	22.35	24.0	0.0

## n7 Ant 3 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	20.28	20.43	20.29	21.5	0.0
40	PI/2 BPSK	1	108	20.33	20.45	20.30		
40	PI/2 BPSK	1	214	20.27	20.45	20.26		
40	PI/2 BPSK	108	0	20.28	20.46	20.25	21.5	0.0
40	PI/2 BPSK	108	54	20.35	20.53	20.22	21.5	0.0
40	PI/2 BPSK	108	108	20.28	20.54	20.21	21.5	0.0
40	PI/2 BPSK	216	0	20.24	20.49	20.29		
40	QPSK	1	1	20.35	20.55	20.25	21.5	0.0
40	QPSK	1	108	20.35	20.48	20.27		
40	QPSK	1	214	20.27	20.44	20.28		
40	QPSK	108	0	20.33	20.45	20.27	21.5	0.0
40	QPSK	108	54	20.35	20.50	20.23	21.5	0.0
40	QPSK	108	108	20.22	20.46	20.31	21.5	0.0
40	QPSK	216	0	20.31	20.54	20.29		
40	16QAM	1	1	20.34	20.48	20.22	21.5	0.0
40	64QAM	1	1	20.24	20.46	20.25	21.5	0.0
40	256QAM	1	1	19.39	19.57	19.34	20.5	1.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.18	20.38	20.18	21.5	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.21	20.43	20.16	21.5	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	20.25	20.42	20.15	21.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.22	20.42	20.18	21.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.26	20.43	20.19	21.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.24	20.40	20.14	21.5	0.0



## Part270 n77 Ant 2 DSI0

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.26	21.29	21.31		
100	PI/2 BPSK	1	137	21.21	21.33	21.19	23.0	0.0
100	PI/2 BPSK	1	271	21.36	21.42	21.25		
100	PI/2 BPSK	135	0	20.72	20.92	20.75		
100	PI/2 BPSK	135	69	21.22	21.29	21.10	23.0	0.0
100	PI/2 BPSK	135	138	21.29	21.23	21.18		
100	PI/2 BPSK	270	0	21.46	21.50	21.40	22.0	1.0
100	QPSK	1	1	21.42	21.63	21.50		
100	QPSK	1	137	21.41	21.34	21.39	23.0	0.0
100	QPSK	1	271	21.49	21.55	21.43		
100	QPSK	135	0	21.18	21.35	21.20		
100	QPSK	135	69	21.36	21.43	21.42	23.0	0.0
100	QPSK	135	138	21.19	21.34	21.23		
100	QPSK	270	0	21.37	21.38	21.37	23.0	0.0
100	16QAM	1	1	21.26	21.50	21.37		
100	64QAM	1	1	21.51	21.48	21.56	23.0	0.0
100	256QAM	1	1	19.85	19.90	19.93		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.34	21.53	21.42	23.0	0.0
Channel				649334	656000	662668		
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.32	21.49	21.39		
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.32	21.55	21.36	23.0	0.0
Channel				648668	656000	663334		
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	21.30	21.55	21.41		
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.30	21.49	21.44	23.0	0.0
Channel				648000	656000	664000		
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	21.30	21.51	21.41		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.34	21.54	21.43	23.0	0.0
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.31	21.55	21.37		



## Part27O n77 PC2 Ant 2 DSI0

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				650000	656000	662000	23.8	0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.54	22.63	22.59		
100	PI/2 BPSK	1	137	22.44	22.56	22.48	23.8	0
100	PI/2 BPSK	1	271	22.53	22.63	22.38		
100	PI/2 BPSK	135	0	22.47	22.68	22.62		
100	PI/2 BPSK	135	69	22.40	22.54	22.48	23.8	0
100	PI/2 BPSK	135	138	22.50	22.68	22.43		
100	PI/2 BPSK	270	0	22.54	22.63	22.59		
100	QPSK	1	1	22.54	22.73	22.54	23.8	0
100	QPSK	1	137	22.44	22.58	22.50		
100	QPSK	1	271	22.50	22.63	22.41		
100	QPSK	135	0	21.53	21.83	21.71	23.5	0.3
100	QPSK	135	69	22.54	22.65	22.58		
100	QPSK	135	138	21.72	21.64	21.77		
100	QPSK	270	0	21.76	21.82	21.77	23.5	0.3
100	16QAM	1	1	22.39	22.58	22.36		
100	64QAM	1	1	21.25	21.32	21.27		
100	256QAM	1	1	19.33	19.44	19.37	20.0	3.8
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.35	22.61	22.31	23.8	0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.42	22.59	22.33	23.8	0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.34	22.58	22.30	23.8	0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.38	22.62	22.29	23.8	0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.33	22.63	22.32	23.8	0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.34	22.57	22.29	23.8	0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.40	22.59	22.35	23.8	0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.40	22.54	22.37	23.8	0

## Part27Q n77 Ant 2 DSI0

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					633334			



Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	21.18			23.0	0.0
100	PI/2 BPSK	1	137	21.23				
100	PI/2 BPSK	1	271	21.30				
100	PI/2 BPSK	135	0	20.78			22.0	1.0
100	PI/2 BPSK	135	69	21.15			23.0	0.0
100	PI/2 BPSK	135	138	21.14			22.0	1.0
100	PI/2 BPSK	270	0	21.45				
100	QPSK	1	1	21.55			23.0	0.0
100	QPSK	1	137	21.23				
100	QPSK	1	271	21.46				
100	QPSK	135	0	21.24			23.0	0.0
100	QPSK	135	69	21.36			23.0	0.0
100	QPSK	135	138	21.19			23.0	0.0
100	QPSK	270	0	21.31				
100	16QAM	1	1	21.39			23.0	0.0
100	64QAM	1	1	21.37			23.0	0.0
100	256QAM	1	1	19.77			21.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.23	21.48	21.27	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.19	21.44	21.32	23.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.17	21.44	21.28	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.27	21.43	21.34	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.20	21.41	21.29	23.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.18	21.39	21.29	23.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.23	21.39	21.34	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.24	21.48	21.26	23.0	0.0

### Part27Q n77 PC2 Ant 2 DSI0

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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.67		23.8	0
100	PI/2 BPSK	1	137		22.49			
100	PI/2 BPSK	1	271		22.71			
100	PI/2 BPSK	135	0		22.60		23.8	0



100	PI/2 BPSK	135	69		22.57		23.8	0
100	PI/2 BPSK	135	138		22.70		23.8	0
100	PI/2 BPSK	270	0		22.65			
100	QPSK	1	1		22.82		23.8	0
100	QPSK	1	137		22.58			
100	QPSK	1	271		22.69			
100	QPSK	135	0		22.61		23.5	0.3
100	QPSK	135	69		22.81		23.8	0
100	QPSK	135	138		22.56		23.5	0.3
100	QPSK	270	0		22.69			
100	16QAM	1	1		22.50		23.5	0.3
100	64QAM	1	1		21.05		22.0	1.8
100	256QAM	1	1		19.21		20.0	3.8
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.35	22.59	22.32	23.8	0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.36	22.55	22.30	23.8	0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.37	22.62	22.35	23.8	0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.40	22.63	22.31	23.8	0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.33	22.54	22.30	23.8	0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.41	22.56	22.37	23.8	0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.41	22.61	22.36	23.8	0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.42	22.62	22.29	23.8	0

## Part270 n78 Ant 2 DSI0

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		21.11		23.0	0.0
100	PI/2 BPSK	1	137		21.13			
100	PI/2 BPSK	1	271		21.20			
100	PI/2 BPSK	135	0		20.70		22.0	1.0
100	PI/2 BPSK	135	69		21.04		23.0	0.0
100	PI/2 BPSK	135	138		21.01		22.0	1.0
100	PI/2 BPSK	270	0		21.26			
100	QPSK	1	1		21.48		23.0	0.0
100	QPSK	1	137		21.10			



100	QPSK	1	271		21.32			
100	QPSK	135	0		21.17		23.0	0.0
100	QPSK	135	69		21.25		23.0	0.0
100	QPSK	135	138		21.09		23.0	0.0
100	QPSK	270	0		21.26			
100	16QAM	1	1		21.34		23.0	0.0
100	64QAM	1	1		21.27		23.0	0.0
100	256QAM	1	1		19.74		21.0	2.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.20	21.40	21.32	23.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.26	21.42	21.32	23.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.27	21.42	21.32	23.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.22	21.46	21.26	23.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.22	21.42	21.31	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.24	21.46	21.25	23.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.26	21.39	21.32	23.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.20	21.41	21.35	23.0	0.0

## Part270 n78 PC2 Ant 2 DSI0

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					650000		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		22.66		23.8	0
100	PI/2 BPSK	1	137		22.49			
100	PI/2 BPSK	1	271		22.69			
100	PI/2 BPSK	135	0		22.69			
100	PI/2 BPSK	135	69		22.54			
100	PI/2 BPSK	135	138		22.68			
100	PI/2 BPSK	270	0		22.61		23.8	0
100	QPSK	1	1		22.71			
100	QPSK	1	137		22.54			
100	QPSK	1	271		22.64		23.5	0.3
100	QPSK	135	0		21.74			
100	QPSK	135	69		22.62			
100	QPSK	135	138		21.56		23.5	0.3
100	QPSK	270	0		21.75			





100	16QAM	1	1		22.70		23.5	0.3
100	64QAM	1	1		21.27		22.0	1.8
100	256QAM	1	1		19.39		20.0	3.8
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.41	22.59	22.29	23.8	0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.34	22.53	22.33	23.8	0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.40	22.56	22.34	23.8	0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.35	22.62	22.36	23.8	0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.43	22.53	22.30	23.8	0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.43	22.56	22.31	23.8	0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.34	22.59	22.30	23.8	0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.39	22.59	22.34	23.8	0

## Part27Q n78 Ant 2 DSI0

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					633334		23.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.01		23.0	0.0
100	PI/2 BPSK	1	137		21.12			
100	PI/2 BPSK	1	271		21.13			
100	PI/2 BPSK	135	0		20.60		22.0	1.0
100	PI/2 BPSK	135	69		21.19		23.0	0.0
100	PI/2 BPSK	135	138		20.88		22.0	1.0
100	PI/2 BPSK	270	0		21.12			
100	QPSK	1	1		21.39		23.0	0.0
100	QPSK	1	137		21.21			
100	QPSK	1	271		21.22			
100	QPSK	135	0		21.07		23.0	0.0
100	QPSK	135	69		21.25		23.0	0.0
100	QPSK	135	138		21.24		23.0	0.0
100	QPSK	270	0		21.11			
100	16QAM	1	1		21.28		23.0	0.0
100	64QAM	1	1		21.18		23.0	0.0
100	256QAM	1	1		19.62		21.0	2.0
Channel				633000	633334	633668	Tune-up limit	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		



							(dBm)	
90	QPSK	1	1	21.32	21.37	21.26	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.34	21.36	21.24	23.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.29	21.29	21.25	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.36	21.30	21.18	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.34	21.37	21.18	23.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.31	21.37	21.20	23.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.35	21.27	21.21	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.30	21.31	21.27	23.0	0.0

### Part27Q n78 PC2 Ant 2 DSI0

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					633334		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.65		23.8	0
100	PI/2 BPSK	1	137		22.53			
100	PI/2 BPSK	1	271		22.65			
100	PI/2 BPSK	135	0		22.64		23.8	0
100	PI/2 BPSK	135	69		22.54		23.8	0
100	PI/2 BPSK	135	138		22.67		23.8	0
100	PI/2 BPSK	270	0		22.62			
100	QPSK	1	1		22.70		23.8	0
100	QPSK	1	137		22.59			
100	QPSK	1	271		22.68			
100	QPSK	135	0		21.68		23.5	0.3
100	QPSK	135	69		22.65		23.8	0
100	QPSK	135	138		21.67		23.5	0.3
100	QPSK	270	0		21.69			
100	16QAM	1	1		22.59		23.5	0.3
100	64QAM	1	1		21.16		22.0	1.8
100	256QAM	1	1		19.31		20.0	3.8
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.38	22.54	22.34	23.8	0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		



80	QPSK	1	1	22.42	22.53	22.36	23.8	0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.42	22.54	22.35	23.8	0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.34	22.63	22.35	23.8	0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.39	22.60	22.29	23.8	0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.35	22.61	22.34	23.8	0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.41	22.62	22.30	23.8	0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.36	22.57	22.30	23.8	0

### n38 Ant 3 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	21.1	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	19.54	19.71	19.63	21.1	0.0
40	PI/2 BPSK	1	53	19.31	19.55	19.36		
40	PI/2 BPSK	1	104	19.19	19.41	19.27		
40	PI/2 BPSK	50	0	19.27	19.45	19.17	21.1	0.0
40	PI/2 BPSK	50	28	19.49	19.70	19.44	21.1	0.0
40	PI/2 BPSK	50	56	19.22	19.27	19.25	21.1	0.0
40	PI/2 BPSK	100	0	19.32	19.47	19.18		
40	QPSK	1	1	19.63	19.74	19.56	21.1	0.0
40	QPSK	1	53	19.50	19.63	19.42		
40	QPSK	1	104	19.52	19.64	19.51		
40	QPSK	50	0	19.14	19.37	19.11	21.1	0.0
40	QPSK	50	28	19.48	19.56	19.25	21.1	0.0
40	QPSK	50	56	19.36	19.40	19.22	21.1	0.0
40	QPSK	100	0	19.48	19.58	19.53		
40	16QAM	1	1	19.72	19.68	19.71	21.1	0.0
40	64QAM	1	1	19.60	19.47	19.60	21.1	0.0
40	256QAM	1	1	17.69	17.84	17.61	19.5	1.6
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	19.56	19.68	19.50	21.1	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	19.49	19.66	19.49	21.1	0.0



## n41 Ant 3 DSI0

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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.63	19.81	19.68	21.1	0.0
100	PI/2 BPSK	1	137	19.46	19.63	19.47		
100	PI/2 BPSK	1	271	19.32	19.51	19.35		
100	PI/2 BPSK	135	0	19.37	19.55	19.31	21.1	0.0
100	PI/2 BPSK	135	69	19.62	19.82	19.58	21.1	0.0
100	PI/2 BPSK	135	138	19.18	19.35	19.17	21.1	0.0
100	PI/2 BPSK	270	0	19.38	19.56	19.32		
100	QPSK	1	1	19.70	19.85	19.69	21.1	0.0
100	QPSK	1	137	19.56	19.75	19.54		
100	QPSK	1	271	19.59	19.78	19.60		
100	QPSK	135	0	19.21	19.15	19.25	21.1	0.0
100	QPSK	135	69	19.62	19.68	19.39	21.1	0.0
100	QPSK	135	138	19.51	19.49	19.27	21.1	0.0
100	QPSK	270	0	19.61	19.65	19.62		
100	16QAM	1	1	19.83	19.83	19.82	21.1	0.0
100	64QAM	1	1	19.69	19.59	19.69	21.1	0.0
100	256QAM	1	1	17.81	17.98	17.73	19.5	1.6
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.49	19.66	19.53	21.1	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.45	19.68	19.48	21.1	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.46	19.64	19.50	21.1	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.55	19.72	19.46	21.1	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.54	19.73	19.51	21.1	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.45	19.64	19.45	21.1	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.53	19.73	19.49	21.1	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.53	19.73	19.49	21.1	0.0



## Part270 n77 PC2 Ant 3 DSI0

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.08	19.22	19.02	20.6	0.0
100	PI/2 BPSK	1	137	18.78	19.08	18.94		
100	PI/2 BPSK	1	271	19.20	19.16	19.15		
100	PI/2 BPSK	135	0	19.04	19.26	19.05	20.6	0.0
100	PI/2 BPSK	135	69	18.79	19.10	18.90	20.6	0.0
100	PI/2 BPSK	135	138	19.23	19.16	19.11	20.6	0.0
100	PI/2 BPSK	270	0	19.07	19.20	19.10		
100	QPSK	1	1	18.85	19.38	18.91	20.6	0.0
100	QPSK	1	137	19.27	19.14	19.13		
100	QPSK	1	271	19.09	19.16	19.08		
100	QPSK	135	0	18.85	19.03	18.88	20.6	0.0
100	QPSK	135	69	19.20	19.27	19.08	20.6	0.0
100	QPSK	135	138	19.09	19.24	19.06	20.6	0.0
100	QPSK	270	0	19.02	19.24	19.04		
100	16QAM	1	1	19.00	19.20	19.02	20.6	0.0
100	64QAM	1	1	18.79	19.01	18.92	20.6	0.0
100	256QAM	1	1	19.21	19.13	19.07	20.0	0.6
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.83	19.03	18.89	20.6	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.83	19.10	18.94	20.6	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.79	19.05	18.93	20.6	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.79	19.08	18.86	20.6	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.86	19.11	18.87	20.6	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.81	19.10	18.94	20.6	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.81	19.03	18.88	20.6	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.82	19.08	18.86	20.6	0.0

## Part27Q n77 PC2 Ant 3 DSI0

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					633334			



Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	19.25			20.6	0.0
100	PI/2 BPSK	1	137	19.06				
100	PI/2 BPSK	1	271	19.12				
100	PI/2 BPSK	135	0	19.24			20.6	0.0
100	PI/2 BPSK	135	69	19.09			20.6	0.0
100	PI/2 BPSK	135	138	19.17			20.6	0.0
100	PI/2 BPSK	270	0	19.24				
100	QPSK	1	1	19.27				
100	QPSK	1	137	19.21			20.6	0.0
100	QPSK	1	271	19.17				
100	QPSK	135	0	19.11				
100	QPSK	135	69	19.21			20.6	0.0
100	QPSK	135	138	19.19			20.6	0.0
100	QPSK	270	0	19.24				
100	16QAM	1	1	19.05				
100	64QAM	1	1	19.13			20.6	0.0
100	256QAM	1	1	18.95			20.0	0.6
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.80	19.05	18.95	20.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.84	19.09	18.87	20.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.82	19.02	18.93	20.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.82	19.10	18.88	20.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.82	19.04	18.92	20.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.87	19.08	18.87	20.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.81	19.09	18.87	20.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.85	19.07	18.93	20.6	0.0

### Part270 n78 PC2 Ant 3 DSI0

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					650000		20.6	0.0
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.17		20.6	0.0
100	PI/2 BPSK	1	137		19.08			
100	PI/2 BPSK	1	271		19.20			
100	PI/2 BPSK	135	0		19.21		20.6	0.0



100	PI/2 BPSK	135	69		19.01		20.6	0.0
100	PI/2 BPSK	135	138		19.18		20.6	0.0
100	PI/2 BPSK	270	0		19.20			
100	QPSK	1	1		19.27		20.6	0.0
100	QPSK	1	137		19.20			
100	QPSK	1	271		19.20			
100	QPSK	135	0		19.03		20.6	0.0
100	QPSK	135	69		19.25		20.6	0.0
100	QPSK	135	138		19.23		20.6	0.0
100	QPSK	270	0		19.18			
100	16QAM	1	1		19.04		20.6	0.0
100	64QAM	1	1		19.16		20.6	0.0
100	256QAM	1	1		19.19		20.0	0.6
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.85	19.02	18.91	20.6	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.83	19.07	18.92	20.6	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.77	19.10	18.89	20.6	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.80	19.02	18.91	20.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.79	19.08	18.85	20.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.80	19.04	18.92	20.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.77	19.04	18.95	20.6	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.82	19.05	18.86	20.6	0.0

### Part27Q n78 PC2 Ant 3 DSI0

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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.17		20.6	0.0
100	PI/2 BPSK	1	137		19.10			
100	PI/2 BPSK	1	271		19.13			
100	PI/2 BPSK	135	0		19.19		20.6	0.0
100	PI/2 BPSK	135	69		19.03		20.6	0.0
100	PI/2 BPSK	135	138		19.19		20.6	0.0
100	PI/2 BPSK	270	0		19.25			
100	QPSK	1	1		19.26		20.6	0.0
100	QPSK	1	137		19.14			



100	QPSK	1	271		19.25			
100	QPSK	135	0		19.03		20.6	0.0
100	QPSK	135	69		19.21		20.6	0.0
100	QPSK	135	138		19.18		20.6	0.0
100	QPSK	270	0		19.17			
100	16QAM	1	1		19.02		20.6	0.0
100	64QAM	1	1		19.14		20.6	0.0
100	256QAM	1	1		18.44		20.0	0.6
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.86	19.03	18.86	20.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.81	19.03	18.89	20.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.81	19.06	18.86	20.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.87	19.01	18.91	20.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.78	19.07	18.93	20.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.85	19.06	18.86	20.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.83	19.04	18.91	20.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.80	19.04	18.88	20.6	0.0

### n41 Ant 0 DSI0

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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.37	22.51	22.42	24.0	0.0
100	PI/2 BPSK	1	137	22.20	22.37	22.21		
100	PI/2 BPSK	1	271	22.06	22.25	22.09	23.5	0.5
100	PI/2 BPSK	135	0	22.11	22.29	22.05		
100	PI/2 BPSK	135	69	22.36	22.56	22.32	24.0	0.0
100	PI/2 BPSK	135	138	21.92	22.09	21.91	23.5	0.5
100	PI/2 BPSK	270	0	22.12	22.30	22.06		
100	QPSK	1	1	22.44	22.59	22.43	24.0	0.0
100	QPSK	1	137	22.30	22.49	22.28		
100	QPSK	1	271	22.33	22.52	22.34	23.0	1.0
100	QPSK	135	0	21.74	21.89	21.67		
100	QPSK	135	69	22.36	22.42	22.13	24.0	0.0
100	QPSK	135	138	21.25	21.23	21.01	23.0	1.0
100	QPSK	270	0	21.43	21.59	21.41		





100	16QAM	1	1	21.57	21.77	21.56	23.0	1.0
100	64QAM	1	1	19.69	19.89	19.69	21.5	2.5
100	256QAM	1	1	17.81	17.98	17.73	19.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.31	22.55	22.30	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.33	22.57	22.37	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.34	22.57	22.30	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.36	22.55	22.30	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.30	22.57	22.29	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.33	22.56	22.33	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.33	22.50	22.33	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.35	22.53	22.29	24.0	0.0

n41 Ant 5 DSI0								
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				509202	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.29	20.51	20.34	21.3	0.0
100	PI/2 BPSK	1	137	20.12	20.29	20.13		
100	PI/2 BPSK	1	271	20.11	20.17	20.01		
100	PI/2 BPSK	135	0	20.03	20.21	19.97	20.8	0.5
100	PI/2 BPSK	135	69	20.28	20.48	20.24	21.3	0.0
100	PI/2 BPSK	135	138	19.84	20.01	19.83	20.8	0.5
100	PI/2 BPSK	270	0	20.04	20.22	19.98		
100	QPSK	1	1	20.36	20.55	20.35	21.3	0.0
100	QPSK	1	137	20.22	20.41	20.20		
100	QPSK	1	271	20.25	20.44	20.26		
100	QPSK	135	0	19.66	19.81	19.59	21.0	0.3
100	QPSK	135	69	20.28	20.34	20.05	21.3	0.0
100	QPSK	135	138	19.85	19.83	19.61	21.0	0.3
100	QPSK	270	0	19.43	19.59	19.41		
100	16QAM	1	1	20.17	20.37	20.16	21.0	0.3
100	64QAM	1	1	18.99	19.19	18.99	19.5	1.8
100	256QAM	1	1	17.11	17.28	17.03	17.5	3.8
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		



90	QPSK	1	1	20.23	20.47	20.22	21.3	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.25	20.49	20.29	21.3	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.26	20.49	20.22	21.3	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.28	20.47	20.22	21.3	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.22	20.49	20.21	21.3	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.25	20.48	20.25	21.3	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.25	20.42	20.25	21.3	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.27	20.45	20.21	21.3	0.0

## Part270 n77 Ant4 DSI0

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				650000	656000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.14	23.31	23.22	24.0	0.0
100	PI/2 BPSK	1	137	23.14	23.20	23.12		
100	PI/2 BPSK	1	271	23.13	23.20	23.03	23.5	0.5
100	PI/2 BPSK	135	0	22.58	22.65	22.55		
100	PI/2 BPSK	135	69	23.13	23.29	23.09	24.0	0.0
100	PI/2 BPSK	135	138	22.54	22.57	22.44	23.5	0.5
100	PI/2 BPSK	270	0	22.55	22.67	22.51		
100	QPSK	1	1	23.23	23.33	23.16	24.0	0.0
100	QPSK	1	137	23.11	23.32	23.19		
100	QPSK	1	271	23.25	23.30	23.17	23.0	1.0
100	QPSK	135	0	22.18	22.43	22.31		
100	QPSK	135	69	23.02	23.09	22.96	24.0	0.0
100	QPSK	135	138	21.60	21.72	21.60	23.0	1.0
100	QPSK	270	0	22.58	22.60	22.53		
100	16QAM	1	1	23.08	23.26	23.10	24.0	0.0
100	64QAM	1	1	23.00	23.13	23.02	24.0	0.0
100	256QAM	1	1	21.19	21.43	21.26	22.0	2.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.21	23.32	23.11	24.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.18	23.28	23.13	24.0	0.0
Channel				649000	656000	663000	Tune-up	MPR



Frequency (MHz)				3735	3840	3945	limit (dBm)	(dB)
70	QPSK	1	1	23.25	23.30	23.19	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.21	23.32	23.18	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.28	23.32	23.19	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.20	23.31	23.09	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.24	23.31	23.18	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.16	23.32	23.21	24.0	0.0

Part270 n77 PC2 Ant4 DSI0								
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				650000	656000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.47	23.60	23.49	24.9	0.0
100	PI/2 BPSK	1	137	23.47	23.48	23.34		
100	PI/2 BPSK	1	271	23.41	23.42	23.30		
100	PI/2 BPSK	135	0	22.85	22.88	22.81	24.0	0.0
100	PI/2 BPSK	135	69	23.36	23.58	23.32	24.9	0.0
100	PI/2 BPSK	135	138	22.87	22.85	22.73	24.0	0.0
100	PI/2 BPSK	270	0	22.82	22.94	22.73		
100	QPSK	1	1	23.56	23.66	23.40		
100	QPSK	1	137	23.41	23.64	23.48	24.9	0.0
100	QPSK	1	271	23.51	23.53	23.40		
100	QPSK	135	0	22.42	22.64	22.62		
100	QPSK	135	69	23.28	23.32	23.21	24.9	0.0
100	QPSK	135	138	22.11	22.19	22.14	24.0	0.0
100	QPSK	270	0	22.86	22.87	22.75		
100	16QAM	1	1	23.35	23.51	23.43		
100	64QAM	1	1	22.15	22.20	22.13	24.0	0.9
100	256QAM	1	1	21.19	21.43	21.26	22.5	2.4
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.23	23.24	23.08	24.9	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.21	23.26	22.98	24.9	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.18	23.26	23.00	24.9	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		



60	QPSK	1	1	23.22	23.34	23.00	24.9	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.22	23.32	23.00	24.9	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.17	23.30	23.00	24.9	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.23	23.26	23.07	24.9	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.23	23.25	23.08	24.9	0.0

### Part27Q n77 Ant4 DSI0

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					633334		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.02		24.0	0.0
100	PI/2 BPSK	1	137		22.98			
100	PI/2 BPSK	1	271		23.05		24.0	0.0
100	PI/2 BPSK	135	0		22.92			
100	PI/2 BPSK	135	69		22.98		24.0	0.0
100	PI/2 BPSK	135	138		22.96			
100	PI/2 BPSK	270	0		22.99		24.0	0.0
100	QPSK	1	1		23.09			
100	QPSK	1	137		23.00		24.0	0.0
100	QPSK	1	271		23.05			
100	QPSK	135	0		22.84		24.0	0.0
100	QPSK	135	69		22.91			
100	QPSK	135	138		22.87		24.0	0.0
100	QPSK	270	0		22.87			
100	16QAM	1	1		22.88		24.0	0.0
100	64QAM	1	1		22.83			
100	256QAM	1	1		21.05		22.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.95	23.00	22.93	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.88	22.97	22.96	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.92	22.98	22.90	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.89	23.04	22.88	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.89	23.03	22.90	24.0	0.0
Channel				631334	633334	635334	Tune-up	MPR



Frequency (MHz)				3470.01	3500.01	3530.01	limit (dBm)	(dB)
40	QPSK	1	1	22.84	23.04	22.96	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.89	22.96	22.96	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.89	23.02	22.90	24.0	0.0

## Part27Q n77 PC2 Ant4 DSI0

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					633334		24.9	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.48		24.9	0.0
100	PI/2 BPSK	1	137		23.46			
100	PI/2 BPSK	1	271		23.45			
100	PI/2 BPSK	135	0		22.92		24.9	0.0
100	PI/2 BPSK	135	69		23.43		24.9	0.0
100	PI/2 BPSK	135	138		22.76		24.0	0.0
100	PI/2 BPSK	270	0		22.75			
100	QPSK	1	1		23.53		24.9	0.0
100	QPSK	1	137		23.51			
100	QPSK	1	271		23.43			
100	QPSK	135	0		22.54		24.0	0.0
100	QPSK	135	69		23.48		24.9	0.0
100	QPSK	135	138		22.40		24.0	0.0
100	QPSK	270	0		22.45			
100	16QAM	1	1		22.44		24.0	0.0
100	64QAM	1	1		23.14		24.5	0.4
100	256QAM	1	1		21.02		22.5	2.4
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.39	23.41	23.31	24.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.34	23.41	23.37	24.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.38	23.41	23.41	24.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.41	23.40	23.37	24.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.32	23.49	23.35	24.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.33	23.40	23.43	24.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		



30	QPSK	1	1	23.38	23.45	23.42	24.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.42	23.48	23.31	24.9	0.0

## Part270 n78 Ant4 DSI0

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					650000		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.20		24.0	0.0
100	PI/2 BPSK	1	137		23.22			
100	PI/2 BPSK	1	271		23.27			
100	PI/2 BPSK	135	0		23.07		24.0	0.0
100	PI/2 BPSK	135	69		23.18		24.0	0.0
100	PI/2 BPSK	135	138		23.15		24.0	0.0
100	PI/2 BPSK	270	0		23.17			
100	QPSK	1	1		23.28		24.0	0.0
100	QPSK	1	137		23.15			
100	QPSK	1	271		23.21			
100	QPSK	135	0		23.05		24.0	0.0
100	QPSK	135	69		23.16		24.0	0.0
100	QPSK	135	138		23.13		24.0	0.0
100	QPSK	270	0		23.01			
100	16QAM	1	1		23.12		24.0	0.0
100	64QAM	1	1		23.02		24.0	0.0
100	256QAM	1	1		21.21		22.0	2.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.15	23.19	23.16	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.14	23.18	23.04	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.04	23.18	23.14	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.13	23.18	23.07	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.12	23.15	23.15	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.15	23.08	23.07	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.13	23.13	23.15	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.11	23.13	23.10	24.0	0.0



## Part27O n78 PC2 Ant4 DSI0

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.37		24.9	0.0
100	PI/2 BPSK	1	137		23.27			
100	PI/2 BPSK	1	271		23.25			
100	PI/2 BPSK	135	0		23.26		24.9	0.0
100	PI/2 BPSK	135	69		23.27		24.9	0.0
100	PI/2 BPSK	135	138		23.29		24.9	0.0
100	PI/2 BPSK	270	0		23.17			
100	QPSK	1	1		23.39		24.9	0.0
100	QPSK	1	137		23.31			
100	QPSK	1	271		23.21			
100	QPSK	135	0		23.35		24.9	0.0
100	QPSK	135	69		23.26		24.9	0.0
100	QPSK	135	138		23.20		24.9	0.0
100	QPSK	270	0		23.30			
100	16QAM	1	1		23.23		24.9	0.0
100	64QAM	1	1		23.69		24.5	0.4
100	256QAM	1	1		21.50		22.5	2.4
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.21	23.30	23.18	24.9	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.14	23.20	23.16	24.9	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.12	23.24	23.06	24.9	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.15	23.29	23.15	24.9	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.13	23.23	23.07	24.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.19	23.25	23.08	24.9	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.10	23.29	23.16	24.9	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.21	23.23	23.13	24.9	0.0

## Part27Q n78 Ant4 DSI0

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)
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Channel				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.55			24.0	0.0
100	PI/2 BPSK	1	137	22.53				
100	PI/2 BPSK	1	271	22.62				
100	PI/2 BPSK	135	0	22.39			24.0	0.0
100	PI/2 BPSK	135	69	22.48			24.0	0.0
100	PI/2 BPSK	135	138	22.53			24.0	0.0
100	PI/2 BPSK	270	0	22.46				
100	QPSK	1	1	22.82				
100	QPSK	1	137	22.57			24.0	0.0
100	QPSK	1	271	22.61				
100	QPSK	135	0	22.31				
100	QPSK	135	69	22.41			24.0	0.0
100	QPSK	135	138	22.21			24.0	0.0
100	QPSK	270	0	22.25				
100	16QAM	1	1	22.38				
100	64QAM	1	1	22.38			24.0	0.0
100	256QAM	1	1	20.60			22.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.67	22.73	22.71	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.65	22.68	22.66	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.65	22.63	22.70	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.61	22.73	22.59	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.56	22.62	22.61	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.62	22.63	22.70	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.63	22.72	22.60	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.65	22.72	22.70	24.0	0.0

### Part27Q n78 PC2 Ant4 DSI0

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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.28		24.9	0.0
100	PI/2 BPSK	1	137		23.30			
100	PI/2 BPSK	1	271		23.24			





100	PI/2 BPSK	135	0		23.32		24.9	0.0
100	PI/2 BPSK	135	69		23.21		24.9	0.0
100	PI/2 BPSK	135	138		23.27		24.9	0.0
100	PI/2 BPSK	270	0		23.25			
100	QPSK	1	1		23.44		24.9	0.0
100	QPSK	1	137		23.24			
100	QPSK	1	271		23.19			
100	QPSK	135	0		23.32		24.9	0.0
100	QPSK	135	69		23.28		24.9	0.0
100	QPSK	135	138		23.30		24.9	0.0
100	QPSK	270	0		23.24			
100	16QAM	1	1		23.27		24.9	0.0
100	64QAM	1	1		22.55		24.5	0.4
100	256QAM	1	1		20.95		22.5	2.4
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.35	23.43	23.31	24.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.24	23.29	23.25	24.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.22	23.38	23.22	24.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.27	23.38	23.17	24.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.24	23.33	23.20	24.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.19	23.27	23.17	24.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.24	23.29	23.20	24.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.26	23.34	23.26	24.9	0.0

### n41 Ant6 DSI0

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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.50	20.72	20.55	21.8	0.0
100	PI/2 BPSK	1	137	20.33	20.50	20.34		
100	PI/2 BPSK	1	271	20.19	20.38	20.22		
100	PI/2 BPSK	135	0	20.24	20.42	20.18	21.8	0.0
100	PI/2 BPSK	135	69	20.49	20.69	20.45	21.8	0.0
100	PI/2 BPSK	135	138	20.05	20.22	20.04	21.8	0.0
100	PI/2 BPSK	270	0	20.25	20.43	20.19		
100	QPSK	1	1	20.67	20.81	20.66	21.8	0.0



100	QPSK	1	137	20.43	20.62	20.41		
100	QPSK	1	271	20.46	20.65	20.47		
100	QPSK	135	0	19.87	20.02	19.80	21.8	0.0
100	QPSK	135	69	20.49	20.65	20.26	21.8	0.0
100	QPSK	135	138	19.85	19.83	19.61	21.8	0.0
100	QPSK	270	0	19.43	19.59	19.41		
100	16QAM	1	1	20.17	20.37	20.16	21.8	0.0
100	64QAM	1	1	18.99	19.19	18.99	21.8	0.0
100	256QAM	1	1	17.11	17.28	17.03	21.8	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.38	20.66	20.30	21.8	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.35	20.64	20.43	21.8	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.40	20.66	20.29	21.8	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.33	20.66	20.38	21.8	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.42	20.71	20.44	21.8	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.29	20.59	20.43	21.8	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.45	20.63	20.41	21.8	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.32	20.55	20.36	21.8	0.0

## Part270 n77 Ant6 DSI0

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.14	19.31	19.22	20.5	0.0
100	PI/2 BPSK	1	137	19.14	19.20	19.12		
100	PI/2 BPSK	1	271	19.13	19.20	19.03		
100	PI/2 BPSK	135	0	18.58	18.65	18.55	20.5	0.0
100	PI/2 BPSK	135	69	19.13	19.29	19.09	20.5	0.0
100	PI/2 BPSK	135	138	18.84	18.87	19.14	20.5	0.0
100	PI/2 BPSK	270	0	18.55	18.67	18.51		
100	QPSK	1	1	19.23	19.51	19.16	20.5	0.0
100	QPSK	1	137	19.11	19.32	19.19		
100	QPSK	1	271	19.25	19.30	19.17		
100	QPSK	135	0	19.23	19.33	19.16	20.5	0.0
100	QPSK	135	69	19.11	19.32	19.19	20.5	0.0
100	QPSK	135	138	19.25	19.30	19.17	20.5	0.0



100	QPSK	270	0	19.14	19.31	19.22		
100	16QAM	1	1	19.14	19.20	19.12	20.5	0.0
100	64QAM	1	1	19.13	19.20	19.03	20.5	0.0
100	256QAM	1	1	19.13	19.29	19.09	20.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.31	19.34	19.29	20.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.27	19.28	19.27	20.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.26	19.31	19.26	20.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.20	19.32	19.27	20.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.28	19.26	19.30	20.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.34	19.23	19.32	20.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.19	19.26	19.29	20.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.25	19.34	19.32	20.5	0.0

### Part27Q n77 Ant6 DSI0

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					633334		20.5	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.36		20.5	0.0
100	PI/2 BPSK	1	137		19.21			
100	PI/2 BPSK	1	271		19.27			
100	PI/2 BPSK	135	0		18.67			
100	PI/2 BPSK	135	69		19.38			
100	PI/2 BPSK	135	138		18.90			
100	PI/2 BPSK	270	0		18.67		20.5	0.0
100	QPSK	1	1		19.54			
100	QPSK	1	137		19.43			
100	QPSK	1	271		19.37			
100	QPSK	135	0		19.29			
100	QPSK	135	69		19.39			
100	QPSK	135	138		19.37		20.5	0.0
100	QPSK	270	0		19.37			
100	16QAM	1	1		19.25			
100	64QAM	1	1		19.20			
100	256QAM	1	1		19.42			
Channel				633000	633334	633668		



Frequency (MHz)				3495	3500.01	3505.02	limit (dBm)	(dB)
90	QPSK	1	1	19.16	19.42	19.10	20.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.16	19.38	19.01	20.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.15	19.46	19.11	20.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.16	19.40	19.06	20.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.18	19.43	19.04	20.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.15	19.37	19.02	20.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.13	19.42	19.11	20.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.11	19.37	19.07	20.5	0.0

## Part270 n78 Ant6 DSI0

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				650000	650000	650000	20.5	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		19.13			
100	PI/2 BPSK	1	137		19.05		20.5	0.0
100	PI/2 BPSK	1	271		19.10		20.5	0.0
100	PI/2 BPSK	135	0		18.51		20.5	0.0
100	PI/2 BPSK	135	69		19.21		20.5	0.0
100	PI/2 BPSK	135	138		18.74		20.5	0.0
100	PI/2 BPSK	270	0		18.76		20.5	0.0
100	QPSK	1	1		19.47		20.5	0.0
100	QPSK	1	137		19.19			
100	QPSK	1	271		19.16			
100	QPSK	135	0		19.05		20.5	0.0
100	QPSK	135	69		19.19		20.5	0.0
100	QPSK	135	138		19.14		20.5	0.0
100	QPSK	270	0		19.20		20.5	0.0
100	16QAM	1	1		19.04		20.5	0.0
100	64QAM	1	1		18.99		20.5	0.0
100	256QAM	1	1		19.25		20.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.13	19.44	19.03	20.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		



80	QPSK	1	1	19.12	19.38	19.01	20.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.17	19.39	19.10	20.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.18	19.42	19.10	20.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.12	19.45	19.02	20.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.16	19.37	19.10	20.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.12	19.40	19.04	20.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.12	19.41	19.08	20.5	0.0

## Part27Q n78 Ant6 DSI0

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					633334		20.5	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.12		20.5	0.0
100	PI/2 BPSK	1	137		19.06			
100	PI/2 BPSK	1	271		19.13		20.5	0.0
100	PI/2 BPSK	135	0		18.52			
100	PI/2 BPSK	135	69		19.22		20.5	0.0
100	PI/2 BPSK	135	138		18.70			
100	PI/2 BPSK	270	0		18.94		20.5	0.0
100	QPSK	1	1		19.37			
100	QPSK	1	137		19.20		20.5	0.0
100	QPSK	1	271		19.15			
100	QPSK	135	0		19.11		20.5	0.0
100	QPSK	135	69		19.24			
100	QPSK	135	138		19.16		20.5	0.0
100	QPSK	270	0		19.21			
100	16QAM	1	1		19.05		20.5	0.0
100	64QAM	1	1		19.04			
100	256QAM	1	1		19.26		20.5	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.04	19.32	18.95	20.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.04	19.28	19.04	20.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.03	19.34	19.00	20.5	0.0
Channel				632000	633334	634668	Tune-up	MPR



Frequency (MHz)				3480	3500.01	3520.02	limit (dBm)	(dB)
60	QPSK	1	1	19.10	19.35	19.00	20.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.05	19.28	19.01	20.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.10	19.27	19.00	20.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.09	19.33	18.95	20.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.04	19.29	18.96	20.5	0.0

### n5 Ant1 DSI0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	23.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.84	22.04	21.95		
20	PI/2 BPSK	1	53	21.76	21.86	21.62	22.5	0.5
20	PI/2 BPSK	1	104	21.59	21.74	21.71		
20	PI/2 BPSK	50	0	21.22	21.31	21.23	23.0	0.0
20	PI/2 BPSK	50	28	21.65	21.72	21.67		
20	PI/2 BPSK	50	56	21.05	21.23	20.95		
20	PI/2 BPSK	100	0	21.29	21.42	21.15	22.5	0.5
20	QPSK	1	1	21.99	22.09	21.88		
20	QPSK	1	53	21.79	21.89	21.80	23.0	0.0
20	QPSK	1	104	21.47	21.77	21.62		
20	QPSK	50	0	20.73	20.82	20.70		
20	QPSK	50	28	21.63	21.98	21.65	22.0	1.0
20	QPSK	50	56	20.47	20.67	20.59		
20	QPSK	100	0	20.64	20.91	20.65		
20	16QAM	1	1	20.74	20.76	20.57	22.0	1.0
20	64QAM	1	1	19.07	19.47	19.09		
20	256QAM	1	1	17.15	17.51	17.18	18.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.80	22.00	21.81	23.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.84	22.02	21.61	23.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.85	21.92	21.74	23.0	0.0

### n26 Ant1 DSI0

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)
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Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	21.85	21.87	21.74	23.0	0.0
20	PI/2 BPSK	1	53	21.79	21.97	21.94		
20	PI/2 BPSK	1	104	21.74	21.80	21.69		
20	PI/2 BPSK	50	0	21.30	21.49	21.37	22.5	0.5
20	PI/2 BPSK	50	28	21.93	22.04	22.05	23.0	0.0
20	PI/2 BPSK	50	56	21.37	21.41	21.36	22.5	0.5
20	PI/2 BPSK	100	0	21.43	21.48	21.45		
20	QPSK	1	1	21.97	22.11	21.90	23.0	0.0
20	QPSK	1	53	22.03	22.09	21.99		
20	QPSK	1	104	21.90	21.98	21.81		
20	QPSK	50	0	20.96	20.96	20.78	22.0	1.0
20	QPSK	50	28	21.83	22.03	22.01	23.0	0.0
20	QPSK	50	56	20.90	20.98	20.82	22.0	1.0
20	QPSK	100	0	20.95	20.97	20.75		
20	16QAM	1	1	20.82	20.86	20.78	22.0	1.0
20	64QAM	1	1	19.74	19.86	19.88	20.5	2.5
20	256QAM	1	1	17.29	17.34	17.32	18.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	21.78	21.93	21.88	23.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	21.74	21.89	21.91	23.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	21.70	21.97	21.74	23.0	0.0

## n71 Ant1 DSI0

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				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	21.86	22.17	22.02	23.0	0.0
20	PI/2 BPSK	1	53	21.84	22.08	21.87		
20	PI/2 BPSK	1	104	21.88	21.95	21.76		
20	PI/2 BPSK	50	0	21.32	21.66	21.30	22.5	0.5
20	PI/2 BPSK	50	28	21.72	22.08	21.85	23.0	0.0
20	PI/2 BPSK	50	56	21.23	21.52	21.17	22.5	0.5
20	PI/2 BPSK	100	0	21.42	21.62	21.38		
20	QPSK	1	1	22.01	22.37	22.00	23.0	0.0
20	QPSK	1	53	21.94	22.04	21.94		
20	QPSK	1	104	21.77	22.11	21.82		
20	QPSK	50	0	20.85	21.09	20.80	22.0	1.0
20	QPSK	50	28	21.85	22.07	21.84	23.0	0.0
20	QPSK	50	56	20.80	20.97	20.63	22.0	1.0
20	QPSK	100	0	20.84	20.92	20.89		
20	16QAM	1	1	20.60	20.92	20.75	22.0	1.0
20	64QAM	1	1	19.36	19.41	19.35	20.5	2.5
20	256QAM	1	1	17.11	17.33	17.31	18.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		



15	QPSK	1	1	21.93	22.05	21.98	23.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	21.95	22.12	21.79	23.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	21.81	22.14	21.96	23.0	0.0

**Reduced Power Mode for DSI 1**

**n5 Ant 0 DSI1**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.01	23.21	23.02	24.0	0.0
20	PI/2 BPSK	1	53	22.82	23.02	22.85		
20	PI/2 BPSK	1	104	22.64	22.88	22.71		
20	PI/2 BPSK	50	0	22.27	22.50	22.32	23.5	0.5
20	PI/2 BPSK	50	28	22.79	22.96	22.76	24.0	0.0
20	PI/2 BPSK	50	56	22.17	22.33	22.10	23.5	0.5
20	PI/2 BPSK	100	0	22.31	22.49	22.26		
20	QPSK	1	1	23.08	23.27	23.06	24.0	0.0
20	QPSK	1	53	22.91	23.12	22.96		
20	QPSK	1	104	22.69	22.93	22.71		
20	QPSK	50	0	21.83	21.99	21.79	23.0	1.0
20	QPSK	50	28	22.76	22.99	22.84	24.0	0.0
20	QPSK	50	56	21.71	21.87	21.72	23.0	1.0
20	QPSK	100	0	21.69	21.94	21.75		
20	16QAM	1	1	21.77	21.93	21.71	23.0	1.0
20	64QAM	1	1	20.28	20.51	20.31	21.5	2.5
20	256QAM	1	1	18.33	18.51	18.32	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.91	23.03	22.82	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.85	23.10	22.85	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.90	23.10	22.89	24.0	0.0

**n26 Ant 0 DSI1**

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				164800	166300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.63	22.88	22.67	24.0	0.0
20	PI/2 BPSK	1	53	22.67	22.82	22.58		
20	PI/2 BPSK	1	104	22.57	22.78	22.57		
20	PI/2 BPSK	50	0	22.15	22.31	22.14	23.5	0.5
20	PI/2 BPSK	50	28	22.56	22.79	22.59	24.0	0.0
20	PI/2 BPSK	50	56	21.98	22.16	21.98	23.5	0.5





20	PI/2 BPSK	100	0	22.03	22.24	22.01		
20	QPSK	1	1	22.75	22.95	22.72	24.0	0.0
20	QPSK	1	53	22.67	22.88	22.72		
20	QPSK	1	104	22.62	22.84	22.61		
20	QPSK	50	0	21.65	21.82	21.61	23.0	1.0
20	QPSK	50	28	22.54	22.78	22.57	24.0	0.0
20	QPSK	50	56	21.46	21.68	21.50	23.0	1.0
20	QPSK	100	0	21.62	21.78	21.63		
20	16QAM	1	1	21.44	21.68	21.47	23.0	1.0
20	64QAM	1	1	19.97	20.21	19.97	21.5	2.5
20	256QAM	1	1	18.01	18.21	18.02	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.56	22.75	22.47	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.57	22.76	22.53	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.55	22.74	22.50	24.0	0.0

### n71 Ant 0 DSI1

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				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.98	23.15	22.97	24.0	0.0
20	PI/2 BPSK	1	53	22.88	23.06	22.91		
20	PI/2 BPSK	1	104	22.83	22.99	22.79		
20	PI/2 BPSK	50	0	22.45	22.61	22.42	23.5	0.5
20	PI/2 BPSK	50	28	22.79	23.02	22.86	24.0	0.0
20	PI/2 BPSK	50	56	22.29	22.44	22.22	23.5	0.5
20	PI/2 BPSK	100	0	22.42	22.57	22.35		
20	QPSK	1	1	23.12	23.34	23.10	24.0	0.0
20	QPSK	1	53	22.95	23.15	22.99		
20	QPSK	1	104	22.84	23.05	22.84		
20	QPSK	50	0	21.91	22.13	21.93	23.0	1.0
20	QPSK	50	28	22.82	23.07	22.83	24.0	0.0
20	QPSK	50	56	21.74	21.94	21.76	23.0	1.0
20	QPSK	100	0	21.79	22.02	21.84		
20	16QAM	1	1	21.72	21.96	21.75	23.0	1.0
20	64QAM	1	1	20.33	20.48	20.33	21.5	2.5
20	256QAM	1	1	18.23	18.46	18.24	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.94	23.16	22.91	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.91	23.18	22.92	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.92	23.09	22.85	24.0	0.0



## n2 Ant 2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	20.83	20.98	20.83	21.8	0.0
20	PI/2 BPSK	1	53	20.74	20.95	20.70		
20	PI/2 BPSK	1	104	20.77	20.98	20.77		
20	PI/2 BPSK	50	0	20.87	21.01	20.84	21.8	0.0
20	PI/2 BPSK	50	28	20.80	20.92	20.79	21.8	0.0
20	PI/2 BPSK	50	56	20.28	20.45	20.28	21.8	0.0
20	PI/2 BPSK	100	0	20.26	20.43	20.29		
20	QPSK	1	1	20.85	21.08	20.81	21.8	0.0
20	QPSK	1	53	20.82	20.97	20.72		
20	QPSK	1	104	20.85	21.06	20.80		
20	QPSK	50	0	20.23	20.47	20.25	21.8	0.0
20	QPSK	50	28	20.79	20.99	20.84	21.8	0.0
20	QPSK	50	56	20.55	20.77	20.59	21.8	0.0
20	QPSK	100	0	20.58	20.78	20.62		
20	16QAM	1	1	20.89	20.91	20.90	21.8	0.0
20	64QAM	1	1	19.66	19.97	19.76	21.5	0.3
20	256QAM	1	1	17.68	17.94	17.65	19.5	2.3
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	20.67	20.87	20.59	21.8	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	20.64	20.88	20.59	21.8	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	20.62	20.86	20.61	21.8	0.0

## n66 Ant 2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.32	21.49	21.33	22.5	0.0
40	PI/2 BPSK	1	108	21.17	21.42	21.19		
40	PI/2 BPSK	1	214	21.23	21.48	21.25		
40	PI/2 BPSK	108	0	21.31	21.48	21.30	22.5	0.0
40	PI/2 BPSK	108	54	21.27	21.42	21.24	22.5	0.0
40	PI/2 BPSK	108	108	20.76	20.96	20.80	22.5	0.0
40	PI/2 BPSK	216	0	20.71	20.93	20.75		
40	QPSK	1	1	21.34	21.51	21.29	22.5	0.0
40	QPSK	1	108	21.29	21.45	21.23		
40	QPSK	1	214	21.33	21.49	21.31		
40	QPSK	108	0	20.71	20.92	20.73	22.5	0.0
40	QPSK	108	54	21.28	21.47	21.28	22.5	0.0
40	QPSK	108	108	21.06	21.28	21.09	22.5	0.0
40	QPSK	216	0	21.02	21.23	21.05		
40	16QAM	1	1	21.33	21.37	21.39	22.5	0.0
40	64QAM	1	1	19.88	20.12	19.95	21.5	1.0



40	256QAM	1	1	17.90	18.11	17.88	19.5	3.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.15	21.35	21.11	22.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.10	21.32	21.09	22.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.14	21.32	21.07	22.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.15	21.33	21.06	22.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.12	21.26	21.05	22.5	0.0

### n7 Ant 3 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	18.82	19.03	18.81	20.2	0.0
40	PI/2 BPSK	1	108	18.84	19.01	18.82		
40	PI/2 BPSK	1	214	18.81	18.88	18.69		
40	PI/2 BPSK	108	0	18.85	19.07	18.86	20.2	0.0
40	PI/2 BPSK	108	54	18.93	19.04	18.77	20.2	0.0
40	PI/2 BPSK	108	108	18.73	18.95	18.74	20.2	0.0
40	PI/2 BPSK	216	0	18.79	19.01	18.86		
40	QPSK	1	1	18.87	19.23	18.76		
40	QPSK	1	108	18.80	18.92	18.70	20.2	0.0
40	QPSK	1	214	18.84	19.06	18.84	20.2	0.0
40	QPSK	108	0	18.84	19.06	18.84		
40	QPSK	108	54	18.75	19.21	18.72		
40	QPSK	108	108	18.84	18.99	18.88	20.2	0.0
40	QPSK	216	0	18.90	19.02	18.78	20.2	0.0
40	16QAM	1	1	18.77	19.02	18.81		
40	64QAM	1	1	18.91	19.07	18.81		
40	256QAM	1	1	18.79	18.89	18.75	20.2	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.65	19.03	18.54	20.2	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.71	19.04	18.56	20.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	18.67	19.05	18.58	20.2	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.62	19.07	18.51	20.2	0.0



Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.64	19.08	18.60	20.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.71	19.01	18.55	20.2	0.0

## Part270 n77 Ant 2 DSI1

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				650000	656000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.26	21.29	21.31	23.0	0.0
100	PI/2 BPSK	1	137	21.21	21.33	21.19		
100	PI/2 BPSK	1	271	21.36	21.42	21.25		
100	PI/2 BPSK	135	0	20.72	20.92	20.75	22.0	1.0
100	PI/2 BPSK	135	69	21.22	21.29	21.10	23.0	0.0
100	PI/2 BPSK	135	138	21.29	21.23	21.18	22.0	1.0
100	PI/2 BPSK	270	0	21.46	21.50	21.40		
100	QPSK	1	1	21.42	21.63	21.50	23.0	0.0
100	QPSK	1	137	21.41	21.34	21.39		
100	QPSK	1	271	21.49	21.55	21.43		
100	QPSK	135	0	21.18	21.35	21.20	23.0	0.0
100	QPSK	135	69	21.36	21.43	21.42	23.0	0.0
100	QPSK	135	138	21.19	21.34	21.23	23.0	0.0
100	QPSK	270	0	21.37	21.38	21.37		
100	16QAM	1	1	21.26	21.50	21.37	23.0	0.0
100	64QAM	1	1	21.51	21.48	21.56	23.0	0.0
100	256QAM	1	1	19.85	19.90	19.93	21.0	2.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.34	21.53	21.42	23.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.32	21.49	21.39	23.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.32	21.55	21.36	23.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.30	21.55	21.41	23.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.30	21.49	21.44	23.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.30	21.51	21.41	23.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.34	21.54	21.43	23.0	0.0
Channel				647334	656000	664668	Tune-up	MPR



Frequency (MHz)				3710.01	3840	3970.02	limit (dBm)	(dB)
20	QPSK	1	1	21.31	21.55	21.37	23.0	0.0

## Part27Q n77 Ant 2 DSI1

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					633334		23.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.18		23.0	0.0
100	PI/2 BPSK	1	137		21.23			
100	PI/2 BPSK	1	271		21.30			
100	PI/2 BPSK	135	0		20.78		22.0	1.0
100	PI/2 BPSK	135	69		21.15		23.0	0.0
100	PI/2 BPSK	135	138		21.14		22.0	1.0
100	PI/2 BPSK	270	0		21.45			
100	QPSK	1	1		21.55		23.0	0.0
100	QPSK	1	137		21.23			
100	QPSK	1	271		21.46			
100	QPSK	135	0		21.24		23.0	0.0
100	QPSK	135	69		21.36		23.0	0.0
100	QPSK	135	138		21.19		23.0	0.0
100	QPSK	270	0		21.31			
100	16QAM	1	1		21.39		23.0	0.0
100	64QAM	1	1		21.37		23.0	0.0
100	256QAM	1	1		19.77		21.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.23	21.48	21.27	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.19	21.44	21.32	23.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.17	21.44	21.28	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.27	21.43	21.34	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.20	21.41	21.29	23.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.18	21.39	21.29	23.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.23	21.39	21.34	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.24	21.48	21.26	23.0	0.0



## Part270 n78 Ant 2 DSI1

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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	21.04	21.11	21.10	23.0	0.0
100	PI/2 BPSK	1	137	21.20	21.13	21.24		
100	PI/2 BPSK	1	271	21.20	21.20	21.03		
100	PI/2 BPSK	135	0	20.51	20.70	20.60	22.0	1.0
100	PI/2 BPSK	135	69	21.05	21.04	21.11	23.0	0.0
100	PI/2 BPSK	135	138	21.05	21.01	20.95	22.0	1.0
100	PI/2 BPSK	270	0	21.26	21.26	21.17		
100	QPSK	1	1	21.23	21.48	21.30	23.0	0.0
100	QPSK	1	137	21.17	21.10	21.19		
100	QPSK	1	271	21.32	21.32	21.23		
100	QPSK	135	0	21.01	21.17	21.24	23.0	0.0
100	QPSK	135	69	21.11	21.25	21.21	23.0	0.0
100	QPSK	135	138	21.01	21.09	21.15	23.0	0.0
100	QPSK	270	0	21.20	21.26	21.22		
100	16QAM	1	1	21.02	21.34	21.15	23.0	0.0
100	64QAM	1	1	21.27	21.27	21.34	23.0	0.0
100	256QAM	1	1	19.61	19.74	19.69	21.0	2.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.20	21.40	21.32	23.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.26	21.42	21.32	23.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.27	21.42	21.32	23.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.22	21.46	21.26	23.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.22	21.42	21.31	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.24	21.46	21.25	23.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.26	21.39	21.32	23.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.20	21.41	21.35	23.0	0.0

## Part27Q n78 Ant 2 DSI1

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					633334		Tune-up limit (dBm)	MPR (dB)



Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	21.01			23.0	0.0
100	PI/2 BPSK	1	137	21.12				
100	PI/2 BPSK	1	271	21.13				
100	PI/2 BPSK	135	0	20.60			22.0	1.0
100	PI/2 BPSK	135	69	21.19			23.0	0.0
100	PI/2 BPSK	135	138	20.88			22.0	1.0
100	PI/2 BPSK	270	0	21.12				
100	QPSK	1	1	21.39			23.0	0.0
100	QPSK	1	137	21.21				
100	QPSK	1	271	21.22				
100	QPSK	135	0	21.07			23.0	0.0
100	QPSK	135	69	21.25			23.0	0.0
100	QPSK	135	138	21.24			23.0	0.0
100	QPSK	270	0	21.11				
100	16QAM	1	1	21.28			23.0	0.0
100	64QAM	1	1	21.18			23.0	0.0
100	256QAM	1	1	19.62			21.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.32	21.37	21.26	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.34	21.36	21.24	23.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.29	21.29	21.25	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.36	21.30	21.18	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.34	21.37	21.18	23.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.31	21.37	21.20	23.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.35	21.27	21.21	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.30	21.31	21.27	23.0	0.0

n38 Ant 3 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	19.42	19.66	19.54	21.2	0.0
40	PI/2 BPSK	1	53	19.34	19.55	19.42		
40	PI/2 BPSK	1	104	19.49	19.64	19.41		
40	PI/2 BPSK	50	0	19.44	19.60	19.54	21.2	0.0



40	PI/2 BPSK	50	28	19.37	19.65	19.43	21.2	0.0
40	PI/2 BPSK	50	56	19.56	19.65	19.52	21.2	0.0
40	PI/2 BPSK	100	0	19.37	19.63	19.46		
40	QPSK	1	1	19.45	19.75	19.40	21.2	0.0
40	QPSK	1	53	19.53	19.62	19.44		
40	QPSK	1	104	19.44	19.62	19.56		
40	QPSK	50	0	19.37	19.53	19.39	21.2	0.0
40	QPSK	50	28	19.58	19.64	19.46	21.2	0.0
40	QPSK	50	56	19.40	19.58	19.49	21.2	0.0
40	QPSK	100	0	19.40	19.62	19.40		
40	16QAM	1	1	19.45	19.65	19.53	21.2	0.0
40	64QAM	1	1	19.49	19.73	19.48	21.2	0.0
40	256QAM	1	1	17.64	17.80	17.53	19.5	1.7
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	19.45	19.69	19.40	21.2	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	19.42	19.74	19.45	21.2	0.0

### n41 Ant 3 DSI1

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				509202	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.59	19.88	19.72	21.2	0.0
100	PI/2 BPSK	1	137	19.58	19.74	19.62		
100	PI/2 BPSK	1	271	19.71	19.82	19.66		
100	PI/2 BPSK	135	0	19.64	19.79	19.71	21.2	0.0
100	PI/2 BPSK	135	69	19.61	19.84	19.63	21.2	0.0
100	PI/2 BPSK	135	138	19.73	19.89	19.69	21.2	0.0
100	PI/2 BPSK	270	0	19.60	19.81	19.71		
100	QPSK	1	1	19.65	19.90	19.64	21.2	0.0
100	QPSK	1	137	19.73	19.87	19.65		
100	QPSK	1	271	19.64	19.81	19.75		
100	QPSK	135	0	19.61	19.77	19.56	21.2	0.0
100	QPSK	135	69	19.76	19.86	19.64	21.2	0.0
100	QPSK	135	138	19.60	19.80	19.72	21.2	0.0
100	QPSK	270	0	19.59	19.82	19.57		
100	16QAM	1	1	19.63	19.82	19.78	21.2	0.0
100	64QAM	1	1	19.69	19.89	19.69	21.2	0.0
100	256QAM	1	1	17.81	17.98	17.73	19.5	1.7
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.46	19.72	19.41	21.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.40	19.73	19.45	21.2	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.41	19.69	19.49	21.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		





60	QPSK	1	1	19.42	19.71	19.39	21.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.44	19.69	19.48	21.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.50	19.70	19.41	21.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.43	19.72	19.40	21.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.49	19.65	19.45	21.2	0.0

## Part270 n77 Ant 3 DSI1

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				650000	656000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.07	19.36	19.20	20.6	0.0
100	PI/2 BPSK	1	137	19.06	19.22	19.10		
100	PI/2 BPSK	1	271	19.19	19.30	19.14		
100	PI/2 BPSK	135	0	19.12	19.27	19.19	20.6	0.0
100	PI/2 BPSK	135	69	19.09	19.32	19.11	20.6	0.0
100	PI/2 BPSK	135	138	19.21	19.37	19.17	20.6	0.0
100	PI/2 BPSK	270	0	19.08	19.29	19.19		
100	QPSK	1	1	19.13	19.38	19.12		
100	QPSK	1	137	19.21	19.35	19.13	20.6	0.0
100	QPSK	1	271	19.12	19.29	19.23		
100	QPSK	135	0	19.09	19.25	19.04		
100	QPSK	135	69	19.24	19.34	19.12	20.6	0.0
100	QPSK	135	138	19.08	19.28	19.20	20.6	0.0
100	QPSK	270	0	19.07	19.30	19.05		
100	16QAM	1	1	19.11	19.30	19.26		
100	64QAM	1	1	19.12	19.27	19.19	20.6	0.0
100	256QAM	1	1	19.12	19.27	19.19	20.0	0.6
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.00	19.25	19.00	20.6	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.06	19.32	18.97	20.6	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.99	19.24	19.06	20.6	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.07	19.33	19.01	20.6	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.08	19.26	19.05	20.6	0.0
Channel				648000	656000	664000	Tune-up	MPR



Frequency (MHz)				3720	3840	3960	limit (dBm)	(dB)
40	QPSK	1	1	19.02	19.31	19.01	20.6	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.99	19.28	18.97	20.6	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.01	19.28	19.07	20.6	0.0

## Part27Q n77 Ant 3 DSI1

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					633334		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.20		20.6	0.0
100	PI/2 BPSK	1	137		19.06			
100	PI/2 BPSK	1	271		19.14			
100	PI/2 BPSK	135	0		19.11		20.6	0.0
100	PI/2 BPSK	135	69		19.16		20.6	0.0
100	PI/2 BPSK	135	138		19.21		20.6	0.0
100	PI/2 BPSK	270	0		19.13			
100	QPSK	1	1		19.22		20.6	0.0
100	QPSK	1	137		19.19			
100	QPSK	1	271		19.13			
100	QPSK	135	0		19.09		20.6	0.0
100	QPSK	135	69		19.18		20.6	0.0
100	QPSK	135	138		19.12		20.6	0.0
100	QPSK	270	0		19.14			
100	16QAM	1	1		19.14		20.6	0.0
100	64QAM	1	1		19.11		20.6	0.0
100	256QAM	1	1		19.11		20.0	0.6
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.99	19.21	19.01	20.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.03	19.20	18.95	20.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.97	19.21	18.98	20.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.96	19.15	18.92	20.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.98	19.17	18.87	20.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.89	19.19	18.96	20.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		



30	QPSK	1	1	18.95	19.15	18.90	20.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.96	19.14	18.88	20.6	0.0

## Part270 n78 PC2 Ant 3 DSI1

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					650000		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.20		20.6	0.0
100	PI/2 BPSK	1	137		19.04			
100	PI/2 BPSK	1	271		19.09			
100	PI/2 BPSK	135	0		19.11		20.6	0.0
100	PI/2 BPSK	135	69		19.17		20.6	0.0
100	PI/2 BPSK	135	138		19.14		20.6	0.0
100	PI/2 BPSK	270	0		19.08			
100	QPSK	1	1		19.28		20.6	0.0
100	QPSK	1	137		19.19			
100	QPSK	1	271		19.12			
100	QPSK	135	0		19.07		20.6	0.0
100	QPSK	135	69		19.18		20.6	0.0
100	QPSK	135	138		19.09		20.6	0.0
100	QPSK	270	0		19.13			
100	16QAM	1	1		19.08		20.6	0.0
100	64QAM	1	1		19.09		20.6	0.0
100	256QAM	1	1		19.07		20.0	0.6
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.13	19.15	18.95	20.6	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.20	19.22	18.92	20.6	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.14	19.16	18.92	20.6	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.20	19.13	18.95	20.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.18	19.16	18.93	20.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.16	19.14	18.87	20.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.12	19.19	18.95	20.6	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.17	19.19	18.88	20.6	0.0



## Part27Q n78 Ant 3 DSI1

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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.13		20.6	0.0
100	PI/2 BPSK	1	137		19.04			
100	PI/2 BPSK	1	271		19.08			
100	PI/2 BPSK	135	0		19.09		20.6	0.0
100	PI/2 BPSK	135	69		19.07		20.6	0.0
100	PI/2 BPSK	135	138		19.20		20.6	0.0
100	PI/2 BPSK	270	0		19.10			
100	QPSK	1	1		19.22		20.6	0.0
100	QPSK	1	137		19.19			
100	QPSK	1	271		19.06			
100	QPSK	135	0		19.08		20.6	0.0
100	QPSK	135	69		19.15		20.6	0.0
100	QPSK	135	138		19.03		20.6	0.0
100	QPSK	270	0		19.06			
100	16QAM	1	1		19.07		20.6	0.0
100	64QAM	1	1		19.06		20.6	0.0
100	256QAM	1	1		19.02		20.0	0.6
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.13	19.18	18.88	20.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.15	19.19	18.92	20.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.18	19.18	18.89	20.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.16	19.18	18.90	20.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.18	19.17	18.91	20.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.15	19.19	18.91	20.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.16	19.13	18.95	20.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.17	19.13	18.91	20.6	0.0

## n41 Ant 0 DSI1

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)
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Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.37	22.51	22.42	24.0	0.0
100	PI/2 BPSK	1	137	22.20	22.37	22.21		
100	PI/2 BPSK	1	271	22.06	22.25	22.09		
100	PI/2 BPSK	135	0	22.11	22.29	22.05	23.5	0.5
100	PI/2 BPSK	135	69	22.36	22.56	22.32	24.0	0.0
100	PI/2 BPSK	135	138	21.92	22.09	21.91	23.5	0.5
100	PI/2 BPSK	270	0	22.12	22.30	22.06		
100	QPSK	1	1	22.44	22.59	22.43		
100	QPSK	1	137	22.30	22.49	22.28	24.0	0.0
100	QPSK	1	271	22.33	22.52	22.34		
100	QPSK	135	0	21.74	21.89	21.67		
100	QPSK	135	69	22.36	22.42	22.13	24.0	0.0
100	QPSK	135	138	21.25	21.23	21.01	23.0	1.0
100	QPSK	270	0	21.43	21.59	21.41		
100	16QAM	1	1	21.57	21.77	21.56		
100	64QAM	1	1	19.69	19.89	19.69	21.5	2.5
100	256QAM	1	1	17.81	17.98	17.73	19.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.31	22.55	22.30	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.33	22.57	22.37	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.34	22.57	22.30	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.36	22.55	22.30	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.30	22.57	22.29	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.33	22.56	22.33	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.33	22.50	22.33	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.35	22.53	22.29	24.0	0.0

### n41 Ant 5 DSI1

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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.97	21.19	21.02	22.0	0.0
100	PI/2 BPSK	1	137	20.80	20.97	20.81		
100	PI/2 BPSK	1	271	20.66	20.85	20.69		



100	PI/2 BPSK	135	0	20.71	20.89	20.65	21.5	0.5
100	PI/2 BPSK	135	69	20.96	21.16	20.92	22.0	0.0
100	PI/2 BPSK	135	138	20.52	20.69	20.51	21.5	0.5
100	PI/2 BPSK	270	0	20.72	20.90	20.66		
100	QPSK	1	1	21.04	21.23	21.03	22.0	0.0
100	QPSK	1	137	20.90	21.09	20.88		
100	QPSK	1	271	20.93	21.12	20.94		
100	QPSK	135	0	20.34	20.49	20.27	21.0	1.0
100	QPSK	135	69	20.96	21.02	20.73	22.0	0.0
100	QPSK	135	138	19.85	19.83	19.61	21.0	1.0
100	QPSK	270	0	19.43	19.59	19.41		
100	16QAM	1	1	20.17	20.37	20.16	21.0	1.0
100	64QAM	1	1	18.99	19.19	18.99	19.5	2.5
100	256QAM	1	1	17.11	17.28	17.03	17.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.91	21.15	20.90	22.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.93	21.17	20.97	22.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.94	21.17	20.90	22.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.96	21.15	20.90	22.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.90	21.17	20.89	22.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.93	21.16	20.93	22.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.93	21.10	20.93	22.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.95	21.13	20.89	22.0	0.0

## Part270 n77 Ant4 DSI1

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.91	22.08	21.99	23.2	0.0
100	PI/2 BPSK	1	137	21.91	21.97	21.89		
100	PI/2 BPSK	1	271	21.90	21.97	21.80		
100	PI/2 BPSK	135	0	21.35	21.42	21.32	23.2	0.0
100	PI/2 BPSK	135	69	21.90	22.06	21.86	23.2	0.0
100	PI/2 BPSK	135	138	21.31	21.34	21.21	23.2	0.0
100	PI/2 BPSK	270	0	21.32	21.44	21.28		
100	QPSK	1	1	22.00	22.10	21.93	23.2	0.0



100	QPSK	1	137	21.88	22.09	21.96		
100	QPSK	1	271	22.02	22.07	21.94		
100	QPSK	135	0	21.45	21.42	21.38	23.2	0.0
100	QPSK	135	69	21.79	21.86	21.73	23.2	0.0
100	QPSK	135	138	21.47	21.49	21.37	23.2	0.0
100	QPSK	270	0	21.35	21.37	21.30		
100	16QAM	1	1	21.85	22.03	21.87	23.2	0.0
100	64QAM	1	1	21.77	21.90	21.79	23.2	0.0
100	256QAM	1	1	21.19	21.43	21.26	22.0	1.2
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.84	21.93	21.69	23.2	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.78	21.89	21.76	23.2	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.83	21.87	21.75	23.2	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.84	21.94	21.71	23.2	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.82	21.95	21.75	23.2	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.78	21.95	21.70	23.2	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.78	21.89	21.75	23.2	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.80	21.93	21.69	23.2	0.0

## Part27Q n77 Ant4 DSI1

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					633334		23.2	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.90		23.2	0.0
100	PI/2 BPSK	1	137		21.86			
100	PI/2 BPSK	1	271		21.93		23.2	0.0
100	PI/2 BPSK	135	0		21.80			
100	PI/2 BPSK	135	69		21.86		23.2	0.0
100	PI/2 BPSK	135	138		21.84			
100	PI/2 BPSK	270	0		21.87		23.2	0.0
100	QPSK	1	1		21.97			
100	QPSK	1	137		21.88		23.2	0.0
100	QPSK	1	271		21.93			
100	QPSK	135	0		21.72		23.2	0.0
100	QPSK	135	69		21.79		23.2	0.0
100	QPSK	135	138		21.75		23.2	0.0



100	QPSK	270	0		21.75			
100	16QAM	1	1		21.76		23.2	0.0
100	64QAM	1	1		21.71		23.2	0.0
100	256QAM	1	1		21.05		22.0	1.2
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.75	21.79	21.70	23.2	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.75	21.79	21.69	23.2	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.74	21.79	21.66	23.2	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.67	21.75	21.65	23.2	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.74	21.74	21.67	23.2	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.74	21.77	21.69	23.2	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.71	21.76	21.65	23.2	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.72	21.76	21.74	23.2	0.0

## Part270 n78 Ant4 DSI1

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					650000		23.2	0.0
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		21.81		23.2	0.0
100	PI/2 BPSK	1	137		21.70			
100	PI/2 BPSK	1	271		21.75		23.2	0.0
100	PI/2 BPSK	135	0		21.38			
100	PI/2 BPSK	135	69		21.67		23.2	0.0
100	PI/2 BPSK	135	138		21.38			
100	PI/2 BPSK	270	0		21.49		23.2	0.0
100	QPSK	1	1		21.83			
100	QPSK	1	137		21.81		23.2	0.0
100	QPSK	1	271		21.79			
100	QPSK	135	0		21.45		23.2	0.0
100	QPSK	135	69		21.58			
100	QPSK	135	138		21.28		23.2	0.0
100	QPSK	270	0		21.22			
100	16QAM	1	1		21.77		23.2	0.0
100	64QAM	1	1		21.68		23.2	0.0
100	256QAM	1	1		21.18		22.0	1.2
Channel				649668	650000	650334	Tune-up	MPR





Frequency (MHz)				3745.02	3750	3755.01	limit (dBm)	(dB)
90	QPSK	1	1	21.59	21.64	21.43	23.2	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.56	21.70	21.41	23.2	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.65	21.67	21.49	23.2	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.60	21.65	21.47	23.2	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.65	21.64	21.42	23.2	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.58	21.71	21.43	23.2	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.56	21.66	21.42	23.2	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.56	21.68	21.46	23.2	0.0

## Part27Q n78 Ant4 DSI1

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					633334		23.2	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.75		23.2	0.0
100	PI/2 BPSK	1	137		21.66			
100	PI/2 BPSK	1	271		21.60		23.2	0.0
100	PI/2 BPSK	135	0		21.28			
100	PI/2 BPSK	135	69		21.62		23.2	0.0
100	PI/2 BPSK	135	138		21.45			
100	PI/2 BPSK	270	0		21.32		23.2	0.0
100	QPSK	1	1		21.76			
100	QPSK	1	137		21.70		23.2	0.0
100	QPSK	1	271		21.67			
100	QPSK	135	0		21.45		23.2	0.0
100	QPSK	135	69		21.50			
100	QPSK	135	138		21.25		23.2	0.0
100	QPSK	270	0		21.45			
100	16QAM	1	1		21.63		23.2	0.0
100	64QAM	1	1		21.53			
100	256QAM	1	1		21.00		22.0	1.2
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.56	21.69	21.59	23.2	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		



80	QPSK	1	1	21.50	21.69	21.55	23.2	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.54	21.66	21.51	23.2	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.55	21.65	21.51	23.2	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.49	21.62	21.59	23.2	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.57	21.64	21.52	23.2	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.56	21.65	21.56	23.2	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.58	21.66	21.57	23.2	0.0

## n41 Ant6 DSI1

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				509202	518598	528000	21.7	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.45	20.67	20.50	21.7	0.0
100	PI/2 BPSK	1	137	20.28	20.45	20.29		
100	PI/2 BPSK	1	271	20.14	20.33	20.17	21.7	0.0
100	PI/2 BPSK	135	0	20.19	20.37	20.13		
100	PI/2 BPSK	135	69	20.44	20.64	20.40	21.7	0.0
100	PI/2 BPSK	135	138	20.00	20.17	19.99		
100	PI/2 BPSK	270	0	20.20	20.38	20.14	21.7	0.0
100	QPSK	1	1	20.62	20.81	20.61		
100	QPSK	1	137	20.38	20.57	20.36	21.7	0.0
100	QPSK	1	271	20.41	20.60	20.42		
100	QPSK	135	0	20.20	20.38	20.14	21.7	0.0
100	QPSK	135	69	20.44	20.60	20.21		
100	QPSK	135	138	20.38	20.57	20.36	21.7	0.0
100	QPSK	270	0	19.43	19.59	19.41		
100	16QAM	1	1	20.17	20.37	20.16	21.7	0.0
100	64QAM	1	1	18.99	19.19	18.99		
100	256QAM	1	1	17.11	17.28	17.03	21.7	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98	21.7	0.0
90	QPSK	1	1	20.45	20.62	20.43		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.40	20.61	20.43	21.7	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	20.42	20.65	20.39		
Channel				505200	518598	531996	Tune-up	MPR



Frequency (MHz)				2526	2592.99	2659.98	limit (dBm)	(dB)
60	QPSK	1	1	20.38	20.66	20.36	21.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.38	20.59	20.41	21.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.38	20.57	20.41	21.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.40	20.59	20.39	21.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.45	20.65	20.42	21.7	0.0

## Part270 n77 Ant6 DSI1

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				650000	656000	662000	20.7	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.32	19.41	19.40		
100	PI/2 BPSK	1	137	19.32	19.38	19.30	20.7	0.0
100	PI/2 BPSK	1	271	19.31	19.38	19.21		
100	PI/2 BPSK	135	0	18.76	18.83	18.73	20.7	0.0
100	PI/2 BPSK	135	69	19.31	19.47	19.27	20.7	0.0
100	PI/2 BPSK	135	138	19.29	19.50	19.37	20.7	0.0
100	PI/2 BPSK	270	0	19.43	19.48	19.35		
100	QPSK	1	1	19.41	19.51	19.34	20.7	0.0
100	QPSK	1	137	19.29	19.50	19.37		
100	QPSK	1	271	19.43	19.48	19.35		
100	QPSK	135	0	19.26	19.44	19.28	20.7	0.0
100	QPSK	135	69	19.26	19.45	19.28	20.7	0.0
100	QPSK	135	138	19.18	19.31	19.20	20.7	0.0
100	QPSK	270	0	18.76	18.78	18.71		
100	16QAM	1	1	19.26	19.44	19.28	20.7	0.0
100	64QAM	1	1	19.18	19.31	19.20	20.7	0.0
100	256QAM	1	1	18.87	19.11	18.94	20.7	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.22	19.32	19.14	20.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.27	19.39	19.22	20.7	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.27	19.35	19.19	20.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.27	19.36	19.15	20.7	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		



50	QPSK	1	1	19.26	19.32	19.16	20.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.29	19.36	19.20	20.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.23	19.39	19.24	20.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.25	19.32	19.14	20.7	0.0

## Part27Q n77 Ant6 DSI1

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					633334		20.7	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.47		20.7	0.0
100	PI/2 BPSK	1	137		19.43			
100	PI/2 BPSK	1	271		19.50		20.7	0.0
100	PI/2 BPSK	135	0		19.37			
100	PI/2 BPSK	135	69		19.43		20.7	0.0
100	PI/2 BPSK	135	138		19.41			
100	PI/2 BPSK	270	0		19.44		20.7	0.0
100	QPSK	1	1		19.54			
100	QPSK	1	137		19.45		20.7	0.0
100	QPSK	1	271		19.50			
100	QPSK	135	0		19.29		20.7	0.0
100	QPSK	135	69		19.36			
100	QPSK	135	138		19.32		20.7	0.0
100	QPSK	270	0		19.32			
100	16QAM	1	1		19.33		20.7	0.0
100	64QAM	1	1		19.28			
100	256QAM	1	1		19.50		20.7	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	19.12	19.13	18.97		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.02	19.21	19.03	20.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.05	19.14	19.01	20.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.06	19.18	19.00	20.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.03	19.18	18.99	20.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.05	19.22	19.00	20.7	0.0
Channel				631000	633334	635668	Tune-up	MPR



Frequency (MHz)				3465	3500.01	3535.02	limit (dBm)	(dB)
30	QPSK	1	1	19.06	19.21	19.02	20.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.09	19.19	18.97	20.7	0.0

## Part270 n78 Ant6 DSI1

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				650000	650000	650000	20.7	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		19.34			
100	PI/2 BPSK	1	137		19.26		20.7	0.0
100	PI/2 BPSK	1	271		19.38		20.7	0.0
100	PI/2 BPSK	135	0		19.26		20.7	0.0
100	PI/2 BPSK	135	69		19.24		20.7	0.0
100	PI/2 BPSK	135	138		19.23		20.7	0.0
100	PI/2 BPSK	270	0		19.29		20.7	0.0
100	QPSK	1	1		19.39		20.7	0.0
100	QPSK	1	137		19.26			
100	QPSK	1	271		19.35			
100	QPSK	135	0		19.11		20.7	0.0
100	QPSK	135	69		19.22		20.7	0.0
100	QPSK	135	138		19.17		20.7	0.0
100	QPSK	270	0		19.13		20.7	0.0
100	16QAM	1	1		19.15		20.7	0.0
100	64QAM	1	1		19.15		20.7	0.0
100	256QAM	1	1		19.30		20.7	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.93	18.95	18.84	20.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.97	19.03	18.77	20.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.02	18.99	18.83	20.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.97	18.93	18.81	20.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.96	19.03	18.87	20.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.01	18.98	18.82	20.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.96	18.96	18.84	20.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		