



Band 41 HPUE Ant2 Default										
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	25.54	25.56	25.88	25.70	25.63	27	0
20	QPSK	1	49	25.52	25.61	25.65	25.53	25.62		
20	QPSK	1	99	25.68	25.73	25.78	25.66	25.75		
20	QPSK	50	0	24.91	24.82	24.98	24.89	24.84	26	1
20	QPSK	50	24	24.75	24.86	24.88	24.73	24.85		
20	QPSK	50	50	24.70	24.72	24.82	24.75	24.71		
20	QPSK	100	0	24.78	24.82	24.86	24.69	24.83	26	1
20	16QAM	1	0	24.91	24.97	25.06	24.97	24.95		
20	16QAM	1	49	24.78	24.91	25.02	24.91	24.85		
20	16QAM	1	99	24.85	24.79	24.91	24.80	24.83	25	2
20	16QAM	50	0	23.87	23.83	23.91	23.83	23.85		
20	16QAM	50	24	23.72	23.68	23.79	23.76	23.73		
20	16QAM	50	50	23.70	23.84	23.88	23.74	23.80	25	2
20	16QAM	100	0	23.81	23.87	23.96	23.93	23.93		
20	64QAM	1	0	23.84	23.75	23.89	23.74	23.78		
20	64QAM	1	49	23.72	23.82	23.86	23.80	23.65	25	2
20	64QAM	1	99	23.72	23.72	23.87	23.73	23.76		
20	64QAM	50	0	22.87	22.87	22.97	22.92	22.86		
20	64QAM	50	24	22.81	22.86	22.94	22.87	22.73	24	3
20	64QAM	50	50	22.66	22.83	22.87	22.73	22.83		
20	64QAM	100	0	22.83	22.76	22.89	22.72	22.86		
20	256QAM	1	0	20.63	20.59	20.88	20.77	20.65	22	5
20	256QAM	1	49	20.61	20.56	20.74	20.59	20.65		
20	256QAM	1	99	20.68	20.74	20.77	20.62	20.71		
20	256QAM	50	0	20.97	20.83	21.06	20.97	20.87	22	5
20	256QAM	50	24	20.80	20.85	20.93	20.79	20.91		
20	256QAM	50	50	20.75	20.72	20.83	20.70	20.74		
20	256QAM	100	0	20.86	20.79	20.91	20.74	20.84		
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	25.40	25.50	25.71	25.61	25.56	27	0
15	QPSK	1	37	25.38	25.58	25.50	25.42	25.52		
15	QPSK	1	74	25.60	25.71	25.74	25.60	25.66		
15	QPSK	36	0	24.83	24.68	24.83	24.81	24.69	26	1
15	QPSK	36	20	24.62	24.78	24.72	24.60	24.68		
15	QPSK	36	39	24.64	24.69	24.75	24.66	24.55		
15	QPSK	75	0	24.66	24.78	24.71	24.64	24.76	26	1
15	16QAM	1	0	24.83	24.85	24.91	24.86	24.87		
15	16QAM	1	37	24.64	24.77	24.98	24.85	24.69		
15	16QAM	1	74	24.79	24.63	24.85	24.76	24.72		



FCC SAR Test Report

Report No. : FA311602

15	16QAM	36	0	23.74	23.77	23.86	23.70	23.77	25	2
15	16QAM	36	20	23.61	23.58	23.62	23.68	23.66		
15	16QAM	36	39	23.55	23.70	23.75	23.71	23.64		
15	16QAM	75	0	23.77	23.84	23.91	23.89	23.84	25	2
15	64QAM	1	0	23.79	23.65	23.76	23.69	23.67		
15	64QAM	1	37	23.63	23.73	23.81	23.72	23.53		
15	64QAM	1	74	23.56	23.59	23.78	23.58	23.72	24	3
15	64QAM	36	0	22.72	22.80	22.95	22.86	22.73		
15	64QAM	36	20	22.78	22.78	22.91	22.72	22.66		
15	64QAM	36	39	22.59	22.67	22.79	22.68	22.76	22	5
15	64QAM	75	0	22.77	22.61	22.80	22.65	22.71		
15	256QAM	1	0	20.56	20.63	20.86	20.67	20.62		
15	256QAM	1	37	20.48	20.64	20.60	20.50	20.61	22	5
15	256QAM	1	74	20.75	20.78	20.84	20.73	20.74		
15	256QAM	36	0	20.94	20.80	20.96	20.94	20.94		
15	256QAM	36	20	20.73	20.82	20.97	20.69	20.83	22	5
15	256QAM	36	39	20.78	20.71	20.83	20.75	20.68		
15	256QAM	75	0	20.77	20.77	20.85	20.66	20.85		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	25.45	25.44	25.83	25.64	25.50	27.00	0
10	QPSK	1	25	25.46	25.49	25.55	25.50	25.52		
10	QPSK	1	49	25.55	25.61	25.70	25.59	25.65		
10	QPSK	25	0	24.74	24.79	24.84	24.85	24.77	26	1
10	QPSK	25	12	24.72	24.77	24.85	24.70	24.73		
10	QPSK	25	25	24.61	24.66	24.68	24.70	24.55		
10	QPSK	50	0	24.68	24.75	24.82	24.56	24.74	26	1
10	16QAM	1	0	24.83	24.83	24.90	24.89	24.86		
10	16QAM	1	25	24.71	24.80	24.96	24.79	24.78		
10	16QAM	1	49	24.81	24.67	24.80	24.75	24.76	25	2
10	16QAM	25	0	23.71	23.81	23.84	23.79	23.73		
10	16QAM	25	12	23.61	23.66	23.64	23.67	23.63		
10	16QAM	25	25	23.67	23.72	23.85	23.59	23.67	25	2
10	16QAM	50	0	23.66	23.83	23.84	23.90	23.79		
10	64QAM	1	0	23.80	23.67	23.78	23.68	23.62		
10	64QAM	1	25	23.55	23.67	23.80	23.74	23.53	25	2
10	64QAM	1	49	23.67	23.59	23.73	23.65	23.67		
10	64QAM	25	0	22.81	22.72	22.86	22.89	22.79		
10	64QAM	25	12	22.77	22.75	22.85	22.73	22.70	24	3
10	64QAM	25	25	22.57	22.66	22.74	22.60	22.72		
10	64QAM	50	0	22.78	22.67	22.77	22.56	22.79		
10	256QAM	1	0	20.63	20.62	20.88	20.72	20.61	22	5
10	256QAM	1	25	20.62	20.64	20.62	20.58	20.69		
10	256QAM	1	49	20.77	20.82	20.83	20.76	20.84		
10	256QAM	25	0	20.91	20.87	21.02	20.93	20.91	22	5
10	256QAM	25	12	20.77	20.86	20.88	20.75	20.87		
10	256QAM	25	25	20.70	20.78	20.91	20.84	20.66		
10	256QAM	50	0	20.79	20.83	20.88	20.71	20.80	Tune-up	MPR
Channel				39675	40148	40620	41093	41565		



Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	limit (dBm)	(dB)
5	QPSK	1	0	25.45	25.45	25.78	25.68	25.47	27.00	0
5	QPSK	1	12	25.47	25.47	25.51	25.50	25.57		
5	QPSK	1	24	25.65	25.56	25.70	25.50	25.60		
5	QPSK	12	0	24.75	24.79	24.91	24.84	24.76	26	1
5	QPSK	12	7	24.72	24.77	24.71	24.62	24.69		
5	QPSK	12	13	24.57	24.55	24.67	24.70	24.63		
5	16QAM	1	0	24.74	24.94	25.00	24.84	24.86	26	1
5	16QAM	1	12	24.74	24.74	24.95	24.78	24.79		
5	16QAM	1	24	24.80	24.77	24.80	24.74	24.71		
5	16QAM	12	0	23.73	23.70	23.80	23.74	23.72	25	2
5	16QAM	12	7	23.58	23.59	23.68	23.68	23.64		
5	16QAM	12	13	23.61	23.70	23.79	23.64	23.77		
5	16QAM	25	0	23.76	23.82	23.93	23.90	23.78	25	2
5	64QAM	1	0	23.71	23.58	23.73	23.63	23.74		
5	64QAM	1	12	23.56	23.73	23.71	23.63	23.51		
5	64QAM	1	24	23.63	23.60	23.83	23.60	23.65	24	3
5	64QAM	12	0	22.76	22.79	22.81	22.83	22.75		
5	64QAM	12	7	22.77	22.72	22.80	22.80	22.58		
5	64QAM	12	13	22.61	22.75	22.75	22.57	22.66	22	5
5	64QAM	25	0	22.75	22.68	22.85	22.68	22.79		
5	256QAM	1	0	20.52	20.56	20.89	20.78	20.69		
5	256QAM	1	12	20.56	20.67	20.65	20.55	20.59	22	5
5	256QAM	1	24	20.75	20.74	20.87	20.68	20.84		
5	256QAM	12	0	20.90	20.92	21.00	20.93	20.91		
5	256QAM	12	7	20.73	20.94	20.94	20.81	20.88	22	5
5	256QAM	12	13	20.71	20.78	20.83	20.84	20.73		
5	256QAM	25	0	20.84	20.82	20.96	20.66	20.85		



Band 48_FCC Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.43	22.61	22.53	22.47	24	0
20	QPSK	1	49	22.45	22.55	22.51	22.42		
20	QPSK	1	99	22.36	22.50	22.46	22.34		
20	QPSK	50	0	21.62	21.76	21.66	21.60	23	1
20	QPSK	50	24	21.56	21.72	21.58	21.66		
20	QPSK	50	50	21.68	21.74	21.58	21.69		
20	QPSK	100	0	21.67	21.77	21.71	21.62	23	1
20	16QAM	1	0	21.72	21.81	21.67	21.69		
20	16QAM	1	49	21.64	21.67	21.65	21.60		
20	16QAM	1	99	21.60	21.68	21.77	21.68	22	2
20	16QAM	50	0	20.72	20.75	20.65	20.67		
20	16QAM	50	24	20.54	20.66	20.69	20.50		
20	16QAM	50	50	20.48	20.65	20.68	20.55	22	2
20	16QAM	100	0	20.72	20.77	20.70	20.62		
20	64QAM	1	0	20.71	20.75	20.59	20.63		
20	64QAM	1	49	20.58	20.70	20.55	20.58	22	2
20	64QAM	1	99	20.57	20.63	20.58	20.59		
20	64QAM	50	0	19.66	19.79	19.77	19.65		
20	64QAM	50	24	19.73	19.77	19.65	19.59	21	3
20	64QAM	50	50	19.60	19.71	19.64	19.64		
20	64QAM	100	0	19.74	19.78	19.63	19.72		
20	256QAM	1	0	17.39	17.60	17.61	17.46	19	5
20	256QAM	1	49	17.55	17.59	17.55	17.40		
20	256QAM	1	99	17.40	17.52	17.44	17.29		
20	256QAM	50	0	17.61	17.72	17.61	17.59	19	5
20	256QAM	50	24	17.56	17.82	17.57	17.66		
20	256QAM	50	50	17.74	17.82	17.55	17.77		
20	256QAM	100	0	17.76	17.79	17.70	17.59		
Channel				55315	55820	56160	56665		
Frequency (MHz)				3557.5	3608	3642	3692.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	22.36	22.48	22.48	22.41		
15	QPSK	1	37	22.30	22.47	22.34	22.32	24	0
15	QPSK	1	74	22.30	22.39	22.39	22.22		
15	QPSK	36	0	21.47	21.72	21.58	21.50		
15	QPSK	36	20	21.42	21.56	21.48	21.55	23	1
15	QPSK	36	39	21.60	21.66	21.49	21.61		
15	QPSK	75	0	21.59	21.75	21.68	21.46		
15	16QAM	1	0	21.69	21.77	21.52	21.65	23	1
15	16QAM	1	37	21.51	21.58	21.56	21.48		
15	16QAM	1	74	21.56	21.64	21.63	21.66		



FCC SAR Test Report

Report No. : FA311602

15	16QAM	36	0	20.64	20.71	20.55	20.54	22	2
15	16QAM	36	20	20.41	20.49	20.66	20.41		
15	16QAM	36	39	20.39	20.49	20.54	20.40		
15	16QAM	75	0	20.67	20.64	20.53	20.56	22	2
15	64QAM	1	0	20.61	20.69	20.49	20.59		
15	64QAM	1	37	20.48	20.62	20.50	20.44		
15	64QAM	1	74	20.47	20.54	20.46	20.45	21	3
15	64QAM	36	0	19.61	19.77	19.71	19.62		
15	64QAM	36	20	19.61	19.67	19.55	19.50		
15	64QAM	36	39	19.48	19.69	19.59	19.50	19	5
15	64QAM	75	0	19.61	19.71	19.60	19.68		
15	256QAM	1	0	17.49	17.68	17.52	17.53		
15	256QAM	1	37	17.49	17.60	17.47	17.51	19	5
15	256QAM	1	74	17.44	17.54	17.42	17.35		
15	256QAM	36	0	17.63	17.81	17.63	17.66		
15	256QAM	36	20	17.52	17.77	17.62	17.64	19	5
15	256QAM	36	39	17.76	17.73	17.58	17.64		
15	256QAM	75	0	17.72	17.78	17.80	17.70		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	22.37	22.55	22.44	22.32	24	0
10	QPSK	1	25	22.42	22.40	22.39	22.35		
10	QPSK	1	49	22.34	22.41	22.41	22.26		
10	QPSK	25	0	21.47	21.61	21.58	21.52	23	1
10	QPSK	25	12	21.50	21.64	21.54	21.50		
10	QPSK	25	25	21.62	21.57	21.53	21.57		
10	QPSK	50	0	21.52	21.67	21.55	21.47	23	1
10	16QAM	1	0	21.55	21.74	21.57	21.56		
10	16QAM	1	25	21.51	21.54	21.58	21.53		
10	16QAM	1	49	21.53	21.56	21.62	21.53	22	2
10	16QAM	25	0	20.57	20.69	20.56	20.64		
10	16QAM	25	12	20.38	20.50	20.55	20.33		
10	16QAM	25	25	20.41	20.50	20.60	20.49	22	2
10	16QAM	50	0	20.60	20.73	20.59	20.56		
10	64QAM	1	0	20.68	20.69	20.52	20.58		
10	64QAM	1	25	20.54	20.61	20.42	20.52	21	3
10	64QAM	1	49	20.40	20.53	20.51	20.52		
10	64QAM	25	0	19.50	19.71	19.67	19.58		
10	64QAM	25	12	19.62	19.61	19.50	19.50	19	5
10	64QAM	25	25	19.58	19.67	19.57	19.49		
10	64QAM	50	0	19.65	19.62	19.59	19.57		
10	256QAM	1	0	17.49	17.65	17.53	17.52	19	5
10	256QAM	1	25	17.48	17.51	17.54	17.41		
10	256QAM	1	49	17.36	17.54	17.50	17.32		
10	256QAM	25	0	17.70	17.74	17.64	17.66	19	5
10	256QAM	25	12	17.60	17.69	17.56	17.76		
10	256QAM	25	25	17.70	17.80	17.53	17.76		
10	256QAM	50	0	17.75	17.80	17.78	17.67	19	5
Channel				55265	55810	56170	56715		



Frequency (MHz)				3552.5	3607	3643	3697.5	limit (dBm)	(dB)
5	QPSK	1	0	22.32	22.58	22.38	22.40	24	0
5	QPSK	1	12	22.34	22.49	22.44	22.30		
5	QPSK	1	24	22.30	22.44	22.35	22.31		
5	QPSK	12	0	21.48	21.62	21.55	21.56	23	1
5	QPSK	12	7	21.45	21.57	21.44	21.56		
5	QPSK	12	13	21.63	21.57	21.47	21.56		
5	QPSK	25	0	21.56	21.69	21.63	21.45	23	1
5	16QAM	1	0	21.69	21.68	21.64	21.60		
5	16QAM	1	12	21.59	21.55	21.52	21.46		
5	16QAM	1	24	21.52	21.57	21.64	21.59	22	2
5	16QAM	12	0	20.60	20.73	20.52	20.54		
5	16QAM	12	7	20.48	20.51	20.67	20.35		
5	16QAM	12	13	20.37	20.48	20.52	20.45	22	2
5	16QAM	25	0	20.65	20.71	20.54	20.59		
5	16QAM	25	0	20.65	20.71	20.54	20.59		
5	64QAM	1	0	20.60	20.60	20.56	20.53	22	2
5	64QAM	1	12	20.46	20.60	20.52	20.47		
5	64QAM	1	24	20.42	20.58	20.49	20.51		
5	64QAM	12	0	19.58	19.75	19.62	19.62	21	3
5	64QAM	12	7	19.65	19.64	19.60	19.45		
5	64QAM	12	13	19.52	19.56	19.55	19.58		
5	64QAM	25	0	19.63	19.70	19.60	19.66	19	5
5	256QAM	1	0	17.49	17.64	17.56	17.52		
5	256QAM	1	12	17.54	17.62	17.60	17.50		
5	256QAM	1	24	17.41	17.58	17.44	17.31	19	5
5	256QAM	12	0	17.62	17.80	17.68	17.64		
5	256QAM	12	7	17.62	17.67	17.65	17.61		
5	256QAM	12	13	17.69	17.80	17.59	17.70	19	5
5	256QAM	25	0	17.66	17.76	17.72	17.58		



Reduced Power Mode for DSI 0

Band 38 Ant2 Default

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	23.79	23.90	23.88	25	0
20	QPSK	1	49	23.68	23.83	23.77		
20	QPSK	1	99	23.71	23.88	23.71		
20	QPSK	50	0	22.88	23.00	22.86	24	1
20	QPSK	50	24	22.90	22.95	22.78		
20	QPSK	50	50	22.80	22.85	22.70		
20	QPSK	100	0	22.79	22.91	22.88		
20	16QAM	1	0	22.92	23.06	23.01	24	1
20	16QAM	1	49	22.90	22.97	22.86		
20	16QAM	1	99	22.87	22.99	22.84		
20	16QAM	50	0	21.92	21.99	21.83	23	2
20	16QAM	50	24	21.81	21.88	21.81		
20	16QAM	50	50	21.85	21.90	21.75		
20	16QAM	100	0	21.76	21.92	21.85		
20	64QAM	1	0	21.65	21.79	21.73	23	2
20	64QAM	1	49	21.56	21.62	21.58		
20	64QAM	1	99	21.62	21.69	21.61		
20	64QAM	50	0	20.97	21.00	20.94	22	3
20	64QAM	50	24	20.68	20.83	20.76		
20	64QAM	50	50	20.79	20.89	20.78		
20	64QAM	100	0	20.87	20.93	20.77		
20	256QAM	1	0	18.72	18.99	18.80	20	5
20	256QAM	1	49	18.82	18.84	18.87		
20	256QAM	1	99	18.86	18.84	18.82		
20	256QAM	50	0	19.00	19.09	18.98	20	5
20	256QAM	50	24	18.85	18.95	18.82		
20	256QAM	50	50	18.97	18.95	18.84		
20	256QAM	100	0	18.94	18.94	18.88		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.62	23.76	23.75	25	0
15	QPSK	1	37	23.59	23.67	23.63		
15	QPSK	1	74	23.55	23.76	23.56		
15	QPSK	36	0	22.77	22.97	22.69	24	1
15	QPSK	36	20	22.84	22.88	22.70		
15	QPSK	36	39	22.67	22.83	22.57		
15	QPSK	75	0	22.70	22.76	22.75		
15	16QAM	1	0	22.84	22.97	22.92	24	1
15	16QAM	1	37	22.75	22.87	22.78		



15	16QAM	1	74	22.71	22.94	22.77		
15	16QAM	36	0	21.84	21.91	21.70	23	2
15	16QAM	36	20	21.74	21.76	21.77		
15	16QAM	36	39	21.77	21.81	21.63		
15	16QAM	75	0	21.63	21.79	21.80	23	2
15	64QAM	1	0	21.51	21.69	21.69		
15	64QAM	1	37	21.42	21.47	21.54		
15	64QAM	1	74	21.58	21.62	21.55	22	3
15	64QAM	36	0	20.82	20.95	20.83		
15	64QAM	36	20	20.54	20.76	20.62		
15	64QAM	36	39	20.64	20.85	20.65	20	5
15	64QAM	75	0	20.72	20.79	20.70		
15	256QAM	1	0	18.75	18.99	18.82		
15	256QAM	1	37	18.80	18.77	18.88	20	5
15	256QAM	1	74	18.90	18.94	18.81		
15	256QAM	36	0	18.99	19.08	18.97		
15	256QAM	36	20	18.93	18.98	18.83	20	5
15	256QAM	36	39	18.91	18.98	18.91		
15	256QAM	75	0	18.85	19.02	18.93		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.69	23.81	23.76	25	0
10	QPSK	1	25	23.62	23.66	23.67		
10	QPSK	1	49	23.57	23.72	23.56		
10	QPSK	25	0	22.76	22.91	22.82	24	1
10	QPSK	25	12	22.86	22.90	22.70		
10	QPSK	25	25	22.66	22.78	22.63		
10	QPSK	50	0	22.77	22.77	22.83	24	1
10	16QAM	1	0	22.90	23.03	22.95		
10	16QAM	1	25	22.79	22.88	22.78		
10	16QAM	1	49	22.84	22.91	22.67	23	2
10	16QAM	25	0	21.87	21.83	21.71		
10	16QAM	25	12	21.77	21.83	21.75		
10	16QAM	25	25	21.70	21.80	21.63	23	2
10	16QAM	50	0	21.73	21.86	21.79		
10	64QAM	1	0	21.61	21.67	21.64		
10	64QAM	1	25	21.50	21.54	21.44	23	2
10	64QAM	1	49	21.49	21.54	21.50		
10	64QAM	25	0	20.92	20.83	20.86		
10	64QAM	25	12	20.59	20.70	20.70	22	3
10	64QAM	25	25	20.67	20.82	20.62		
10	64QAM	50	0	20.70	20.82	20.75		
10	256QAM	1	0	18.75	18.88	18.78	20	5
10	256QAM	1	25	18.77	18.81	18.87		
10	256QAM	1	49	18.86	18.82	18.78		
10	256QAM	25	0	18.93	19.06	18.86	20	5
10	256QAM	25	12	18.84	18.89	18.87		
10	256QAM	25	25	18.94	18.95	18.86		
10	256QAM	50	0	18.94	18.91	18.87		



Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.76	23.75	23.77	25	0
5	QPSK	1	12	23.60	23.76	23.66		
5	QPSK	1	24	23.55	23.79	23.57		
5	QPSK	12	0	22.77	22.92	22.74	24	1
5	QPSK	12	7	22.74	22.86	22.70		
5	QPSK	12	13	22.77	22.76	22.53		
5	QPSK	25	0	22.75	22.82	22.72	24	1
5	16QAM	1	0	22.80	23.00	22.92		
5	16QAM	1	12	22.81	22.90	22.84		
5	16QAM	1	24	22.81	22.87	22.76	23	2
5	16QAM	12	0	21.83	21.91	21.67		
5	16QAM	12	7	21.76	21.84	21.78		
5	16QAM	12	13	21.82	21.78	21.61	22	3
5	16QAM	25	0	21.71	21.81	21.69		
5	64QAM	1	0	21.56	21.69	21.66		
5	64QAM	1	12	21.50	21.56	21.47	23	2
5	64QAM	1	24	21.55	21.59	21.50		
5	64QAM	12	0	20.80	20.95	20.86		
5	64QAM	12	7	20.64	20.68	20.71	22	3
5	64QAM	12	13	20.74	20.87	20.70		
5	64QAM	25	0	20.83	20.86	20.62		
5	256QAM	1	0	18.77	18.91	18.91	20	5
5	256QAM	1	12	18.80	18.80	18.87		
5	256QAM	1	24	18.81	18.83	18.67		
5	256QAM	12	0	18.96	18.99	18.87	20	5
5	256QAM	12	7	18.89	18.97	18.85		
5	256QAM	12	13	18.86	18.99	18.83		
5	256QAM	25	0	18.92	18.95	18.85		



Band 41 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.59	23.61	23.93	23.79	23.72	25	0
20	QPSK	1	49	23.62	23.69	23.76	23.64	23.60		
20	QPSK	1	99	23.80	23.80	23.84	23.70	23.67		
20	QPSK	50	0	22.91	22.89	22.99	22.94	22.85	24	1
20	QPSK	50	24	22.82	22.77	22.90	22.77	22.77		
20	QPSK	50	50	22.80	22.81	22.87	22.85	22.78		
20	QPSK	100	0	22.77	22.78	22.91	22.84	22.82	24	1
20	16QAM	1	0	23.04	23.02	23.06	22.92	23.04		
20	16QAM	1	49	22.85	22.99	23.04	22.91	22.96		
20	16QAM	1	99	22.94	22.87	23.02	22.85	22.79	23	2
20	16QAM	50	0	21.93	21.98	22.03	21.89	21.93		
20	16QAM	50	24	21.93	21.78	21.88	21.74	21.93		
20	16QAM	50	50	21.83	21.91	21.95	21.81	21.83	23	2
20	16QAM	100	0	21.83	21.86	21.94	21.81	21.92		
20	64QAM	1	0	21.68	21.60	21.74	21.61	21.59		
20	64QAM	1	49	21.52	21.45	21.61	21.53	21.62	23	2
20	64QAM	1	99	21.53	21.63	21.70	21.63	21.50		
20	64QAM	50	0	20.92	20.89	21.02	20.86	20.95		
20	64QAM	50	24	20.80	20.87	20.92	20.77	20.82	22	3
20	64QAM	50	50	20.87	20.79	20.90	20.77	20.88		
20	64QAM	100	0	20.86	20.77	20.92	20.82	20.79		
20	256QAM	1	0	18.64	18.64	18.98	18.83	18.77	20	5
20	256QAM	1	49	18.69	18.69	18.83	18.66	18.67		
20	256QAM	1	99	18.80	18.84	18.88	18.70	18.73		
20	256QAM	50	0	18.95	18.90	18.97	18.95	18.86	20	5
20	256QAM	50	24	18.88	18.76	18.95	18.83	18.84		
20	256QAM	50	50	18.76	18.88	18.97	18.87	18.82		
20	256QAM	100	0	18.74	18.87	18.90	18.83	18.85		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.56	23.57	23.91	23.62	23.63	25	0
15	QPSK	1	37	23.48	23.67	23.73	23.59	23.53		
15	QPSK	1	74	23.64	23.76	23.82	23.67	23.59		
15	QPSK	36	0	22.84	22.78	22.97	22.83	22.72	24	1
15	QPSK	36	20	22.69	22.70	22.76	22.70	22.63		
15	QPSK	36	39	22.76	22.77	22.81	22.78	22.73		
15	QPSK	75	0	22.63	22.72	22.82	22.80	22.65	24	1
15	16QAM	1	0	23.00	22.89	23.03	22.87	22.88		
15	16QAM	1	37	22.72	22.82	22.93	22.85	22.83		



FCC SAR Test Report

Report No. : FA311602

15	16QAM	1	74	22.86	22.82	22.95	22.79	22.65		
15	16QAM	36	0	21.86	21.93	22.00	21.82	21.90	23	2
15	16QAM	36	20	21.87	21.73	21.83	21.68	21.85		
15	16QAM	36	39	21.67	21.87	21.90	21.79	21.66		
15	16QAM	75	0	21.71	21.73	21.87	21.75	21.77		
15	64QAM	1	0	21.65	21.54	21.67	21.49	21.45	23	2
15	64QAM	1	37	21.41	21.40	21.56	21.38	21.58		
15	64QAM	1	74	21.42	21.48	21.64	21.49	21.34		
15	64QAM	36	0	20.81	20.78	20.90	20.74	20.91	22	3
15	64QAM	36	20	20.77	20.79	20.77	20.64	20.79		
15	64QAM	36	39	20.77	20.67	20.79	20.71	20.84		
15	64QAM	75	0	20.77	20.75	20.83	20.78	20.71		
15	256QAM	1	0	18.58	18.61	18.92	18.82	18.69	20	5
15	256QAM	1	37	18.67	18.74	18.83	18.73	18.63		
15	256QAM	1	74	18.81	18.80	18.84	18.76	18.69		
15	256QAM	36	0	18.87	18.85	19.06	18.89	18.92	20	5
15	256QAM	36	20	18.81	18.73	18.94	18.77	18.86		
15	256QAM	36	39	18.75	18.85	18.87	18.84	18.84		
15	256QAM	75	0	18.87	18.81	18.98	18.83	18.87		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.44	23.49	23.80	23.67	23.56	25.00	0
10	QPSK	1	25	23.53	23.58	23.65	23.49	23.45		
10	QPSK	1	49	23.70	23.72	23.79	23.59	23.52		
10	QPSK	25	0	22.74	22.77	22.95	22.85	22.77	24	1
10	QPSK	25	12	22.74	22.63	22.78	22.64	22.60		
10	QPSK	25	25	22.72	22.64	22.83	22.76	22.69		
10	QPSK	50	0	22.65	22.71	22.86	22.69	22.68		
10	16QAM	1	0	23.01	22.98	22.93	22.82	22.96	24	1
10	16QAM	1	25	22.78	22.86	22.99	22.80	22.88		
10	16QAM	1	49	22.85	22.80	22.94	22.68	22.68		
10	16QAM	25	0	21.79	21.88	21.89	21.78	21.82	23	2
10	16QAM	25	12	21.87	21.70	21.82	21.64	21.80		
10	16QAM	25	25	21.74	21.77	21.83	21.77	21.75		
10	16QAM	50	0	21.70	21.82	21.80	21.71	21.85		
10	64QAM	1	0	21.60	21.47	21.64	21.50	21.45	23	2
10	64QAM	1	25	21.38	21.33	21.56	21.44	21.47		
10	64QAM	1	49	21.47	21.51	21.58	21.61	21.42		
10	64QAM	25	0	20.76	20.75	20.94	20.76	20.79	22	3
10	64QAM	25	12	20.70	20.83	20.88	20.69	20.75		
10	64QAM	25	25	20.79	20.63	20.75	20.62	20.86		
10	64QAM	50	0	20.79	20.63	20.84	20.68	20.74		
10	256QAM	1	0	18.62	18.67	18.92	18.75	18.73	20	5
10	256QAM	1	25	18.70	18.71	18.76	18.60	18.66		
10	256QAM	1	49	18.81	18.79	18.80	18.69	18.76		
10	256QAM	25	0	19.01	18.97	18.99	18.97	18.89	20	5
10	256QAM	25	12	18.90	18.75	18.93	18.75	18.86		
10	256QAM	25	25	18.84	18.81	18.93	18.82	18.84		
10	256QAM	50	0	18.87	18.79	18.89	18.84	18.89		



Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.54	23.47	23.88	23.69	23.66	25.00	0
5	QPSK	1	12	23.50	23.58	23.72	23.60	23.57		
5	QPSK	1	24	23.71	23.63	23.72	23.54	23.58		
5	QPSK	12	0	22.84	22.73	22.88	22.77	22.82	24	1
5	QPSK	12	7	22.67	22.70	22.75	22.67	22.74		
5	QPSK	12	13	22.66	22.66	22.75	22.80	22.71		
5	QPSK	25	0	22.70	22.75	22.80	22.77	22.74		
5	16QAM	1	0	22.98	22.98	22.93	22.78	22.99	24	1
5	16QAM	1	12	22.71	22.97	22.88	22.84	22.87		
5	16QAM	1	24	22.80	22.83	22.93	22.69	22.69		
5	16QAM	12	0	21.89	21.88	21.97	21.74	21.90	23	2
5	16QAM	12	7	21.78	21.63	21.72	21.59	21.87		
5	16QAM	12	13	21.78	21.80	21.88	21.76	21.73		
5	16QAM	25	0	21.68	21.73	21.83	21.71	21.84		
5	64QAM	1	0	21.53	21.44	21.69	21.46	21.49	23	2
5	64QAM	1	12	21.38	21.29	21.55	21.43	21.49		
5	64QAM	1	24	21.46	21.55	21.55	21.50	21.46		
5	64QAM	12	0	20.83	20.72	20.98	20.69	20.89	22	3
5	64QAM	12	7	20.73	20.81	20.82	20.75	20.68		
5	64QAM	12	13	20.79	20.64	20.80	20.63	20.86		
5	64QAM	25	0	20.84	20.68	20.78	20.75	20.77		
5	256QAM	1	0	18.55	18.67	18.93	18.85	18.80	20	5
5	256QAM	1	12	18.71	18.73	18.80	18.65	18.70		
5	256QAM	1	24	18.78	18.84	18.92	18.72	18.76		
5	256QAM	12	0	18.89	18.93	18.96	18.97	18.86	20	5
5	256QAM	12	7	18.78	18.79	18.91	18.77	18.76		
5	256QAM	12	13	18.76	18.78	18.83	18.86	18.85		
5	256QAM	25	0	18.75	18.79	18.90	18.87	18.81		



Band 41 HPUE Ant2 Default

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	25.54	25.56	25.88	25.70	25.63	27	0
20	QPSK	1	49	25.52	25.61	25.65	25.53	25.62		
20	QPSK	1	99	25.68	25.73	25.78	25.66	25.75		
20	QPSK	50	0	24.91	24.82	24.98	24.89	24.84	26	1
20	QPSK	50	24	24.75	24.86	24.88	24.73	24.85		
20	QPSK	50	50	24.70	24.72	24.82	24.75	24.71		
20	QPSK	100	0	24.78	24.82	24.86	24.69	24.83	26	1
20	16QAM	1	0	24.91	24.97	25.06	24.97	24.95		
20	16QAM	1	49	24.78	24.91	25.02	24.91	24.85		
20	16QAM	1	99	24.85	24.79	24.91	24.80	24.83	25	2
20	16QAM	50	0	23.87	23.83	23.91	23.83	23.85		
20	16QAM	50	24	23.72	23.68	23.79	23.76	23.73		
20	16QAM	50	50	23.70	23.84	23.88	23.74	23.80	25	2
20	16QAM	100	0	23.81	23.87	23.96	23.93	23.93		
20	64QAM	1	0	23.84	23.75	23.89	23.74	23.78		
20	64QAM	1	49	23.72	23.82	23.86	23.80	23.65	25	2
20	64QAM	1	99	23.72	23.72	23.87	23.73	23.76		
20	64QAM	50	0	22.87	22.87	22.97	22.92	22.86		
20	64QAM	50	24	22.81	22.86	22.94	22.87	22.73	24	3
20	64QAM	50	50	22.66	22.83	22.87	22.73	22.83		
20	64QAM	100	0	22.83	22.76	22.89	22.72	22.86		
20	256QAM	1	0	20.63	20.59	20.88	20.77	20.65	22	5
20	256QAM	1	49	20.61	20.56	20.74	20.59	20.65		
20	256QAM	1	99	20.68	20.74	20.77	20.62	20.71		
20	256QAM	50	0	20.97	20.83	21.06	20.97	20.87	22	5
20	256QAM	50	24	20.80	20.85	20.93	20.79	20.91		
20	256QAM	50	50	20.75	20.72	20.83	20.70	20.74		
20	256QAM	100	0	20.86	20.79	20.91	20.74	20.84		
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	25.40	25.50	25.71	25.61	25.56	27	0
15	QPSK	1	37	25.38	25.58	25.50	25.42	25.52		
15	QPSK	1	74	25.60	25.71	25.74	25.60	25.66		
15	QPSK	36	0	24.83	24.68	24.83	24.81	24.69	26	1
15	QPSK	36	20	24.62	24.78	24.72	24.60	24.68		
15	QPSK	36	39	24.64	24.69	24.75	24.66	24.55		
15	QPSK	75	0	24.66	24.78	24.71	24.64	24.76	26	1
15	16QAM	1	0	24.83	24.85	24.91	24.86	24.87		
15	16QAM	1	37	24.64	24.77	24.98	24.85	24.69		



FCC SAR Test Report

Report No. : FA311602

15	16QAM	1	74	24.79	24.63	24.85	24.76	24.72		
15	16QAM	36	0	23.74	23.77	23.86	23.70	23.77	25	2
15	16QAM	36	20	23.61	23.58	23.62	23.68	23.66		
15	16QAM	36	39	23.55	23.70	23.75	23.71	23.64		
15	16QAM	75	0	23.77	23.84	23.91	23.89	23.84	25	2
15	64QAM	1	0	23.79	23.65	23.76	23.69	23.67		
15	64QAM	1	37	23.63	23.73	23.81	23.72	23.53		
15	64QAM	1	74	23.56	23.59	23.78	23.58	23.72	24	3
15	64QAM	36	0	22.72	22.80	22.95	22.86	22.73		
15	64QAM	36	20	22.78	22.78	22.91	22.72	22.66		
15	64QAM	36	39	22.59	22.67	22.79	22.68	22.76	22	5
15	64QAM	75	0	22.77	22.61	22.80	22.65	22.71		
15	256QAM	1	0	20.56	20.63	20.86	20.67	20.62		
15	256QAM	1	37	20.48	20.64	20.60	20.50	20.61	22	5
15	256QAM	1	74	20.75	20.78	20.84	20.73	20.74		
15	256QAM	36	0	20.94	20.80	20.96	20.94	20.94		
15	256QAM	36	20	20.73	20.82	20.97	20.69	20.83	22	5
15	256QAM	36	39	20.78	20.71	20.83	20.75	20.68		
15	256QAM	75	0	20.77	20.77	20.85	20.66	20.85		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	25.45	25.44	25.83	25.64	25.50	27.00	0
10	QPSK	1	25	25.46	25.49	25.55	25.50	25.52		
10	QPSK	1	49	25.55	25.61	25.70	25.59	25.65		
10	QPSK	25	0	24.74	24.79	24.84	24.85	24.77	26	1
10	QPSK	25	12	24.72	24.77	24.85	24.70	24.73		
10	QPSK	25	25	24.61	24.66	24.68	24.70	24.55		
10	QPSK	50	0	24.68	24.75	24.82	24.56	24.74	26	1
10	16QAM	1	0	24.83	24.83	24.90	24.89	24.86		
10	16QAM	1	25	24.71	24.80	24.96	24.79	24.78		
10	16QAM	1	49	24.81	24.67	24.80	24.75	24.76	25	2
10	16QAM	25	0	23.71	23.81	23.84	23.79	23.73		
10	16QAM	25	12	23.61	23.66	23.64	23.67	23.63		
10	16QAM	25	25	23.67	23.72	23.85	23.59	23.67	25	2
10	16QAM	50	0	23.66	23.83	23.84	23.90	23.79		
10	64QAM	1	0	23.80	23.67	23.78	23.68	23.62		
10	64QAM	1	25	23.55	23.67	23.80	23.74	23.53	24	3
10	64QAM	1	49	23.67	23.59	23.73	23.65	23.67		
10	64QAM	25	0	22.81	22.72	22.86	22.89	22.79		
10	64QAM	25	12	22.77	22.75	22.85	22.73	22.70	22	5
10	64QAM	25	25	22.57	22.66	22.74	22.60	22.72		
10	64QAM	50	0	22.78	22.67	22.77	22.56	22.79		
10	256QAM	1	0	20.63	20.62	20.88	20.72	20.61	22	5
10	256QAM	1	25	20.62	20.64	20.62	20.58	20.69		
10	256QAM	1	49	20.77	20.82	20.83	20.76	20.84		
10	256QAM	25	0	20.91	20.87	21.02	20.93	20.91	22	5
10	256QAM	25	12	20.77	20.86	20.88	20.75	20.87		
10	256QAM	25	25	20.70	20.78	20.91	20.84	20.66		
10	256QAM	50	0	20.79	20.83	20.88	20.71	20.80		



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	25.45	25.45	25.78	25.68	25.47	27.00	0
5	QPSK	1	12	25.47	25.47	25.51	25.50	25.57		
5	QPSK	1	24	25.65	25.56	25.70	25.50	25.60		
5	QPSK	12	0	24.75	24.79	24.91	24.84	24.76	26	1
5	QPSK	12	7	24.72	24.77	24.71	24.62	24.69		
5	QPSK	12	13	24.57	24.55	24.67	24.70	24.63		
5	QPSK	25	0	24.73	24.70	24.74	24.54	24.66		
5	16QAM	1	0	24.74	24.94	25.00	24.84	24.86	26	1
5	16QAM	1	12	24.74	24.74	24.95	24.78	24.79		
5	16QAM	1	24	24.80	24.77	24.80	24.74	24.71		
5	16QAM	12	0	23.73	23.70	23.80	23.74	23.72	25	2
5	16QAM	12	7	23.58	23.59	23.68	23.68	23.64		
5	16QAM	12	13	23.61	23.70	23.79	23.64	23.77		
5	16QAM	25	0	23.76	23.82	23.93	23.90	23.78		
5	64QAM	1	0	23.71	23.58	23.73	23.63	23.74	25	2
5	64QAM	1	12	23.56	23.73	23.71	23.63	23.51		
5	64QAM	1	24	23.63	23.60	23.83	23.60	23.65		
5	64QAM	12	0	22.76	22.79	22.81	22.83	22.75	24	3
5	64QAM	12	7	22.77	22.72	22.80	22.80	22.58		
5	64QAM	12	13	22.61	22.75	22.75	22.57	22.66		
5	64QAM	25	0	22.75	22.68	22.85	22.68	22.79		
5	256QAM	1	0	20.52	20.56	20.89	20.78	20.69	22	5
5	256QAM	1	12	20.56	20.67	20.65	20.55	20.59		
5	256QAM	1	24	20.75	20.74	20.87	20.68	20.84		
5	256QAM	12	0	20.90	20.92	21.00	20.93	20.91	22	5
5	256QAM	12	7	20.73	20.94	20.94	20.81	20.88		
5	256QAM	12	13	20.71	20.78	20.83	20.84	20.73		
5	256QAM	25	0	20.84	20.82	20.96	20.66	20.85		



Band 48_FCC Ant5 DSI 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	21.17	21.33	21.26	21.11	22.4	0
20	QPSK	1	49	21.09	21.17	21.01	21.09		
20	QPSK	1	99	20.94	21.29	21.05	20.97		
20	QPSK	50	0	20.85	21.26	20.85	20.96	22.4	0
20	QPSK	50	24	20.87	21.18	20.95	21.14		
20	QPSK	50	50	21.12	21.16	21.10	21.18		
20	QPSK	100	0	21.19	21.20	21.09	20.90	22.4	0
20	16QAM	1	0	21.04	21.12	20.96	21.15		
20	16QAM	1	49	21.12	20.90	21.04	21.07		
20	16QAM	1	99	21.17	21.09	21.27	21.16	22	0.4
20	16QAM	50	0	20.72	20.75	20.65	20.67		
20	16QAM	50	24	20.54	20.66	20.69	20.50		
20	16QAM	50	50	20.48	20.65	20.68	20.55	22	0.4
20	16QAM	100	0	20.72	20.77	20.70	20.62		
20	64QAM	1	0	20.71	20.75	20.59	20.63		
20	64QAM	1	49	20.58	20.70	20.55	20.58	21	1.4
20	64QAM	1	99	20.57	20.63	20.58	20.59		
20	64QAM	50	0	19.66	19.79	19.77	19.65		
20	64QAM	50	24	19.73	19.77	19.65	19.59	19	3.4
20	64QAM	50	50	19.60	19.71	19.64	19.64		
20	64QAM	100	0	19.74	19.78	19.63	19.72		
20	256QAM	1	0	17.39	17.60	17.61	17.46	19	3.4
20	256QAM	1	49	17.55	17.59	17.55	17.40		
20	256QAM	1	99	17.40	17.52	17.44	17.29		
20	256QAM	50	0	17.61	17.72	17.61	17.59	22.4	0
20	256QAM	50	24	17.56	17.82	17.57	17.66		
20	256QAM	50	50	17.74	17.82	17.55	17.77		
20	256QAM	100	0	17.76	17.79	17.70	17.59	22.4	0
15	QPSK	1	0	20.90	21.05	21.12	21.00		
15	QPSK	1	37	20.87	21.00	20.74	20.91		
15	QPSK	1	74	20.69	21.02	20.89	20.72	22.4	0
15	QPSK	36	0	20.56	21.06	20.68	20.75		
15	QPSK	36	20	20.78	21.05	20.85	21.06		
15	QPSK	36	39	20.97	20.89	20.82	20.93	22.4	0
15	QPSK	75	0	21.10	21.00	20.94	20.62		
15	16QAM	1	0	20.87	20.86	20.82	20.91		
15	16QAM	1	37	20.85	20.67	20.80	20.81	22.4	0
15	16QAM	1	74	21.07	20.92	21.03	20.98		



FCC SAR Test Report

Report No. : FA311602

15	16QAM	36	0	20.64	20.71	20.55	20.54	22	0.4
15	16QAM	36	20	20.41	20.49	20.66	20.41		
15	16QAM	36	39	20.39	20.49	20.54	20.40		
15	16QAM	75	0	20.67	20.64	20.53	20.56	22	0.4
15	64QAM	1	0	20.61	20.69	20.49	20.59		
15	64QAM	1	37	20.48	20.62	20.50	20.44		
15	64QAM	1	74	20.47	20.54	20.46	20.45	21	1.4
15	64QAM	36	0	19.61	19.77	19.71	19.62		
15	64QAM	36	20	19.61	19.67	19.55	19.50		
15	64QAM	36	39	19.48	19.69	19.59	19.50	19	3.4
15	64QAM	75	0	19.61	19.71	19.60	19.68		
15	256QAM	1	0	17.49	17.68	17.52	17.53		
15	256QAM	1	37	17.49	17.60	17.47	17.51	19	3.4
15	256QAM	1	74	17.44	17.54	17.42	17.35		
15	256QAM	36	0	17.63	17.81	17.63	17.66		
15	256QAM	36	20	17.52	17.77	17.62	17.64	19	3.4
15	256QAM	36	39	17.76	17.73	17.58	17.64		
15	256QAM	75	0	17.72	17.78	17.80	17.70		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	20.94	21.13	21.16	21.03	22.4	0
10	QPSK	1	25	20.92	20.96	20.82	20.93		
10	QPSK	1	49	20.85	21.21	20.97	20.77		
10	QPSK	25	0	20.63	21.01	20.72	20.82	22.4	0
10	QPSK	25	12	20.68	20.94	20.66	21.00		
10	QPSK	25	25	20.85	21.05	20.80	20.90		
10	QPSK	50	0	20.94	20.93	20.86	20.70	22.4	0
10	16QAM	1	0	20.83	20.95	20.74	21.00		
10	16QAM	1	25	20.90	20.73	20.95	20.86		
10	16QAM	1	49	20.97	20.79	21.13	20.84	22	0.4
10	16QAM	25	0	20.57	20.69	20.56	20.64		
10	16QAM	25	12	20.38	20.50	20.55	20.33		
10	16QAM	25	25	20.41	20.50	20.60	20.49	22	0.4
10	16QAM	50	0	20.60	20.73	20.59	20.56		
10	64QAM	1	0	20.68	20.69	20.52	20.58		
10	64QAM	1	25	20.54	20.61	20.42	20.52	21	1.4
10	64QAM	1	49	20.40	20.53	20.51	20.52		
10	64QAM	25	0	19.50	19.71	19.67	19.58		
10	64QAM	25	12	19.62	19.61	19.50	19.50	19	3.4
10	64QAM	25	25	19.58	19.67	19.57	19.49		
10	64QAM	50	0	19.65	19.62	19.59	19.57		
10	256QAM	1	0	17.49	17.65	17.53	17.52	19	3.4
10	256QAM	1	25	17.48	17.51	17.54	17.41		
10	256QAM	1	49	17.36	17.54	17.50	17.32		
10	256QAM	25	0	17.70	17.74	17.64	17.66	19	3.4
10	256QAM	25	12	17.60	17.69	17.56	17.76		
10	256QAM	25	25	17.70	17.80	17.53	17.76		
10	256QAM	50	0	17.75	17.80	17.78	17.67	Channel	MPR
Channel				55265	55810	56170	56715		



Frequency (MHz)				3552.5	3607	3643	3697.5	limit (dBm)	(dB)
5	QPSK	1	0	20.92	21.16	21.09	20.83	22.4	0
5	QPSK	1	12	20.77	20.96	20.89	20.94		
5	QPSK	1	24	20.82	21.17	20.90	20.76		
5	QPSK	12	0	20.75	20.97	20.63	20.64	22.4	0
5	QPSK	12	7	20.73	20.91	20.78	20.82		
5	QPSK	12	13	20.80	20.93	20.90	21.08		
5	16QAM	1	0	20.73	20.93	20.82	20.85	22.4	0
5	16QAM	1	12	20.96	20.80	20.93	20.94		
5	16QAM	1	24	20.90	20.98	20.95	21.01		
5	16QAM	12	0	20.60	20.73	20.52	20.54	22	0.4
5	16QAM	12	7	20.48	20.51	20.67	20.35		
5	16QAM	12	13	20.37	20.48	20.52	20.45		
5	16QAM	25	0	20.65	20.71	20.54	20.59	22	0.4
5	64QAM	1	0	20.60	20.60	20.56	20.53		
5	64QAM	1	12	20.46	20.60	20.52	20.47		
5	64QAM	1	24	20.42	20.58	20.49	20.51	21	1.4
5	64QAM	12	0	19.58	19.75	19.62	19.62		
5	64QAM	12	7	19.65	19.64	19.60	19.45		
5	64QAM	12	13	19.52	19.56	19.55	19.58	19	3.4
5	64QAM	25	0	19.63	19.70	19.60	19.66		
5	256QAM	1	0	17.49	17.64	17.56	17.52		
5	256QAM	1	12	17.54	17.62	17.60	17.50	19	3.4
5	256QAM	1	24	17.41	17.58	17.44	17.31		
5	256QAM	12	0	17.62	17.80	17.68	17.64		
5	256QAM	12	7	17.62	17.67	17.65	17.61	19	3.4
5	256QAM	12	13	17.69	17.80	17.59	17.70		
5	256QAM	25	0	17.66	17.76	17.72	17.58		



Reduced Power Mode for DSI 1

Band 38 Ant2 Default

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	23.79	23.90	23.88	25	0
20	QPSK	1	49	23.68	23.83	23.77		
20	QPSK	1	99	23.71	23.88	23.71		
20	QPSK	50	0	22.88	23.00	22.86	24	1
20	QPSK	50	24	22.90	22.95	22.78		
20	QPSK	50	50	22.80	22.85	22.70		
20	QPSK	100	0	22.79	22.91	22.88		
20	16QAM	1	0	22.92	23.06	23.01	24	1
20	16QAM	1	49	22.90	22.97	22.86		
20	16QAM	1	99	22.87	22.99	22.84		
20	16QAM	50	0	21.92	21.99	21.83	23	2
20	16QAM	50	24	21.81	21.88	21.81		
20	16QAM	50	50	21.85	21.90	21.75		
20	16QAM	100	0	21.76	21.92	21.85		
20	64QAM	1	0	21.65	21.79	21.73		
20	64QAM	1	49	21.56	21.62	21.58	23	2
20	64QAM	1	99	21.62	21.69	21.61		
20	64QAM	50	0	20.97	21.00	20.94		
20	64QAM	50	24	20.68	20.83	20.76	22	3
20	64QAM	50	50	20.79	20.89	20.78		
20	64QAM	100	0	20.87	20.93	20.77		
20	256QAM	1	0	18.72	18.99	18.80		
20	256QAM	1	49	18.82	18.84	18.87	20	5
20	256QAM	1	99	18.86	18.84	18.82		
20	256QAM	50	0	19.00	19.09	18.98		
20	256QAM	50	24	18.85	18.95	18.82	20	5
20	256QAM	50	50	18.97	18.95	18.84		
20	256QAM	100	0	18.94	18.94	18.88		
Channel				37825	38000	38175		
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.62	23.76	23.75	25	0
15	QPSK	1	37	23.59	23.67	23.63		
15	QPSK	1	74	23.55	23.76	23.56		
15	QPSK	36	0	22.77	22.97	22.69	24	1
15	QPSK	36	20	22.84	22.88	22.70		
15	QPSK	36	39	22.67	22.83	22.57		
15	QPSK	75	0	22.70	22.76	22.75		
15	16QAM	1	0	22.84	22.97	22.92	24	1
15	16QAM	1	37	22.75	22.87	22.78		



15	16QAM	1	74	22.71	22.94	22.77		
15	16QAM	36	0	21.84	21.91	21.70	23	2
15	16QAM	36	20	21.74	21.76	21.77		
15	16QAM	36	39	21.77	21.81	21.63		
15	16QAM	75	0	21.63	21.79	21.80	23	2
15	64QAM	1	0	21.51	21.69	21.69		
15	64QAM	1	37	21.42	21.47	21.54		
15	64QAM	1	74	21.58	21.62	21.55	22	3
15	64QAM	36	0	20.82	20.95	20.83		
15	64QAM	36	20	20.54	20.76	20.62		
15	64QAM	36	39	20.64	20.85	20.65	20	5
15	64QAM	75	0	20.72	20.79	20.70		
15	256QAM	1	0	18.75	18.99	18.82		
15	256QAM	1	37	18.80	18.77	18.88	20	5
15	256QAM	1	74	18.90	18.94	18.81		
15	256QAM	36	0	18.99	19.08	18.97		
15	256QAM	36	20	18.93	18.98	18.83	20	5
15	256QAM	36	39	18.91	18.98	18.91		
15	256QAM	75	0	18.85	19.02	18.93		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.69	23.81	23.76	25	0
10	QPSK	1	25	23.62	23.66	23.67		
10	QPSK	1	49	23.57	23.72	23.56		
10	QPSK	25	0	22.76	22.91	22.82	24	1
10	QPSK	25	12	22.86	22.90	22.70		
10	QPSK	25	25	22.66	22.78	22.63		
10	QPSK	50	0	22.77	22.77	22.83	24	1
10	16QAM	1	0	22.90	23.03	22.95		
10	16QAM	1	25	22.79	22.88	22.78		
10	16QAM	1	49	22.84	22.91	22.67	23	2
10	16QAM	25	0	21.87	21.83	21.71		
10	16QAM	25	12	21.77	21.83	21.75		
10	16QAM	25	25	21.70	21.80	21.63	23	2
10	16QAM	50	0	21.73	21.86	21.79		
10	64QAM	1	0	21.61	21.67	21.64		
10	64QAM	1	25	21.50	21.54	21.44	23	2
10	64QAM	1	49	21.49	21.54	21.50		
10	64QAM	25	0	20.92	20.83	20.86		
10	64QAM	25	12	20.59	20.70	20.70	22	3
10	64QAM	25	25	20.67	20.82	20.62		
10	64QAM	50	0	20.70	20.82	20.75		
10	256QAM	1	0	18.75	18.88	18.78	20	5
10	256QAM	1	25	18.77	18.81	18.87		
10	256QAM	1	49	18.86	18.82	18.78		
10	256QAM	25	0	18.93	19.06	18.86	20	5
10	256QAM	25	12	18.84	18.89	18.87		
10	256QAM	25	25	18.94	18.95	18.86		
10	256QAM	50	0	18.94	18.91	18.87		



Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.76	23.75	23.77	25	0
5	QPSK	1	12	23.60	23.76	23.66		
5	QPSK	1	24	23.55	23.79	23.57		
5	QPSK	12	0	22.77	22.92	22.74	24	1
5	QPSK	12	7	22.74	22.86	22.70		
5	QPSK	12	13	22.77	22.76	22.53		
5	QPSK	25	0	22.75	22.82	22.72	24	1
5	16QAM	1	0	22.80	23.00	22.92		
5	16QAM	1	12	22.81	22.90	22.84		
5	16QAM	1	24	22.81	22.87	22.76	23	2
5	16QAM	12	0	21.83	21.91	21.67		
5	16QAM	12	7	21.76	21.84	21.78		
5	16QAM	12	13	21.82	21.78	21.61	23	2
5	16QAM	12	13	21.82	21.78	21.61		
5	16QAM	25	0	21.71	21.81	21.69		
5	64QAM	1	0	21.56	21.69	21.66	23	2
5	64QAM	1	12	21.50	21.56	21.47		
5	64QAM	1	24	21.55	21.59	21.50		
5	64QAM	12	0	20.80	20.95	20.86	22	3
5	64QAM	12	7	20.64	20.68	20.71		
5	64QAM	12	13	20.74	20.87	20.70		
5	64QAM	25	0	20.83	20.86	20.62	20	5
5	256QAM	1	0	18.77	18.91	18.91		
5	256QAM	1	12	18.80	18.80	18.87		
5	256QAM	1	24	18.81	18.83	18.67	20	5
5	256QAM	12	0	18.96	18.99	18.87		
5	256QAM	12	7	18.89	18.97	18.85		
5	256QAM	12	13	18.86	18.99	18.83	20	5
5	256QAM	25	0	18.92	18.95	18.85		



Band 41 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.59	23.61	23.93	23.79	23.72	25	0
20	QPSK	1	49	23.62	23.69	23.76	23.64	23.60		
20	QPSK	1	99	23.80	23.80	23.84	23.70	23.67		
20	QPSK	50	0	22.91	22.89	22.99	22.94	22.85	24	1
20	QPSK	50	24	22.82	22.77	22.90	22.77	22.77		
20	QPSK	50	50	22.80	22.81	22.87	22.85	22.78		
20	QPSK	100	0	22.77	22.78	22.91	22.84	22.82	24	1
20	16QAM	1	0	23.04	23.02	23.06	22.92	23.04		
20	16QAM	1	49	22.85	22.99	23.04	22.91	22.96		
20	16QAM	1	99	22.94	22.87	23.02	22.85	22.79	23	2
20	16QAM	50	0	21.93	21.98	22.03	21.89	21.93		
20	16QAM	50	24	21.93	21.78	21.88	21.74	21.93		
20	16QAM	50	50	21.83	21.91	21.95	21.81	21.83	23	2
20	16QAM	100	0	21.83	21.86	21.94	21.81	21.92		
20	64QAM	1	0	21.68	21.60	21.74	21.61	21.59		
20	64QAM	1	49	21.52	21.45	21.61	21.53	21.62	23	2
20	64QAM	1	99	21.53	21.63	21.70	21.63	21.50		
20	64QAM	50	0	20.92	20.89	21.02	20.86	20.95		
20	64QAM	50	24	20.80	20.87	20.92	20.77	20.82	22	3
20	64QAM	50	50	20.87	20.79	20.90	20.77	20.88		
20	64QAM	100	0	20.86	20.77	20.92	20.82	20.79		
20	256QAM	1	0	18.64	18.64	18.98	18.83	18.77	20	5
20	256QAM	1	49	18.69	18.69	18.83	18.66	18.67		
20	256QAM	1	99	18.80	18.84	18.88	18.70	18.73		
20	256QAM	50	0	18.95	18.90	18.97	18.95	18.86	20	5
20	256QAM	50	24	18.88	18.76	18.95	18.83	18.84		
20	256QAM	50	50	18.76	18.88	18.97	18.87	18.82		
20	256QAM	100	0	18.74	18.87	18.90	18.83	18.85		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.56	23.57	23.91	23.62	23.63	25	0
15	QPSK	1	37	23.48	23.67	23.73	23.59	23.53		
15	QPSK	1	74	23.64	23.76	23.82	23.67	23.59		
15	QPSK	36	0	22.84	22.78	22.97	22.83	22.72	24	1
15	QPSK	36	20	22.69	22.70	22.76	22.70	22.63		
15	QPSK	36	39	22.76	22.77	22.81	22.78	22.73		
15	QPSK	75	0	22.63	22.72	22.82	22.80	22.65	24	1
15	16QAM	1	0	23.00	22.89	23.03	22.87	22.88		
15	16QAM	1	37	22.72	22.82	22.93	22.85	22.83		



FCC SAR Test Report

Report No. : FA311602

15	16QAM	1	74	22.86	22.82	22.95	22.79	22.65		
15	16QAM	36	0	21.86	21.93	22.00	21.82	21.90	23	2
15	16QAM	36	20	21.87	21.73	21.83	21.68	21.85		
15	16QAM	36	39	21.67	21.87	21.90	21.79	21.66		
15	16QAM	75	0	21.71	21.73	21.87	21.75	21.77		
15	64QAM	1	0	21.65	21.54	21.67	21.49	21.45	23	2
15	64QAM	1	37	21.41	21.40	21.56	21.38	21.58		
15	64QAM	1	74	21.42	21.48	21.64	21.49	21.34		
15	64QAM	36	0	20.81	20.78	20.90	20.74	20.91	22	3
15	64QAM	36	20	20.77	20.79	20.77	20.64	20.79		
15	64QAM	36	39	20.77	20.67	20.79	20.71	20.84		
15	64QAM	75	0	20.77	20.75	20.83	20.78	20.71		
15	256QAM	1	0	18.58	18.61	18.92	18.82	18.69	20	5
15	256QAM	1	37	18.67	18.74	18.83	18.73	18.63		
15	256QAM	1	74	18.81	18.80	18.84	18.76	18.69		
15	256QAM	36	0	18.87	18.85	19.06	18.89	18.92	20	5
15	256QAM	36	20	18.81	18.73	18.94	18.77	18.86		
15	256QAM	36	39	18.75	18.85	18.87	18.84	18.84		
15	256QAM	75	0	18.87	18.81	18.98	18.83	18.87		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.44	23.49	23.80	23.67	23.56	25.00	0
10	QPSK	1	25	23.53	23.58	23.65	23.49	23.45		
10	QPSK	1	49	23.70	23.72	23.79	23.59	23.52		
10	QPSK	25	0	22.74	22.77	22.95	22.85	22.77	24	1
10	QPSK	25	12	22.74	22.63	22.78	22.64	22.60		
10	QPSK	25	25	22.72	22.64	22.83	22.76	22.69		
10	QPSK	50	0	22.65	22.71	22.86	22.69	22.68		
10	16QAM	1	0	23.01	22.98	22.93	22.82	22.96	24	1
10	16QAM	1	25	22.78	22.86	22.99	22.80	22.88		
10	16QAM	1	49	22.85	22.80	22.94	22.68	22.68		
10	16QAM	25	0	21.79	21.88	21.89	21.78	21.82	23	2
10	16QAM	25	12	21.87	21.70	21.82	21.64	21.80		
10	16QAM	25	25	21.74	21.77	21.83	21.77	21.75		
10	16QAM	50	0	21.70	21.82	21.80	21.71	21.85		
10	64QAM	1	0	21.60	21.47	21.64	21.50	21.45	23	2
10	64QAM	1	25	21.38	21.33	21.56	21.44	21.47		
10	64QAM	1	49	21.47	21.51	21.58	21.61	21.42		
10	64QAM	25	0	20.76	20.75	20.94	20.76	20.79	22	3
10	64QAM	25	12	20.70	20.83	20.88	20.69	20.75		
10	64QAM	25	25	20.79	20.63	20.75	20.62	20.86		
10	64QAM	50	0	20.79	20.63	20.84	20.68	20.74		
10	256QAM	1	0	18.62	18.67	18.92	18.75	18.73	20	5
10	256QAM	1	25	18.70	18.71	18.76	18.60	18.66		
10	256QAM	1	49	18.81	18.79	18.80	18.69	18.76		
10	256QAM	25	0	19.01	18.97	18.99	18.97	18.89	20	5
10	256QAM	25	12	18.90	18.75	18.93	18.75	18.86		
10	256QAM	25	25	18.84	18.81	18.93	18.82	18.84		
10	256QAM	50	0	18.87	18.79	18.89	18.84	18.89		



Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.54	23.47	23.88	23.69	23.66	25.00	0
5	QPSK	1	12	23.50	23.58	23.72	23.60	23.57		
5	QPSK	1	24	23.71	23.63	23.72	23.54	23.58		
5	QPSK	12	0	22.84	22.73	22.88	22.77	22.82	24	1
5	QPSK	12	7	22.67	22.70	22.75	22.67	22.74		
5	QPSK	12	13	22.66	22.66	22.75	22.80	22.71		
5	QPSK	25	0	22.70	22.75	22.80	22.77	22.74	24	1
5	16QAM	1	0	22.98	22.98	22.93	22.78	22.99		
5	16QAM	1	12	22.71	22.97	22.88	22.84	22.87		
5	16QAM	1	24	22.80	22.83	22.93	22.69	22.69	23	2
5	16QAM	12	0	21.89	21.88	21.97	21.74	21.90		
5	16QAM	12	7	21.78	21.63	21.72	21.59	21.87		
5	16QAM	12	13	21.78	21.80	21.88	21.76	21.73	22	3
5	16QAM	25	0	21.68	21.73	21.83	21.71	21.84		
5	64QAM	1	0	21.53	21.44	21.69	21.46	21.49		
5	64QAM	1	12	21.38	21.29	21.55	21.43	21.49	23	2
5	64QAM	1	24	21.46	21.55	21.55	21.50	21.46		
5	64QAM	12	0	20.83	20.72	20.98	20.69	20.89		
5	64QAM	12	7	20.73	20.81	20.82	20.75	20.68	20	5
5	64QAM	12	13	20.79	20.64	20.80	20.63	20.86		
5	64QAM	25	0	20.84	20.68	20.78	20.75	20.77		
5	256QAM	1	0	18.55	18.67	18.93	18.85	18.80	20	5
5	256QAM	1	12	18.71	18.73	18.80	18.65	18.70		
5	256QAM	1	24	18.78	18.84	18.92	18.72	18.76		
5	256QAM	12	0	18.89	18.93	18.96	18.97	18.86	20	5
5	256QAM	12	7	18.78	18.79	18.91	18.77	18.76		
5	256QAM	12	13	18.76	18.78	18.83	18.86	18.85		
5	256QAM	25	0	18.75	18.79	18.90	18.87	18.81		



Band 41 HPUE Ant2 Default

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	25.54	25.56	25.88	25.70	25.63	27	0
20	QPSK	1	49	25.52	25.61	25.65	25.53	25.62		
20	QPSK	1	99	25.68	25.73	25.78	25.66	25.75		
20	QPSK	50	0	24.91	24.82	24.98	24.89	24.84	26	1
20	QPSK	50	24	24.75	24.86	24.88	24.73	24.85		
20	QPSK	50	50	24.70	24.72	24.82	24.75	24.71		
20	QPSK	100	0	24.78	24.82	24.86	24.69	24.83	26	1
20	16QAM	1	0	24.91	24.97	25.06	24.97	24.95		
20	16QAM	1	49	24.78	24.91	25.02	24.91	24.85		
20	16QAM	1	99	24.85	24.79	24.91	24.80	24.83	25	2
20	16QAM	50	0	23.87	23.83	23.91	23.83	23.85		
20	16QAM	50	24	23.72	23.68	23.79	23.76	23.73		
20	16QAM	50	50	23.70	23.84	23.88	23.74	23.80	25	2
20	16QAM	100	0	23.81	23.87	23.96	23.93	23.93		
20	64QAM	1	0	23.84	23.75	23.89	23.74	23.78		
20	64QAM	1	49	23.72	23.82	23.86	23.80	23.65	25	2
20	64QAM	1	99	23.72	23.72	23.87	23.73	23.76		
20	64QAM	50	0	22.87	22.87	22.97	22.92	22.86		
20	64QAM	50	24	22.81	22.86	22.94	22.87	22.73	24	3
20	64QAM	50	50	22.66	22.83	22.87	22.73	22.83		
20	64QAM	100	0	22.83	22.76	22.89	22.72	22.86		
20	256QAM	1	0	20.63	20.59	20.88	20.77	20.65	22	5
20	256QAM	1	49	20.61	20.56	20.74	20.59	20.65		
20	256QAM	1	99	20.68	20.74	20.77	20.62	20.71		
20	256QAM	50	0	20.97	20.83	21.06	20.97	20.87	22	5
20	256QAM	50	24	20.80	20.85	20.93	20.79	20.91		
20	256QAM	50	50	20.75	20.72	20.83	20.70	20.74		
20	256QAM	100	0	20.86	20.79	20.91	20.74	20.84		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	25.40	25.50	25.71	25.61	25.56	27	0
15	QPSK	1	37	25.38	25.58	25.50	25.42	25.52		
15	QPSK	1	74	25.60	25.71	25.74	25.60	25.66		
15	QPSK	36	0	24.83	24.68	24.83	24.81	24.69	26	1
15	QPSK	36	20	24.62	24.78	24.72	24.60	24.68		
15	QPSK	36	39	24.64	24.69	24.75	24.66	24.55		
15	QPSK	75	0	24.66	24.78	24.71	24.64	24.76	26	1
15	16QAM	1	0	24.83	24.85	24.91	24.86	24.87		
15	16QAM	1	37	24.64	24.77	24.98	24.85	24.69		



FCC SAR Test Report

Report No. : FA311602

15	16QAM	1	74	24.79	24.63	24.85	24.76	24.72		
15	16QAM	36	0	23.74	23.77	23.86	23.70	23.77	25	2
15	16QAM	36	20	23.61	23.58	23.62	23.68	23.66		
15	16QAM	36	39	23.55	23.70	23.75	23.71	23.64		
15	16QAM	75	0	23.77	23.84	23.91	23.89	23.84	25	2
15	64QAM	1	0	23.79	23.65	23.76	23.69	23.67		
15	64QAM	1	37	23.63	23.73	23.81	23.72	23.53		
15	64QAM	1	74	23.56	23.59	23.78	23.58	23.72	24	3
15	64QAM	36	0	22.72	22.80	22.95	22.86	22.73		
15	64QAM	36	20	22.78	22.78	22.91	22.72	22.66		
15	64QAM	36	39	22.59	22.67	22.79	22.68	22.76	22	5
15	64QAM	75	0	22.77	22.61	22.80	22.65	22.71		
15	256QAM	1	0	20.56	20.63	20.86	20.67	20.62		
15	256QAM	1	37	20.48	20.64	20.60	20.50	20.61	22	5
15	256QAM	1	74	20.75	20.78	20.84	20.73	20.74		
15	256QAM	36	0	20.94	20.80	20.96	20.94	20.94		
15	256QAM	36	20	20.73	20.82	20.97	20.69	20.83	22	5
15	256QAM	36	39	20.78	20.71	20.83	20.75	20.68		
15	256QAM	75	0	20.77	20.77	20.85	20.66	20.85		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	25.45	25.44	25.83	25.64	25.50	27.00	0
10	QPSK	1	25	25.46	25.49	25.55	25.50	25.52		
10	QPSK	1	49	25.55	25.61	25.70	25.59	25.65		
10	QPSK	25	0	24.74	24.79	24.84	24.85	24.77	26	1
10	QPSK	25	12	24.72	24.77	24.85	24.70	24.73		
10	QPSK	25	25	24.61	24.66	24.68	24.70	24.55		
10	QPSK	50	0	24.68	24.75	24.82	24.56	24.74	26	1
10	16QAM	1	0	24.83	24.83	24.90	24.89	24.86		
10	16QAM	1	25	24.71	24.80	24.96	24.79	24.78		
10	16QAM	1	49	24.81	24.67	24.80	24.75	24.76	25	2
10	16QAM	25	0	23.71	23.81	23.84	23.79	23.73		
10	16QAM	25	12	23.61	23.66	23.64	23.67	23.63		
10	16QAM	25	25	23.67	23.72	23.85	23.59	23.67	25	2
10	16QAM	50	0	23.66	23.83	23.84	23.90	23.79		
10	64QAM	1	0	23.80	23.67	23.78	23.68	23.62		
10	64QAM	1	25	23.55	23.67	23.80	23.74	23.53	24	3
10	64QAM	1	49	23.67	23.59	23.73	23.65	23.67		
10	64QAM	25	0	22.81	22.72	22.86	22.89	22.79		
10	64QAM	25	12	22.77	22.75	22.85	22.73	22.70	22	5
10	64QAM	25	25	22.57	22.66	22.74	22.60	22.72		
10	64QAM	50	0	22.78	22.67	22.77	22.56	22.79		
10	256QAM	1	0	20.63	20.62	20.88	20.72	20.61	22	5
10	256QAM	1	25	20.62	20.64	20.62	20.58	20.69		
10	256QAM	1	49	20.77	20.82	20.83	20.76	20.84		
10	256QAM	25	0	20.91	20.87	21.02	20.93	20.91	22	5
10	256QAM	25	12	20.77	20.86	20.88	20.75	20.87		
10	256QAM	25	25	20.70	20.78	20.91	20.84	20.66		
10	256QAM	50	0	20.79	20.83	20.88	20.71	20.80		



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	25.45	25.45	25.78	25.68	25.47	27.00	0
5	QPSK	1	12	25.47	25.47	25.51	25.50	25.57		
5	QPSK	1	24	25.65	25.56	25.70	25.50	25.60		
5	QPSK	12	0	24.75	24.79	24.91	24.84	24.76	26	1
5	QPSK	12	7	24.72	24.77	24.71	24.62	24.69		
5	QPSK	12	13	24.57	24.55	24.67	24.70	24.63		
5	QPSK	25	0	24.73	24.70	24.74	24.54	24.66		
5	16QAM	1	0	24.74	24.94	25.00	24.84	24.86	26	1
5	16QAM	1	12	24.74	24.74	24.95	24.78	24.79		
5	16QAM	1	24	24.80	24.77	24.80	24.74	24.71		
5	16QAM	12	0	23.73	23.70	23.80	23.74	23.72	25	2
5	16QAM	12	7	23.58	23.59	23.68	23.68	23.64		
5	16QAM	12	13	23.61	23.70	23.79	23.64	23.77		
5	16QAM	25	0	23.76	23.82	23.93	23.90	23.78		
5	64QAM	1	0	23.71	23.58	23.73	23.63	23.74	25	2
5	64QAM	1	12	23.56	23.73	23.71	23.63	23.51		
5	64QAM	1	24	23.63	23.60	23.83	23.60	23.65		
5	64QAM	12	0	22.76	22.79	22.81	22.83	22.75	24	3
5	64QAM	12	7	22.77	22.72	22.80	22.80	22.58		
5	64QAM	12	13	22.61	22.75	22.75	22.57	22.66		
5	64QAM	25	0	22.75	22.68	22.85	22.68	22.79		
5	256QAM	1	0	20.52	20.56	20.89	20.78	20.69	22	5
5	256QAM	1	12	20.56	20.67	20.65	20.55	20.59		
5	256QAM	1	24	20.75	20.74	20.87	20.68	20.84		
5	256QAM	12	0	20.90	20.92	21.00	20.93	20.91	22	5
5	256QAM	12	7	20.73	20.94	20.94	20.81	20.88		
5	256QAM	12	13	20.71	20.78	20.83	20.84	20.73		
5	256QAM	25	0	20.84	20.82	20.96	20.66	20.85		



Band 48_FCC Ant5 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				55340	55830	56150	56640				
Frequency (MHz)				3560	3609	3641	3690				
20	QPSK	1	0	20.56	20.78	20.59	20.59	21.9	0		
20	QPSK	1	49	20.39	20.62	20.41	20.60				
20	QPSK	1	99	20.37	20.72	20.39	20.40				
20	QPSK	50	0	20.23	20.65	20.36	20.29	21.9	0		
20	QPSK	50	24	20.35	20.49	20.47	20.50				
20	QPSK	50	50	20.43	20.56	20.47	20.55				
20	QPSK	100	0	20.53	20.59	20.49	20.35	21.9	0		
20	16QAM	1	0	20.33	20.57	20.29	20.65				
20	16QAM	1	49	20.57	20.28	20.52	20.52				
20	16QAM	1	99	20.59	20.60	20.74	20.50	21.9	0		
20	16QAM	50	0	20.72	20.75	20.65	20.67				
20	16QAM	50	24	20.54	20.66	20.69	20.50				
20	16QAM	50	50	20.48	20.65	20.68	20.55	21.9	0		
20	16QAM	100	0	20.72	20.77	20.70	20.62				
20	64QAM	1	0	20.71	20.75	20.59	20.63				
20	64QAM	1	49	20.58	20.70	20.55	20.58	21.9	0		
20	64QAM	1	99	20.57	20.63	20.58	20.59				
20	64QAM	50	0	19.66	19.79	19.77	19.65				
20	64QAM	50	24	19.73	19.77	19.65	19.59	21	0.9		
20	64QAM	50	50	19.60	19.71	19.64	19.64				
20	64QAM	100	0	19.74	19.78	19.63	19.72				
20	256QAM	1	0	17.39	17.60	17.61	17.46	19	2.9		
20	256QAM	1	49	17.55	17.59	17.55	17.40				
20	256QAM	1	99	17.40	17.52	17.44	17.29				
20	256QAM	50	0	17.61	17.72	17.61	17.59	19	2.9		
20	256QAM	50	24	17.56	17.82	17.57	17.66				
20	256QAM	50	50	17.74	17.82	17.55	17.77				
20	256QAM	100	0	17.76	17.79	17.70	17.59	21.9	0		
Channel				55315	55820	56160	56665			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5				
15	QPSK	1	0	20.34	20.48	20.42	20.31	21.9	0		
15	QPSK	1	37	20.12	20.38	20.14	20.37				
15	QPSK	1	74	20.17	20.42	20.12	20.28				
15	QPSK	36	0	20.04	20.44	20.17	19.98	21.9	0		
15	QPSK	36	20	20.19	20.33	20.24	20.37				
15	QPSK	36	39	20.27	20.35	20.26	20.34				
15	QPSK	75	0	20.21	20.24	20.50	20.26	21.9	0		
15	16QAM	1	0	20.15	20.40	20.17	20.44				
15	16QAM	1	37	20.27	20.13	20.29	20.33				
15	16QAM	1	74	20.40	20.49	20.56	20.35				



FCC SAR Test Report

Report No. : FA311602

15	16QAM	36	0	20.64	20.71	20.55	20.54	21.9	0
15	16QAM	36	20	20.41	20.49	20.66	20.41		
15	16QAM	36	39	20.39	20.49	20.54	20.40		
15	16QAM	75	0	20.67	20.64	20.53	20.56	21.9	0
15	64QAM	1	0	20.61	20.69	20.49	20.59		
15	64QAM	1	37	20.48	20.62	20.50	20.44		
15	64QAM	1	74	20.47	20.54	20.46	20.45	21	0.9
15	64QAM	36	0	19.61	19.77	19.71	19.62		
15	64QAM	36	20	19.61	19.67	19.55	19.50		
15	64QAM	36	39	19.48	19.69	19.59	19.50		
15	64QAM	75	0	19.61	19.71	19.60	19.68	19	2.9
15	256QAM	1	0	17.49	17.68	17.52	17.53		
15	256QAM	1	37	17.49	17.60	17.47	17.51		
15	256QAM	1	74	17.44	17.54	17.42	17.35	19	2.9
15	256QAM	36	0	17.63	17.81	17.63	17.66		
15	256QAM	36	20	17.52	17.77	17.62	17.64		
15	256QAM	36	39	17.76	17.73	17.58	17.64		
15	256QAM	75	0	17.72	17.78	17.80	17.70	Tune-up limit (dBm)	MPR (dB)
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	20.48	20.65	20.36	20.39	21.9	0
10	QPSK	1	25	20.29	20.33	20.21	20.30		
10	QPSK	1	49	20.19	20.59	20.22	20.26		
10	QPSK	25	0	20.10	20.40	20.13	20.17	21.9	0
10	QPSK	25	12	20.08	20.37	20.27	20.38		
10	QPSK	25	25	20.23	20.34	20.38	20.25		
10	QPSK	50	0	20.34	20.20	20.32	20.10		
10	16QAM	1	0	20.24	20.33	20.17	20.42	21.9	0
10	16QAM	1	25	20.29	20.12	20.33	20.42		
10	16QAM	1	49	20.38	20.39	20.50	20.37		
10	16QAM	25	0	20.57	20.69	20.56	20.64	21.9	0
10	16QAM	25	12	20.38	20.50	20.55	20.33		
10	16QAM	25	25	20.41	20.50	20.60	20.49		
10	16QAM	50	0	20.60	20.73	20.59	20.56		
10	64QAM	1	0	20.68	20.69	20.52	20.58	21.9	0
10	64QAM	1	25	20.54	20.61	20.42	20.52		
10	64QAM	1	49	20.40	20.53	20.51	20.52		
10	64QAM	25	0	19.50	19.71	19.67	19.58	21	0.9
10	64QAM	25	12	19.62	19.61	19.50	19.50		
10	64QAM	25	25	19.58	19.67	19.57	19.49		
10	64QAM	50	0	19.65	19.62	19.59	19.57		
10	256QAM	1	0	17.49	17.65	17.53	17.52	19	2.9
10	256QAM	1	25	17.48	17.51	17.54	17.41		
10	256QAM	1	49	17.36	17.54	17.50	17.32		
10	256QAM	25	0	17.70	17.74	17.64	17.66	19	2.9
10	256QAM	25	12	17.60	17.69	17.56	17.76		
10	256QAM	25	25	17.70	17.80	17.53	17.76		
10	256QAM	50	0	17.75	17.80	17.78	17.67		
Channel				55265	55810	56170	56715	Tune-up	MPR



Frequency (MHz)				3552.5	3607	3643	3697.5	limit (dBm)	(dB)
5	QPSK	1	0	20.33	20.48	20.31	20.32	21.9	0
5	QPSK	1	12	20.16	20.42	20.22	20.45		
5	QPSK	1	24	20.08	20.52	20.25	20.25		
5	QPSK	12	0	20.14	20.50	20.21	20.15	21.9	0
5	QPSK	12	7	20.25	20.29	20.17	20.21		
5	QPSK	12	13	20.24	20.47	20.24	20.37		
5	QPSK	25	0	20.29	20.38	20.37	20.21	21.9	0
5	16QAM	1	0	20.19	20.28	20.17	20.52		
5	16QAM	1	12	20.46	20.11	20.34	20.40		
5	16QAM	1	24	20.47	20.48	20.59	20.18	21.9	0
5	16QAM	12	0	20.60	20.73	20.52	20.54		
5	16QAM	12	7	20.48	20.51	20.67	20.35		
5	16QAM	12	13	20.37	20.48	20.52	20.45	21.9	0
5	16QAM	25	0	20.65	20.71	20.54	20.59		
5	64QAM	1	0	20.60	20.60	20.56	20.53		
5	64QAM	1	12	20.46	20.60	20.52	20.47	21.9	0
5	64QAM	1	24	20.42	20.58	20.49	20.51		
5	64QAM	12	0	19.58	19.75	19.62	19.62		
5	64QAM	12	7	19.65	19.64	19.60	19.45	21	0.9
5	64QAM	12	13	19.52	19.56	19.55	19.58		
5	64QAM	25	0	19.63	19.70	19.60	19.66		
5	256QAM	1	0	17.49	17.64	17.56	17.52	19	2.9
5	256QAM	1	12	17.54	17.62	17.60	17.50		
5	256QAM	1	24	17.41	17.58	17.44	17.31		
5	256QAM	12	0	17.62	17.80	17.68	17.64	19	2.9
5	256QAM	12	7	17.62	17.67	17.65	17.61		
5	256QAM	12	13	17.69	17.80	17.59	17.70		
5	256QAM	25	0	17.66	17.76	17.72	17.58		



Reduced Power Mode for DSI 2

Band 38 Ant2 Default								
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	23.79	23.90	23.88	25	0
20	QPSK	1	49	23.68	23.83	23.77		
20	QPSK	1	99	23.71	23.88	23.71		
20	QPSK	50	0	22.88	23.00	22.86	24	1
20	QPSK	50	24	22.90	22.95	22.78		
20	QPSK	50	50	22.80	22.85	22.70		
20	QPSK	100	0	22.79	22.91	22.88	24	1
20	16QAM	1	0	22.92	23.06	23.01		
20	16QAM	1	49	22.90	22.97	22.86		
20	16QAM	1	99	22.87	22.99	22.84	23	2
20	16QAM	50	0	21.92	21.99	21.83		
20	16QAM	50	24	21.81	21.88	21.81		
20	16QAM	50	50	21.85	21.90	21.75	23	2
20	16QAM	100	0	21.76	21.92	21.85		
20	64QAM	1	0	21.65	21.79	21.73		
20	64QAM	1	49	21.56	21.62	21.58	23	2
20	64QAM	1	99	21.62	21.69	21.61		
20	64QAM	50	0	20.97	21.00	20.94		
20	64QAM	50	24	20.68	20.83	20.76	22	3
20	64QAM	50	50	20.79	20.89	20.78		
20	64QAM	100	0	20.87	20.93	20.77		
20	256QAM	1	0	18.72	18.99	18.80	20	5
20	256QAM	1	49	18.82	18.84	18.87		
20	256QAM	1	99	18.86	18.84	18.82		
20	256QAM	50	0	19.00	19.09	18.98	20	5
20	256QAM	50	24	18.85	18.95	18.82		
20	256QAM	50	50	18.97	18.95	18.84		
20	256QAM	100	0	18.94	18.94	18.88		
Channel				37825	38000	38175		
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.62	23.76	23.75	25	0
15	QPSK	1	37	23.59	23.67	23.63		
15	QPSK	1	74	23.55	23.76	23.56		
15	QPSK	36	0	22.77	22.97	22.69	24	1
15	QPSK	36	20	22.84	22.88	22.70		
15	QPSK	36	39	22.67	22.83	22.57		
15	QPSK	75	0	22.70	22.76	22.75	24	1
15	16QAM	1	0	22.84	22.97	22.92		
15	16QAM	1	37	22.75	22.87	22.78		
15	16QAM	1	74	22.71	22.94	22.77		



FCC SAR Test Report

Report No. : FA311602

15	16QAM	36	0	21.84	21.91	21.70	23	2
15	16QAM	36	20	21.74	21.76	21.77		
15	16QAM	36	39	21.77	21.81	21.63		
15	16QAM	75	0	21.63	21.79	21.80	23	2
15	64QAM	1	0	21.51	21.69	21.69		
15	64QAM	1	37	21.42	21.47	21.54		
15	64QAM	1	74	21.58	21.62	21.55	22	3
15	64QAM	36	0	20.82	20.95	20.83		
15	64QAM	36	20	20.54	20.76	20.62		
15	64QAM	36	39	20.64	20.85	20.65	20	5
15	64QAM	75	0	20.72	20.79	20.70		
15	256QAM	1	0	18.75	18.99	18.82		
15	256QAM	1	37	18.80	18.77	18.88	20	5
15	256QAM	1	74	18.90	18.94	18.81		
15	256QAM	36	0	18.99	19.08	18.97		
15	256QAM	36	20	18.93	18.98	18.83	20	5
15	256QAM	36	39	18.91	18.98	18.91		
15	256QAM	75	0	18.85	19.02	18.93		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.69	23.81	23.76	25	0
10	QPSK	1	25	23.62	23.66	23.67		
10	QPSK	1	49	23.57	23.72	23.56		
10	QPSK	25	0	22.76	22.91	22.82	24	1
10	QPSK	25	12	22.86	22.90	22.70		
10	QPSK	25	25	22.66	22.78	22.63		
10	QPSK	50	0	22.77	22.77	22.83	24	1
10	16QAM	1	0	22.90	23.03	22.95		
10	16QAM	1	25	22.79	22.88	22.78		
10	16QAM	1	49	22.84	22.91	22.67	23	2
10	16QAM	25	0	21.87	21.83	21.71		
10	16QAM	25	12	21.77	21.83	21.75		
10	16QAM	25	25	21.70	21.80	21.63	23	2
10	16QAM	50	0	21.73	21.86	21.79		
10	64QAM	1	0	21.61	21.67	21.64		
10	64QAM	1	25	21.50	21.54	21.44	23	2
10	64QAM	1	49	21.49	21.54	21.50		
10	64QAM	25	0	20.92	20.83	20.86		
10	64QAM	25	12	20.59	20.70	20.70	22	3
10	64QAM	25	25	20.67	20.82	20.62		
10	64QAM	50	0	20.70	20.82	20.75		
10	256QAM	1	0	18.75	18.88	18.78	20	5
10	256QAM	1	25	18.77	18.81	18.87		
10	256QAM	1	49	18.86	18.82	18.78		
10	256QAM	25	0	18.93	19.06	18.86	20	5
10	256QAM	25	12	18.84	18.89	18.87		
10	256QAM	25	25	18.94	18.95	18.86		
10	256QAM	50	0	18.94	18.91	18.87	20	5
Channel				37775	38000	38225		



Frequency (MHz)				2572.5	2595	2617.5	limit (dBm)	(dB)
5	QPSK	1	0	23.76	23.75	23.77	25	0
5	QPSK	1	12	23.60	23.76	23.66		
5	QPSK	1	24	23.55	23.79	23.57		
5	QPSK	12	0	22.77	22.92	22.74	24	1
5	QPSK	12	7	22.74	22.86	22.70		
5	QPSK	12	13	22.77	22.76	22.53		
5	QPSK	25	0	22.75	22.82	22.72		
5	16QAM	1	0	22.80	23.00	22.92	24	1
5	16QAM	1	12	22.81	22.90	22.84		
5	16QAM	1	24	22.81	22.87	22.76		
5	16QAM	12	0	21.83	21.91	21.67	23	2
5	16QAM	12	7	21.76	21.84	21.78		
5	16QAM	12	13	21.82	21.78	21.61		
5	16QAM	25	0	21.71	21.81	21.69		
5	64QAM	1	0	21.56	21.69	21.66	23	2
5	64QAM	1	12	21.50	21.56	21.47		
5	64QAM	1	24	21.55	21.59	21.50		
5	64QAM	12	0	20.80	20.95	20.86	22	3
5	64QAM	12	7	20.64	20.68	20.71		
5	64QAM	12	13	20.74	20.87	20.70		
5	64QAM	25	0	20.83	20.86	20.62		
5	256QAM	1	0	18.77	18.91	18.91	20	5
5	256QAM	1	12	18.80	18.80	18.87		
5	256QAM	1	24	18.81	18.83	18.67		
5	256QAM	12	0	18.96	18.99	18.87	20	5
5	256QAM	12	7	18.89	18.97	18.85		
5	256QAM	12	13	18.86	18.99	18.83		
5	256QAM	25	0	18.92	18.95	18.85		



Band 41 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.59	23.61	23.93	23.79	23.72	25	0
20	QPSK	1	49	23.62	23.69	23.76	23.64	23.60		
20	QPSK	1	99	23.80	23.80	23.84	23.70	23.67		
20	QPSK	50	0	22.91	22.89	22.99	22.94	22.85	24	1
20	QPSK	50	24	22.82	22.77	22.90	22.77	22.77		
20	QPSK	50	50	22.80	22.81	22.87	22.85	22.78		
20	QPSK	100	0	22.77	22.78	22.91	22.84	22.82		
20	16QAM	1	0	23.04	23.02	23.06	22.92	23.04	24	1
20	16QAM	1	49	22.85	22.99	23.04	22.91	22.96		
20	16QAM	1	99	22.94	22.87	23.02	22.85	22.79		
20	16QAM	50	0	21.93	21.98	22.03	21.89	21.93	23	2
20	16QAM	50	24	21.93	21.78	21.88	21.74	21.93		
20	16QAM	50	50	21.83	21.91	21.95	21.81	21.83		
20	16QAM	100	0	21.83	21.86	21.94	21.81	21.92		
20	64QAM	1	0	21.68	21.60	21.74	21.61	21.59	23	2
20	64QAM	1	49	21.52	21.45	21.61	21.53	21.62		
20	64QAM	1	99	21.53	21.63	21.70	21.63	21.50		
20	64QAM	50	0	20.92	20.89	21.02	20.86	20.95	22	3
20	64QAM	50	24	20.80	20.87	20.92	20.77	20.82		
20	64QAM	50	50	20.87	20.79	20.90	20.77	20.88		
20	64QAM	100	0	20.86	20.77	20.92	20.82	20.79		
20	256QAM	1	0	18.64	18.64	18.98	18.83	18.77	20	5
20	256QAM	1	49	18.69	18.69	18.83	18.66	18.67		
20	256QAM	1	99	18.80	18.84	18.88	18.70	18.73		
20	256QAM	50	0	18.95	18.90	18.97	18.95	18.86	20	5
20	256QAM	50	24	18.88	18.76	18.95	18.83	18.84		
20	256QAM	50	50	18.76	18.88	18.97	18.87	18.82		
20	256QAM	100	0	18.74	18.87	18.90	18.83	18.85		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.56	23.57	23.91	23.62	23.63	25	0
15	QPSK	1	37	23.48	23.67	23.73	23.59	23.53		
15	QPSK	1	74	23.64	23.76	23.82	23.67	23.59		
15	QPSK	36	0	22.84	22.78	22.97	22.83	22.72	24	1
15	QPSK	36	20	22.69	22.70	22.76	22.70	22.63		
15	QPSK	36	39	22.76	22.77	22.81	22.78	22.73		
15	QPSK	75	0	22.63	22.72	22.82	22.80	22.65		
15	16QAM	1	0	23.00	22.89	23.03	22.87	22.88	24	1
15	16QAM	1	37	22.72	22.82	22.93	22.85	22.83		



FCC SAR Test Report

Report No. : FA311602

15	16QAM	1	74	22.86	22.82	22.95	22.79	22.65		
15	16QAM	36	0	21.86	21.93	22.00	21.82	21.90	23	2
15	16QAM	36	20	21.87	21.73	21.83	21.68	21.85		
15	16QAM	36	39	21.67	21.87	21.90	21.79	21.66		
15	16QAM	75	0	21.71	21.73	21.87	21.75	21.77		
15	64QAM	1	0	21.65	21.54	21.67	21.49	21.45	23	2
15	64QAM	1	37	21.41	21.40	21.56	21.38	21.58		
15	64QAM	1	74	21.42	21.48	21.64	21.49	21.34		
15	64QAM	36	0	20.81	20.78	20.90	20.74	20.91	22	3
15	64QAM	36	20	20.77	20.79	20.77	20.64	20.79		
15	64QAM	36	39	20.77	20.67	20.79	20.71	20.84		
15	64QAM	75	0	20.77	20.75	20.83	20.78	20.71		
15	256QAM	1	0	18.58	18.61	18.92	18.82	18.69	20	5
15	256QAM	1	37	18.67	18.74	18.83	18.73	18.63		
15	256QAM	1	74	18.81	18.80	18.84	18.76	18.69		
15	256QAM	36	0	18.87	18.85	19.06	18.89	18.92	20	5
15	256QAM	36	20	18.81	18.73	18.94	18.77	18.86		
15	256QAM	36	39	18.75	18.85	18.87	18.84	18.84		
15	256QAM	75	0	18.87	18.81	18.98	18.83	18.87		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.44	23.49	23.80	23.67	23.56	25.00	0
10	QPSK	1	25	23.53	23.58	23.65	23.49	23.45		
10	QPSK	1	49	23.70	23.72	23.79	23.59	23.52		
10	QPSK	25	0	22.74	22.77	22.95	22.85	22.77	24	1
10	QPSK	25	12	22.74	22.63	22.78	22.64	22.60		
10	QPSK	25	25	22.72	22.64	22.83	22.76	22.69		
10	QPSK	50	0	22.65	22.71	22.86	22.69	22.68		
10	16QAM	1	0	23.01	22.98	22.93	22.82	22.96	24	1
10	16QAM	1	25	22.78	22.86	22.99	22.80	22.88		
10	16QAM	1	49	22.85	22.80	22.94	22.68	22.68		
10	16QAM	25	0	21.79	21.88	21.89	21.78	21.82	23	2
10	16QAM	25	12	21.87	21.70	21.82	21.64	21.80		
10	16QAM	25	25	21.74	21.77	21.83	21.77	21.75		
10	16QAM	50	0	21.70	21.82	21.80	21.71	21.85		
10	64QAM	1	0	21.60	21.47	21.64	21.50	21.45	23	2
10	64QAM	1	25	21.38	21.33	21.56	21.44	21.47		
10	64QAM	1	49	21.47	21.51	21.58	21.61	21.42		
10	64QAM	25	0	20.76	20.75	20.94	20.76	20.79	22	3
10	64QAM	25	12	20.70	20.83	20.88	20.69	20.75		
10	64QAM	25	25	20.79	20.63	20.75	20.62	20.86		
10	64QAM	50	0	20.79	20.63	20.84	20.68	20.74		
10	256QAM	1	0	18.62	18.67	18.92	18.75	18.73	20	5
10	256QAM	1	25	18.70	18.71	18.76	18.60	18.66		
10	256QAM	1	49	18.81	18.79	18.80	18.69	18.76		
10	256QAM	25	0	19.01	18.97	18.99	18.97	18.89	20	5
10	256QAM	25	12	18.90	18.75	18.93	18.75	18.86		
10	256QAM	25	25	18.84	18.81	18.93	18.82	18.84		
10	256QAM	50	0	18.87	18.79	18.89	18.84	18.89		



Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.54	23.47	23.88	23.69	23.66	25.00	0
5	QPSK	1	12	23.50	23.58	23.72	23.60	23.57		
5	QPSK	1	24	23.71	23.63	23.72	23.54	23.58		
5	QPSK	12	0	22.84	22.73	22.88	22.77	22.82	24	1
5	QPSK	12	7	22.67	22.70	22.75	22.67	22.74		
5	QPSK	12	13	22.66	22.66	22.75	22.80	22.71		
5	QPSK	25	0	22.70	22.75	22.80	22.77	22.74	24	1
5	16QAM	1	0	22.98	22.98	22.93	22.78	22.99		
5	16QAM	1	12	22.71	22.97	22.88	22.84	22.87		
5	16QAM	1	24	22.80	22.83	22.93	22.69	22.69	23	2
5	16QAM	12	0	21.89	21.88	21.97	21.74	21.90		
5	16QAM	12	7	21.78	21.63	21.72	21.59	21.87		
5	16QAM	12	13	21.78	21.80	21.88	21.76	21.73	22	3
5	16QAM	25	0	21.68	21.73	21.83	21.71	21.84		
5	64QAM	1	0	21.53	21.44	21.69	21.46	21.49		
5	64QAM	1	12	21.38	21.29	21.55	21.43	21.49	20	5
5	64QAM	1	24	21.46	21.55	21.55	21.50	21.46		
5	64QAM	12	0	20.83	20.72	20.98	20.69	20.89		
5	64QAM	12	7	20.73	20.81	20.82	20.75	20.68	20	5
5	64QAM	12	13	20.79	20.64	20.80	20.63	20.86		
5	64QAM	25	0	20.84	20.68	20.78	20.75	20.77		
5	256QAM	1	0	18.55	18.67	18.93	18.85	18.80	20	5
5	256QAM	1	12	18.71	18.73	18.80	18.65	18.70		
5	256QAM	1	24	18.78	18.84	18.92	18.72	18.76		
5	256QAM	12	0	18.89	18.93	18.96	18.97	18.86	20	5
5	256QAM	12	7	18.78	18.79	18.91	18.77	18.76		
5	256QAM	12	13	18.76	18.78	18.83	18.86	18.85		
5	256QAM	25	0	18.75	18.79	18.90	18.87	18.81		



Band 41 Ant2 Default												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	23.59	23.61	23.93	23.79	23.72	25	0		
20	QPSK	1	49	23.62	23.69	23.76	23.64	23.60				
20	QPSK	1	99	23.80	23.80	23.84	23.70	23.67				
20	QPSK	50	0	22.91	22.89	22.99	22.94	22.85	24	1		
20	QPSK	50	24	22.82	22.77	22.90	22.77	22.77				
20	QPSK	50	50	22.80	22.81	22.87	22.85	22.78				
20	QPSK	100	0	22.77	22.78	22.91	22.84	22.82	24	1		
20	16QAM	1	0	23.04	23.02	23.06	22.92	23.04				
20	16QAM	1	49	22.85	22.99	23.04	22.91	22.96				
20	16QAM	1	99	22.94	22.87	23.02	22.85	22.79	23	2		
20	16QAM	50	0	21.93	21.98	22.03	21.89	21.93				
20	16QAM	50	24	21.93	21.78	21.88	21.74	21.93				
20	16QAM	50	50	21.83	21.91	21.95	21.81	21.83	23	2		
20	16QAM	100	0	21.83	21.86	21.94	21.81	21.92				
20	64QAM	1	0	21.68	21.60	21.74	21.61	21.59				
20	64QAM	1	49	21.52	21.45	21.61	21.53	21.62	22	3		
20	64QAM	1	99	21.53	21.63	21.70	21.63	21.50				
20	64QAM	50	0	20.92	20.89	21.02	20.86	20.95				
20	64QAM	50	24	20.80	20.87	20.92	20.77	20.82	20	5		
20	64QAM	50	50	20.87	20.79	20.90	20.77	20.88				
20	64QAM	100	0	20.86	20.77	20.92	20.82	20.79				
20	256QAM	1	0	18.64	18.64	18.98	18.83	18.77	20	5		
20	256QAM	1	49	18.69	18.69	18.83	18.66	18.67				
20	256QAM	1	99	18.80	18.84	18.88	18.70	18.73				
20	256QAM	50	0	18.95	18.90	18.97	18.95	18.86	24	1		
20	256QAM	50	24	18.88	18.76	18.95	18.83	18.84				
20	256QAM	50	50	18.76	18.88	18.97	18.87	18.82				
20	256QAM	100	0	18.74	18.87	18.90	18.83	18.85	24	1		
Channel				39725	40173	40620	41068	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	23.56	23.57	23.91	23.62	23.63	25	0		
15	QPSK	1	37	23.48	23.67	23.73	23.59	23.53				
15	QPSK	1	74	23.64	23.76	23.82	23.67	23.59				
15	QPSK	36	0	22.84	22.78	22.97	22.83	22.72	24	1		
15	QPSK	36	20	22.69	22.70	22.76	22.70	22.63				
15	QPSK	36	39	22.76	22.77	22.81	22.78	22.73				
15	QPSK	75	0	22.63	22.72	22.82	22.80	22.65	24	1		
15	16QAM	1	0	23.00	22.89	23.03	22.87	22.88				
15	16QAM	1	37	22.72	22.82	22.93	22.85	22.83				



FCC SAR Test Report

Report No. : FA311602

15	16QAM	1	74	22.86	22.82	22.95	22.79	22.65		
15	16QAM	36	0	21.86	21.93	22.00	21.82	21.90	23	2
15	16QAM	36	20	21.87	21.73	21.83	21.68	21.85		
15	16QAM	36	39	21.67	21.87	21.90	21.79	21.66		
15	16QAM	75	0	21.71	21.73	21.87	21.75	21.77	23	2
15	64QAM	1	0	21.65	21.54	21.67	21.49	21.45		
15	64QAM	1	37	21.41	21.40	21.56	21.38	21.58		
15	64QAM	1	74	21.42	21.48	21.64	21.49	21.34	22	3
15	64QAM	36	0	20.81	20.78	20.90	20.74	20.91		
15	64QAM	36	20	20.77	20.79	20.77	20.64	20.79		
15	64QAM	36	39	20.77	20.67	20.79	20.71	20.84	20	5
15	64QAM	75	0	20.77	20.75	20.83	20.78	20.71		
15	256QAM	1	0	18.58	18.61	18.92	18.82	18.69		
15	256QAM	1	37	18.67	18.74	18.83	18.73	18.63	20	5
15	256QAM	1	74	18.81	18.80	18.84	18.76	18.69		
15	256QAM	36	0	18.87	18.85	19.06	18.89	18.92		
15	256QAM	36	20	18.81	18.73	18.94	18.77	18.86	20	5
15	256QAM	36	39	18.75	18.85	18.87	18.84	18.84		
15	256QAM	75	0	18.87	18.81	18.98	18.83	18.87		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.44	23.49	23.80	23.67	23.56	25.00	0
10	QPSK	1	25	23.53	23.58	23.65	23.49	23.45		
10	QPSK	1	49	23.70	23.72	23.79	23.59	23.52		
10	QPSK	25	0	22.74	22.77	22.95	22.85	22.77	24	1
10	QPSK	25	12	22.74	22.63	22.78	22.64	22.60		
10	QPSK	25	25	22.72	22.64	22.83	22.76	22.69		
10	QPSK	50	0	22.65	22.71	22.86	22.69	22.68	24	1
10	16QAM	1	0	23.01	22.98	22.93	22.82	22.96		
10	16QAM	1	25	22.78	22.86	22.99	22.80	22.88		
10	16QAM	1	49	22.85	22.80	22.94	22.68	22.68	23	2
10	16QAM	25	0	21.79	21.88	21.89	21.78	21.82		
10	16QAM	25	12	21.87	21.70	21.82	21.64	21.80		
10	16QAM	25	25	21.74	21.77	21.83	21.77	21.75	23	2
10	16QAM	50	0	21.70	21.82	21.80	21.71	21.85		
10	64QAM	1	0	21.60	21.47	21.64	21.50	21.45		
10	64QAM	1	25	21.38	21.33	21.56	21.44	21.47	22	3
10	64QAM	1	49	21.47	21.51	21.58	21.61	21.42		
10	64QAM	25	0	20.76	20.75	20.94	20.76	20.79		
10	64QAM	25	12	20.70	20.83	20.88	20.69	20.75	20	5
10	64QAM	25	25	20.79	20.63	20.75	20.62	20.86		
10	64QAM	50	0	20.79	20.63	20.84	20.68	20.74		
10	256QAM	1	0	18.62	18.67	18.92	18.75	18.73	20	5
10	256QAM	1	25	18.70	18.71	18.76	18.60	18.66		
10	256QAM	1	49	18.81	18.79	18.80	18.69	18.76		
10	256QAM	25	0	19.01	18.97	18.99	18.97	18.89	20	5
10	256QAM	25	12	18.90	18.75	18.93	18.75	18.86		
10	256QAM	25	25	18.84	18.81	18.93	18.82	18.84		
10	256QAM	50	0	18.87	18.79	18.89	18.84	18.89		



Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.54	23.47	23.88	23.69	23.66	25.00	0
5	QPSK	1	12	23.50	23.58	23.72	23.60	23.57		
5	QPSK	1	24	23.71	23.63	23.72	23.54	23.58		
5	QPSK	12	0	22.84	22.73	22.88	22.77	22.82	24	1
5	QPSK	12	7	22.67	22.70	22.75	22.67	22.74		
5	QPSK	12	13	22.66	22.66	22.75	22.80	22.71		
5	QPSK	25	0	22.70	22.75	22.80	22.77	22.74		
5	16QAM	1	0	22.98	22.98	22.93	22.78	22.99	24	1
5	16QAM	1	12	22.71	22.97	22.88	22.84	22.87		
5	16QAM	1	24	22.80	22.83	22.93	22.69	22.69		
5	16QAM	12	0	21.89	21.88	21.97	21.74	21.90	23	2
5	16QAM	12	7	21.78	21.63	21.72	21.59	21.87		
5	16QAM	12	13	21.78	21.80	21.88	21.76	21.73		
5	16QAM	25	0	21.68	21.73	21.83	21.71	21.84		
5	64QAM	1	0	21.53	21.44	21.69	21.46	21.49	23	2
5	64QAM	1	12	21.38	21.29	21.55	21.43	21.49		
5	64QAM	1	24	21.46	21.55	21.55	21.50	21.46		
5	64QAM	12	0	20.83	20.72	20.98	20.69	20.89	22	3
5	64QAM	12	7	20.73	20.81	20.82	20.75	20.68		
5	64QAM	12	13	20.79	20.64	20.80	20.63	20.86		
5	64QAM	25	0	20.84	20.68	20.78	20.75	20.77		
5	256QAM	1	0	18.55	18.67	18.93	18.85	18.80	20	5
5	256QAM	1	12	18.71	18.73	18.80	18.65	18.70		
5	256QAM	1	24	18.78	18.84	18.92	18.72	18.76		
5	256QAM	12	0	18.89	18.93	18.96	18.97	18.86	20	5
5	256QAM	12	7	18.78	18.79	18.91	18.77	18.76		
5	256QAM	12	13	18.76	18.78	18.83	18.86	18.85		
5	256QAM	25	0	18.75	18.79	18.90	18.87	18.81		



Band 48_FCC Ant5 DSI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	21.50	21.66	21.58	21.55	22.8	0
20	QPSK	1	49	21.45	21.65	21.52	21.50		
20	QPSK	1	99	21.36	21.62	21.44	21.33		
20	QPSK	50	0	21.31	21.65	21.35	21.30	22.8	0
20	QPSK	50	24	21.29	21.63	21.46	21.56		
20	QPSK	50	50	21.54	21.49	21.49	21.55		
20	QPSK	100	0	21.57	21.63	21.59	21.32	22.8	0
20	16QAM	1	0	21.54	21.61	21.44	21.52		
20	16QAM	1	49	21.49	21.39	21.38	21.37		
20	16QAM	1	99	21.47	21.55	21.58	21.51	22	0.8
20	16QAM	50	0	20.72	20.75	20.65	20.67		
20	16QAM	50	24	20.54	20.66	20.69	20.50		
20	16QAM	50	50	20.48	20.65	20.68	20.55	22	0.8
20	16QAM	100	0	20.72	20.77	20.70	20.62		
20	64QAM	1	0	20.71	20.75	20.59	20.63		
20	64QAM	1	49	20.58	20.70	20.55	20.58	22	0.8
20	64QAM	1	99	20.57	20.63	20.58	20.59		
20	64QAM	50	0	19.66	19.79	19.77	19.65		
20	64QAM	50	24	19.73	19.77	19.65	19.59	21	1.8
20	64QAM	50	50	19.60	19.71	19.64	19.64		
20	64QAM	100	0	19.74	19.78	19.63	19.72		
20	256QAM	1	0	17.39	17.60	17.61	17.46	19	3.8
20	256QAM	1	49	17.55	17.59	17.55	17.40		
20	256QAM	1	99	17.40	17.52	17.44	17.29		
20	256QAM	50	0	17.61	17.72	17.61	17.59	19	3.8
20	256QAM	50	24	17.56	17.82	17.57	17.66		
20	256QAM	50	50	17.74	17.82	17.55	17.77		
20	256QAM	100	0	17.76	17.79	17.70	17.59		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	21.37	21.45	21.42	21.39	22.8	0
15	QPSK	1	37	21.13	21.36	21.44	21.31		
15	QPSK	1	74	21.05	21.50	21.30	21.13		
15	QPSK	36	0	21.09	21.43	21.09	21.19	22.8	0
15	QPSK	36	20	21.10	21.55	21.33	21.37		
15	QPSK	36	39	21.28	21.32	21.27	21.27		
15	QPSK	75	0	21.47	21.36	21.38	21.16	22.8	0
15	16QAM	1	0	21.40	21.50	21.20	21.26		
15	16QAM	1	37	21.31	21.11	21.28	21.07		
15	16QAM	1	74	21.25	21.25	21.33	21.35		



FCC SAR Test Report

Report No. : FA311602

15	16QAM	36	0	20.64	20.71	20.55	20.54	22	0.8
15	16QAM	36	20	20.41	20.49	20.66	20.41		
15	16QAM	36	39	20.39	20.49	20.54	20.40		
15	16QAM	75	0	20.67	20.64	20.53	20.56	22	0.8
15	64QAM	1	0	20.61	20.69	20.49	20.59		
15	64QAM	1	37	20.48	20.62	20.50	20.44		
15	64QAM	1	74	20.47	20.54	20.46	20.45	21	1.8
15	64QAM	36	0	19.61	19.77	19.71	19.62		
15	64QAM	36	20	19.61	19.67	19.55	19.50		
15	64QAM	36	39	19.48	19.69	19.59	19.50	19	3.8
15	64QAM	75	0	19.61	19.71	19.60	19.68		
15	256QAM	1	0	17.49	17.68	17.52	17.53		
15	256QAM	1	37	17.49	17.60	17.47	17.51	19	3.8
15	256QAM	1	74	17.44	17.54	17.42	17.35		
15	256QAM	36	0	17.63	17.81	17.63	17.66		
15	256QAM	36	20	17.52	17.77	17.62	17.64	19	3.8
15	256QAM	36	39	17.76	17.73	17.58	17.64		
15	256QAM	75	0	17.72	17.78	17.80	17.70		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	21.23	21.51	21.32	21.26	22.8	0
10	QPSK	1	25	21.23	21.50	21.41	21.37		
10	QPSK	1	49	21.04	21.30	21.20	21.06		
10	QPSK	25	0	21.09	21.48	21.13	21.07	22.8	0
10	QPSK	25	12	21.06	21.51	21.24	21.32		
10	QPSK	25	25	21.45	21.30	21.35	21.38		
10	QPSK	50	0	21.39	21.34	21.40	21.21	22.8	0
10	16QAM	1	0	21.42	21.42	21.32	21.41		
10	16QAM	1	25	21.31	21.14	21.12	21.28		
10	16QAM	1	49	21.15	21.42	21.48	21.33	22	0.8
10	16QAM	25	0	20.57	20.69	20.56	20.64		
10	16QAM	25	12	20.38	20.50	20.55	20.33		
10	16QAM	25	25	20.41	20.50	20.60	20.49	22	0.8
10	16QAM	50	0	20.60	20.73	20.59	20.56		
10	64QAM	1	0	20.68	20.69	20.52	20.58		
10	64QAM	1	25	20.54	20.61	20.42	20.52	21	1.8
10	64QAM	1	49	20.40	20.53	20.51	20.52		
10	64QAM	25	0	19.50	19.71	19.67	19.58		
10	64QAM	25	12	19.62	19.61	19.50	19.50	19	3.8
10	64QAM	25	25	19.58	19.67	19.57	19.49		
10	64QAM	50	0	19.65	19.62	19.59	19.57		
10	256QAM	1	0	17.49	17.65	17.53	17.52	19	3.8
10	256QAM	1	25	17.48	17.51	17.54	17.41		
10	256QAM	1	49	17.36	17.54	17.50	17.32		
10	256QAM	25	0	17.70	17.74	17.64	17.66	19	3.8
10	256QAM	25	12	17.60	17.69	17.56	17.76		
10	256QAM	25	25	17.70	17.80	17.53	17.76		
10	256QAM	50	0	17.75	17.80	17.78	17.67	Channel	MPR
Channel				55265	55810	56170	56715		



Frequency (MHz)				3552.5	3607	3643	3697.5	limit (dBm)	(dB)
5	QPSK	1	0	21.33	21.37	21.33	21.40	22.8	0
5	QPSK	1	12	21.20	21.39	21.31	21.40		
5	QPSK	1	24	21.19	21.40	21.17	21.06		
5	QPSK	12	0	21.07	21.40	21.14	21.20	22.8	0
5	QPSK	12	7	21.13	21.54	21.16	21.25		
5	QPSK	12	13	21.33	21.40	21.27	21.38		
5	QPSK	25	0	21.28	21.35	21.30	21.06	22.8	0
5	16QAM	1	0	21.39	21.47	21.17	21.33		
5	16QAM	1	12	21.19	21.07	21.24	21.24		
5	16QAM	1	24	21.24	21.35	21.37	21.26	22	0.8
5	16QAM	12	0	20.60	20.73	20.52	20.54		
5	16QAM	12	7	20.48	20.51	20.67	20.35		
5	16QAM	12	13	20.37	20.48	20.52	20.45	22	0.8
5	16QAM	25	0	20.65	20.71	20.54	20.59		
5	64QAM	1	0	20.60	20.60	20.56	20.53		
5	64QAM	1	12	20.46	20.60	20.52	20.47	21	1.8
5	64QAM	1	24	20.42	20.58	20.49	20.51		
5	64QAM	12	0	19.58	19.75	19.62	19.62		
5	64QAM	12	7	19.65	19.64	19.60	19.45	19	3.8
5	64QAM	12	13	19.52	19.56	19.55	19.58		
5	64QAM	25	0	19.63	19.70	19.60	19.66		
5	256QAM	1	0	17.49	17.64	17.56	17.52	19	3.8
5	256QAM	1	12	17.54	17.62	17.60	17.50		
5	256QAM	1	24	17.41	17.58	17.44	17.31		
5	256QAM	12	0	17.62	17.80	17.68	17.64	19	3.8
5	256QAM	12	7	17.62	17.67	17.65	17.61		
5	256QAM	12	13	17.69	17.80	17.59	17.70		
5	256QAM	25	0	17.66	17.76	17.72	17.58		



<LTE Carrier Aggregation>

General Note:

1. This device supports Carrier Aggregation on downlink for inter and intra band. For the device supports bands and bandwidths and configurations are provided as follow table was according to 3GPP.
2. In applying the existing power measurement procedures of KDB 941225 D05A for DL CA SAR test exclusion, only the subset with the largest number of combinations of frequency bands and CCs in each row need combination, and for this device that all the configurations were choose to power measurement.
3. The gray color table is covered by other combinations and no need to verify power, but Only LTE Band 29/46 is limited to Scell.

2CC Downlink Carrier Aggregation			3CC Downlink Carrier Aggregation			4CC Downlink Carrier Aggregation		
Number	Combination	Covered by Measurement Superset	Number	Combination	Covered by Measurement Superset	Number	Combination	Covered by Measurement Superset
1	CA_2C	3CC-87	61	CA_41D	4CC-202	170	CA_41E	
2	CA_5B	3CC-80	62	CA_48D	4CC-172	171	CA_48E	
3	CA_7B		63	CA_66D	4CC-185	172	CA_48A-48D	
4	CA_7C	3CC-81	64	CA_41A-41C		173	CA_48C-48C	
5	CA_12B	3CC-78	65	CA_48A-48C	4CC-206	174	CA_2A-2A-4A-4A	
6	CA_38C		66	CA_66A-66B	4CC-193	175	CA_2A-2A-12A-12A	
7	CA_41C	3CC-64	67	CA_66A-66C	4CC-192	176	CA_2A-2A-12B	
8	CA_48C	3CC-173	68	CA_2A-2A-4A	4CC-174	177	CA_2A-2A-66A-66A	
9	CA_66B	3CC-66	69	CA_2A-2A-5A	4CC-210	178	CA_2A-2A-66B	
10	CA_66C	3CC-67	70	CA_2A-2A-7A	4CC-214	179	CA_2A-2A-66C	
11	CA_2A-2A	3CC-68	71	CA_2A-2A-12A	4CC-211	180	CA_2A-48A-48C	
12	CA_4A-4A	3CC-90	72	CA_2A-2A-13A	4CC-217	181	CA_2A-48D	
13	CA_5A-5A	3CC-190	73	CA_2A-2A-14A	4CC-218	182	CA_2A-66A-66A-66A	
14	CA_7A-7A	3CC-251	74	CA_2A-2A-66A	4CC-213	183	CA_2A-66A-66B	
15	CA_12A-12A	3CC-175	75	CA_2A-2A-71A	4CC-219	184	CA_2A-66A-66C	
16	CA_25A-25A	3CC-123	76	CA_2A-4A-4A	4CC-174	185	CA_2A-66D	
17	CA_48A-48A	3CC-204	77	CA_2A-7A-7A	4CC-251	186	CA_4A-4A-5B	
18	CA_66A-66A	3CC-122	78	CA_2A-12B	4CC-233	187	CA_4A-4A-12A-12A	
19	CA_2A-4A	3CC-174	79	CA_2A-12A-12A	4CC-175	188	CA_4A-4A-12B	
20	CA_2A-5A	3CC-139	80	CA_2A-5B	4CC-222	189	CA_5A-5A-66A-66A	
21	CA_2A-7A	3CC-134	81	CA_2A-7C	4CC-254	190	CA_5A-5A-66B	
22	CA_2A-12A	3CC-175	82	CA_2A-48A-48A		191	CA_5A-5A-66C	
23	CA_2A-13A	3CC-235	83	CA_2A-48C	4CC-248	192	CA_5A-66A-66C	
24	CA_2A-14A	3CC-218	84	CA_2A-66A-66A	4CC-231	193	CA_5A-66A-66B	
25	CA_2A-17A		85	CA_2A-66B	4CC-178	194	CA_5A-66D	
26	CA_2A-48A	3CC-146	86	CA_2A-66C	4CC-179	195	CA_7C-66A-66A	
27	CA_2A-66A	3CC-84	87	CA_2C-5A		196	CA_12B-66A-66A	
28	CA_2A-71A	3CC-75	88	CA_2C-12A		197	CA_13A-48A-48C	
29	CA_4A-5A	3CC-90	89	CA_2C-66A	4CC-257	198	CA_13A-48D	
30	CA_4A-7A	3CC-91	90	CA_4A-4A-5A	4CC-220	199	CA_13A-66A-66B	
31	CA_4A-12A	3CC-92	91	CA_4A-4A-7A		200	CA_13A-66A-66C	
32	CA_4A-13A	3CC-93	92	CA_4A-4A-12A	4CC-221	201	CA_13A-66D	
33	CA_4A-17A		93	CA_4A-4A-13A		202	CA_25A-41D	
34	CA_4A-71A	3CC-94	94	CA_4A-4A-71A		203	CA_48A-48A-66A-66A	
35	CA_5A-7A	3CC-102	95	CA_4A-5B	4CC-222	204	CA_48A-48A-66B	
36	CA_5A-25A		96	CA_4A-7A-7A	4CC-223	205	CA_48A-48A-66C	
37	CA_5A-38A		97	CA_4A-7C	4CC-224	206	CA_48A-48C-66A	
38	CA_5A-41A		98	CA_4A-12A-12A	4CC-187	207	CA_48C-66B	
39	CA_5A-48A	3CC-156	99	CA_4A-12B	4CC-188	208	CA_48C-66C	
40	CA_5A-66A	3CC-101	100	CA_4A-48C		209	CA_48D-66A	
42	CA_7A-12A	3CC-214	101	CA_5A-5A-66A	4CC-189	210	CA_2A-2A-4A-5A	
43	CA_7A-26A	3CC-110	102	CA_5A-7A-7A		211	CA_2A-2A-4A-12A	
44	CA_7A-66A	3CC-112	103	CA_5A-7C	4CC-263	212	CA_2A-2A-4A-71A	
45	CA_12A-25A		104	CA_5A-66A-66A	4CC-189	213	CA_2A-2A-5A-66A	



46	CA_12A-66A	3CC-114	105	CA_5A-66B	4CC-190	214	CA_2A-2A-7A-12A	
47	CA_13A-48A	3CC-117	106	CA_5A-66C	4CC-192	215	CA_2A-2A-7A-66A	
48	CA_13A-66A	3CC-119	110	CA_7A-7A-26A		216	CA_2A-2A-12A-66A	
49	CA_14A-66A	3CC-122	111	CA_7A-12B	4CC-230	217	CA_2A-2A-13A-66A	
50	CA_25A-26A	3CC-123	112	CA_7A-66A-66A	4CC-265	218	CA_2A-2A-14A-66A	
51	CA_48A-66A	3CC-124	113	CA_7C-66A	4CC-195	219	CA_2A-2A-66A-71A	
52	CA_48A-71A	3CC-125	114	CA_12A-66A-66A	4CC-231	220	CA_2A-4A-4A-5A	
53	CA_66A-71A	3CC-131	115	CA_12A-66C	4CC-232	221	CA_2A-4A-4A-12A	
54	CA_48B		116	CA_12B-66A	4CC-233	222	CA_2A-4A-5B	
55	CA_4A-48A		117	CA_13A-48A-48A		223	CA_2A-4A-7A-7A	
56	CA_7A-13A	3CC-155	118	CA_13A-48C	4CC-197	224	CA_2A-4A-7C	
57	CA_7A-29A	3CC-160	119	CA_13A-66A-66A	4CC-234	225	CA_2A-4A-12B	
58	CA_2A-29A	3CC-166	120	CA_13A-66B	4CC-235	226	CA_2A-5A-66A-66A	
59	CA_4A-29A	3CC-169	121	CA_13A-66C	4CC-236	227	CA_2A-5A-66B	
60	CA_29A-66A	3CC-168	122	CA_14A-66A-66A	4CC-237	228	CA_2A-5A-66C	
			123	CA_25A-25A-26A		229	CA_2A-5B-66A	
			124	CA_48A-48A-66A	4CC-203	230	CA_2A-7A-12B	
			125	CA_48A-48A-71A		231	CA_2A-12A-66A-66A	
			126	CA_48A-66A-66A	4CC-203	232	CA_2A-12A-66C	
			127	CA_48A-66B	4CC-204	233	CA_2A-12B-66A	
			128	CA_48A-66C	4CC-205	234	CA_2A-13A-66A-66A	
			129	CA_48C-66A	4CC-206	235	CA_2A-13A-66B	
			130	CA_48C-71A		236	CA_2A-13A-66C	
			131	CA_66A-66A-71A	4CC-238	237	CA_2A-14A-66A-66A	
			132	CA_66C-71A	4CC-239	238	CA_2A-66A-66A-71A	
			133	CA_2A-4A-5A	4CC-210	239	CA_2A-66C-71A	
			134	CA_2A-4A-7A	4CC-223	240	CA_7A-12B-66A	
			135	CA_2A-4A-12A	4CC-221	241	CA_13A-48C-66A	
			136	CA_2A-4A-13A		242	CA_13A-48A-66B	
			137	CA_4A-4A-29A		243	CA_13A-48A-66C	
			138	CA_2A-4A-71A	4CC-212	244	CA_14A-66A-66A-66A	
			139	CA_2A-5A-66A	4CC-213	245	CA_2A-13A-48C	
			140	CA_2A-7A-12A	4CC-214	246	CA_2A-2A-5B	
			141	CA_2A-7A-66A	4CC-215	247	CA_2A-48A-66A-66A	
			142	CA_2A-12A-66A	4CC-216	248	CA_2A-48C-66A	
			143	CA_2A-13A-66A	4CC-217	249	CA_2A-5A-48C	
			144	CA_2A-14A-66A	4CC-218	250	CA_2A-7A-66A-66A	
			145	CA_2A-29A-66A		251	CA_2A-7A-7A-13A	
			146	CA_2A-48A-66A	4CC-247	252	CA_2A-7A-7A-29A	
			147	CA_2A-66A-71A	4CC-238	253	CA_2A-7A-7A-66A	
			148	CA_4A-7A-12A		254	CA_2A-7C-13A	
			149	CA_7A-12A-66A		255	CA_2A-7C-29A	
			150	CA_13A-48A-66A		256	CA_2A-7C-66A	
			151	CA_25A-25A-25A		257	CA_2C-66A-66A	
			152	CA_2A-13A-48A		258	CA_48C-66A-66A	
			153	CA_2A-5A-48A		259	CA_4A-48D	
			154	CA_2A-5A-7A		260	CA_5A-48C-66A	
			155	CA_2A-7A-13A	4CC-251	261	CA_5A-48D	
			156	CA_5A-48A-66A		262	CA_5A-7A-66A-66A	
			157	CA_5A-48C	4CC-249	263	CA_5A-7C-66A	
			158	CA_5A-7A-66A	4CC-262	264	CA_7A-7A-29A-66A	
			159	CA_66A-66A-66A	4CC-182	265	CA_7A-7A-66A-66A	
			160	CA_7A-29A-66A	4CC-264	266	CA_7C-29A-66A	
			161	CA_7A-7A-13A	4CC-251	107	CA_5B-66A-66A	
			162	CA_7A-7A-29A	4CC-264	108	CA_5B-66B	
			163	CA_7A-7A-66A	4CC-265	109	CA_5B-66C	



			164	CA_7C-13A	4CC-254			
			165	CA_7C-29A	4CC-266			
			166	CA_2A-2A-29A				
			167	CA_2C-29A				
			168	CA_29A-66A-66A				
			169	CA_2A-4A-29A				
			41	CA_5B-66A	4CC-107			

LTE Carrier Aggregation Conducted Power (Downlink)

- i. According to KDB941225 D05A v01r02, Uplink maximum output power measurement with downlink carrier aggregation active should be measured, using the highest output channel measured without downlink carrier aggregation, to confirm that uplink maximum output power with downlink carrier aggregation active remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output measured without downlink carrier aggregation active.
- ii. Uplink maximum output power with downlink carrier aggregation active does not show more than ¼ dB higher than the maximum output power without downlink carrier aggregation active, therefore SAR evaluation with downlink carrier aggregation active can be excluded.
- iii. The device supports downlink four carrier aggregation. For power measurement were control and acknowledge data is sent on uplink channels that operate identical to specifications when downlink carrier aggregation is inactive.
- iv. Selected highest measured power when downlink carrier aggregation is inactive for conducted power comparison with downlink carrier aggregation is active, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.
- v. For inter-band CA, the SCC selected highest bandwidth and near the middle of its transmission band. For SCC DL RB size and offset will base on the PCC corresponding RB allocation.
- vi. For non-contiguous intra-band CA, the SCC selected to provide maximum separation from the PCC and must remain fully within the downlink transmission band.
- vii. For Intra-band, contiguous CA, the downlink channels selected to perform the uplink power measurement must satisfy 3GPP channel spacing (5.4.1A of 3GPP TS 36.521 or equivalent) and channel bandwidth (5.4.2A) requirements.

$$\text{Nominal channel spacing} = \left\lceil \frac{BW_{\text{Channel}(1)} + BW_{\text{Channel}(2)} - 0.1|BW_{\text{Channel}(1)} - BW_{\text{Channel}(2)}|}{0.6} \right\rceil 0.3 \text{ [MHz]}$$

LTE 4x4 MIMO (Downlink)

This device supports downlink 4x4 MIMO operations for LTE Band 2/4/7/25/66/38/41/48 only. Uplink transmission is limited to a single output stream. Power measurements were performed with downlink 4x4 MIMO active for the configuration with highest measured maximum conducted power with 4x4 downlink MIMO inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band.

Per FCC Guidance, SAR for downlink 4x4 MIMO was not needed since the maximum average output power in 4x4 downlink MIMO mode was not > 0.25 dB higher than the maximum output power with downlink 4x4 MIMO inactive. When carrier aggregation is applicable, power measurements were performed with the downlink carrier aggregation and 4x4 DL MIMO active for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band.

4X4 MIMO	Band
	LTE Band 2/4/7/25/66/38/41/48



<Two Carrier power verification>

CA List	PCC									SCC					Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-17A	Band 2	Ant2	10M	1880	18900	QPSK	1	0	4x4MIMO	Band 17	10M	740	5790		23.43	23.46
	Band 17	Ant0	10M	710	23790	QPSK	1	0		Band 2	10M	1960	900	4x4MIMO	23.66	23.71
CA_4A-17A	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 17	10M	740	5790		23.34	23.52
	Band 17	Ant0	10M	710	23790	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	23.56	23.71
CA_4A-48A	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	23.41	23.52
CA_5A-25A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 25	20M	1960	8340	4x4MIMO	23.76	23.76
	Band 25	Ant2	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		23.43	23.50
CA_5A-38A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 38	20M	2595	38000	4x4MIMO	23.63	23.76
	Band 38	Ant2	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		23.77	23.90
CA_5A-41A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	23.53	23.76
CA_7B	Band 7	Ant2	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544.3	3193	4x4MIMO	23.53	23.72
CA_12A-25A	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 25	20M	1960	8340	4x4MIMO	23.85	23.86
	Band 25	Ant2	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		23.48	23.50
CA_38C	Band 38	Ant2	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	23.79	23.90
CA_48B	Band 48	Ant5	10M	3625	55990	QPSK	1	0	4x4MIMO	Band 48	10M	3644.8	56188	4x4MIMO	22.54	22.61



<Three Carrier power verification>

3CA List	PCC									SCC1					SCC2				Power		
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-2A-29A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 29	10M	722.5	9715		23.30	23.46
CA_2A-4A-13A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230		23.25	23.46
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 2	20M	1960	900	4x4MIMO	23.33	23.52
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.36	23.61
CA_2A-4A-29A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 29	10M	722.5	9715		23.24	23.46
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 29	10M	722.5	9715		Band 2	20M	1960	900	4x4MIMO	23.34	23.52
CA_2A-5A-7A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	23.27	23.46
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.62	23.76
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		23.50	23.72
CA_2A-5A-48A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830	4x4MIMO	23.27	23.46
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.54	23.76
CA_2A-13A-48A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3609	55830	4x4MIMO	23.27	23.46
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.44	23.61
CA_2A-29A-66A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 29	10M	722.5	9715		Band 66	20M	2155	66886	4x4MIMO	23.29	23.46
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 29	10M	722.5	9715		23.46	23.60
CA_2C-5A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 5	10M	881.5	2525		23.27	23.46
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	23.62	23.76
CA_2C-12A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 12	10M	737.5	5095		23.25	23.46
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	23.72	23.86
CA_2C-29A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 29	10M	722.5	9715		23.24	23.46
CA_4A-4A-7A	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.36	23.52
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.51	23.72
CA_4A-4A-13A	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230		23.37	23.52
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.48	23.61
CA_4A-4A-29A	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 29	10M	722.5	9715		23.31	23.52
CA_4A-4A-71A	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 71	20M	683	68786		23.33	23.52
	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.68	23.84
CA_4A-7A-12A	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095		23.34	23.52
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 4	20M	2132.5	2175	4x4MIMO	23.49	23.72
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.72	23.86
CA_4A-48C	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	23.27	23.52
CA_5A-7A-7A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.59	23.76
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		23.67	23.72
CA_5A-48A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.58	23.76
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830	4x4MIMO	23.41	23.60
CA_7A-7A-26A	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 26	15M	876.5	8865		23.68	23.72
	Band 26	Ant0	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.66	23.79
CA_7A-12A-66A	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	23.56	23.72
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.62	23.86
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095		23.39	23.60
CA_13A-48A-48A	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	23.37	23.61
CA_13A-48A-66A	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.39	23.61
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830	4x4MIMO	23.37	23.60
CA_25A-25A-25A	Band 25	Ant2	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	5M	1992.5	8665	4x4MIMO	Band 25	20M	1940	8140	4x4MIMO	23.34	23.50
CA_25A-25A-26A	Band 25	Ant2	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO	Band 26	5M	876.5	8865		23.27	23.50
	Band 26	Ant0	5M	831.5	26865	QPSK	1	0		Band 25	20M	1960	8340	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO	23.60	23.79
CA_29A-66A-66A	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 29	10M	722.5	9715		23.46	23.60
CA_41A-41C	Band 41	Ant2	20M	2675.8	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO	23.77	23.93
CA_48A-48A-71A	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	23.68	23.84
CA_48C-71A	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	23.64	23.84
CA_2A-48A-48A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	23.33	23.46



<Four Carrier power verification>

Configure	PCC									SCC1				SCC2				SCC3				Power				
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel			
	Band	Ant	(MHz)	Freq. (MHz)	Channel	RB	Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)					
CA_2A-2A-4A-4A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.33	23.46
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.31	23.52
CA_2A-2A-4A-5A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		23.26	23.46
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		23.34	23.52
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.62	23.76
CA_2A-2A-4A-12A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 12	10M	737.5	5095		23.26	23.46
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 12	10M	737.5	5095		23.37	23.52
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.62	23.86
CA_2A-2A-4A-71A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 71	20M	637	68786		23.24	23.46
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 71	20M	637	68786		23.28	23.52
	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.67	23.84
CA_2A-2A-5A-66A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	23.23	23.46
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.53	23.76
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		23.37	23.60
CA_2A-2A-5B	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		23.24	23.46
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.52	23.76
CA_2A-2A-7A-12A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095		23.29	23.46
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 12	10M	737.5	5095		23.48	23.72
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.71	23.86
CA_2A-2A-7A-66A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.29	23.46
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.52	23.72
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.46	23.60
CA_2A-2A-12A-12A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	743.5	5155		23.31	23.46
	Band 12	Ant0	5M	707.5	23095	QPSK	1	0		Band 12	5M	743.5	5155		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.63	23.86
CA_2A-2A-12A-66A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	23.24	23.46
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.66	23.86
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 12	10M	737.5	5095		23.38	23.60
CA_2A-2A-12B	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143		23.24	23.46
	Band 12	Ant0	5M	707.5	23095	QPSK	1	0		Band 12	5M	742.3	5143		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.66	23.86
CA_2A-2A-13A-66A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2155	66886	4x4MIMO	23.25	23.46
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.41	23.61
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230		23.45	23.60
CA_2A-2A-14A-66A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 14	10M	763	5330		Band 66	20M	2155	66886	4x4MIMO	23.27	23.46
	Band 14	Ant0	10M	793	23330	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.47	23.66
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 14	10M	763	5330		23.37	23.60
CA_2A-2A-66A-66A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.32	23.46
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.36	23.60
CA_2A-2A-66A-71A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 71	20M	683	68786		23.33	23.46
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 71	20M	683	68786		Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.45	23.60
	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.67	23.84
CA_2A-2A-66B	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.27	23.46
	Band 66	Ant2	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.46	23.60
CA_2A-2A-66C	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	23.41	23.46
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.56	23.60
CA_2A-4A-4A-5A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		23.21	23.46
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	4x4MIMO	23.30	23.52
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.59	23.76
CA_2A-4A-4A-12A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2									



FCC SAR Test Report

Report No. : FA311602

	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	23.36	23.52
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.59	23.76
CA_2A-4A-7A-7A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.30	23.46
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.31	23.52
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.52	23.72
CA_2A-4A-7C	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.22	23.46
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.28	23.52
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.57	23.72
CA_2A-4A-12B	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143		23.22	23.46
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143		Band 2	20M	1960	900	4x4MIMO	23.36	23.52
	Band 12	Ant0	5M	707.5	23095	QPSK	1	0		Band 12	5M	742.3	5143		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.67	23.86
CA_2A-5A-48C	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	23.31	23.46
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.61	23.76
CA_2A-5A-66A-66A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.30	23.46
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.58	23.76
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		23.42	23.60
CA_2A-5A-66B	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.26	23.46
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.57	23.76
	Band 66	Ant2	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		23.38	23.60
CA_2A-5A-66C	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	23.25	23.46
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.54	23.76
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		23.51	23.60
CA_2A-5B-66A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		Band 66	20M	2155	66886	4x4MIMO	23.31	23.46
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.54	23.76
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		Band 5	10M	881.5	2525		23.39	23.60
CA_2A-7A-12B	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143		23.22	23.46
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143		Band 2	20M	1960	900	4x4MIMO	23.54	23.72
	Band 12	Ant0	5M	707.5	23095	QPSK	1	0		Band 12	5M	742.3	5143		Band 2	20M	1960	900	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.63	23.86
CA_2A-7A-7A-13A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 13	10M	751	5230		23.25	23.46
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 13	10M	751	5230		Band 2	20M	1960	900	4x4MIMO	23.56	23.72
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.39	23.61
CA_2A-7A-7A-29A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 29	10M	722.5	9715		23.31	23.46
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 29	10M	722.5	9715		Band 2	20M	1960	900	4x4MIMO	23.51	23.72
CA_2A-7A-7A-66A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.30	23.46
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.58	23.72
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.44	23.60
CA_2A-7A-66A-66A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.22	23.46
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.52	23.72
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.39	23.60
CA_2A-7C-13A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 13	10M	751	5230		23.27	23.46
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 13	10M	751	5230		Band 2	20M	1960	900	4x4MIMO	23.54	23.72
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.41	23.61
CA_2A-7C-29A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 29	10M	722.5	9715		23.23	23.46
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 29	10M	722.5	9715		Band 2	20M	1960	900	4x4MIMO	23.50	23.72
CA_2A-7C-66A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.30	23.46
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.54	23.72
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 7	20M										



FCC SAR Test Report

Report No. : FA311602

CA_2A-13A-48C	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	23.42	23.46
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.52	23.61
CA_2A-13A-66A-66A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.31	23.46
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.47	23.61
CA_2A-13A-66B	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.37	23.46
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.56	23.61
CA_2A-13A-66C	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	23.41	23.46
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.56	23.61
CA_2A-14A-66A-66A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 14	10M	763	5330		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.38	23.46
	Band 14	Ant0	10M	793	23330	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.62	23.66
CA_2A-48A-48C	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3560	55340	4x4MIMO	Band 48	20M	3670.2	56442	4x4MIMO	Band 48	20M	3690	56640	4x4MIMO	23.37	23.46
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.39	23.46
CA_2A-48A-66A-66A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.47	23.60
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	23.47	23.60
CA_2A-48C-66A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.42	23.46
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	23.54	23.60
CA_2A-48D	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	23.34	23.46
CA_2A-66A-66A-66A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	23.36	23.46
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.50	23.60
CA_2A-66A-66A-71A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 71	20M	683	68786		23.41	23.46
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 71	20M	683	68786		Band 2	20M	1960	900	4x4MIMO	23.49	23.60
CA_2A-66A-66B	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	Band 66	5M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.80	23.84
	Band 66	Ant2	20M	1720	132072	QPSK	1	0	4x4MIMO	Band 66	5M	2145.7	66793	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.38	23.46
CA_2A-66A-66C	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	Band 66	20M	2150.2	66838	4x4MIMO	Band 66	20M	2170	67036	4x4MIMO	23.34	23.46
	Band 66	Ant2	20M	1720	132072	QPSK	1	0	4x4MIMO	Band 66	20M	2150.2	66838	4x4MIMO	Band 66	20M	2170	67036	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.52	23.60
CA_2A-66C-71A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 71	20M	683	68786		23.31	23.46
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 71	20M	683	68786		Band 2	20M	1960	900	4x4MIMO	23.48	23.60
CA_2A-66D	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 66	20M	2184.6	67182	4x4MIMO	23.33	23.46
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 66	20M	2184.6	67182	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.49	23.60
CA_2C-66A-66A	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.30	23.46
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	23.45	23.60
CA_4A-4A-5B	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		23.34	23.52
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.67	23.76
CA_4A-4A-12A-12A	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	743.5	5155		23.34	23.52
	Band 12	Ant0	5M	707.5	23095	QPSK	1	0		Band 12	5M	743.5	5155		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.74	23.86
CA_4A-4A-12B	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143		23.43	23.52
	Band 12	Ant0	5M	707.5	23095	QPSK	1	0		Band 12	5M	742.3	5143		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.68	23.86
CA_4A-48D	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	23.36	23.52
CA_5A-5A-66A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	891.5	2625		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.66	23.76
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		23.40	23.60
CA_5A-5A-66B	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	891.5	2625		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.56	23.76
	Band 66	Ant2	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		23.39	23.60
CA_5A-5A-66C	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	891.5	2625		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	23.70	23.76
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		23.49	23.60
CA_5A-7A-66A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.65	23.76
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66																



FCC SAR Test Report

Report No. : FA311602

	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	23.46	23.60
CA_5A-48D	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	23.61	23.76
CA_5A-66A-66B	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2120	66536	4x4MIMO	Band 66	5M	2145.7	66793	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	23.59	23.76
	Band 66	Ant2	20M	1720	132072	QPSK	1	0	4x4MIMO	Band 66	5M	2145.7	66793	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 5	5M	891.5	2625		23.47	23.60
CA_5A-66A-66C	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2120	66536	4x4MIMO	Band 66	20M	2150.2	66838	4x4MIMO	Band 66	20M	2170	67036	4x4MIMO	23.68	23.76
	Band 66	Ant2	20M	1720	132072	QPSK	1	0	4x4MIMO	Band 66	20M	2150.2	66688	4x4MIMO	Band 66	20M	2170	67036	4x4MIMO	Band 5	5M	891.5	2625		23.51	23.60
CA_5A-66D	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 66	20M	2184.6	67182	4x4MIMO	23.62	23.76
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 66	20M	2184.6	67182	4x4MIMO	Band 5	5M	891.5	2625		23.54	23.60
CA_5B-66A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.65	23.76
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		23.51	23.60
CA_5B-66B	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.58	23.76
	Band 66	Ant2	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		23.51	23.60
CA_5B-66C	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	23.68	23.76
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		23.55	23.60
CA_7A-7A-29A-66A	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 29	10M	722.5	9715		23.62	23.72
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 29	10M	722.5	9715		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.48	23.60
CA_7A-7A-66A-66A	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.55	23.72
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.43	23.60
CA_7A-12B-66A	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143		Band 66	20M	2155	66886	4x4MIMO	23.54	23.72
	Band 12	Ant0	5M	707.5	23095	QPSK	1	0		Band 12	5M	742.3	5143		Band 66	20M	2155	66886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.67	23.86
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143		23.49	23.60
CA_7C-29A-66A	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 29	10M	722.5	9715		23.54	23.72
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 29	10M	722.5	9715		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.51	23.60
CA_7C-66A-66A	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.53	23.72
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.48	23.60
CA_12B-66A-66A	Band 12	Ant0	5M	707.5	23095	QPSK	1	0		Band 12	5M	742.3	5143		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.74	23.86
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143		23.42	23.60
CA_13A-48A-48C	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3560	55340	4x4MIMO	Band 48	20M	3670.2	56442	4x4MIMO	Band 48	20M	3690	56640	4x4MIMO	23.52	23.61
CA_13A-48A-66B	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 66	15M	2145	66786	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	23.41	23.61
	Band 66	Ant2	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3609	55830	4x4MIMO	23.52	23.60
CA_13A-48A-66C	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	23.43	23.61
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3609	55830	4x4MIMO	23.55	23.60
CA_13A-48C-66A	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.46	23.61
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	23.51	23.60
CA_13A-48D	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	23.42	23.61
CA_13A-66A-66B	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 66	20M	2120	66536	4x4MIMO	Band 66	5M	2145.7	66793	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	23.42	23.61
	Band 66	Ant2	20M	1720	132072	QPSK	1	0	4x4MIMO	Band 66	5M	2145.7	66793	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 13	10M	751	5230		23.48	23.60
CA_13A-66A-66C	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 66	20M	2120	66536	4x4MIMO	Band 66	20M	2135.2	66688	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.41	23.61
	Band 66	Ant2	20M	1720	132072	QPSK	1	0	4x4MIMO	Band 66	20M	2135.2	66688	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 13	10M	751	5230		23.46	23.60
CA_13A-66D	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 66	20M	2184.6	67182	4x4MIMO	23.55	23.61
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 66	20M	2184.6	67182	4x4MIMO	Band 13	10M	751	5230		23.43	23.60
CA_14A-66A-66A-66A	Band 14	Ant0	10M	793	23330	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	23.48	23.66
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	Band 14	10M	763	5330		23.42	23.60
CA_25A-41D	Band 25	Ant2	20M	1880	26340	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	23.41	23.50
CA_41E	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	23.75	23.93
CA_48A-48A-66A-66A	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	6731													

LTE Carrier Aggregation Conducted Power (Uplink)

LTE Uplink CA	2CC Uplink Carrier Aggregation
Intra-band	Antenna Tx
CA_5B	Ant0
CA_7C	Ant 2
CA_38C	Ant 2
CA_41C	Ant 2
CA_48C	Ant5
CA_66B	Ant 2
CA_66C	Ant 2

<Intra-band>

General Note:

- i. The device supports intra-band uplink carrier aggregation for LTE B5/7/66/41/48 with a maximum of two uplink component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre 3GPP requirement.
- ii. The device supports uplink carrier aggregation with a maximum of two uplink component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre the 3GPP requirement.
- iii. According Nov. 2017 TCB workshop, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.
- iv. Additional SAR measurement for LTE UL CA with other DL CA combinations active were not required since the maximum output power for this configuration was not > 0.25dB higher than the maximum output power for UL CA active.
- v. LTE CA_66B test was covered by CA_66C; therefore, SAR was only assessed for CA_66C.

<UL CA Default Power>

Ant0									
CA_5B									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20450	20549	QPSK	1	49	1	0	23.74	25.00	
20476	20575	QPSK	1	49	1	0	23.82	25.00	
20600	20501	QPSK	1	0	1	49	23.76	25.00	

Ant2									
CA_66C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
132072	132270	QPSK	1	99	1	0	23.43	25.00	
132322	132520	QPSK	1	99	1	0	23.55	25.00	
132572	132374	QPSK	1	0	1	99	23.46	25.00	



Ant2

CA_66B								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	23.41	25.00
132322	132415	QPSK	1	74	1	0	23.54	25.00
132597	132504	QPSK	1	0	1	24	23.44	25.00

Ant2

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	23.53	25.00
21100	21298	QPSK	1	99	1	0	23.72	25.00
21350	21152	QPSK	1	0	1	99	23.61	25.00

Ant2

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	23.69	25.00
37901	38099	QPSK	1	99	1	0	23.75	25.00
38150	37952	QPSK	1	0	1	99	23.74	25.00

Ant2

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.40	25.00
40185	40383	QPSK	1	99	1	0	23.37	25.00
40620	40818	QPSK	1	99	1	0	23.59	25.00
41055	41253	QPSK	1	99	1	0	23.41	25.00
41490	41292	QPSK	1	0	1	99	23.43	25.00

Ant2

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.44	27.00
40185	40383	QPSK	1	99	1	0	25.36	27.00
40620	40818	QPSK	1	99	1	0	25.55	27.00
41055	41253	QPSK	1	99	1	0	25.41	27.00
41490	41292	QPSK	1	0	1	99	25.36	27.00

Ant5

CA_48C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	22.45	24.00
55830	56028	QPSK	1	99	1	0	22.60	24.00
56640	56442	QPSK	1	0	1	99	22.59	24.00



<UL CA Reduced Power>

DSI 1

Ant2

CA_7C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	1	0	21.54	22.60	
21100	21298	QPSK	1	99	1	0	21.60	22.60	
21350	21152	QPSK	1	0	1	99	21.57	22.60	

DSI 1

Ant5

CA_48C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
55340	55538	QPSK	1	99	1	0	20.25	21.90	
55830	56028	QPSK	1	99	1	0	20.39	21.90	
56640	56442	QPSK	1	0	1	99	20.37	21.90	

DSI 2

Ant5

CA_48C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
55340	55538	QPSK	1	99	1	0	21.34	22.80	
55830	56028	QPSK	1	99	1	0	21.51	22.80	
56640	56442	QPSK	1	0	1	99	21.47	22.80	

DSI 0

Ant5

CA_48C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
55340	55538	QPSK	1	99	1	0	21.16	22.40	
55830	56028	QPSK	1	99	1	0	21.31	22.40	
56640	56442	QPSK	1	0	1	99	21.00	22.40	

5G NR Output Power (Unit: dBm)

General Note:

1. 5G NR n2/n5/n7/n12/n25/n66/n71/n38/n41/n48/n77 is NSA mode.
2. 5G NR n2/n5/n7/n12/n13/n14/n25/n26/n66/n71/n38/n41/n48/n77 is SA 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 ½ dB higher than the same configuration in DFT-s QPSK and the reported SAR for the DFT-s QPSK configuration is ≤ 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 ½ 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 ≤ 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. PI/2 BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not ½ dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, 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 ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 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 supports HPUE, HPUE power and SAR testing performed separately.
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. 5G NR n77 supports UL MIMO.

<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		≤ 1	0
	16 QAM		≤ 2	≤ 1
	64 QAM		≤ 2.5	
	256 QAM		≤ 4.5	
CP-OFDM	QPSK	≤ 3		≤ 1.5
	16 QAM	≤ 3		≤ 2
	64 QAM		≤ 3.5	
	256 QAM		≤ 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	≤ 3.5	≤ 0.5	0
	QPSK	≤ 3.5	≤ 1	0
	16 QAM	≤ 3.5	≤ 2	≤ 1
	64 QAM	≤ 3.5		≤ 2.5
	256 QAM		≤ 4.5	
CP-OFDM	QPSK	≤ 3.5	≤ 3	≤ 1.5
	16 QAM	≤ 3.5	≤ 3	≤ 2
	64 QAM		≤ 3.5	
	256 QAM		≤ 6.5	

<EN-DC combination>

ENDC	LTE TX	NR TX
DC_2A_n5A	Ant 2	Ant 0
DC_2A_n7A	Ant 1	Ant 2
DC_2A_n12A	Ant 2	Ant 0
DC_2A_n38A	Ant 1	Ant 2
DC_2A_n41A	Ant 1	Ant 2
DC_2A_n48A	Ant 1	Ant 5
DC_2A_n66A	Ant 1	Ant 2
DC_2A_n71A	Ant 2	Ant 0
DC_2A_n77A	Ant 1	Ant 5
DC_4A_n38A	Ant 1	Ant 2
DC_4A_n41A	Ant 1	Ant 2
DC_5A_n2A	Ant 0	Ant 2
DC_5A_n7A	Ant 0	Ant 2
DC_5A_n38A	Ant 0	Ant 2
DC_5A_n48A	Ant 0	Ant 5
DC_5A_n66A	Ant 0	Ant 1
DC_5A_n77A	Ant 0	Ant 5
DC_7A_n66A	Ant 2	Ant 1
DC_7A_n71A	Ant 2	Ant 0
DC_7A_n77A	Ant 2	Ant 5
DC_12A_n2A	Ant 0	Ant 2
DC_12A_n7A	Ant 0	Ant 2
DC_12A_n25A	Ant 0	Ant 2
DC_12A_n38A	Ant 0	Ant 2
DC_12A_n41A	Ant 0	Ant 2
DC_12A_n66A	Ant 0	Ant 2
DC_12A_n77A	Ant 0	Ant 5
DC_13A_n2A	Ant 0	Ant 2



DC_13A_n7A	Ant 0	Ant 2
DC_13A_n48A	Ant 0	Ant 5
DC_13A_n66A	Ant 0	Ant 2
DC_13A_n77A	Ant 0	Ant 5
DC_14A_n2A	Ant 0	Ant 2
DC_14A_n66A	Ant 0	Ant 2
DC_14A_n77A	Ant 0	Ant 5
DC_25A_n41A	Ant 1	Ant 2
DC_26A_n41A	Ant 0	Ant 2
DC_48A_n5A	Ant 5	Ant 0
DC_48A_n25A	Ant 5	Ant 1
DC_48A_n66A	Ant 5	Ant 1
DC_66A_n2A	Ant 2	Ant 1
DC_66A_n5A	Ant 1	Ant 0
DC_66A_n7A	Ant 1	Ant 2
DC_66A_n12A	Ant 2	Ant 0
DC_66A_n25A	Ant 2	Ant 1
DC_66A_n38A	Ant 1	Ant 2
DC_66A_n41A	Ant 1	Ant 2
DC_66A_n48A	Ant 1	Ant 5
DC_66A_n71A	Ant 2	Ant 0
DC_66A_n77A	Ant 1	Ant 5
DC_71A_n38A	Ant 0	Ant 2
DC_71A_n66A	Ant 0	Ant 2
DC_71A_n2A	Ant 0	Ant 2
DC_2A-7A_n5A*	Ant 2	Ant 0

Note: * For EN-DC combinations with uplink assigned to one LTE band and one NR band only.

NR UL MIMO Bands Configuration:

NR UL MIMO	TX Ant	TX Ant
n77	Ant1	Ant5



Default Power Mode

n5 Ant0 Default								
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	25.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.99	24.03	23.92	24.5	0.5
20	PI/2 BPSK	1	53	23.85	24.00	23.88		
20	PI/2 BPSK	1	104	23.83	23.92	23.77		
20	PI/2 BPSK	50	0	23.33	23.50	23.34	25.0	0.0
20	PI/2 BPSK	50	28	23.87	24.04	23.89	24.5	0.5
20	PI/2 BPSK	50	56	23.29	23.44	23.38	25.0	0.0
20	PI/2 BPSK	100	0	23.47	23.56	23.40	24.5	0.5
20	QPSK	1	1	23.93	24.06	24.01	25.0	0.0
20	QPSK	1	53	23.76	23.86	23.76		
20	QPSK	1	104	23.82	23.84	23.79		
20	QPSK	50	0	22.93	22.98	22.90	24.0	1.0
20	QPSK	50	28	23.83	23.95	23.81	25.0	0.0
20	QPSK	50	56	22.74	22.86	22.71	24.0	1.0
20	QPSK	100	0	22.96	23.02	22.86		
20	16QAM	1	1	22.68	22.81	22.79	24.0	1.0
20	64QAM	1	1	21.41	21.57	21.49	22.5	2.5
20	256QAM	1	1	19.32	19.47	19.38	20.5	4.5
Channel				166300	167300	168300	25.0	0.0
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.88	23.97	23.89	25.0	0.0
Channel				165800	167300	168800	25.0	0.0
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.84	23.94	23.87	25.0	0.0
Channel				165300	167300	169300	25.0	0.0
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.85	23.92	23.86	25.0	0.0



n12 Ant0 Default								
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				141300	141500	141700	25.0	0.0
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	24.13	24.16	24.10		
15	PI/2 BPSK	1	40	23.87	24.01	23.91	24.5	0.5
15	PI/2 BPSK	1	77	23.92	24.06	24.00		
15	PI/2 BPSK	36	0	23.44	23.59	23.43		
15	PI/2 BPSK	36	22	23.91	23.97	23.85	24.5	0.0
15	PI/2 BPSK	36	43	23.44	23.52	23.44		
15	PI/2 BPSK	75	0	23.44	23.56	23.41		
15	QPSK	1	1	24.07	24.21	24.14	25.0	0.0
15	QPSK	1	40	24.00	24.11	23.94		
15	QPSK	1	77	23.98	24.00	23.90		
15	QPSK	36	0	22.98	23.08	23.02	24.0	1.0
15	QPSK	36	22	23.97	24.09	23.96		
15	QPSK	36	43	22.95	23.05	22.92		
15	QPSK	75	0	23.11	23.13	23.02	24.0	1.0
15	16QAM	1	1	23.09	23.24	23.12		
15	64QAM	1	1	21.76	21.81	21.71		
	256QAM	1	1	19.45	19.58	19.44	20.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.90	24.15	24.05	25.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.92	24.18	23.98	25.0	0.0



n13 Ant0 Default								
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					156400			
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		24.05		25.0	0.0
10	PI/2 BPSK	1	26		24.02			
10	PI/2 BPSK	1	50		24.00			
10	PI/2 BPSK	25	0		23.52		24.5	0.5
10	PI/2 BPSK	25	14		23.92		25.0	0.0
10	PI/2 BPSK	25	27		23.36		24.5	0.5
10	PI/2 BPSK	50	0		23.44			
10	QPSK	1	1		24.09		25.0	0.0
10	QPSK	1	26		23.94			
10	QPSK	1	50		24.02			
10	QPSK	25	0		22.96		24.0	1.0
10	QPSK	25	14		23.97		25.0	0.0
10	QPSK	25	27		22.81		24.0	1.0
10	QPSK	50	0		22.95			
10	16QAM	1	1		23.08		24.0	1.0
10	64QAM	1	1		21.31		22.5	2.5
10	256QAM	1	1		19.15		20.5	4.5
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	23.84	23.96	23.93	25.0	0.0



n14 Ant0 Default								
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					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		24.08		25.0	0.0
10	PI/2 BPSK	1	26		24.03			
10	PI/2 BPSK	1	50		23.98			
10	PI/2 BPSK	25	0		23.58		24.5	0.5
10	PI/2 BPSK	25	14		24.00		25.0	0.0
10	PI/2 BPSK	25	27		23.51		24.5	0.5
10	PI/2 BPSK	50	0		23.47			
10	QPSK	1	1		24.12		25.0	0.0
10	QPSK	1	26		23.97			
10	QPSK	1	50		24.02			
10	QPSK	25	0		23.04		24.0	1.0
10	QPSK	25	14		24.02		25.0	0.0
10	QPSK	25	27		22.93		24.0	1.0
10	QPSK	50	0		23.00			
10	16QAM	1	1		23.05		24.0	1.0
10	64QAM	1	1		21.63		22.5	2.5
10	256QAM	1	1		19.24		20.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.94	24.03	23.86	25.0	0.0



n26 Ant0 Default								
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	23.97	24.09	23.97	25.0	0.0
20	PI/2 BPSK	1	53	24.01	24.05	23.96		
20	PI/2 BPSK	1	104	23.94	24.00	23.92		
20	PI/2 BPSK	50	0	23.40	23.57	23.52	24.5	0.5
20	PI/2 BPSK	50	28	23.97	24.07	24.04	25.0	0.0
20	PI/2 BPSK	50	56	23.41	23.50	23.42	24.5	0.5
20	PI/2 BPSK	100	0	23.44	23.60	23.57		
20	QPSK	1	1	23.88	24.10	23.95	25.0	0.0
20	QPSK	1	53	24.04	24.09	23.93		
20	QPSK	1	104	23.93	24.02	23.92		
20	QPSK	50	0	22.84	22.99	22.82	24.0	1.0
20	QPSK	50	28	23.96	24.07	23.92	25.0	0.0
20	QPSK	50	56	22.82	22.92	22.90	24.0	1.0
20	QPSK	100	0	22.91	23.07	22.92		
20	16QAM	1	1	23.07	23.11	23.02	24.0	1.0
20	64QAM	1	1	21.60	21.63	21.52	22.5	2.5
20	256QAM	1	1	19.38	19.44	19.38	20.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	23.83	24.04	23.84	25.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	23.77	24.00	23.84	25.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	23.79	23.99	23.89	25.0	0.0



n71 Ant0 Default								
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	24.01	24.18	24.08	25.0	0.0
20	PI/2 BPSK	1	53	23.95	24.12	24.09		
20	PI/2 BPSK	1	104	24.00	24.09	24.06		
20	PI/2 BPSK	50	0	23.51	23.61	23.55	24.5	0.5
20	PI/2 BPSK	50	28	23.98	24.06	23.97	25.0	0.0
20	PI/2 BPSK	50	56	23.52	23.58	23.55	24.5	0.5
20	PI/2 BPSK	100	0	23.52	23.60	23.50		
20	QPSK	1	1	24.18	24.23	24.07	25.0	0.0
20	QPSK	1	53	24.06	24.20	24.09		
20	QPSK	1	104	23.97	24.14	24.00		
20	QPSK	50	0	22.90	23.05	22.89	24.0	1.0
20	QPSK	50	28	23.97	24.09	24.03	25.0	0.0
20	QPSK	50	56	22.92	23.08	23.01	24.0	1.0
20	QPSK	100	0	22.98	23.03	22.86		
20	16QAM	1	1	22.65	22.81	22.76	24.0	1.0
20	64QAM	1	1	21.56	21.72	21.57	22.5	2.5
20	256QAM	1	1	19.53	19.58	19.46	20.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	24.03	24.19	23.91	25.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	24.08	24.08	24.02	25.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	24.05	24.19	24.03	25.0	0.0



n41 PC3 Ant0 Default

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	21.65	21.73	21.60	23.0	0.0
100	PI/2 BPSK	1	137	21.60	21.66	21.54		
100	PI/2 BPSK	1	271	21.48	21.61	21.53		
100	PI/2 BPSK	135	0	21.10	21.17	21.11	22.5	0.5
100	PI/2 BPSK	135	69	21.56	21.69	21.60	23.0	0.0
100	PI/2 BPSK	135	138	20.82	20.91	20.86	22.5	0.5
100	PI/2 BPSK	270	0	20.92	20.99	20.91		
100	QPSK	1	1	21.74	21.79	21.67	23.0	0.0
100	QPSK	1	137	21.58	21.71	21.61		
100	QPSK	1	271	21.64	21.67	21.56		
100	QPSK	135	0	20.65	20.69	20.57	22.0	1.0
100	QPSK	135	69	21.67	21.72	21.59	23.0	0.0
100	QPSK	135	138	20.29	20.36	20.30	22.0	1.0
100	QPSK	270	0	20.40	20.54	20.50		
100	16QAM	1	1	20.60	20.73	20.61	22.0	1.0
100	64QAM	1	1	19.01	19.11	19.07	20.5	2.5
100	256QAM	1	1	16.74	16.86	16.80	18.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.61	21.72	21.57	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.67	21.70	21.62	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.70	21.65	21.52	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.64	21.71	21.63	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.70	21.74	21.63	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.70	21.69	21.58	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.63	21.65	21.53	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.59	21.66	21.63	23.0	0.0



Part270 n77 PC3 Ant0 Default

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	21.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.05	21.17	21.14	21.5	0.0
100	PI/2 BPSK	1	137	21.06	21.13	21.02		
100	PI/2 BPSK	1	271	20.72	20.85	20.81		
100	PI/2 BPSK	135	0	20.61	20.66	20.62	21.0	0.5
100	PI/2 BPSK	135	69	20.98	21.04	21.00	21.5	0.0
100	PI/2 BPSK	135	138	20.33	20.46	20.34	21.0	0.5
100	PI/2 BPSK	270	0	20.43	20.54	20.50		
100	QPSK	1	1	20.54	21.23	20.17	21.5	0.0
100	QPSK	1	137	21.10	21.20	21.05		
100	QPSK	1	271	20.80	20.92	20.86		
100	QPSK	135	0	20.30	20.31	20.24	20.5	1.0
100	QPSK	135	69	21.03	21.15	21.05	21.5	0.0
100	QPSK	135	138	20.13	20.16	20.10	20.5	1.0
100	QPSK	270	0	20.21	20.28	20.19		
100	16QAM	1	1	20.20	20.21	20.11	20.5	1.0
100	64QAM	1	1	18.62	18.67	18.64	19.0	2.5
100	256QAM	1	1	16.43	16.54	16.50	17.0	4.5
Channel				649668	656000	662334	21.5	0.0
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.41	21.09	20.16	21.5	0.0
Channel				649334	656000	662668	21.5	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.52	21.17	20.10	21.5	0.0
Channel				649000	656000	663000	21.5	0.0
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.45	21.16	20.17	21.5	0.0
Channel				648668	656000	663334	21.5	0.0
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.51	21.19	20.06	21.5	0.0
Channel				648334	656000	663668	21.5	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.42	21.10	20.14	21.5	0.0
Channel				648000	656000	664000	21.5	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.41	21.17	20.14	21.5	0.0
Channel				647668	656000	664334	21.5	0.0
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.51	21.17	20.06	21.5	0.0
Channel				647334	656000	664668	21.5	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.46	21.11	20.10	21.5	0.0



Part27Q n77 PC3 Ant0 Default

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		21.5	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.71		21.0	0.5
100	PI/2 BPSK	1	137		19.67			
100	PI/2 BPSK	1	271		19.64			
100	PI/2 BPSK	135	0		19.24		21.5	0.0
100	PI/2 BPSK	135	69		19.66			
100	PI/2 BPSK	135	138		19.05		21.0	0.5
100	PI/2 BPSK	270	0		19.12			
100	QPSK	1	1		19.76		21.5	0.0
100	QPSK	1	137		19.71			
100	QPSK	1	271		19.66			
100	QPSK	135	0		18.67		20.5	1.0
100	QPSK	135	69		19.71			
100	QPSK	135	138		18.56		20.5	1.0
100	QPSK	270	0		18.64			
100	16QAM	1	1		18.69		20.5	1.0
100	64QAM	1	1		17.13		19.0	2.5
100	256QAM	1	1		15.20		17.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.65	19.66	19.54	21.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.63	19.70	19.64	21.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.60	19.62	19.66	21.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.62	19.64	19.60	21.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.66	19.67	19.64	21.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.60	19.68	19.62	21.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.58	19.72	19.61	21.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.68	19.70	19.60	21.5	0.0



n2 Ant1 Default								
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	25.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	24.05	24.09	23.99		
20	PI/2 BPSK	1	53	24.02	24.12	23.92	24.5	0.5
20	PI/2 BPSK	1	104	23.95	24.06	24.05		
20	PI/2 BPSK	50	0	23.39	23.60	23.56		
20	PI/2 BPSK	50	28	23.90	24.10	24.08	24.5	0.0
20	PI/2 BPSK	50	56	23.42	23.58	23.49		
20	PI/2 BPSK	100	0	23.54	23.60	23.41		
20	QPSK	1	1	24.11	24.14	24.06	25.0	0.0
20	QPSK	1	53	23.91	24.09	23.93		
20	QPSK	1	104	23.88	24.08	24.04		
20	QPSK	50	0	23.10	23.10	23.07	24.0	1.0
20	QPSK	50	28	23.92	24.11	24.05		
20	QPSK	50	56	23.03	23.06	23.00		
20	QPSK	100	0	23.00	23.05	22.92	25.0	0.0
20	16QAM	1	1	22.93	23.00	22.99		
20	64QAM	1	1	21.44	21.45	21.40		
20	256QAM	1	1	19.50	19.50	19.39	24.0	1.0
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	24.00	24.02	23.98	25.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.93	24.13	23.89	25.0	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	24.05	24.11	24.08	25.0	0.0



n25 Ant1 Default								
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				374000	376500	379000	25.0	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	24.06	24.18	24.13		
40	PI/2 BPSK	1	108	24.04	24.12	24.06	24.5	0.5
40	PI/2 BPSK	1	214	23.99	24.10	23.91		
40	PI/2 BPSK	108	0	23.51	23.63	23.58		
40	PI/2 BPSK	108	54	23.11	23.08	23.01	25.0	0.0
40	PI/2 BPSK	108	108	23.64	23.66	23.58	24.5	0.5
40	PI/2 BPSK	216	0	23.39	23.60	23.51		
40	QPSK	1	1	24.14	24.22	24.17		
40	QPSK	1	108	24.10	24.21	24.03	25.0	0.0
40	QPSK	1	214	24.03	24.13	24.12		
40	QPSK	108	0	23.06	23.14	23.14		
40	QPSK	108	54	23.98	24.10	24.01	25.0	0.0
40	QPSK	108	108	22.96	23.11	23.06	24.0	1.0
40	QPSK	216	0	23.02	23.15	22.96		
40	16QAM	1	1	22.89	23.05	22.98		
40	64QAM	1	1	21.38	21.47	21.27	22.5	2.5
40	256QAM	1	1	19.46	19.55	19.45	20.5	4.5
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	24.04	24.06	24.16	25.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.99	24.03	24.16	25.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.96	24.19	24.02	25.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	24.07	24.03	23.95	25.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.95	24.11	24.10	25.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	24.14	24.08	24.04	25.0	0.0



n66 Ant1 Default								
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	25.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	24.27	24.29	24.21		
40	PI/2 BPSK	1	108	24.23	24.23	24.18	24.5	0.5
40	PI/2 BPSK	1	214	24.04	24.16	23.98		
40	PI/2 BPSK	108	0	23.45	23.63	23.49	25.0	0.0
40	PI/2 BPSK	108	54	24.12	24.23	24.19	24.5	0.5
40	PI/2 BPSK	108	108	23.75	23.95	23.73		
40	PI/2 BPSK	216	0	23.65	23.78	23.57	25.0	0.0
40	QPSK	1	1	24.33	24.35	24.24		
40	QPSK	1	108	24.17	24.23	24.13		
40	QPSK	1	214	24.23	24.27	24.11	24.0	1.0
40	QPSK	108	0	23.03	23.09	22.87		
40	QPSK	108	54	24.07	24.27	24.20	25.0	0.0
40	QPSK	108	108	23.05	23.24	23.23	24.0	1.0
40	QPSK	216	0	23.26	23.31	23.19		
40	16QAM	1	1	22.76	22.90	22.70	24.0	1.0
40	64QAM	1	1	21.22	21.36	21.29	22.5	2.5
40	256QAM	1	1	19.45	19.48	19.37	20.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.17	24.25	24.03	25.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.12	24.18	24.16	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	24.17	24.22	24.20	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	24.23	24.19	24.18	25.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	24.34	24.23	24.12	25.0	0.0



Part270 n77 PC3 Ant1 Default								
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	23.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.42	22.48	22.38		
100	PI/2 BPSK	1	137	22.36	22.43	22.32	22.5	0.5
100	PI/2 BPSK	1	271	22.27	22.36	22.26		
100	PI/2 BPSK	135	0	21.94	21.98	21.84		
100	PI/2 BPSK	135	69	22.36	22.42	22.31	22.5	0.5
100	PI/2 BPSK	135	138	21.84	21.93	21.80		
100	PI/2 BPSK	270	0	21.86	21.99	21.91		
100	QPSK	1	1	22.46	22.52	22.41	23.0	0.0
100	QPSK	1	137	22.33	22.44	22.30		
100	QPSK	1	271	22.32	22.40	22.33		
100	QPSK	135	0	21.45	21.53	21.45	22.0	1.0
100	QPSK	135	69	22.40	22.46	22.41		
100	QPSK	135	138	21.29	21.41	21.37		
100	QPSK	270	0	21.31	21.45	21.41	22.0	1.0
100	16QAM	1	1	21.10	21.22	21.14		
100	64QAM	1	1	20.05	20.17	20.08		
100	256QAM	1	1	17.68	17.73	17.64	18.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.39	22.39	22.36	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	22.31	22.45	22.38	23.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.42	22.39	22.29	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	22.41	22.49	22.33	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	22.38	22.39	22.33	23.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.34	22.40	22.34	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	22.39	22.46	22.32	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	22.40	22.43	22.28	23.0	0.0



Part27Q n77 PC3 Ant1 Default								
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		22.09		23.0	0.0
100	PI/2 BPSK	1	137		22.03			
100	PI/2 BPSK	1	271		21.97			
100	PI/2 BPSK	135	0		21.57		22.5	0.5
100	PI/2 BPSK	135	69		22.03		23.0	0.0
100	PI/2 BPSK	135	138		21.29		22.5	0.5
100	PI/2 BPSK	270	0		21.35			
100	QPSK	1	1		22.16		23.0	0.0
100	QPSK	1	137		22.08			
100	QPSK	1	271		22.03			
100	QPSK	135	0		21.03		22.0	1.0
100	QPSK	135	69		22.11		23.0	0.0
100	QPSK	135	138		20.88		22.0	1.0
100	QPSK	270	0		20.94			
100	16QAM	1	1		21.12		22.0	1.0
100	64QAM	1	1		19.41		20.5	2.5
100	256QAM	1	1		17.28		18.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.98	22.07	21.99	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	22.02	22.04	22.02	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	22.00	22.09	22.08	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	21.93	22.13	22.06	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	22.02	22.04	22.08	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	21.99	22.11	22.03	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	21.98	22.10	22.01	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	22.00	22.03	22.09	23.0	0.0



n2 Ant2 Default								
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	25.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.97	24.02	23.85		
20	PI/2 BPSK	1	53	23.91	23.99	23.91	24.5	0.5
20	PI/2 BPSK	1	104	23.59	23.69	23.54		
20	PI/2 BPSK	50	0	23.26	23.40	23.36		
20	PI/2 BPSK	50	28	23.79	23.95	23.84	24.5	0.5
20	PI/2 BPSK	50	56	23.41	23.44	23.32		
20	PI/2 BPSK	100	0	23.30	23.40	23.33		
20	QPSK	1	1	23.92	24.06	23.89	25.0	0.0
20	QPSK	1	53	23.74	24.09	23.66		
20	QPSK	1	104	23.49	23.61	23.57		
20	QPSK	50	0	22.81	23.03	22.60	24.0	1.0
20	QPSK	50	28	23.73	23.99	23.65	25.0	0.0
20	QPSK	50	56	22.60	22.76	22.67	24.0	1.0
20	QPSK	100	0	22.81	22.95	22.92		
20	16QAM	1	1	22.64	22.68	22.64	24.0	1.0
20	64QAM	1	1	21.31	21.48	21.35	22.5	2.5
20	256QAM	1	1	19.36	19.40	19.25	20.5	4.5
Channel				371500	376000	380500	25.0	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.64	24.06	23.54	25.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905	25.0	0.0
10	QPSK	1	1	23.59	23.99	23.60		
Channel				370500	376000	381500	25.0	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.72	23.93	23.59	25.0	0.0



n7 Ant2 Default

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	24.46	24.48	24.42		
40	PI/2 BPSK	1	108	24.41	24.51	24.38	25.0	0.0
40	PI/2 BPSK	1	214	24.40	24.54	24.44		
40	PI/2 BPSK	108	0	23.89	24.06	23.94		
40	PI/2 BPSK	108	54	24.32	24.47	24.44	25.0	0.0
40	PI/2 BPSK	108	108	23.98	24.11	24.06	24.5	0.5
40	PI/2 BPSK	216	0	23.82	23.99	23.94		
40	QPSK	1	1	24.24	24.56	24.42	25.0	0.0
40	QPSK	1	108	24.51	24.54	24.49		
40	QPSK	1	214	24.43	24.49	24.40		
40	QPSK	108	0	23.35	23.47	23.38	24.0	1.0
40	QPSK	108	54	24.21	24.44	24.33	25.0	0.0
40	QPSK	108	108	23.39	23.53	23.39	24.0	1.0
40	QPSK	216	0	23.30	23.51	23.38		
40	16QAM	1	1	23.23	23.27	23.22	24.0	1.0
40	64QAM	1	1	22.02	22.08	22.01	22.5	2.5
40	256QAM	1	1	19.91	20.03	20.00	20.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	24.20	24.52	24.33	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	24.07	24.47	24.25	25.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	24.16	24.42	24.29	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	24.22	24.49	24.35	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.20	24.43	24.39	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	24.16	24.53	24.37	25.0	0.0



n25 Ant2 Default

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				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.78	23.89	23.76		
40	PI/2 BPSK	1	108	23.97	24.12	24.04	25.0	0.0
40	PI/2 BPSK	1	214	23.87	24.03	23.92		
40	PI/2 BPSK	108	0	23.45	23.62	23.55		
40	PI/2 BPSK	108	54	23.98	24.10	23.94	25.0	0.0
40	PI/2 BPSK	108	108	23.23	23.36	23.30	24.5	0.5
40	PI/2 BPSK	216	0	23.47	23.58	23.52		
40	QPSK	1	1	23.86	24.14	24.02	25.0	0.0
40	QPSK	1	108	23.70	23.80	23.70		
40	QPSK	1	214	23.69	23.84	23.80		
40	QPSK	108	0	22.95	23.05	22.89	24.0	1.0
40	QPSK	108	54	23.87	24.01	23.85	25.0	0.0
40	QPSK	108	108	22.76	22.90	22.81	24.0	1.0
40	QPSK	216	0	23.04	23.07	23.01		
40	16QAM	1	1	22.58	22.74	22.63	24.0	1.0
40	64QAM	1	1	21.39	21.51	21.44	22.5	2.5
40	256QAM	1	1	19.44	19.47	19.31	20.5	4.5
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.81	23.99	23.98	25.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.75	24.06	23.88	25.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.79	24.01	23.99	25.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.72	23.99	23.88	25.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.79	24.10	23.85	25.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.69	24.09	23.86	25.0	0.0



n66 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.99	24.09	23.93	25.0	0.0
40	PI/2 BPSK	1	108	23.96	24.02	23.92		
40	PI/2 BPSK	1	214	23.93	24.03	23.88		
40	PI/2 BPSK	108	0	23.38	23.46	23.33	24.5	0.5
40	PI/2 BPSK	108	54	23.90	23.97	23.80	25.0	0.0
40	PI/2 BPSK	108	108	23.56	23.61	23.59	24.5	0.5
40	PI/2 BPSK	216	0	23.54	23.56	23.49		
40	QPSK	1	1	24.08	24.16	23.99	25.0	0.0
40	QPSK	1	108	23.94	24.07	24.03		
40	QPSK	1	214	23.93	24.10	24.03		
40	QPSK	108	0	22.96	23.02	22.90	24.0	1.0
40	QPSK	108	54	23.94	24.04	24.01	25.0	0.0
40	QPSK	108	108	23.00	23.03	22.94	24.0	1.0
40	QPSK	216	0	23.01	23.07	22.98		
40	16QAM	1	1	22.76	22.86	22.83	24.0	1.0
40	64QAM	1	1	21.43	21.58	21.44	22.5	2.5
40	256QAM	1	1	19.41	19.49	19.35	20.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.05	24.07	23.89	25.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.00	24.03	23.89	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.92	24.12	23.87	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.99	24.14	23.95	25.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.94	24.04	23.84	25.0	0.0



n38 Ant2 Default								
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	24.09	24.11	23.98	25.0	0.0
40	PI/2 BPSK	1	53	24.20	24.24	24.10		
40	PI/2 BPSK	1	104	24.07	24.21	24.12		
40	PI/2 BPSK	50	0	23.58	23.72	23.69	24.5	0.5
40	PI/2 BPSK	50	28	24.12	24.21	24.06	25.0	0.0
40	PI/2 BPSK	50	56	23.75	23.78	23.61	24.5	0.5
40	PI/2 BPSK	100	0	23.59	23.67	23.52		
40	QPSK	1	1	24.06	24.28	24.17	25.0	0.0
40	QPSK	1	53	23.94	24.08	23.92		
40	QPSK	1	104	24.10	24.13	24.08		
40	QPSK	50	0	23.18	23.21	23.15	24.0	1.0
40	QPSK	50	28	24.03	24.20	24.04	25.0	0.0
40	QPSK	50	56	23.11	23.17	23.01	24.0	1.0
40	QPSK	100	0	23.08	23.16	23.09		
40	16QAM	1	1	22.81	22.89	22.78	24.0	1.0
40	64QAM	1	1	21.57	21.64	21.52	22.5	2.5
40	256QAM	1	1	19.42	19.48	19.36	20.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	24.02	24.20	24.02	25.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.90	24.25	24.07	25.0	0.0



n41 PC3 Ant2 Default								
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	24.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.99	23.12	22.95		
100	PI/2 BPSK	1	137	22.92	23.07	22.99	23.5	0.5
100	PI/2 BPSK	1	271	22.88	22.96	22.89		
100	PI/2 BPSK	135	0	22.59	22.64	22.55		
100	PI/2 BPSK	135	69	22.96	23.09	23.06	24.0	0.0
100	PI/2 BPSK	135	138	22.34	22.48	22.40		
100	PI/2 BPSK	270	0	22.43	22.56	22.39		
100	QPSK	1	1	22.98	23.14	23.05	24.0	0.0
100	QPSK	1	137	22.88	22.99	22.91		
100	QPSK	1	271	22.67	22.83	22.71		
100	QPSK	135	0	22.07	22.12	22.06	23.0	1.0
100	QPSK	135	69	22.93	23.10	22.96		
100	QPSK	135	138	21.82	21.98	21.88		
100	QPSK	270	0	22.00	22.02	21.91	23.0	1.0
100	16QAM	1	1	22.26	22.29	22.17		
100	64QAM	1	1	20.59	20.62	20.48		
100	256QAM	1	1	18.23	18.33	18.25	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	22.96	23.01	22.94	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	22.88	23.02	22.89	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	22.85	23.10	22.97	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	22.95	23.11	22.88	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	22.93	23.09	23.00	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	22.83	23.07	23.00	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	22.96	23.03	23.03	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	22.84	23.01	22.97	24.0	0.0



n41 PC2 Ant2 Default

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	26.16	26.24	26.15	27.0	0.0
100	PI/2 BPSK	1	137	26.06	26.20	26.10		
100	PI/2 BPSK	1	271	26.06	26.15	26.01		
100	PI/2 BPSK	135	0	25.79	25.82	25.68	26.5	0.5
100	PI/2 BPSK	135	69	26.11	26.18	26.05	27.0	0.0
100	PI/2 BPSK	135	138	25.56	25.61	25.46	26.5	0.5
100	PI/2 BPSK	270	0	25.70	25.74	25.67		
100	QPSK	1	1	26.15	26.26	26.09	27.0	0.0
100	QPSK	1	137	25.89	26.04	25.91		
100	QPSK	1	271	25.81	25.92	25.80		
100	QPSK	135	0	25.16	25.19	25.04	26.0	1.0
100	QPSK	135	69	26.14	26.19	26.12	27.0	0.0
100	QPSK	135	138	24.92	25.04	24.95	26.0	1.0
100	QPSK	270	0	25.07	25.16	25.03		
100	16QAM	1	1	24.96	24.98	24.96	26.0	1.0
100	64QAM	1	1	23.70	23.76	23.73	24.5	2.5
100	256QAM	1	1	21.49	21.59	21.54	22.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	26.00	26.17	25.99	27.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	26.09	26.17	25.96	27.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	26.11	26.12	26.03	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	26.13	26.18	25.97	27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	26.03	26.18	26.05	27.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	26.12	26.12	25.96	27.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	26.05	26.09	26.04	27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.99	26.10	25.95	27.0	0.0



n41 PC3 Ant3 Default								
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	23.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.93	22.06	22.00		
100	PI/2 BPSK	1	137	21.94	22.02	21.93	22.5	0.5
100	PI/2 BPSK	1	271	21.83	21.97	21.88		
100	PI/2 BPSK	135	0	21.55	21.64	21.60		
100	PI/2 BPSK	135	69	21.85	21.95	21.92	23.0	0.0
100	PI/2 BPSK	135	138	21.46	21.49	21.40		
100	PI/2 BPSK	270	0	21.40	21.54	21.50		
100	QPSK	1	1	22.05	22.13	22.08	23.0	0.0
100	QPSK	1	137	21.98	22.09	22.04		
100	QPSK	1	271	21.93	22.01	21.96		
100	QPSK	135	0	21.03	21.11	21.06	22.0	1.0
100	QPSK	135	69	22.01	22.05	21.95		
100	QPSK	135	138	20.86	20.97	20.93		
100	QPSK	270	0	20.95	21.09	20.96	22.0	1.0
100	16QAM	1	1	21.01	21.14	21.07		
100	64QAM	1	1	19.34	19.43	19.36		
100	256QAM	1	1	17.08	17.22	17.15	18.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.92	22.03	21.97	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.93	21.98	22.04	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.94	21.99	22.02	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.91	22.08	22.02	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.98	21.98	21.95	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.93	22.09	21.98	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.97	22.07	22.05	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.99	22.05	22.05	23.0	0.0



n41 PC3 Ant4 Default								
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	22.31	22.37	22.24	23.0	0.0
100	PI/2 BPSK	1	137	22.19	22.31	22.26		
100	PI/2 BPSK	1	271	22.15	22.28	22.23		
100	PI/2 BPSK	135	0	21.82	21.95	21.90	22.5	0.5
100	PI/2 BPSK	135	69	22.26	22.33	22.20	23.0	0.0
100	PI/2 BPSK	135	138	21.67	21.79	21.66	22.5	0.5
100	PI/2 BPSK	270	0	21.76	21.87	21.82		
100	QPSK	1	1	22.38	22.43	22.29	23.0	0.0
100	QPSK	1	137	22.33	22.38	22.23		
100	QPSK	1	271	22.23	22.33	22.20		
100	QPSK	135	0	21.35	21.46	21.40	22.0	1.0
100	QPSK	135	69	22.24	22.36	22.24	23.0	0.0
100	QPSK	135	138	21.08	21.23	21.19	22.0	1.0
100	QPSK	270	0	21.27	21.41	21.36		
100	16QAM	1	1	21.35	21.46	21.40	22.0	1.0
100	64QAM	1	1	19.66	19.73	19.60	20.5	2.5
100	256QAM	1	1	17.39	17.53	17.48	18.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.24	22.34	22.14	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.26	22.40	22.18	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.32	22.38	22.22	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.27	22.36	22.18	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.33	22.39	22.22	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.34	22.39	22.22	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.29	22.30	22.15	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.28	22.36	22.22	23.0	0.0



n48 Part96 Ant5 Default								
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				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
40	PI/2 BPSK	1	1	23.36	23.38	23.35	24.0	0.0
40	PI/2 BPSK	1	53	23.23	23.35	23.32		
40	PI/2 BPSK	1	104	23.39	23.42	23.27		
40	PI/2 BPSK	50	0	22.89	22.95	22.84	23.5	0.5
40	PI/2 BPSK	50	28	23.38	23.40	23.25	24.0	0.0
40	PI/2 BPSK	50	56	22.85	22.93	22.86	23.5	0.5
40	PI/2 BPSK	100	0	22.76	22.84	22.71		
40	QPSK	1	1	23.30	23.43	23.26	24.0	0.0
40	QPSK	1	53	23.14	23.27	23.17		
40	QPSK	1	104	23.21	23.35	23.22		
40	QPSK	50	0	22.21	22.37	22.22	23.0	1.0
40	QPSK	50	28	23.30	23.40	23.25	24.0	0.0
40	QPSK	50	56	22.30	22.39	22.26	23.0	1.0
40	QPSK	100	0	22.28	22.32	22.17		
40	16QAM	1	1	22.49	22.64	22.57	23.0	1.0
40	64QAM	1	1	20.92	20.95	20.79	21.5	2.5
40	256QAM	1	1	18.66	18.78	18.73	19.5	4.5
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	23.14	23.41	23.24	24.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	23.25	23.40	23.13	24.0	0.0



Part270 n77 PC3 Ant5 Default

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	22.91	23.06	22.95	24.0	0.0
100	PI/2 BPSK	1	137	22.91	23.00	22.81		
100	PI/2 BPSK	1	271	22.88	23.02	22.93		
100	PI/2 BPSK	135	0	22.44	22.56	22.38	23.5	0.5
100	PI/2 BPSK	135	69	22.95	23.03	22.88	24.0	0.0
100	PI/2 BPSK	135	138	22.31	22.42	22.30	23.5	0.5
100	PI/2 BPSK	270	0	22.42	22.45	22.38		
100	QPSK	1	1	22.94	23.09	22.89	24.0	0.0
100	QPSK	1	137	22.77	22.91	22.72		
100	QPSK	1	271	22.76	22.87	22.69		
100	QPSK	135	0	21.90	21.97	21.77	23.0	1.0
100	QPSK	135	69	22.75	22.89	22.77	24.0	0.0
100	QPSK	135	138	21.81	21.91	21.74	23.0	1.0
100	QPSK	270	0	21.87	21.94	21.76		
100	16QAM	1	1	22.07	22.17	22.04	23.0	1.0
100	64QAM	1	1	20.37	20.54	20.35	21.5	2.5
100	256QAM	1	1	18.29	18.37	18.19	19.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.77	22.96	22.74	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	22.87	22.97	22.77	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.79	23.05	22.83	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	22.83	23.06	22.82	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	22.86	23.04	22.73	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.79	23.02	22.86	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	22.91	23.06	22.84	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	22.81	23.01	22.84	24.0	0.0



Part270 n77 PC2 Ant5 Default

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	27.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	26.00	26.05	25.90	27.0	0.0
100	PI/2 BPSK	1	137	26.00	26.03	25.89		
100	PI/2 BPSK	1	271	25.71	25.84	25.76		
100	PI/2 BPSK	135	0	25.55	25.59	25.53	26.5	0.5
100	PI/2 BPSK	135	69	25.93	26.00	25.89	27.0	0.0
100	PI/2 BPSK	135	138	25.43	25.56	25.46	26.5	0.5
100	PI/2 BPSK	270	0	25.45	25.55	25.43		
100	QPSK	1	1	26.00	26.08	25.92	27.0	0.0
100	QPSK	1	137	25.79	25.85	25.80		
100	QPSK	1	271	25.77	25.81	25.69		
100	QPSK	135	0	24.94	25.02	24.90	26.0	1.0
100	QPSK	135	69	25.97	26.03	25.96	27.0	0.0
100	QPSK	135	138	24.92	24.96	24.92	26.0	1.0
100	QPSK	270	0	24.96	25.04	24.96		
100	16QAM	1	1	25.18	25.21	25.08	26.0	1.0
100	64QAM	1	1	23.44	23.56	23.46	24.5	2.5
100	256QAM	1	1	21.24	21.38	21.30	22.5	4.5
Channel				649668	656000	662334	27.0	0.0
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.95	25.98	25.82	27.0	0.0
Channel				649334	656000	662668	27.0	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	25.93	25.93	25.80	27.0	0.0
Channel				649000	656000	663000	27.0	0.0
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	25.88	26.03	25.86	27.0	0.0
Channel				648668	656000	663334	27.0	0.0
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	25.96	25.94	25.90	27.0	0.0
Channel				648334	656000	663668	27.0	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.95	25.97	25.80	27.0	0.0
Channel				648000	656000	664000	27.0	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	25.84	25.99	25.86	27.0	0.0
Channel				647668	656000	664334	27.0	0.0
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	25.89	25.97	25.85	27.0	0.0
Channel				647334	656000	664668	27.0	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.91	26.02	25.76	27.0	0.0



Part27Q n77 PC3 Ant5 Default								
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		22.80		24.0	0.0
100	PI/2 BPSK	1	137		22.75			
100	PI/2 BPSK	1	271		22.78			
100	PI/2 BPSK	135	0		22.33		23.5	0.5
100	PI/2 BPSK	135	69		22.74		24.0	0.0
100	PI/2 BPSK	135	138		22.15		23.5	0.5
100	PI/2 BPSK	270	0		22.29			
100	QPSK	1	1		22.82		24.0	0.0
100	QPSK	1	137		22.63			
100	QPSK	1	271		22.76			
100	QPSK	135	0		21.79		23.0	1.0
100	QPSK	135	69		22.74		24.0	0.0
100	QPSK	135	138		21.68		23.0	1.0
100	QPSK	270	0		21.79			
100	16QAM	1	1		22.01		23.0	1.0
100	64QAM	1	1		20.36		21.5	2.5
100	256QAM	1	1		18.29		19.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.74	22.69	22.68	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	22.77	22.65	22.74	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	22.67	22.74	22.75	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	22.65	22.76	22.69	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	22.70	22.68	22.64	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	22.76	22.71	22.68	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	22.77	22.79	22.76	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	22.66	22.72	22.68	24.0	0.0



Part27Q n77 PC2 Ant5 Default

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		25.76			
100	PI/2 BPSK	1	137		25.59		26.5	0.5
100	PI/2 BPSK	1	271		25.65			
100	PI/2 BPSK	135	0		25.36		27.0	0.0
100	PI/2 BPSK	135	69		25.50			
100	PI/2 BPSK	135	138		25.24		26.5	0.5
100	PI/2 BPSK	270	0		25.12			
100	QPSK	1	1		25.81		27.0	0.0
100	QPSK	1	137		25.65			
100	QPSK	1	271		25.53			
100	QPSK	135	0		24.84		26.0	1.0
100	QPSK	135	69		25.67			
100	QPSK	135	138		24.79		26.0	1.0
100	QPSK	270	0		24.72			
100	16QAM	1	1		24.91		26.0	1.0
100	64QAM	1	1		23.33		24.5	2.5
100	256QAM	1	1		21.23		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	25.75	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	25.65	25.77	25.65	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	25.70	25.67	25.76	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	25.73	25.77	25.67	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	25.71	25.71	25.64	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	25.61	25.77	25.69	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	25.69	25.79	25.72	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	25.60	25.79	25.64	27.0	0.0



Part270 n77 PC3 Ant6 Default

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	23.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.11	22.16	22.02	23.0	0.0
100	PI/2 BPSK	1	137	22.05	22.13	22.06		
100	PI/2 BPSK	1	271	21.97	22.09	21.98		
100	PI/2 BPSK	135	0	21.57	21.62	21.53	22.5	0.5
100	PI/2 BPSK	135	69	22.02	22.10	21.98	23.0	0.0
100	PI/2 BPSK	135	138	21.46	21.51	21.37	22.5	0.5
100	PI/2 BPSK	270	0	21.51	21.59	21.52		
100	QPSK	1	1	22.17	22.22	22.09	23.0	0.0
100	QPSK	1	137	22.10	22.18	22.06		
100	QPSK	1	271	22.07	22.13	22.02		
100	QPSK	135	0	21.02	21.14	21.01	22.0	1.0
100	QPSK	135	69	22.11	22.18	22.10	23.0	0.0
100	QPSK	135	138	21.00	21.09	21.05	22.0	1.0
100	QPSK	270	0	21.04	21.17	21.06		
100	16QAM	1	1	21.05	21.12	20.98	22.0	1.0
100	64QAM	1	1	19.42	19.47	19.42	20.5	2.5
100	256QAM	1	1	17.18	17.26	17.13	18.5	4.5
Channel				649668	656000	662334	23.0	0.0
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.07	22.17	22.03	23.0	0.0
Channel				649334	656000	662668		
Frequency (MHz)				3740.01	3840	3940.02	23.0	0.0
80	QPSK	1	1	22.04	22.10	22.01		
Channel				649000	656000	663000	23.0	0.0
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.10	22.13	21.99	23.0	0.0
Channel				648668	656000	663334		
Frequency (MHz)				3730.02	3840	3950.01	23.0	0.0
60	QPSK	1	1	22.09	22.19	22.05		
Channel				648334	656000	663668	23.0	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.04	22.14	22.02	23.0	0.0
Channel				648000	656000	664000		
Frequency (MHz)				3720	3840	3960	23.0	0.0
40	QPSK	1	1	22.05	22.18	22.00		
Channel				647668	656000	664334	23.0	0.0
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.05	22.15	21.96	23.0	0.0
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02	23.0	0.0
20	QPSK	1	1	22.04	22.12	22.05		



Part27Q n77 PC3 Ant6 Default

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		21.37			
100	PI/2 BPSK	1	137		21.32		22.5	0.5
100	PI/2 BPSK	1	271		21.21			
100	PI/2 BPSK	135	0		20.78			
100	PI/2 BPSK	135	69		21.25		23.0	0.0
100	PI/2 BPSK	135	138		20.68			
100	PI/2 BPSK	270	0		20.75			
100	QPSK	1	1		21.41		23.0	0.0
100	QPSK	1	137		21.34			
100	QPSK	1	271		21.26			
100	QPSK	135	0		20.22		22.0	1.0
100	QPSK	135	69		21.36			
100	QPSK	135	138		20.19			
100	QPSK	270	0		20.26		22.0	1.0
100	16QAM	1	1		20.47			
100	64QAM	1	1		18.74			
100	256QAM	1	1		16.56		18.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.20	21.31	21.29	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	21.21	21.35	21.27	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	21.22	21.28	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	21.30	21.34	21.31	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	21.30	21.31	21.28	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	21.23	21.27	21.25	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	21.22	21.28	21.27	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	21.25	21.36	21.28	23.0	0.0



Reduced Power Mode for DSI 0

n5 Ant0 Default								
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	23.99	24.03	23.92	25.0	0.0
20	PI/2 BPSK	1	53	23.85	24.00	23.88		
20	PI/2 BPSK	1	104	23.83	23.92	23.77		
20	PI/2 BPSK	50	0	23.33	23.50	23.34	24.5	0.5
20	PI/2 BPSK	50	28	23.87	24.04	23.89	25.0	0.0
20	PI/2 BPSK	50	56	23.29	23.44	23.38	24.5	0.5
20	PI/2 BPSK	100	0	23.47	23.56	23.40		
20	QPSK	1	1	23.93	24.06	24.01	25.0	0.0
20	QPSK	1	53	23.76	23.86	23.76		
20	QPSK	1	104	23.82	23.84	23.79		
20	QPSK	50	0	22.93	22.98	22.90	24.0	1.0
20	QPSK	50	28	23.83	23.95	23.81	25.0	0.0
20	QPSK	50	56	22.74	22.86	22.71	24.0	1.0
20	QPSK	100	0	22.96	23.02	22.86		
20	16QAM	1	1	22.68	22.81	22.79	24.0	1.0
20	64QAM	1	1	21.41	21.57	21.49	22.5	2.5
20	256QAM	1	1	19.32	19.47	19.38	20.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.88	23.97	23.89	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.84	23.94	23.87	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.85	23.92	23.86	25.0	0.0



n12 Ant0 Default								
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				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	24.13	24.16	24.10	25.0	0.0
15	PI/2 BPSK	1	40	23.87	24.01	23.91		
15	PI/2 BPSK	1	77	23.92	24.06	24.00		
15	PI/2 BPSK	36	0	23.44	23.59	23.43	24.5	0.5
15	PI/2 BPSK	36	22	23.91	23.97	23.85	25.0	0.0
15	PI/2 BPSK	36	43	23.44	23.52	23.44	24.5	0.5
15	PI/2 BPSK	75	0	23.44	23.56	23.41		
15	QPSK	1	1	24.07	24.21	24.14	25.0	0.0
15	QPSK	1	40	24.00	24.11	23.94		
15	QPSK	1	77	23.98	24.00	23.90		
15	QPSK	36	0	22.98	23.08	23.02	24.0	1.0
15	QPSK	36	22	23.97	24.09	23.96	25.0	0.0
15	QPSK	36	43	22.95	23.05	22.92	24.0	1.0
15	QPSK	75	0	23.11	23.13	23.02		
15	16QAM	1	1	23.09	23.24	23.12	24.0	1.0
15	64QAM	1	1	21.76	21.81	21.71	22.5	2.5
	256QAM	1	1	19.45	19.58	19.44	20.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.90	24.15	24.05	25.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.92	24.18	23.98	25.0	0.0



n13 Ant0 Default								
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					156400		25.0	0.0
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		24.05		25.0	0.0
10	PI/2 BPSK	1	26		24.02			
10	PI/2 BPSK	1	50		24.00			
10	PI/2 BPSK	25	0		23.52		24.5	0.5
10	PI/2 BPSK	25	14		23.92		25.0	0.0
10	PI/2 BPSK	25	27		23.36		24.5	0.5
10	PI/2 BPSK	50	0		23.44			
10	QPSK	1	1		24.09		25.0	0.0
10	QPSK	1	26		23.94			
10	QPSK	1	50		24.02			
10	QPSK	25	0		22.96		24.0	1.0
10	QPSK	25	14		23.97		25.0	0.0
10	QPSK	25	27		22.81		24.0	1.0
10	QPSK	50	0		22.95			
10	16QAM	1	1		23.08		24.0	1.0
10	64QAM	1	1		21.31		22.5	2.5
10	256QAM	1	1		19.15		20.5	4.5
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	23.84	23.96	23.93	25.0	0.0



n14 Ant0 Default								
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					158600		25.0	0.0
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		24.08		25.0	0.0
10	PI/2 BPSK	1	26		24.03			
10	PI/2 BPSK	1	50		23.98			
10	PI/2 BPSK	25	0		23.58		24.5	0.5
10	PI/2 BPSK	25	14		24.00		25.0	0.0
10	PI/2 BPSK	25	27		23.51		24.5	0.5
10	PI/2 BPSK	50	0		23.47			
10	QPSK	1	1		24.12		25.0	0.0
10	QPSK	1	26		23.97			
10	QPSK	1	50		24.02			
10	QPSK	25	0		23.04		24.0	1.0
10	QPSK	25	14		24.02		25.0	0.0
10	QPSK	25	27		22.93		24.0	1.0
10	QPSK	50	0		23.00			
10	16QAM	1	1		23.05		24.0	1.0
10	64QAM	1	1		21.63		22.5	2.5
10	256QAM	1	1		19.24		20.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.94	24.03	23.86	25.0	0.0



n26 Ant0 Default								
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	25.0	0.0
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	23.97	24.09	23.97		
20	PI/2 BPSK	1	53	24.01	24.05	23.96	24.5	0.5
20	PI/2 BPSK	1	104	23.94	24.00	23.92		
20	PI/2 BPSK	50	0	23.40	23.57	23.52		
20	PI/2 BPSK	50	28	23.97	24.07	24.04	24.5	0.0
20	PI/2 BPSK	50	56	23.41	23.50	23.42		
20	PI/2 BPSK	100	0	23.44	23.60	23.57		
20	QPSK	1	1	23.88	24.10	23.95	25.0	0.0
20	QPSK	1	53	24.04	24.09	23.93		
20	QPSK	1	104	23.93	24.02	23.92		
20	QPSK	50	0	22.84	22.99	22.82	24.0	1.0
20	QPSK	50	28	23.96	24.07	23.92		
20	QPSK	50	56	22.82	22.92	22.90		
20	QPSK	100	0	22.91	23.07	22.92	25.0	0.0
20	16QAM	1	1	23.07	23.11	23.02		
20	64QAM	1	1	21.60	21.63	21.52		
20	256QAM	1	1	19.38	19.44	19.38	20.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	23.83	24.04	23.84	25.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	23.77	24.00	23.84	25.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	23.79	23.99	23.89	25.0	0.0



n71 Ant0 Default								
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	24.01	24.18	24.08	25.0	0.0
20	PI/2 BPSK	1	53	23.95	24.12	24.09		
20	PI/2 BPSK	1	104	24.00	24.09	24.06		
20	PI/2 BPSK	50	0	23.51	23.61	23.55	24.5	0.5
20	PI/2 BPSK	50	28	23.98	24.06	23.97	25.0	0.0
20	PI/2 BPSK	50	56	23.52	23.58	23.55	24.5	0.5
20	PI/2 BPSK	100	0	23.52	23.60	23.50		
20	QPSK	1	1	24.18	24.23	24.07	25.0	0.0
20	QPSK	1	53	24.06	24.20	24.09		
20	QPSK	1	104	23.97	24.14	24.00		
20	QPSK	50	0	22.90	23.05	22.89	24.0	1.0
20	QPSK	50	28	23.97	24.09	24.03	25.0	0.0
20	QPSK	50	56	22.92	23.08	23.01	24.0	1.0
20	QPSK	100	0	22.98	23.03	22.86		
20	16QAM	1	1	22.65	22.81	22.76	24.0	1.0
20	64QAM	1	1	21.56	21.72	21.57	22.5	2.5
20	256QAM	1	1	19.53	19.58	19.46	20.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	24.03	24.19	23.91	25.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	24.08	24.08	24.02	25.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	24.05	24.19	24.03	25.0	0.0



n41 PC3 Ant0 Default								
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	21.65	21.73	21.60	23.0	0.0
100	PI/2 BPSK	1	137	21.60	21.66	21.54		
100	PI/2 BPSK	1	271	21.48	21.61	21.53		
100	PI/2 BPSK	135	0	21.10	21.17	21.11	22.5	0.5
100	PI/2 BPSK	135	69	21.56	21.69	21.60	23.0	0.0
100	PI/2 BPSK	135	138	20.82	20.91	20.86	22.5	0.5
100	PI/2 BPSK	270	0	20.92	20.99	20.91		
100	QPSK	1	1	21.74	21.79	21.67	23.0	0.0
100	QPSK	1	137	21.58	21.71	21.61		
100	QPSK	1	271	21.64	21.67	21.56		
100	QPSK	135	0	20.65	20.69	20.57	22.0	1.0
100	QPSK	135	69	21.67	21.72	21.59	23.0	0.0
100	QPSK	135	138	20.29	20.36	20.30	22.0	1.0
100	QPSK	270	0	20.40	20.54	20.50		
100	16QAM	1	1	20.60	20.73	20.61	22.0	1.0
100	64QAM	1	1	19.01	19.11	19.07	20.5	2.5
100	256QAM	1	1	16.74	16.86	16.80	18.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.61	21.72	21.57	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.67	21.70	21.62	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.70	21.65	21.52	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.64	21.71	21.63	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.70	21.74	21.63	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.70	21.69	21.58	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.63	21.65	21.53	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.59	21.66	21.63	23.0	0.0



Part270 n77 PC3 Ant0 DSI 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.05	21.17	21.14	21.5	0.0
100	PI/2 BPSK	1	137	21.06	21.13	21.02		
100	PI/2 BPSK	1	271	20.72	20.85	20.81		
100	PI/2 BPSK	135	0	20.61	20.66	20.62	21.0	0.5
100	PI/2 BPSK	135	69	20.98	21.04	21.00	21.5	0.0
100	PI/2 BPSK	135	138	20.33	20.46	20.34	21.0	0.5
100	PI/2 BPSK	270	0	20.43	20.54	20.50		
100	QPSK	1	1	20.54	21.23	20.17	21.5	0.0
100	QPSK	1	137	21.10	21.20	21.05		
100	QPSK	1	271	20.80	20.92	20.86		
100	QPSK	135	0	20.30	20.31	20.24	20.5	1.0
100	QPSK	135	69	21.03	21.15	21.05	21.5	0.0
100	QPSK	135	138	20.13	20.16	20.10	20.5	1.0
100	QPSK	270	0	20.21	20.28	20.19		
100	16QAM	1	1	20.20	20.21	20.11	20.5	1.0
100	64QAM	1	1	18.62	18.67	18.64	19.0	2.5
100	256QAM	1	1	16.43	16.54	16.50	17.0	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.41	21.09	20.16	21.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.52	21.17	20.10	21.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.45	21.16	20.17	21.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.51	21.19	20.06	21.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.42	21.10	20.14	21.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.41	21.17	20.14	21.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.51	21.17	20.06	21.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.46	21.11	20.10	21.5	0.0



Part27Q n77 PC3 Ant0 DSI 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		21.5	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.71		21.5	0.0
100	PI/2 BPSK	1	137		19.67			
100	PI/2 BPSK	1	271		19.64			
100	PI/2 BPSK	135	0		19.24		21.0	0.5
100	PI/2 BPSK	135	69		19.66		21.5	0.0
100	PI/2 BPSK	135	138		19.05		21.0	0.5
100	PI/2 BPSK	270	0		19.12			
100	QPSK	1	1		19.76		21.5	0.0
100	QPSK	1	137		19.71			
100	QPSK	1	271		19.66			
100	QPSK	135	0		18.67		20.5	1.0
100	QPSK	135	69		19.71		21.5	0.0
100	QPSK	135	138		18.56		20.5	1.0
100	QPSK	270	0		18.64			
100	16QAM	1	1		18.69		20.5	1.0
100	64QAM	1	1		17.13		19.0	2.5
100	256QAM	1	1		15.20		17.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.65	19.66	19.54	21.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.63	19.70	19.64	21.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.60	19.62	19.66	21.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.62	19.64	19.60	21.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.66	19.67	19.64	21.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.60	19.68	19.62	21.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.58	19.72	19.61	21.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.68	19.70	19.60	21.5	0.0



n2 Ant1 Default								
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	25.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	24.05	24.09	23.99		
20	PI/2 BPSK	1	53	24.02	24.12	23.92	24.5	0.5
20	PI/2 BPSK	1	104	23.95	24.06	24.05		
20	PI/2 BPSK	50	0	23.39	23.60	23.56	25.0	0.0
20	PI/2 BPSK	50	28	23.90	24.10	24.08	24.5	0.5
20	PI/2 BPSK	50	56	23.42	23.58	23.49		
20	PI/2 BPSK	100	0	23.54	23.60	23.41	25.0	0.0
20	QPSK	1	1	24.11	24.14	24.06		
20	QPSK	1	53	23.91	24.09	23.93		
20	QPSK	1	104	23.88	24.08	24.04	24.0	1.0
20	QPSK	50	0	23.10	23.10	23.07		
20	QPSK	50	28	23.92	24.11	24.05	25.0	0.0
20	QPSK	50	56	23.03	23.06	23.00	24.0	1.0
20	QPSK	100	0	23.00	23.05	22.92		
20	16QAM	1	1	22.93	23.00	22.99	24.0	1.0
20	64QAM	1	1	21.44	21.45	21.40	22.5	2.5
20	256QAM	1	1	19.50	19.50	19.39	20.5	4.5
Channel				371500	376000	380500	25.0	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	24.00	24.02	23.98	25.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905	25.0	0.0
10	QPSK	1	1	23.93	24.13	23.89		
Channel				370500	376000	381500	25.0	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	24.05	24.11	24.08	25.0	0.0



n25 Ant1 Default								
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				374000	376500	379000	25.0	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	24.06	24.18	24.13		
40	PI/2 BPSK	1	108	24.04	24.12	24.06	24.5	0.5
40	PI/2 BPSK	1	214	23.99	24.10	23.91		
40	PI/2 BPSK	108	0	23.51	23.63	23.58		
40	PI/2 BPSK	108	54	23.11	23.08	23.01	25.0	0.0
40	PI/2 BPSK	108	108	23.64	23.66	23.58	24.5	0.5
40	PI/2 BPSK	216	0	23.39	23.60	23.51		
40	QPSK	1	1	24.14	24.22	24.17		
40	QPSK	1	108	24.10	24.21	24.03	25.0	0.0
40	QPSK	1	214	24.03	24.13	24.12		
40	QPSK	108	0	23.06	23.14	23.14		
40	QPSK	108	54	23.98	24.10	24.01	25.0	0.0
40	QPSK	108	108	22.96	23.11	23.06	24.0	1.0
40	QPSK	216	0	23.02	23.15	22.96		
40	16QAM	1	1	22.89	23.05	22.98		
40	64QAM	1	1	21.38	21.47	21.27	22.5	2.5
40	256QAM	1	1	19.46	19.55	19.45	20.5	4.5
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	24.04	24.06	24.16	25.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.99	24.03	24.16	25.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.96	24.19	24.02	25.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	24.07	24.03	23.95	25.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.95	24.11	24.10	25.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	24.14	24.08	24.04	25.0	0.0



n66 Ant1 DSI 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	25.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.80	23.80	23.62		
40	PI/2 BPSK	1	108	23.57	23.62	23.51	24.5	0.5
40	PI/2 BPSK	1	214	23.66	23.73	23.47		
40	PI/2 BPSK	108	0	23.45	23.63	23.49		
40	PI/2 BPSK	108	54	23.76	23.79	23.67	25.0	0.0
40	PI/2 BPSK	108	108	23.54	23.59	23.42		
40	PI/2 BPSK	216	0	23.60	23.63	23.44		
40	QPSK	1	1	23.86	23.88	23.73	24.5	0.5
40	QPSK	1	108	23.66	23.71	23.66		
40	QPSK	1	214	23.70	23.76	23.58		
40	QPSK	108	0	23.03	23.09	22.87	25.0	0.0
40	QPSK	108	54	23.76	23.81	23.63		
40	QPSK	108	108	23.05	23.24	23.23		
40	QPSK	216	0	23.26	23.31	23.19	24.0	1.0
40	16QAM	1	1	22.76	22.90	22.70		
40	64QAM	1	1	21.22	21.36	21.29		
40	256QAM	1	1	19.45	19.48	19.37	20.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.82	23.84	23.65	25.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.74	23.83	23.61	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.75	23.74	23.62	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.74	23.75	23.59	25.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.71	23.80	23.70	25.0	0.0



Part270 n77 PC3 Ant1 Default

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	22.42	22.48	22.38	23.0	0.0
100	PI/2 BPSK	1	137	22.36	22.43	22.32		
100	PI/2 BPSK	1	271	22.27	22.36	22.26		
100	PI/2 BPSK	135	0	21.94	21.98	21.84	22.5	0.5
100	PI/2 BPSK	135	69	22.36	22.42	22.31	23.0	0.0
100	PI/2 BPSK	135	138	21.84	21.93	21.80	22.5	0.5
100	PI/2 BPSK	270	0	21.86	21.99	21.91		
100	QPSK	1	1	22.46	22.52	22.41	23.0	0.0
100	QPSK	1	137	22.33	22.44	22.30		
100	QPSK	1	271	22.32	22.40	22.33		
100	QPSK	135	0	21.45	21.53	21.45	22.0	1.0
100	QPSK	135	69	22.40	22.46	22.41	23.0	0.0
100	QPSK	135	138	21.29	21.41	21.37	22.0	1.0
100	QPSK	270	0	21.31	21.45	21.41		
100	16QAM	1	1	21.10	21.22	21.14	22.0	1.0
100	64QAM	1	1	20.05	20.17	20.08	20.5	2.5
100	256QAM	1	1	17.68	17.73	17.64	18.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.39	22.39	22.36	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	22.31	22.45	22.38	23.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.42	22.39	22.29	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	22.41	22.49	22.33	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	22.38	22.39	22.33	23.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.34	22.40	22.34	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	22.39	22.46	22.32	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	22.40	22.43	22.28	23.0	0.0



Part27Q n77 PC3 Ant1 Default

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		22.09			
100	PI/2 BPSK	1	137		22.03		22.5	0.5
100	PI/2 BPSK	1	271		21.97			
100	PI/2 BPSK	135	0		21.57			
100	PI/2 BPSK	135	69		22.03		22.5	0.5
100	PI/2 BPSK	135	138		21.29			
100	PI/2 BPSK	270	0		21.35			
100	QPSK	1	1		22.16		23.0	0.0
100	QPSK	1	137		22.08			
100	QPSK	1	271		22.03			
100	QPSK	135	0		21.03		22.0	1.0
100	QPSK	135	69		22.11			
100	QPSK	135	138		20.88			
100	QPSK	270	0		20.94		22.0	1.0
100	16QAM	1	1		21.12			
100	64QAM	1	1		19.41			
100	256QAM	1	1		17.28		18.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.98	22.07	21.99	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	22.02	22.04	22.02	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	22.00	22.09	22.08	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	21.93	22.13	22.06	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	22.02	22.04	22.08	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	21.99	22.11	22.03	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	21.98	22.10	22.01	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	22.00	22.03	22.09	23.0	0.0



n2 Ant2 Default								
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	25.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.97	24.02	23.85		
20	PI/2 BPSK	1	53	23.91	23.99	23.91	24.5	0.5
20	PI/2 BPSK	1	104	23.59	23.69	23.54		
20	PI/2 BPSK	50	0	23.26	23.40	23.36		
20	PI/2 BPSK	50	28	23.79	23.95	23.84	25.0	0.0
20	PI/2 BPSK	50	56	23.41	23.44	23.32		
20	PI/2 BPSK	100	0	23.30	23.40	23.33		
20	QPSK	1	1	23.92	24.06	23.89	24.0	1.0
20	QPSK	1	53	23.74	24.09	23.66		
20	QPSK	1	104	23.49	23.61	23.57		
20	QPSK	50	0	22.81	23.03	22.60	25.0	0.0
20	QPSK	50	28	23.73	23.99	23.65		
20	QPSK	50	56	22.60	22.76	22.67		
20	QPSK	100	0	22.81	22.95	22.92	24.0	1.0
20	16QAM	1	1	22.64	22.68	22.64		
20	64QAM	1	1	21.31	21.48	21.35		
20	256QAM	1	1	19.36	19.40	19.25	20.5	4.5
Channel				371500	376000	380500	25.0	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.64	24.06	23.54	25.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905	25.0	0.0
10	QPSK	1	1	23.59	23.99	23.60		
Channel				370500	376000	381500	25.0	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.72	23.93	23.59	25.0	0.0



n7 Ant2 Default								
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	25.0	0.0
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	24.46	24.48	24.42	25.0	0.0
40	PI/2 BPSK	1	108	24.41	24.51	24.38		
40	PI/2 BPSK	1	214	24.40	24.54	24.44		
40	PI/2 BPSK	108	0	23.89	24.06	23.94	24.5	0.5
40	PI/2 BPSK	108	54	24.32	24.47	24.44	25.0	0.0
40	PI/2 BPSK	108	108	23.98	24.11	24.06	24.5	0.5
40	PI/2 BPSK	216	0	23.82	23.99	23.94		
40	QPSK	1	1	24.24	24.56	24.42	25.0	0.0
40	QPSK	1	108	24.51	24.54	24.49		
40	QPSK	1	214	24.43	24.49	24.40		
40	QPSK	108	0	23.35	23.47	23.38	24.0	1.0
40	QPSK	108	54	24.21	24.44	24.33	25.0	0.0
40	QPSK	108	108	23.39	23.53	23.39	24.0	1.0
40	QPSK	216	0	23.30	23.51	23.38		
40	16QAM	1	1	23.23	23.27	23.22	24.0	1.0
40	64QAM	1	1	22.02	22.08	22.01	22.5	2.5
40	256QAM	1	1	19.91	20.03	20.00	20.5	4.5
Channel				503000	507000	511000	25.0	0.0
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	24.20	24.52	24.33	25.0	0.0
Channel				502500	507000	511500	25.0	0.0
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	24.07	24.47	24.25	25.0	0.0
Channel				502000	507000	512000	25.0	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	24.16	24.42	24.29	25.0	0.0
Channel				501500	507000	512500	25.0	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.22	24.49	24.35	25.0	0.0
Channel				501000	507000	513000	25.0	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.20	24.43	24.39	25.0	0.0
Channel				500500	507000	513500	25.0	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	24.16	24.53	24.37	25.0	0.0



n25 Ant2 Default								
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				374000	376500	379000	25.0	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.78	23.89	23.76	24.5	0.5
40	PI/2 BPSK	1	108	23.97	24.12	24.04		
40	PI/2 BPSK	1	214	23.87	24.03	23.92		
40	PI/2 BPSK	108	0	23.45	23.62	23.55	25.0	0.0
40	PI/2 BPSK	108	54	23.98	24.10	23.94	24.5	0.5
40	PI/2 BPSK	108	108	23.23	23.36	23.30	25.0	0.0
40	PI/2 BPSK	216	0	23.47	23.58	23.52	24.5	0.5
40	QPSK	1	1	23.86	24.14	24.02	25.0	0.0
40	QPSK	1	108	23.70	23.80	23.70		
40	QPSK	1	214	23.69	23.84	23.80		
40	QPSK	108	0	22.95	23.05	22.89	24.0	1.0
40	QPSK	108	54	23.87	24.01	23.85	25.0	0.0
40	QPSK	108	108	22.76	22.90	22.81	24.0	1.0
40	QPSK	216	0	23.04	23.07	23.01	24.0	1.0
40	16QAM	1	1	22.58	22.74	22.63	24.0	1.0
40	64QAM	1	1	21.39	21.51	21.44	22.5	2.5
40	256QAM	1	1	19.44	19.47	19.31	20.5	4.5
Channel				373000	376500	380000	25.0	0.0
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.81	23.99	23.98	25.0	0.0
Channel				372500	376500	380500	25.0	0.0
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.75	24.06	23.88	25.0	0.0
Channel				372000	376500	381000	25.0	0.0
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.79	24.01	23.99	25.0	0.0
Channel				371500	376500	381500	25.0	0.0
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.72	23.99	23.88	25.0	0.0
Channel				371000	376500	382000	25.0	0.0
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.79	24.10	23.85	25.0	0.0
Channel				370500	376500	382500	25.0	0.0
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.69	24.09	23.86	25.0	0.0



n66 Ant2 Default								
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	25.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.99	24.09	23.93		
40	PI/2 BPSK	1	108	23.96	24.02	23.92	24.5	0.5
40	PI/2 BPSK	1	214	23.93	24.03	23.88		
40	PI/2 BPSK	108	0	23.38	23.46	23.33		
40	PI/2 BPSK	108	54	23.90	23.97	23.80	25.0	0.0
40	PI/2 BPSK	108	108	23.56	23.61	23.59	24.5	0.5
40	PI/2 BPSK	216	0	23.54	23.56	23.49		
40	QPSK	1	1	24.08	24.16	23.99		
40	QPSK	1	108	23.94	24.07	24.03	25.0	0.0
40	QPSK	1	214	23.93	24.10	24.03		
40	QPSK	108	0	22.96	23.02	22.90		
40	QPSK	108	54	23.94	24.04	24.01	25.0	0.0
40	QPSK	108	108	23.00	23.03	22.94	24.0	1.0
40	QPSK	216	0	23.01	23.07	22.98		
40	16QAM	1	1	22.76	22.86	22.83		
40	64QAM	1	1	21.43	21.58	21.44	22.5	2.5
40	256QAM	1	1	19.41	19.49	19.35	20.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.05	24.07	23.89	25.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.00	24.03	23.89	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.92	24.12	23.87	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.99	24.14	23.95	25.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.94	24.04	23.84	25.0	0.0



n38 Ant2 Default								
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	24.09	24.11	23.98	25.0	0.0
40	PI/2 BPSK	1	53	24.20	24.24	24.10		
40	PI/2 BPSK	1	104	24.07	24.21	24.12		
40	PI/2 BPSK	50	0	23.58	23.72	23.69	24.5	0.5
40	PI/2 BPSK	50	28	24.12	24.21	24.06	25.0	0.0
40	PI/2 BPSK	50	56	23.75	23.78	23.61	24.5	0.5
40	PI/2 BPSK	100	0	23.59	23.67	23.52		
40	QPSK	1	1	24.06	24.28	24.17	25.0	0.0
40	QPSK	1	53	23.94	24.08	23.92		
40	QPSK	1	104	24.10	24.13	24.08		
40	QPSK	50	0	23.18	23.21	23.15	24.0	1.0
40	QPSK	50	28	24.03	24.20	24.04	25.0	0.0
40	QPSK	50	56	23.11	23.17	23.01	24.0	1.0
40	QPSK	100	0	23.08	23.16	23.09		
40	16QAM	1	1	22.81	22.89	22.78	24.0	1.0
40	64QAM	1	1	21.57	21.64	21.52	22.5	2.5
40	256QAM	1	1	19.42	19.48	19.36	20.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	24.02	24.20	24.02	25.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.90	24.25	24.07	25.0	0.0



n41 PC3 Ant2 Default								
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	22.99	23.12	22.95	24.0	0.0
100	PI/2 BPSK	1	137	22.92	23.07	22.99		
100	PI/2 BPSK	1	271	22.88	22.96	22.89		
100	PI/2 BPSK	135	0	22.59	22.64	22.55	23.5	0.5
100	PI/2 BPSK	135	69	22.96	23.09	23.06	24.0	0.0
100	PI/2 BPSK	135	138	22.34	22.48	22.40	23.5	0.5
100	PI/2 BPSK	270	0	22.43	22.56	22.39		
100	QPSK	1	1	22.98	23.14	23.05	24.0	0.0
100	QPSK	1	137	22.88	22.99	22.91		
100	QPSK	1	271	22.67	22.83	22.71		
100	QPSK	135	0	22.07	22.12	22.06	23.0	1.0
100	QPSK	135	69	22.93	23.10	22.96	24.0	0.0
100	QPSK	135	138	21.82	21.98	21.88	23.0	1.0
100	QPSK	270	0	22.00	22.02	21.91		
100	16QAM	1	1	22.26	22.29	22.17	23.0	1.0
100	64QAM	1	1	20.59	20.62	20.48	21.5	2.5
100	256QAM	1	1	18.23	18.33	18.25	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	22.96	23.01	22.94	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	22.88	23.02	22.89	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	22.85	23.10	22.97	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	22.95	23.11	22.88	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	22.93	23.09	23.00	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	22.83	23.07	23.00	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	22.96	23.03	23.03	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	22.84	23.01	22.97	24.0	0.0



n41 PC2 Ant2 DSI 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	26.3	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	25.09	25.14	25.06	26.3	0.0
100	PI/2 BPSK	1	137	24.95	25.09	25.02		
100	PI/2 BPSK	1	271	24.94	25.04	24.92		
100	PI/2 BPSK	135	0	25.11	25.16	25.13	26.3	0.0
100	PI/2 BPSK	135	69	25.10	25.14	25.07	26.3	0.0
100	PI/2 BPSK	135	138	24.88	25.01	24.95	26.3	0.0
100	PI/2 BPSK	270	0	25.00	25.07	24.93		
100	QPSK	1	1	25.14	25.26	25.21	26.3	0.0
100	QPSK	1	137	25.04	25.16	25.12		
100	QPSK	1	271	25.03	25.14	24.99		
100	QPSK	135	0	25.16	25.19	25.04	26.0	0.3
100	QPSK	135	69	25.19	25.23	25.15	26.3	0.0
100	QPSK	135	138	24.92	25.04	24.95	26.0	0.3
100	QPSK	270	0	25.07	25.16	25.03		
100	16QAM	1	1	24.86	24.94	24.91	26.0	0.3
100	64QAM	1	1	23.70	23.76	23.73	24.5	1.8
100	256QAM	1	1	21.49	21.59	21.54	22.5	3.8
Channel				508200	518598	528996	26.3	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.05	25.14	25.14	26.3	0.0
Channel				507204	518598	529998	26.3	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.04	25.22	25.06	26.3	0.0
Channel				506202	518598	531000	26.3	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.01	25.17	25.11	26.3	0.0
Channel				505200	518598	531996	26.3	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.04	25.19	25.08	26.3	0.0
Channel				504204	518598	532998	26.3	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.99	25.12	25.07	26.3	0.0
Channel				503202	518598	534000	26.3	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.07	25.13	25.16	26.3	0.0
Channel				502200	518598	534996	26.3	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.09	25.23	25.09	26.3	0.0
Channel				501204	518598	535998	26.3	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.03	25.21	25.07	26.3	0.0



n41 PC3 Ant3 Default								
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	21.93	22.06	22.00	23.0	0.0
100	PI/2 BPSK	1	137	21.94	22.02	21.93		
100	PI/2 BPSK	1	271	21.83	21.97	21.88		
100	PI/2 BPSK	135	0	21.55	21.64	21.60	22.5	0.5
100	PI/2 BPSK	135	69	21.85	21.95	21.92	23.0	0.0
100	PI/2 BPSK	135	138	21.46	21.49	21.40	22.5	0.5
100	PI/2 BPSK	270	0	21.40	21.54	21.50		
100	QPSK	1	1	22.05	22.13	22.08	23.0	0.0
100	QPSK	1	137	21.98	22.09	22.04		
100	QPSK	1	271	21.93	22.01	21.96		
100	QPSK	135	0	21.03	21.11	21.06	22.0	1.0
100	QPSK	135	69	22.01	22.05	21.95	23.0	0.0
100	QPSK	135	138	20.86	20.97	20.93	22.0	1.0
100	QPSK	270	0	20.95	21.09	20.96		
100	16QAM	1	1	21.01	21.14	21.07	22.0	1.0
100	64QAM	1	1	19.34	19.43	19.36	20.5	2.5
100	256QAM	1	1	17.08	17.22	17.15	18.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.92	22.03	21.97	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.93	21.98	22.04	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.94	21.99	22.02	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.91	22.08	22.02	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.98	21.98	21.95	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.93	22.09	21.98	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.97	22.07	22.05	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.99	22.05	22.05	23.0	0.0



n41 PC3 Ant4 Default								
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	22.31	22.37	22.24	23.0	0.0
100	PI/2 BPSK	1	137	22.19	22.31	22.26		
100	PI/2 BPSK	1	271	22.15	22.28	22.23		
100	PI/2 BPSK	135	0	21.82	21.95	21.90	22.5	0.5
100	PI/2 BPSK	135	69	22.26	22.33	22.20	23.0	0.0
100	PI/2 BPSK	135	138	21.67	21.79	21.66	22.5	0.5
100	PI/2 BPSK	270	0	21.76	21.87	21.82		
100	QPSK	1	1	22.38	22.43	22.29	23.0	0.0
100	QPSK	1	137	22.33	22.38	22.23		
100	QPSK	1	271	22.23	22.33	22.20		
100	QPSK	135	0	21.35	21.46	21.40	22.0	1.0
100	QPSK	135	69	22.24	22.36	22.24	23.0	0.0
100	QPSK	135	138	21.08	21.23	21.19	22.0	1.0
100	QPSK	270	0	21.27	21.41	21.36		
100	16QAM	1	1	21.35	21.46	21.40	22.0	1.0
100	64QAM	1	1	19.66	19.73	19.60	20.5	2.5
100	256QAM	1	1	17.39	17.53	17.48	18.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.24	22.34	22.14	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.26	22.40	22.18	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.32	22.38	22.22	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.27	22.36	22.18	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.33	22.39	22.22	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.34	22.39	22.22	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.29	22.30	22.15	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.28	22.36	22.22	23.0	0.0



n48 Part96 Ant5 DSI 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
40	PI/2 BPSK	1	1	19.38	19.46	19.33	20.2	0.0
40	PI/2 BPSK	1	53	19.15	19.30	19.23		
40	PI/2 BPSK	1	104	19.27	19.41	19.32		
40	PI/2 BPSK	50	0	19.21	19.28	19.11	20.2	0.0
40	PI/2 BPSK	50	28	19.27	19.38	19.37	20.2	0.0
40	PI/2 BPSK	50	56	19.20	19.19	19.23	20.2	0.0
40	PI/2 BPSK	100	0	19.12	19.25	19.19		
40	QPSK	1	1	19.35	19.48	19.37	20.2	0.0
40	QPSK	1	53	19.27	19.37	19.19		
40	QPSK	1	104	19.41	19.39	19.27		
40	QPSK	50	0	19.26	19.31	19.22	20.2	0.0
40	QPSK	50	28	19.36	19.41	19.31	20.2	0.0
40	QPSK	50	56	19.15	19.27	19.14	20.2	0.0
40	QPSK	100	0	19.17	19.27	19.24		
40	16QAM	1	1	19.17	19.30	19.09	20.2	0.0
40	64QAM	1	1	19.18	19.20	19.11	20.2	0.0
40	256QAM	1	1	18.66	18.78	18.73	19.5	0.7
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	19.23	19.37	19.30	20.2	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	19.31	19.35	19.31	20.2	0.0



Part270 n77 Ant5 DSI 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	20.4	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.35	19.39	19.28	20.4	0.0
100	PI/2 BPSK	1	137	19.18	19.30	19.15		
100	PI/2 BPSK	1	271	19.27	19.33	19.27		
100	PI/2 BPSK	135	0	19.02	19.13	19.08	20.4	0.0
100	PI/2 BPSK	135	69	19.21	19.31	19.25	20.4	0.0
100	PI/2 BPSK	135	138	19.17	19.22	19.09	20.4	0.0
100	PI/2 BPSK	270	0	19.18	19.26	19.13		
100	QPSK	1	1	19.37	19.44	19.31	20.4	0.0
100	QPSK	1	137	19.27	19.39	19.33		
100	QPSK	1	271	19.18	19.32	19.18		
100	QPSK	135	0	19.09	19.24	19.18	20.4	0.0
100	QPSK	135	69	19.27	19.38	19.32	20.4	0.0
100	QPSK	135	138	19.12	19.27	19.14	20.4	0.0
100	QPSK	270	0	19.19	19.31	19.23		
100	16QAM	1	1	19.15	19.27	19.17	20.4	0.0
100	64QAM	1	1	19.20	19.30	19.18	20.4	0.0
100	256QAM	1	1	19.15	19.22	19.14	20.4	0.0
Channel				649668	656000	662334	20.4	0.0
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.24	19.30	19.22	20.4	0.0
Channel				649334	656000	662668	20.4	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.33	19.39	19.23	20.4	0.0
Channel				649000	656000	663000	20.4	0.0
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.33	19.41	19.28	20.4	0.0
Channel				648668	656000	663334	20.4	0.0
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.28	19.40	19.17	20.4	0.0
Channel				648334	656000	663668	20.4	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.27	19.30	19.24	20.4	0.0
Channel				648000	656000	664000	20.4	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.24	19.40	19.21	20.4	0.0
Channel				647668	656000	664334	20.4	0.0
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.30	19.32	19.17	20.4	0.0
Channel				647334	656000	664668	20.4	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.23	19.34	19.20	20.4	0.0



Part27Q n77 Ant5 DSI 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		20.4	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.08		20.4	0.0
100	PI/2 BPSK	1	137		19.01			
100	PI/2 BPSK	1	271		19.04			
100	PI/2 BPSK	135	0		18.95		20.4	0.0
100	PI/2 BPSK	135	69		19.02		20.4	0.0
100	PI/2 BPSK	135	138		18.88		20.4	0.0
100	PI/2 BPSK	270	0		18.93			
100	QPSK	1	1		19.14		20.4	0.0
100	QPSK	1	137		19.11			
100	QPSK	1	271		19.06			
100	QPSK	135	0		18.98		20.4	0.0
100	QPSK	135	69		19.10		20.4	0.0
100	QPSK	135	138		18.92		20.4	0.0
100	QPSK	270	0		18.98			
100	16QAM	1	1		18.81		20.4	0.0
100	64QAM	1	1		18.90		20.4	0.0
100	256QAM	1	1		18.87		20.4	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.01	19.05	18.96	20.4	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.07	19.01	18.97	20.4	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.01	19.09	18.93	20.4	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.95	19.00	18.94	20.4	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.04	19.03	18.97	20.4	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.06	19.06	18.93	20.4	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.97	19.01	19.02	20.4	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.02	19.11	18.98	20.4	0.0



Part270 n77 PC3 Ant6 Default

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	23.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.11	22.16	22.02	23.0	0.0
100	PI/2 BPSK	1	137	22.05	22.13	22.06		
100	PI/2 BPSK	1	271	21.97	22.09	21.98		
100	PI/2 BPSK	135	0	21.57	21.62	21.53	22.5	0.5
100	PI/2 BPSK	135	69	22.02	22.10	21.98	23.0	0.0
100	PI/2 BPSK	135	138	21.46	21.51	21.37	22.5	0.5
100	PI/2 BPSK	270	0	21.51	21.59	21.52		
100	QPSK	1	1	22.17	22.22	22.09	23.0	0.0
100	QPSK	1	137	22.10	22.18	22.06		
100	QPSK	1	271	22.07	22.13	22.02		
100	QPSK	135	0	21.02	21.14	21.01	22.0	1.0
100	QPSK	135	69	22.11	22.18	22.10	23.0	0.0
100	QPSK	135	138	21.00	21.09	21.05	22.0	1.0
100	QPSK	270	0	21.04	21.17	21.06		
100	16QAM	1	1	21.05	21.12	20.98	22.0	1.0
100	64QAM	1	1	19.42	19.47	19.42	20.5	2.5
100	256QAM	1	1	17.18	17.26	17.13	18.5	4.5
Channel				649668	656000	662334	23.0	0.0
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.07	22.17	22.03	23.0	0.0
Channel				649334	656000	662668		
Frequency (MHz)				3740.01	3840	3940.02	23.0	0.0
80	QPSK	1	1	22.04	22.10	22.01		
Channel				649000	656000	663000	23.0	0.0
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.10	22.13	21.99	23.0	0.0
Channel				648668	656000	663334		
Frequency (MHz)				3730.02	3840	3950.01	23.0	0.0
60	QPSK	1	1	22.09	22.19	22.05		
Channel				648334	656000	663668	23.0	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.04	22.14	22.02	23.0	0.0
Channel				648000	656000	664000		
Frequency (MHz)				3720	3840	3960	23.0	0.0
40	QPSK	1	1	22.05	22.18	22.00		
Channel				647668	656000	664334	23.0	0.0
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.05	22.15	21.96	23.0	0.0
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02	23.0	0.0
20	QPSK	1	1	22.04	22.12	22.05		



Part27Q n77 PC3 Ant6 Default

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		21.37			
100	PI/2 BPSK	1	137		21.32		22.5	0.5
100	PI/2 BPSK	1	271		21.21			
100	PI/2 BPSK	135	0		20.78		23.0	0.0
100	PI/2 BPSK	135	69		21.25			
100	PI/2 BPSK	135	138		20.68		22.5	0.5
100	PI/2 BPSK	270	0		20.75			
100	QPSK	1	1		21.41		23.0	0.0
100	QPSK	1	137		21.34			
100	QPSK	1	271		21.26			
100	QPSK	135	0		20.22		22.0	1.0
100	QPSK	135	69		21.36			
100	QPSK	135	138		20.19		22.0	1.0
100	QPSK	270	0		20.26			
100	16QAM	1	1		20.47		22.0	1.0
100	64QAM	1	1		18.74		20.5	2.5
100	256QAM	1	1		16.56		18.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.20	21.31	21.29	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	21.21	21.35	21.27	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	21.22	21.28	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	21.30	21.34	21.31	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	21.30	21.31	21.28	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	21.23	21.27	21.25	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	21.22	21.28	21.27	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	21.25	21.36	21.28	23.0	0.0



Reduced Power Mode for DSI 1

n5 Ant0 Default								
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	23.99	24.03	23.92	25.0	0.0
20	PI/2 BPSK	1	53	23.85	24.00	23.88		
20	PI/2 BPSK	1	104	23.83	23.92	23.77		
20	PI/2 BPSK	50	0	23.33	23.50	23.34	24.5	0.5
20	PI/2 BPSK	50	28	23.87	24.04	23.89	25.0	0.0
20	PI/2 BPSK	50	56	23.29	23.44	23.38	24.5	0.5
20	PI/2 BPSK	100	0	23.47	23.56	23.40		
20	QPSK	1	1	23.93	24.06	24.01	25.0	0.0
20	QPSK	1	53	23.76	23.86	23.76		
20	QPSK	1	104	23.82	23.84	23.79		
20	QPSK	50	0	22.93	22.98	22.90	24.0	1.0
20	QPSK	50	28	23.83	23.95	23.81	25.0	0.0
20	QPSK	50	56	22.74	22.86	22.71	24.0	1.0
20	QPSK	100	0	22.96	23.02	22.86		
20	16QAM	1	1	22.68	22.81	22.79	24.0	1.0
20	64QAM	1	1	21.41	21.57	21.49	22.5	2.5
20	256QAM	1	1	19.32	19.47	19.38	20.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.88	23.97	23.89	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.84	23.94	23.87	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.85	23.92	23.86	25.0	0.0



n12 Ant0 Default								
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				141300	141500	141700	25.0	0.0
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	24.13	24.16	24.10	24.5	0.5
15	PI/2 BPSK	1	40	23.87	24.01	23.91		
15	PI/2 BPSK	1	77	23.92	24.06	24.00		
15	PI/2 BPSK	36	0	23.44	23.59	23.43	24.5	0.5
15	PI/2 BPSK	36	22	23.91	23.97	23.85	25.0	0.0
15	PI/2 BPSK	36	43	23.44	23.52	23.44	24.5	0.5
15	PI/2 BPSK	75	0	23.44	23.56	23.41		
15	QPSK	1	1	24.07	24.21	24.14	25.0	0.0
15	QPSK	1	40	24.00	24.11	23.94		
15	QPSK	1	77	23.98	24.00	23.90		
15	QPSK	36	0	22.98	23.08	23.02	24.0	1.0
15	QPSK	36	22	23.97	24.09	23.96	25.0	0.0
15	QPSK	36	43	22.95	23.05	22.92	24.0	1.0
15	QPSK	75	0	23.11	23.13	23.02		
15	16QAM	1	1	23.09	23.24	23.12	24.0	1.0
15	64QAM	1	1	21.76	21.81	21.71	22.5	2.5
	256QAM	1	1	19.45	19.58	19.44	20.5	4.5
Channel				140800	141500	142200	25.0	0.0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.90	24.15	24.05	25.0	0.0
Channel				140300	141500	142700	25.0	0.0
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.92	24.18	23.98	25.0	0.0



n13 Ant0 Default								
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					156400		25.0	0.0
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		24.05		25.0	0.0
10	PI/2 BPSK	1	26		24.02			
10	PI/2 BPSK	1	50		24.00			
10	PI/2 BPSK	25	0		23.52		24.5	0.5
10	PI/2 BPSK	25	14		23.92		25.0	0.0
10	PI/2 BPSK	25	27		23.36		24.5	0.5
10	PI/2 BPSK	50	0		23.44			
10	QPSK	1	1		24.09		25.0	0.0
10	QPSK	1	26		23.94			
10	QPSK	1	50		24.02			
10	QPSK	25	0		22.96		24.0	1.0
10	QPSK	25	14		23.97		25.0	0.0
10	QPSK	25	27		22.81		24.0	1.0
10	QPSK	50	0		22.95			
10	16QAM	1	1		23.08		24.0	1.0
10	64QAM	1	1		21.31		22.5	2.5
10	256QAM	1	1		19.15		20.5	4.5
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	23.84	23.96	23.93	25.0	0.0



n14 Ant0 Default								
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					158600		25.0	0.0
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		24.08			
10	PI/2 BPSK	1	26		24.03		24.5	0.5
10	PI/2 BPSK	1	50		23.98			
10	PI/2 BPSK	25	0		23.58		24.5	0.5
10	PI/2 BPSK	25	14		24.00		25.0	0.0
10	PI/2 BPSK	25	27		23.51		24.5	0.5
10	PI/2 BPSK	50	0		23.47			
10	QPSK	1	1		24.12		25.0	0.0
10	QPSK	1	26		23.97			
10	QPSK	1	50		24.02			
10	QPSK	25	0		23.04		24.0	1.0
10	QPSK	25	14		24.02		25.0	0.0
10	QPSK	25	27		22.93		24.0	1.0
10	QPSK	50	0		23.00			
10	16QAM	1	1		23.05		24.0	1.0
10	64QAM	1	1		21.63		22.5	2.5
10	256QAM	1	1		19.24		20.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.94	24.03	23.86	25.0	0.0



n26 Ant0 Default								
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	23.97	24.09	23.97	25.0	0.0
20	PI/2 BPSK	1	53	24.01	24.05	23.96		
20	PI/2 BPSK	1	104	23.94	24.00	23.92		
20	PI/2 BPSK	50	0	23.40	23.57	23.52	24.5	0.5
20	PI/2 BPSK	50	28	23.97	24.07	24.04	25.0	0.0
20	PI/2 BPSK	50	56	23.41	23.50	23.42	24.5	0.5
20	PI/2 BPSK	100	0	23.44	23.60	23.57		
20	QPSK	1	1	23.88	24.10	23.95	25.0	0.0
20	QPSK	1	53	24.04	24.09	23.93		
20	QPSK	1	104	23.93	24.02	23.92		
20	QPSK	50	0	22.84	22.99	22.82	24.0	1.0
20	QPSK	50	28	23.96	24.07	23.92	25.0	0.0
20	QPSK	50	56	22.82	22.92	22.90	24.0	1.0
20	QPSK	100	0	22.91	23.07	22.92		
20	16QAM	1	1	23.07	23.11	23.02	24.0	1.0
20	64QAM	1	1	21.60	21.63	21.52	22.5	2.5
20	256QAM	1	1	19.38	19.44	19.38	20.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	23.83	24.04	23.84	25.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	23.77	24.00	23.84	25.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	23.79	23.99	23.89	25.0	0.0



n71 Ant0 Default								
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	24.01	24.18	24.08	25.0	0.0
20	PI/2 BPSK	1	53	23.95	24.12	24.09		
20	PI/2 BPSK	1	104	24.00	24.09	24.06		
20	PI/2 BPSK	50	0	23.51	23.61	23.55	24.5	0.5
20	PI/2 BPSK	50	28	23.98	24.06	23.97	25.0	0.0
20	PI/2 BPSK	50	56	23.52	23.58	23.55	24.5	0.5
20	PI/2 BPSK	100	0	23.52	23.60	23.50		
20	QPSK	1	1	24.18	24.23	24.07	25.0	0.0
20	QPSK	1	53	24.06	24.20	24.09		
20	QPSK	1	104	23.97	24.14	24.00		
20	QPSK	50	0	22.90	23.05	22.89	24.0	1.0
20	QPSK	50	28	23.97	24.09	24.03	25.0	0.0
20	QPSK	50	56	22.92	23.08	23.01	24.0	1.0
20	QPSK	100	0	22.98	23.03	22.86		
20	16QAM	1	1	22.65	22.81	22.76	24.0	1.0
20	64QAM	1	1	21.56	21.72	21.57	22.5	2.5
20	256QAM	1	1	19.53	19.58	19.46	20.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	24.03	24.19	23.91	25.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	24.08	24.08	24.02	25.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	24.05	24.19	24.03	25.0	0.0



n41 PC3 Ant0 Default								
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	21.65	21.73	21.60	22.6	0.0
100	PI/2 BPSK	1	137	21.60	21.66	21.54		
100	PI/2 BPSK	1	271	21.48	21.61	21.53		
100	PI/2 BPSK	135	0	21.10	21.17	21.11	22.5	0.1
100	PI/2 BPSK	135	69	21.56	21.69	21.60	22.6	0.0
100	PI/2 BPSK	135	138	20.82	20.91	20.86	22.5	0.1
100	PI/2 BPSK	270	0	20.92	20.99	20.91		
100	QPSK	1	1	21.74	21.79	21.67	22.6	0.0
100	QPSK	1	137	21.58	21.71	21.61		
100	QPSK	1	271	21.64	21.67	21.56		
100	QPSK	135	0	20.65	20.69	20.57	22.0	0.6
100	QPSK	135	69	21.67	21.72	21.59	22.6	0.0
100	QPSK	135	138	20.29	20.36	20.30	22.0	0.6
100	QPSK	270	0	20.40	20.54	20.50		
100	16QAM	1	1	20.60	20.73	20.61	22.0	0.6
100	64QAM	1	1	19.01	19.11	19.07	20.5	2.1
100	256QAM	1	1	16.74	16.86	16.80	18.5	4.1
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.61	21.72	21.57	22.6	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.67	21.70	21.62	22.6	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.70	21.65	21.52	22.6	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.64	21.71	21.63	22.6	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.70	21.74	21.63	22.6	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.70	21.69	21.58	22.6	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.63	21.65	21.53	22.6	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.59	21.66	21.63	22.6	0.0



Part270 n77 PC3 Ant0 Default

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	21.05	21.17	21.14	21.5	0.0
100	PI/2 BPSK	1	137	21.06	21.13	21.02		
100	PI/2 BPSK	1	271	20.72	20.85	20.81		
100	PI/2 BPSK	135	0	20.61	20.66	20.62	21.0	0.5
100	PI/2 BPSK	135	69	20.98	21.04	21.00	21.5	0.0
100	PI/2 BPSK	135	138	20.33	20.46	20.34	21.0	0.5
100	PI/2 BPSK	270	0	20.43	20.54	20.50		
100	QPSK	1	1	20.54	21.23	20.17	21.5	0.0
100	QPSK	1	137	21.10	21.20	21.05		
100	QPSK	1	271	20.80	20.92	20.86		
100	QPSK	135	0	20.30	20.31	20.24	20.5	1.0
100	QPSK	135	69	21.03	21.15	21.05	21.5	0.0
100	QPSK	135	138	20.13	20.16	20.10	20.5	1.0
100	QPSK	270	0	20.21	20.28	20.19		
100	16QAM	1	1	20.20	20.21	20.11	20.5	1.0
100	64QAM	1	1	18.62	18.67	18.64	19.0	2.5
100	256QAM	1	1	16.43	16.54	16.50	17.0	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.41	21.09	20.16	21.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.52	21.17	20.10	21.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.45	21.16	20.17	21.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.51	21.19	20.06	21.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.42	21.10	20.14	21.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.41	21.17	20.14	21.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.51	21.17	20.06	21.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.46	21.11	20.10	21.5	0.0



Part27Q n77 PC3 Ant0 Default

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		19.71		21.5	0.0
100	PI/2 BPSK	1	137		19.67			
100	PI/2 BPSK	1	271		19.64			
100	PI/2 BPSK	135	0		19.24		21.0	0.5
100	PI/2 BPSK	135	69		19.66		21.5	0.0
100	PI/2 BPSK	135	138		19.05		21.0	0.5
100	PI/2 BPSK	270	0		19.12			
100	QPSK	1	1		19.76		21.5	0.0
100	QPSK	1	137		19.71			
100	QPSK	1	271		19.66			
100	QPSK	135	0		18.67		20.5	1.0
100	QPSK	135	69		19.71		21.5	0.0
100	QPSK	135	138		18.56		20.5	1.0
100	QPSK	270	0		18.64			
100	16QAM	1	1		18.69		20.5	1.0
100	64QAM	1	1		17.13		19.0	2.5
100	256QAM	1	1		15.20		17.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.65	19.66	19.54	21.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.63	19.70	19.64	21.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.60	19.62	19.66	21.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.62	19.64	19.60	21.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.66	19.67	19.64	21.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.60	19.68	19.62	21.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.58	19.72	19.61	21.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.68	19.70	19.60	21.5	0.0



n2 Ant1 DSI 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	24.4	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.20	23.22	23.19		
20	PI/2 BPSK	1	53	23.12	23.14	23.06	24.4	0.0
20	PI/2 BPSK	1	104	23.06	23.17	23.12		
20	PI/2 BPSK	50	0	23.16	23.09	23.18		
20	PI/2 BPSK	50	28	23.08	23.12	23.19	24.4	0.0
20	PI/2 BPSK	50	56	23.01	23.04	22.99	24.4	0.0
20	PI/2 BPSK	100	0	23.03	23.07	22.92		
20	QPSK	1	1	23.19	23.27	23.23		
20	QPSK	1	53	23.13	23.18	23.06	24.4	0.0
20	QPSK	1	104	23.01	23.12	23.08		
20	QPSK	50	0	23.03	23.10	23.07		
20	QPSK	50	28	23.16	23.23	23.19	24.4	0.0
20	QPSK	50	56	23.03	23.06	23.00	24.0	0.4
20	QPSK	100	0	23.00	23.05	22.92		
20	16QAM	1	1	22.93	23.00	22.99		
20	64QAM	1	1	21.44	21.45	21.40	22.5	1.9
20	256QAM	1	1	19.50	19.50	19.39	20.5	3.9
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.13	23.22	23.11	24.4	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.08	23.16	23.15	24.4	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.14	23.15	23.10	24.4	0.0



n25 Ant1 DSI 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000	24.4	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.26	23.30	23.29	24.4	0.0
40	PI/2 BPSK	1	108	23.24	23.28	23.18		
40	PI/2 BPSK	1	214	23.16	23.25	23.20		
40	PI/2 BPSK	108	0	23.23	23.20	23.22	24.4	0.0
40	PI/2 BPSK	108	54	23.16	23.26	23.22	24.4	0.0
40	PI/2 BPSK	108	108	23.11	23.18	23.13	24.4	0.0
40	PI/2 BPSK	216	0	23.06	23.20	23.05		
40	QPSK	1	1	23.28	23.34	23.32	24.4	0.0
40	QPSK	1	108	23.23	23.31	23.18		
40	QPSK	1	214	23.13	23.19	23.20		
40	QPSK	108	0	23.14	23.20	23.16	24.0	0.4
40	QPSK	108	54	23.19	23.26	23.03	24.4	0.0
40	QPSK	108	108	22.96	23.11	23.06	24.0	0.4
40	QPSK	216	0	23.02	23.15	22.96		
40	16QAM	1	1	22.89	23.05	22.98	24.0	0.4
40	64QAM	1	1	21.38	21.47	21.27	22.5	1.9
40	256QAM	1	1	19.46	19.55	19.45	20.5	3.9
Channel				373000	376500	380000	24.4	0.0
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.21	23.25	23.26	24.4	0.0
Channel				372500	376500	380500	24.4	0.0
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.18	23.30	23.21	24.4	0.0
Channel				372000	376500	381000	24.4	0.0
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.17	23.28	23.17	24.4	0.0
Channel				371500	376500	381500	24.4	0.0
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.14	23.22	23.23	24.4	0.0
Channel				371000	376500	382000	24.4	0.0
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.25	23.24	23.25	24.4	0.0
Channel				370500	376500	382500	24.4	0.0
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.15	23.27	23.26	24.4	0.0



n66 Ant1 DSI 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	24.6	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.33	23.35	23.30	24.6	0.0
40	PI/2 BPSK	1	108	23.18	23.31	23.15		
40	PI/2 BPSK	1	214	23.19	23.23	23.19		
40	PI/2 BPSK	108	0	23.27	23.19	23.32	24.5	0.1
40	PI/2 BPSK	108	54	23.19	23.18	23.26	24.6	0.0
40	PI/2 BPSK	108	108	23.17	23.10	23.10	24.5	0.1
40	PI/2 BPSK	216	0	23.10	23.17	22.99		
40	QPSK	1	1	23.35	23.39	23.31	24.6	0.0
40	QPSK	1	108	23.23	23.33	23.20		
40	QPSK	1	214	23.14	23.20	23.19		
40	QPSK	108	0	23.03	23.09	22.87	24.0	0.6
40	QPSK	108	54	23.31	23.35	23.29	24.6	0.0
40	QPSK	108	108	23.05	23.24	23.23	24.0	0.6
40	QPSK	216	0	23.26	23.31	23.19		
40	16QAM	1	1	22.76	22.90	22.70	24.0	0.6
40	64QAM	1	1	21.22	21.36	21.29	22.5	2.1
40	256QAM	1	1	19.45	19.48	19.37	20.5	4.1
Channel				345000	349000	353000	24.6	0.0
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.27	23.34	23.21	24.6	0.0
Channel				344000	349000	354000	24.6	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.31	23.30	23.25	24.6	0.0
Channel				343500	349000	354500	24.6	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.21	23.33	23.19	24.6	0.0
Channel				343000	349000	355000	24.6	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.28	23.29	23.27	24.6	0.0
Channel				342500	349000	355500	24.6	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.31	23.31	23.23	24.6	0.0



Part270 n77 PC3 Ant1 Default

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	22.42	22.48	22.38	23.0	0.0
100	PI/2 BPSK	1	137	22.36	22.43	22.32		
100	PI/2 BPSK	1	271	22.27	22.36	22.26		
100	PI/2 BPSK	135	0	21.94	21.98	21.84	22.5	0.5
100	PI/2 BPSK	135	69	22.36	22.42	22.31	23.0	0.0
100	PI/2 BPSK	135	138	21.84	21.93	21.80	22.5	0.5
100	PI/2 BPSK	270	0	21.86	21.99	21.91		
100	QPSK	1	1	22.46	22.52	22.41	23.0	0.0
100	QPSK	1	137	22.33	22.44	22.30		
100	QPSK	1	271	22.32	22.40	22.33		
100	QPSK	135	0	21.45	21.53	21.45	22.0	1.0
100	QPSK	135	69	22.40	22.46	22.41	23.0	0.0
100	QPSK	135	138	21.29	21.41	21.37	22.0	1.0
100	QPSK	270	0	21.31	21.45	21.41		
100	16QAM	1	1	21.10	21.22	21.14	22.0	1.0
100	64QAM	1	1	20.05	20.17	20.08	20.5	2.5
100	256QAM	1	1	17.68	17.73	17.64	18.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.39	22.39	22.36	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	22.31	22.45	22.38	23.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.42	22.39	22.29	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	22.41	22.49	22.33	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	22.38	22.39	22.33	23.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.34	22.40	22.34	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	22.39	22.46	22.32	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	22.40	22.43	22.28	23.0	0.0



Part27Q n77 PC3 Ant1 Default

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		22.09			
100	PI/2 BPSK	1	137		22.03		22.5	0.5
100	PI/2 BPSK	1	271		21.97			
100	PI/2 BPSK	135	0		21.57		23.0	0.0
100	PI/2 BPSK	135	69		22.03			
100	PI/2 BPSK	135	138		21.29		22.5	0.5
100	PI/2 BPSK	270	0		21.35			
100	QPSK	1	1		22.16		23.0	0.0
100	QPSK	1	137		22.08			
100	QPSK	1	271		22.03			
100	QPSK	135	0		21.03		22.0	1.0
100	QPSK	135	69		22.11			
100	QPSK	135	138		20.88		22.0	1.0
100	QPSK	270	0		20.94			
100	16QAM	1	1		21.12		22.0	1.0
100	64QAM	1	1		19.41		20.5	2.5
100	256QAM	1	1		17.28		18.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.98	22.07	21.99	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	22.02	22.04	22.02	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	22.00	22.09	22.08	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	21.93	22.13	22.06	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	22.02	22.04	22.08	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	21.99	22.11	22.03	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	21.98	22.10	22.01	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	22.00	22.03	22.09	23.0	0.0



n2 Ant2 Default								
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	25.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.97	24.02	23.85		
20	PI/2 BPSK	1	53	23.91	23.99	23.91	24.5	0.5
20	PI/2 BPSK	1	104	23.59	23.69	23.54		
20	PI/2 BPSK	50	0	23.26	23.40	23.36	25.0	0.0
20	PI/2 BPSK	50	28	23.79	23.95	23.84	24.5	0.5
20	PI/2 BPSK	50	56	23.41	23.44	23.32	24.0	1.0
20	PI/2 BPSK	100	0	23.30	23.40	23.33		
20	QPSK	1	1	23.92	24.06	23.89	25.0	0.0
20	QPSK	1	53	23.74	24.09	23.66		
20	QPSK	1	104	23.49	23.61	23.57		
20	QPSK	50	0	22.81	23.03	22.60	24.0	1.0
20	QPSK	50	28	23.73	23.99	23.65	25.0	0.0
20	QPSK	50	56	22.60	22.76	22.67	24.0	1.0
20	QPSK	100	0	22.81	22.95	22.92		
20	16QAM	1	1	22.64	22.68	22.64	24.0	1.0
20	64QAM	1	1	21.31	21.48	21.35	22.5	2.5
20	256QAM	1	1	19.36	19.40	19.25	20.5	4.5
Channel				371500	376000	380500	25.0	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.64	24.06	23.54	25.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905	25.0	0.0
10	QPSK	1	1	23.59	23.99	23.60		
Channel				370500	376000	381500	25.0	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.72	23.93	23.59	25.0	0.0



n7 Ant2 DSI 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	22.9	0.0
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	21.42	21.52	21.46		
40	PI/2 BPSK	1	108	21.40	21.43	21.37	22.9	0.0
40	PI/2 BPSK	1	214	21.32	21.40	21.30		
40	PI/2 BPSK	108	0	21.25	21.36	21.30		
40	PI/2 BPSK	108	54	21.21	21.35	21.26	22.9	0.0
40	PI/2 BPSK	108	108	21.36	21.44	21.40	22.9	0.0
40	PI/2 BPSK	216	0	21.35	21.49	21.39		
40	QPSK	1	1	21.49	21.56	21.53		
40	QPSK	1	108	21.41	21.53	21.40	22.9	0.0
40	QPSK	1	214	21.38	21.49	21.35		
40	QPSK	108	0	21.38	21.43	21.31		
40	QPSK	108	54	21.39	21.51	21.38	22.9	0.0
40	QPSK	108	108	21.33	21.39	21.31	22.9	0.0
40	QPSK	216	0	21.36	21.43	21.35		
40	16QAM	1	1	21.27	21.39	21.29		
40	64QAM	1	1	21.23	21.28	21.20	22.5	0.4
40	256QAM	1	1	19.91	20.03	20.00	20.5	2.4
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	21.36	21.50	21.43	22.9	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	21.39	21.44	21.43	22.9	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	21.40	21.49	21.42	22.9	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.36	21.50	21.41	22.9	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.34	21.45	21.39	22.9	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	21.34	21.48	21.43	22.9	0.0



n25 Ant2 Default								
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				374000	376500	379000	25.0	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.78	23.89	23.76	24.5	0.5
40	PI/2 BPSK	1	108	23.97	24.12	24.04		
40	PI/2 BPSK	1	214	23.87	24.03	23.92		
40	PI/2 BPSK	108	0	23.45	23.62	23.55	25.0	0.0
40	PI/2 BPSK	108	54	23.98	24.10	23.94	24.5	0.5
40	PI/2 BPSK	108	108	23.23	23.36	23.30	25.0	0.0
40	PI/2 BPSK	216	0	23.47	23.58	23.52	24.5	0.5
40	QPSK	1	1	23.86	24.14	24.02	25.0	0.0
40	QPSK	1	108	23.70	23.80	23.70		
40	QPSK	1	214	23.69	23.84	23.80		
40	QPSK	108	0	22.95	23.05	22.89	24.0	1.0
40	QPSK	108	54	23.87	24.01	23.85	25.0	0.0
40	QPSK	108	108	22.76	22.90	22.81	24.0	1.0
40	QPSK	216	0	23.04	23.07	23.01		
40	16QAM	1	1	22.58	22.74	22.63	24.0	1.0
40	64QAM	1	1	21.39	21.51	21.44	22.5	2.5
40	256QAM	1	1	19.44	19.47	19.31	20.5	4.5
Channel				373000	376500	380000	25.0	0.0
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.81	23.99	23.98	25.0	0.0
Channel				372500	376500	380500	25.0	0.0
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.75	24.06	23.88	25.0	0.0
Channel				372000	376500	381000	25.0	0.0
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.79	24.01	23.99	25.0	0.0
Channel				371500	376500	381500	25.0	0.0
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.72	23.99	23.88	25.0	0.0
Channel				371000	376500	382000	25.0	0.0
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.79	24.10	23.85	25.0	0.0
Channel				370500	376500	382500	25.0	0.0
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.69	24.09	23.86	25.0	0.0



n66 Ant2 Default								
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	25.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.99	24.09	23.93		
40	PI/2 BPSK	1	108	23.96	24.02	23.92	24.5	0.5
40	PI/2 BPSK	1	214	23.93	24.03	23.88		
40	PI/2 BPSK	108	0	23.38	23.46	23.33		
40	PI/2 BPSK	108	54	23.90	23.97	23.80	25.0	0.0
40	PI/2 BPSK	108	108	23.56	23.61	23.59		
40	PI/2 BPSK	216	0	23.54	23.56	23.49		
40	QPSK	1	1	24.08	24.16	23.99	24.5	0.5
40	QPSK	1	108	23.94	24.07	24.03		
40	QPSK	1	214	23.93	24.10	24.03		
40	QPSK	108	0	22.96	23.02	22.90	25.0	0.0
40	QPSK	108	54	23.94	24.04	24.01		
40	QPSK	108	108	23.00	23.03	22.94		
40	QPSK	216	0	23.01	23.07	22.98	24.0	1.0
40	16QAM	1	1	22.76	22.86	22.83		
40	64QAM	1	1	21.43	21.58	21.44		
40	256QAM	1	1	19.41	19.49	19.35	20.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.05	24.07	23.89	25.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.00	24.03	23.89	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.92	24.12	23.87	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.99	24.14	23.95	25.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.94	24.04	23.84	25.0	0.0



n38 Ant2 DSI 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	21.80	21.93	21.86	23.2	0.0
40	PI/2 BPSK	1	53	21.82	21.89	21.81		
40	PI/2 BPSK	1	104	21.69	21.85	21.70		
40	PI/2 BPSK	50	0	21.79	21.91	21.76	23.2	0.0
40	PI/2 BPSK	50	28	21.85	21.92	21.85	23.2	0.0
40	PI/2 BPSK	50	56	21.83	21.83	21.71	23.2	0.0
40	PI/2 BPSK	100	0	21.79	21.91	21.85		
40	QPSK	1	1	21.91	21.99	21.86	23.2	0.0
40	QPSK	1	53	21.85	21.81	21.79		
40	QPSK	1	104	21.80	21.96	21.81		
40	QPSK	50	0	21.83	21.83	21.87	23.2	0.0
40	QPSK	50	28	21.77	21.89	21.74	23.2	0.0
40	QPSK	50	56	21.75	21.80	21.80	23.2	0.0
40	QPSK	100	0	21.76	21.83	21.80		
40	16QAM	1	1	21.84	21.97	21.86	23.2	0.0
40	64QAM	1	1	21.92	21.96	21.83	22.5	0.7
40	256QAM	1	1	19.42	19.48	19.36	20.5	2.7
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	21.72	21.87	21.73	23.2	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	21.71	21.78	21.77	23.2	0.0



n41 PC3&PC2 Ant2 DSI 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.90	22.02	21.97	23.2	0.0
100	PI/2 BPSK	1	137	21.86	21.96	21.83		
100	PI/2 BPSK	1	271	21.81	21.89	21.76		
100	PI/2 BPSK	135	0	21.87	21.99	21.86	23.2	0.0
100	PI/2 BPSK	135	69	21.98	22.01	21.92	23.2	0.0
100	PI/2 BPSK	135	138	21.85	21.91	21.82	23.2	0.0
100	PI/2 BPSK	270	0	21.92	22.01	21.89		
100	QPSK	1	1	21.94	22.06	21.99	23.2	0.0
100	QPSK	1	137	21.88	21.95	21.88		
100	QPSK	1	271	21.89	22.01	21.87		
100	QPSK	135	0	21.87	21.94	21.91	23.2	0.0
100	QPSK	135	69	21.89	22.02	21.87	23.2	0.0
100	QPSK	135	138	21.80	21.89	21.85	23.2	0.0
100	QPSK	270	0	21.81	21.95	21.89		
100	16QAM	1	1	21.89	22.03	21.97	23.2	0.0
100	64QAM	1	1	21.98	22.02	21.94	23.2	0.0
100	256QAM	1	1	21.49	21.59	21.54	22.5	0.7
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.83	21.92	21.85	23.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.81	21.95	21.89	23.2	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.90	22.02	21.93	23.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.85	21.98	21.84	23.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.86	21.97	21.92	23.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.85	21.90	21.92	23.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.85	21.98	21.87	23.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.90	21.91	21.86	23.2	0.0



n41 PC3 Ant3 Default								
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	21.93	22.06	22.00	23.0	0.0
100	PI/2 BPSK	1	137	21.94	22.02	21.93		
100	PI/2 BPSK	1	271	21.83	21.97	21.88		
100	PI/2 BPSK	135	0	21.55	21.64	21.60	22.5	0.5
100	PI/2 BPSK	135	69	21.85	21.95	21.92	23.0	0.0
100	PI/2 BPSK	135	138	21.46	21.49	21.40	22.5	0.5
100	PI/2 BPSK	270	0	21.40	21.54	21.50		
100	QPSK	1	1	22.05	22.13	22.08	23.0	0.0
100	QPSK	1	137	21.98	22.09	22.04		
100	QPSK	1	271	21.93	22.01	21.96		
100	QPSK	135	0	21.03	21.11	21.06	22.0	1.0
100	QPSK	135	69	22.01	22.05	21.95	23.0	0.0
100	QPSK	135	138	20.86	20.97	20.93	22.0	1.0
100	QPSK	270	0	20.95	21.09	20.96		
100	16QAM	1	1	21.01	21.14	21.07	22.0	1.0
100	64QAM	1	1	19.34	19.43	19.36	20.5	2.5
100	256QAM	1	1	17.08	17.22	17.15	18.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.92	22.03	21.97	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.93	21.98	22.04	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.94	21.99	22.02	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.91	22.08	22.02	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.98	21.98	21.95	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.93	22.09	21.98	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.97	22.07	22.05	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.99	22.05	22.05	23.0	0.0



n41 PC3 Ant4 Default

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	22.31	22.37	22.24	23.0	0.0
100	PI/2 BPSK	1	137	22.19	22.31	22.26		
100	PI/2 BPSK	1	271	22.15	22.28	22.23		
100	PI/2 BPSK	135	0	21.82	21.95	21.90	22.5	0.5
100	PI/2 BPSK	135	69	22.26	22.33	22.20	23.0	0.0
100	PI/2 BPSK	135	138	21.67	21.79	21.66	22.5	0.5
100	PI/2 BPSK	270	0	21.76	21.87	21.82		
100	QPSK	1	1	22.38	22.43	22.29	23.0	0.0
100	QPSK	1	137	22.33	22.38	22.23		
100	QPSK	1	271	22.23	22.33	22.20		
100	QPSK	135	0	21.35	21.46	21.40	22.0	1.0
100	QPSK	135	69	22.24	22.36	22.24	23.0	0.0
100	QPSK	135	138	21.08	21.23	21.19	22.0	1.0
100	QPSK	270	0	21.27	21.41	21.36		
100	16QAM	1	1	21.35	21.46	21.40	22.0	1.0
100	64QAM	1	1	19.66	19.73	19.60	20.5	2.5
100	256QAM	1	1	17.39	17.53	17.48	18.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.24	22.34	22.14	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.26	22.40	22.18	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.32	22.38	22.22	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.27	22.36	22.18	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.33	22.39	22.22	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.34	22.39	22.22	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.29	22.30	22.15	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.28	22.36	22.22	23.0	0.0



n48 Part96 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				640000	641666	643332		
Frequency (MHz)				3600	3624.99	3649.98		
40	PI/2 BPSK	1	1	18.99	19.04	18.99	20.2	0.0
40	PI/2 BPSK	1	53	18.82	18.97	18.93		
40	PI/2 BPSK	1	104	18.87	19.01	18.91		
40	PI/2 BPSK	50	0	18.80	18.92	18.79	20.2	0.0
40	PI/2 BPSK	50	28	18.90	19.01	18.95	20.2	0.0
40	PI/2 BPSK	50	56	18.80	18.87	18.83	20.2	0.0
40	PI/2 BPSK	100	0	18.81	18.93	18.87		
40	QPSK	1	1	19.05	19.09	19.02	20.2	0.0
40	QPSK	1	53	18.93	19.02	18.88		
40	QPSK	1	104	19.03	19.08	18.96		
40	QPSK	50	0	18.90	18.99	18.85	20.2	0.0
40	QPSK	50	28	18.99	19.05	18.90	20.2	0.0
40	QPSK	50	56	18.80	18.86	18.78	20.2	0.0
40	QPSK	100	0	18.84	18.92	18.85		
40	16QAM	1	1	18.82	18.88	18.76	20.2	0.0
40	64QAM	1	1	18.77	18.85	18.81	20.2	0.0
40	256QAM	1	1	18.66	18.78	18.73	19.5	0.7
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.94	18.97	18.88	20.2	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	18.97	19.01	18.97	20.2	0.0



Part270 n77 PC3&PC2 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				650000	656000	662000	20.4	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.35	19.39	19.28	20.4	0.0
100	PI/2 BPSK	1	137	19.18	19.30	19.15		
100	PI/2 BPSK	1	271	19.27	19.33	19.27		
100	PI/2 BPSK	135	0	19.02	19.13	19.08	20.4	0.0
100	PI/2 BPSK	135	69	19.21	19.31	19.25	20.4	0.0
100	PI/2 BPSK	135	138	19.17	19.22	19.09	20.4	0.0
100	PI/2 BPSK	270	0	19.18	19.26	19.13		
100	QPSK	1	1	19.37	19.44	19.31	20.4	0.0
100	QPSK	1	137	19.27	19.39	19.33		
100	QPSK	1	271	19.18	19.32	19.18		
100	QPSK	135	0	19.09	19.24	19.18	20.4	0.0
100	QPSK	135	69	19.27	19.38	19.32	20.4	0.0
100	QPSK	135	138	19.12	19.27	19.14	20.4	0.0
100	QPSK	270	0	19.19	19.31	19.23		
100	16QAM	1	1	19.15	19.27	19.17	20.4	0.0
100	64QAM	1	1	19.20	19.30	19.18	20.4	0.0
100	256QAM	1	1	19.15	19.22	19.14	20.4	0.0
Channel				649668	656000	662334	20.4	0.0
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.24	19.30	19.22	20.4	0.0
Channel				649334	656000	662668	20.4	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.33	19.39	19.23	20.4	0.0
Channel				649000	656000	663000	20.4	0.0
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.33	19.41	19.28	20.4	0.0
Channel				648668	656000	663334	20.4	0.0
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.28	19.40	19.17	20.4	0.0
Channel				648334	656000	663668	20.4	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.27	19.30	19.24	20.4	0.0
Channel				648000	656000	664000	20.4	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.24	19.40	19.21	20.4	0.0
Channel				647668	656000	664334	20.4	0.0
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.30	19.32	19.17	20.4	0.0
Channel				647334	656000	664668	20.4	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.23	19.34	19.20	20.4	0.0



Part27Q n77 PC3&PC2 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					633334		20.4	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.08		20.4	0.0
100	PI/2 BPSK	1	137		19.01			
100	PI/2 BPSK	1	271		19.04			
100	PI/2 BPSK	135	0		18.95		20.4	0.0
100	PI/2 BPSK	135	69		19.02		20.4	0.0
100	PI/2 BPSK	135	138		19.02		20.4	0.0
100	PI/2 BPSK	270	0		18.93			
100	QPSK	1	1		19.14		20.4	0.0
100	QPSK	1	137		19.11			
100	QPSK	1	271		19.06			
100	QPSK	135	0		18.98		20.4	0.0
100	QPSK	135	69		19.10		20.4	0.0
100	QPSK	135	138		18.92		20.4	0.0
100	QPSK	270	0		18.98			
100	16QAM	1	1		19.11		20.4	0.0
100	64QAM	1	1		19.01		20.4	0.0
100	256QAM	1	1		19.03		20.4	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.01	19.05	18.96	20.4	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.07	19.01	18.97	20.4	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.01	19.09	18.93	20.4	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.95	19.00	18.94	20.4	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.04	19.03	18.97	20.4	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.06	19.06	18.93	20.4	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.97	19.01	19.02	20.4	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.02	19.11	18.98	20.4	0.0



Part270 n77 PC3 Ant6 Default

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	22.11	22.16	22.02	23.0	0.0
100	PI/2 BPSK	1	137	22.05	22.13	22.06		
100	PI/2 BPSK	1	271	21.97	22.09	21.98		
100	PI/2 BPSK	135	0	21.57	21.62	21.53	22.5	0.5
100	PI/2 BPSK	135	69	22.02	22.10	21.98	23.0	0.0
100	PI/2 BPSK	135	138	21.46	21.51	21.37	22.5	0.5
100	PI/2 BPSK	270	0	21.51	21.59	21.52		
100	QPSK	1	1	22.17	22.22	22.09	23.0	0.0
100	QPSK	1	137	22.10	22.18	22.06		
100	QPSK	1	271	22.07	22.13	22.02		
100	QPSK	135	0	21.02	21.14	21.01	22.0	1.0
100	QPSK	135	69	22.11	22.18	22.10	23.0	0.0
100	QPSK	135	138	21.00	21.09	21.05	22.0	1.0
100	QPSK	270	0	21.04	21.17	21.06		
100	16QAM	1	1	21.05	21.12	20.98	22.0	1.0
100	64QAM	1	1	19.42	19.47	19.42	20.5	2.5
100	256QAM	1	1	17.18	17.26	17.13	18.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.07	22.17	22.03	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	22.04	22.10	22.01	23.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.10	22.13	21.99	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	22.09	22.19	22.05	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	22.04	22.14	22.02	23.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.05	22.18	22.00	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	22.05	22.15	21.96	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	22.04	22.12	22.05	23.0	0.0



Part27Q n77 PC3 Ant6 Default

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		21.37			
100	PI/2 BPSK	1	137		21.32		22.5	0.5
100	PI/2 BPSK	1	271		21.21			
100	PI/2 BPSK	135	0		20.78			
100	PI/2 BPSK	135	69		21.25		23.0	0.0
100	PI/2 BPSK	135	138		20.68			
100	PI/2 BPSK	270	0		20.75			
100	QPSK	1	1		21.41		23.0	0.0
100	QPSK	1	137		21.34			
100	QPSK	1	271		21.26			
100	QPSK	135	0		20.22		22.0	1.0
100	QPSK	135	69		21.36			
100	QPSK	135	138		20.19			
100	QPSK	270	0		20.26		22.0	1.0
100	16QAM	1	1		20.47			
100	64QAM	1	1		18.74			
100	256QAM	1	1		16.56		18.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.20	21.31	21.29	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	21.21	21.35	21.27	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	21.22	21.28	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	21.30	21.34	21.31	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	21.30	21.31	21.28	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	21.23	21.27	21.25	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	21.22	21.28	21.27	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	21.25	21.36	21.28	23.0	0.0



Reduced Power Mode for DSI 2

n5 Ant0 Default								
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	25.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.99	24.03	23.92		
20	PI/2 BPSK	1	53	23.85	24.00	23.88	24.5	0.5
20	PI/2 BPSK	1	104	23.83	23.92	23.77		
20	PI/2 BPSK	50	0	23.33	23.50	23.34		
20	PI/2 BPSK	50	28	23.87	24.04	23.89	25.0	0.0
20	PI/2 BPSK	50	56	23.29	23.44	23.38		
20	PI/2 BPSK	100	0	23.47	23.56	23.40		
20	QPSK	1	1	23.93	24.06	24.01	25.0	0.0
20	QPSK	1	53	23.76	23.86	23.76		
20	QPSK	1	104	23.82	23.84	23.79		
20	QPSK	50	0	22.93	22.98	22.90	24.0	1.0
20	QPSK	50	28	23.83	23.95	23.81		
20	QPSK	50	56	22.74	22.86	22.71		
20	QPSK	100	0	22.96	23.02	22.86	24.0	1.0
20	16QAM	1	1	22.68	22.81	22.79		
20	64QAM	1	1	21.41	21.57	21.49		
20	256QAM	1	1	19.32	19.47	19.38	20.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.88	23.97	23.89	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.84	23.94	23.87	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.85	23.92	23.86	25.0	0.0



n12 Ant0 Default								
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				141300	141500	141700	25.0	0.0
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	24.13	24.16	24.10	25.0	0.0
15	PI/2 BPSK	1	40	23.87	24.01	23.91		
15	PI/2 BPSK	1	77	23.92	24.06	24.00		
15	PI/2 BPSK	36	0	23.44	23.59	23.43	24.5	0.5
15	PI/2 BPSK	36	22	23.91	23.97	23.85	25.0	0.0
15	PI/2 BPSK	36	43	23.44	23.52	23.44	24.5	0.5
15	PI/2 BPSK	75	0	23.44	23.56	23.41		
15	QPSK	1	1	24.07	24.21	24.14	25.0	0.0
15	QPSK	1	40	24.00	24.11	23.94		
15	QPSK	1	77	23.98	24.00	23.90		
15	QPSK	36	0	22.98	23.08	23.02	24.0	1.0
15	QPSK	36	22	23.97	24.09	23.96	25.0	0.0
15	QPSK	36	43	22.95	23.05	22.92	24.0	1.0
15	QPSK	75	0	23.11	23.13	23.02		
15	16QAM	1	1	23.09	23.24	23.12	24.0	1.0
15	64QAM	1	1	21.76	21.81	21.71	22.5	2.5
	256QAM	1	1	19.45	19.58	19.44	20.5	4.5
Channel				140800	141500	142200	25.0	0.0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.90	24.15	24.05	25.0	0.0
Channel				140300	141500	142700	25.0	0.0
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.92	24.18	23.98	25.0	0.0



n13 Ant0 Default								
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					156400		25.0	0.0
Frequency (MHz)					782			
10	PI/2 BPSK	1	1		24.05		25.0	0.0
10	PI/2 BPSK	1	26		24.02			
10	PI/2 BPSK	1	50		24.00			
10	PI/2 BPSK	25	0		23.52		24.5	0.5
10	PI/2 BPSK	25	14		23.92		25.0	0.0
10	PI/2 BPSK	25	27		23.36		24.5	0.5
10	PI/2 BPSK	50	0		23.44			
10	QPSK	1	1		24.09		25.0	0.0
10	QPSK	1	26		23.94			
10	QPSK	1	50		24.02			
10	QPSK	25	0		22.96		24.0	1.0
10	QPSK	25	14		23.97		25.0	0.0
10	QPSK	25	27		22.81		24.0	1.0
10	QPSK	50	0		22.95			
10	16QAM	1	1		23.08		24.0	1.0
10	64QAM	1	1		21.31		22.5	2.5
10	256QAM	1	1		19.15		20.5	4.5
Channel				155900	156400	156900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	1	23.84	23.96	23.93	25.0	0.0



n14 Ant0 Default								
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					158600		25.0	0.0
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		24.08		25.0	0.0
10	PI/2 BPSK	1	26		24.03			
10	PI/2 BPSK	1	50		23.98			
10	PI/2 BPSK	25	0		23.58		24.5	0.5
10	PI/2 BPSK	25	14		24.00		25.0	0.0
10	PI/2 BPSK	25	27		23.51		24.5	0.5
10	PI/2 BPSK	50	0		23.47			
10	QPSK	1	1		24.12		25.0	0.0
10	QPSK	1	26		23.97			
10	QPSK	1	50		24.02			
10	QPSK	25	0		23.04		24.0	1.0
10	QPSK	25	14		24.02		25.0	0.0
10	QPSK	25	27		22.93		24.0	1.0
10	QPSK	50	0		23.00			
10	16QAM	1	1		23.05		24.0	1.0
10	64QAM	1	1		21.63		22.5	2.5
10	256QAM	1	1		19.24		20.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.94	24.03	23.86	25.0	0.0



n26 Ant0 Default								
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	25.0	0.0
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	23.97	24.09	23.97	24.5	0.5
20	PI/2 BPSK	1	53	24.01	24.05	23.96		
20	PI/2 BPSK	1	104	23.94	24.00	23.92		
20	PI/2 BPSK	50	0	23.40	23.57	23.52	25.0	0.0
20	PI/2 BPSK	50	28	23.97	24.07	24.04	24.5	0.5
20	PI/2 BPSK	50	56	23.41	23.50	23.42		
20	PI/2 BPSK	100	0	23.44	23.60	23.57	25.0	0.0
20	QPSK	1	1	23.88	24.10	23.95		
20	QPSK	1	53	24.04	24.09	23.93		
20	QPSK	1	104	23.93	24.02	23.92	24.0	1.0
20	QPSK	50	0	22.84	22.99	22.82		
20	QPSK	50	28	23.96	24.07	23.92	25.0	0.0
20	QPSK	50	56	22.82	22.92	22.90	24.0	1.0
20	QPSK	100	0	22.91	23.07	22.92		
20	16QAM	1	1	23.07	23.11	23.02	24.0	1.0
20	64QAM	1	1	21.60	21.63	21.52	22.5	2.5
20	256QAM	1	1	19.38	19.44	19.38	20.5	4.5
Channel				164300	166300	168300	25.0	0.0
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	23.83	24.04	23.84	25.0	0.0
Channel				163800	166300	168800		
Frequency (MHz)				819	831.5	844	25.0	0.0
10	QPSK	1	1	23.77	24.00	23.84		
Channel				163300	166300	169300	25.0	0.0
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	23.79	23.99	23.89	25.0	0.0



n71 Ant0 Default								
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	25.0	0.0
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	24.01	24.18	24.08	25.0	0.0
20	PI/2 BPSK	1	53	23.95	24.12	24.09		
20	PI/2 BPSK	1	104	24.00	24.09	24.06		
20	PI/2 BPSK	50	0	23.51	23.61	23.55	24.5	0.5
20	PI/2 BPSK	50	28	23.98	24.06	23.97	25.0	0.0
20	PI/2 BPSK	50	56	23.52	23.58	23.55	24.5	0.5
20	PI/2 BPSK	100	0	23.52	23.60	23.50		
20	QPSK	1	1	24.18	24.23	24.07	25.0	0.0
20	QPSK	1	53	24.06	24.20	24.09		
20	QPSK	1	104	23.97	24.14	24.00		
20	QPSK	50	0	22.90	23.05	22.89	24.0	1.0
20	QPSK	50	28	23.97	24.09	24.03	25.0	0.0
20	QPSK	50	56	22.92	23.08	23.01	24.0	1.0
20	QPSK	100	0	22.98	23.03	22.86		
20	16QAM	1	1	22.65	22.81	22.76	24.0	1.0
20	64QAM	1	1	21.56	21.72	21.57	22.5	2.5
20	256QAM	1	1	19.53	19.58	19.46	20.5	4.5
Channel				134100	136100	138100	25.0	0.0
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	24.03	24.19	23.91	25.0	0.0
Channel				133600	136100	138600	25.0	0.0
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	24.08	24.08	24.02	25.0	0.0
Channel				133100	136100	139100	25.0	0.0
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	24.05	24.19	24.03	25.0	0.0



n41 PC3 Ant0 Default

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	21.65	21.73	21.60	23.0	0.0
100	PI/2 BPSK	1	137	21.60	21.66	21.54		
100	PI/2 BPSK	1	271	21.48	21.61	21.53		
100	PI/2 BPSK	135	0	21.10	21.17	21.11	22.5	0.5
100	PI/2 BPSK	135	69	21.56	21.69	21.60	23.0	0.0
100	PI/2 BPSK	135	138	20.82	20.91	20.86	22.5	0.5
100	PI/2 BPSK	270	0	20.92	20.99	20.91		
100	QPSK	1	1	21.74	21.79	21.67	23.0	0.0
100	QPSK	1	137	21.58	21.71	21.61		
100	QPSK	1	271	21.64	21.67	21.56		
100	QPSK	135	0	20.65	20.69	20.57	22.0	1.0
100	QPSK	135	69	21.67	21.72	21.59	23.0	0.0
100	QPSK	135	138	20.29	20.36	20.30	22.0	1.0
100	QPSK	270	0	20.40	20.54	20.50		
100	16QAM	1	1	20.60	20.73	20.61	22.0	1.0
100	64QAM	1	1	19.01	19.11	19.07	20.5	2.5
100	256QAM	1	1	16.74	16.86	16.80	18.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.61	21.72	21.57	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.67	21.70	21.62	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.70	21.65	21.52	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.64	21.71	21.63	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.70	21.74	21.63	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.70	21.69	21.58	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.63	21.65	21.53	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.59	21.66	21.63	23.0	0.0



Part270 n77 PC3 Ant0 DSI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	21.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.12	20.20	20.22	21.0	0.0
100	PI/2 BPSK	1	137	20.21	20.17	19.96		
100	PI/2 BPSK	1	271	19.71	19.87	19.83		
100	PI/2 BPSK	135	0	19.97	20.02	20.07	21.0	0.0
100	PI/2 BPSK	135	69	19.91	19.93	20.06	21.0	0.0
100	PI/2 BPSK	135	138	19.84	19.90	19.89	21.0	0.0
100	PI/2 BPSK	270	0	19.88	20.02	20.02		
100	QPSK	1	1	20.13	20.37	20.02	21.0	0.0
100	QPSK	1	137	19.61	20.25	19.29		
100	QPSK	1	271	19.71	19.89	19.74		
100	QPSK	135	0	20.30	20.00	20.24	20.5	0.5
100	QPSK	135	69	20.09	20.31	20.02	21.0	0.0
100	QPSK	135	138	20.13	20.16	20.10	20.5	0.5
100	QPSK	270	0	20.21	20.28	20.19		
100	16QAM	1	1	20.20	20.21	20.11	20.5	0.5
100	64QAM	1	1	18.62	18.67	18.64	19.0	2.0
100	256QAM	1	1	16.43	16.54	16.50	17.0	4.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.37	19.94	19.05	21.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.42	19.97	19.20	21.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.39	19.93	19.10	21.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.35	19.96	19.02	21.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.35	20.08	19.15	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.49	20.02	19.20	21.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.49	20.00	19.03	21.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.44	20.16	19.05	21.0	0.0



Part27Q n77 PC3 Ant0 DSI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		21.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.09		21.0	0.0
100	PI/2 BPSK	1	137		19.02			
100	PI/2 BPSK	1	271		19.09			
100	PI/2 BPSK	135	0		19.03		21.0	0.0
100	PI/2 BPSK	135	69		19.03		21.0	0.0
100	PI/2 BPSK	135	138		19.02		21.0	0.0
100	PI/2 BPSK	270	0		19.01			
100	QPSK	1	1		19.15		21.0	0.0
100	QPSK	1	137		19.08			
100	QPSK	1	271		19.09			
100	QPSK	135	0		18.67		20.5	0.5
100	QPSK	135	69		19.11		21.0	0.0
100	QPSK	135	138		18.56		20.5	0.5
100	QPSK	270	0		18.64			
100	16QAM	1	1		18.69		20.5	0.5
100	64QAM	1	1		17.13		19.0	2.0
100	256QAM	1	1		15.20		17.0	4.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.07	19.02	19.08	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.09	19.12	19.06	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.13	19.13	19.07	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.03	19.06	19.05	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.09	19.09	19.09	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.14	19.09	19.01	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.04	19.11	19.02	21.0	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	19.11	19.02	21.0	0.0



n2 Ant1 Default								
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	24.05	24.09	23.99	25.0	0.0
20	PI/2 BPSK	1	53	24.02	24.12	23.92		
20	PI/2 BPSK	1	104	23.95	24.06	24.05		
20	PI/2 BPSK	50	0	23.39	23.60	23.56	24.5	0.5
20	PI/2 BPSK	50	28	23.90	24.10	24.08	25.0	0.0
20	PI/2 BPSK	50	56	23.42	23.58	23.49	24.5	0.5
20	PI/2 BPSK	100	0	23.54	23.60	23.41		
20	QPSK	1	1	24.11	24.14	24.06	25.0	0.0
20	QPSK	1	53	23.91	24.09	23.93		
20	QPSK	1	104	23.88	24.08	24.04		
20	QPSK	50	0	23.10	23.10	23.07	24.0	1.0
20	QPSK	50	28	23.92	24.11	24.05	25.0	0.0
20	QPSK	50	56	23.03	23.06	23.00	24.0	1.0
20	QPSK	100	0	23.00	23.05	22.92		
20	16QAM	1	1	22.93	23.00	22.99	24.0	1.0
20	64QAM	1	1	21.44	21.45	21.40	22.5	2.5
20	256QAM	1	1	19.50	19.50	19.39	20.5	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	24.00	24.02	23.98	25.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.93	24.13	23.89	25.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	24.05	24.11	24.08	25.0	0.0



n25 Ant1 Default								
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				374000	376500	379000	25.0	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	24.06	24.18	24.13		
40	PI/2 BPSK	1	108	24.04	24.12	24.06	24.5	0.5
40	PI/2 BPSK	1	214	23.99	24.10	23.91		
40	PI/2 BPSK	108	0	23.51	23.63	23.58		
40	PI/2 BPSK	108	54	23.11	23.08	23.01	25.0	0.0
40	PI/2 BPSK	108	108	23.64	23.66	23.58	24.5	0.5
40	PI/2 BPSK	216	0	23.39	23.60	23.51		
40	QPSK	1	1	24.14	24.22	24.17		
40	QPSK	1	108	24.10	24.21	24.03	25.0	0.0
40	QPSK	1	214	24.03	24.13	24.12		
40	QPSK	108	0	23.06	23.14	23.14		
40	QPSK	108	54	23.98	24.10	24.01	25.0	0.0
40	QPSK	108	108	22.96	23.11	23.06	24.0	1.0
40	QPSK	216	0	23.02	23.15	22.96		
40	16QAM	1	1	22.89	23.05	22.98		
40	64QAM	1	1	21.38	21.47	21.27	22.5	2.5
40	256QAM	1	1	19.46	19.55	19.45	20.5	4.5
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	24.04	24.06	24.16	25.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.99	24.03	24.16	25.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.96	24.19	24.02	25.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	24.07	24.03	23.95	25.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.95	24.11	24.10	25.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	24.14	24.08	24.04	25.0	0.0



n66 Ant1 Default								
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	25.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	24.27	24.29	24.21	25.0	0.0
40	PI/2 BPSK	1	108	24.23	24.23	24.18		
40	PI/2 BPSK	1	214	24.04	24.16	23.98		
40	PI/2 BPSK	108	0	23.45	23.63	23.49	24.5	0.5
40	PI/2 BPSK	108	54	24.12	24.23	24.19	25.0	0.0
40	PI/2 BPSK	108	108	23.75	23.95	23.73	24.5	0.5
40	PI/2 BPSK	216	0	23.65	23.78	23.57		
40	QPSK	1	1	24.33	24.35	24.24	25.0	0.0
40	QPSK	1	108	24.17	24.23	24.13		
40	QPSK	1	214	24.23	24.27	24.11		
40	QPSK	108	0	23.03	23.09	22.87	24.0	1.0
40	QPSK	108	54	24.07	24.27	24.20	25.0	0.0
40	QPSK	108	108	23.05	23.24	23.23	24.0	1.0
40	QPSK	216	0	23.26	23.31	23.19		
40	16QAM	1	1	22.76	22.90	22.70	24.0	1.0
40	64QAM	1	1	21.22	21.36	21.29	22.5	2.5
40	256QAM	1	1	19.45	19.48	19.37	20.5	4.5
Channel				345000	349000	353000	25.0	0.0
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.17	24.25	24.03	25.0	0.0
Channel				344000	349000	354000	25.0	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.12	24.18	24.16	25.0	0.0
Channel				343500	349000	354500	25.0	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	24.17	24.22	24.20	25.0	0.0
Channel				343000	349000	355000	25.0	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	24.23	24.19	24.18	25.0	0.0
Channel				342500	349000	355500	25.0	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	24.34	24.23	24.12	25.0	0.0



Part270 n77 PC3 Ant1 Default

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	22.42	22.48	22.38	23.0	0.0
100	PI/2 BPSK	1	137	22.36	22.43	22.32		
100	PI/2 BPSK	1	271	22.27	22.36	22.26		
100	PI/2 BPSK	135	0	21.94	21.98	21.84	22.5	0.5
100	PI/2 BPSK	135	69	22.36	22.42	22.31	23.0	0.0
100	PI/2 BPSK	135	138	21.84	21.93	21.80	22.5	0.5
100	PI/2 BPSK	270	0	21.86	21.99	21.91		
100	QPSK	1	1	22.46	22.52	22.41	23.0	0.0
100	QPSK	1	137	22.33	22.44	22.30		
100	QPSK	1	271	22.32	22.40	22.33		
100	QPSK	135	0	21.45	21.53	21.45	22.0	1.0
100	QPSK	135	69	22.40	22.46	22.41	23.0	0.0
100	QPSK	135	138	21.29	21.41	21.37	22.0	1.0
100	QPSK	270	0	21.31	21.45	21.41		
100	16QAM	1	1	21.10	21.22	21.14	22.0	1.0
100	64QAM	1	1	20.05	20.17	20.08	20.5	2.5
100	256QAM	1	1	17.68	17.73	17.64	18.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.39	22.39	22.36	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	22.31	22.45	22.38	23.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.42	22.39	22.29	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	22.41	22.49	22.33	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	22.38	22.39	22.33	23.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.34	22.40	22.34	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	22.39	22.46	22.32	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	22.40	22.43	22.28	23.0	0.0



Part27Q n77 PC3 Ant1 Default

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		22.09		22.5	0.5
100	PI/2 BPSK	1	137		22.03			
100	PI/2 BPSK	1	271		21.97		23.0	0.0
100	PI/2 BPSK	135	0		21.57			
100	PI/2 BPSK	135	69		22.03		22.5	0.5
100	PI/2 BPSK	135	138		21.29			
100	PI/2 BPSK	270	0		21.35		23.0	0.0
100	QPSK	1	1		22.16			
100	QPSK	1	137		22.08		22.0	1.0
100	QPSK	1	271		22.03			
100	QPSK	135	0		21.03		23.0	0.0
100	QPSK	135	69		22.11			
100	QPSK	135	138		20.88		22.0	1.0
100	QPSK	270	0		20.94			
100	16QAM	1	1		21.12		22.0	1.0
100	64QAM	1	1		19.41			
100	256QAM	1	1		17.28		18.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.98	22.07	21.99	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	22.02	22.04	22.02	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	22.00	22.09	22.08	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	21.93	22.13	22.06	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	22.02	22.04	22.08	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	21.99	22.11	22.03	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	21.98	22.10	22.01	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	22.00	22.03	22.09	23.0	0.0



n2 Ant2 Default								
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	25.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.97	24.02	23.85		
20	PI/2 BPSK	1	53	23.91	23.99	23.91	24.5	0.5
20	PI/2 BPSK	1	104	23.59	23.69	23.54		
20	PI/2 BPSK	50	0	23.26	23.40	23.36	25.0	0.0
20	PI/2 BPSK	50	28	23.79	23.95	23.84	24.5	0.5
20	PI/2 BPSK	50	56	23.41	23.44	23.32	25.0	0.0
20	PI/2 BPSK	100	0	23.30	23.40	23.33		
20	QPSK	1	1	23.92	24.06	23.89	24.0	1.0
20	QPSK	1	53	23.74	24.09	23.66		
20	QPSK	1	104	23.49	23.61	23.57		
20	QPSK	50	0	22.81	23.03	22.60	25.0	0.0
20	QPSK	50	28	23.73	23.99	23.65	24.0	1.0
20	QPSK	50	56	22.60	22.76	22.67		
20	QPSK	100	0	22.81	22.95	22.92	24.0	1.0
20	16QAM	1	1	22.64	22.68	22.64	24.0	1.0
20	64QAM	1	1	21.31	21.48	21.35	22.5	2.5
20	256QAM	1	1	19.36	19.40	19.25	20.5	4.5
Channel				371500	376000	380500	25.0	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.64	24.06	23.54	25.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905	25.0	0.0
10	QPSK	1	1	23.59	23.99	23.60		
Channel				370500	376000	381500	25.0	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.72	23.93	23.59	25.0	0.0



n7 Ant2 Default								
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	25.0	0.0
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	24.46	24.48	24.42		
40	PI/2 BPSK	1	108	24.41	24.51	24.38	24.5	0.5
40	PI/2 BPSK	1	214	24.40	24.54	24.44		
40	PI/2 BPSK	108	0	23.89	24.06	23.94		
40	PI/2 BPSK	108	54	24.32	24.47	24.44	25.0	0.0
40	PI/2 BPSK	108	108	23.98	24.11	24.06	24.5	0.5
40	PI/2 BPSK	216	0	23.82	23.99	23.94		
40	QPSK	1	1	24.24	24.56	24.42		
40	QPSK	1	108	24.51	24.54	24.49	25.0	0.0
40	QPSK	1	214	24.43	24.49	24.40		
40	QPSK	108	0	23.35	23.47	23.38		
40	QPSK	108	54	24.21	24.44	24.33	25.0	0.0
40	QPSK	108	108	23.39	23.53	23.39	24.0	1.0
40	QPSK	216	0	23.30	23.51	23.38		
40	16QAM	1	1	23.23	23.27	23.22		
40	64QAM	1	1	22.02	22.08	22.01	22.5	2.5
40	256QAM	1	1	19.91	20.03	20.00	20.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	24.20	24.52	24.33	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	24.07	24.47	24.25	25.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	24.16	24.42	24.29	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	24.22	24.49	24.35	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.20	24.43	24.39	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	24.16	24.53	24.37	25.0	0.0



n25 Ant2 Default								
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				374000	376500	379000	25.0	0.0
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.78	23.89	23.76		
40	PI/2 BPSK	1	108	23.97	24.12	24.04	24.5	0.5
40	PI/2 BPSK	1	214	23.87	24.03	23.92		
40	PI/2 BPSK	108	0	23.45	23.62	23.55		
40	PI/2 BPSK	108	54	23.98	24.10	23.94	25.0	0.0
40	PI/2 BPSK	108	108	23.23	23.36	23.30	24.5	0.5
40	PI/2 BPSK	216	0	23.47	23.58	23.52		
40	QPSK	1	1	23.86	24.14	24.02		
40	QPSK	1	108	23.70	23.80	23.70	25.0	0.0
40	QPSK	1	214	23.69	23.84	23.80		
40	QPSK	108	0	22.95	23.05	22.89		
40	QPSK	108	54	23.87	24.01	23.85	25.0	0.0
40	QPSK	108	108	22.76	22.90	22.81	24.0	1.0
40	QPSK	216	0	23.04	23.07	23.01		
40	16QAM	1	1	22.58	22.74	22.63		
40	64QAM	1	1	21.39	21.51	21.44	22.5	2.5
40	256QAM	1	1	19.44	19.47	19.31	20.5	4.5
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.81	23.99	23.98	25.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.75	24.06	23.88	25.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.79	24.01	23.99	25.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.72	23.99	23.88	25.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.79	24.10	23.85	25.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.69	24.09	23.86	25.0	0.0



n66 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.99	24.09	23.93	25.0	0.0
40	PI/2 BPSK	1	108	23.96	24.02	23.92		
40	PI/2 BPSK	1	214	23.93	24.03	23.88		
40	PI/2 BPSK	108	0	23.38	23.46	23.33	24.5	0.5
40	PI/2 BPSK	108	54	23.90	23.97	23.80	25.0	0.0
40	PI/2 BPSK	108	108	23.56	23.61	23.59	24.5	0.5
40	PI/2 BPSK	216	0	23.54	23.56	23.49		
40	QPSK	1	1	24.08	24.16	23.99	25.0	0.0
40	QPSK	1	108	23.94	24.07	24.03		
40	QPSK	1	214	23.93	24.10	24.03		
40	QPSK	108	0	22.96	23.02	22.90	24.0	1.0
40	QPSK	108	54	23.94	24.04	24.01	25.0	0.0
40	QPSK	108	108	23.00	23.03	22.94	24.0	1.0
40	QPSK	216	0	23.01	23.07	22.98		
40	16QAM	1	1	22.76	22.86	22.83	24.0	1.0
40	64QAM	1	1	21.43	21.58	21.44	22.5	2.5
40	256QAM	1	1	19.41	19.49	19.35	20.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.05	24.07	23.89	25.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.00	24.03	23.89	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.92	24.12	23.87	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.99	24.14	23.95	25.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.94	24.04	23.84	25.0	0.0



n38 Ant2 Default								
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	25.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	24.09	24.11	23.98	25.0	0.0
40	PI/2 BPSK	1	53	24.20	24.24	24.10		
40	PI/2 BPSK	1	104	24.07	24.21	24.12		
40	PI/2 BPSK	50	0	23.58	23.72	23.69	24.5	0.5
40	PI/2 BPSK	50	28	24.12	24.21	24.06	25.0	0.0
40	PI/2 BPSK	50	56	23.75	23.78	23.61	24.5	0.5
40	PI/2 BPSK	100	0	23.59	23.67	23.52		
40	QPSK	1	1	24.06	24.28	24.17	25.0	0.0
40	QPSK	1	53	23.94	24.08	23.92		
40	QPSK	1	104	24.10	24.13	24.08		
40	QPSK	50	0	23.18	23.21	23.15	24.0	1.0
40	QPSK	50	28	24.03	24.20	24.04	25.0	0.0
40	QPSK	50	56	23.11	23.17	23.01	24.0	1.0
40	QPSK	100	0	23.08	23.16	23.09		
40	16QAM	1	1	22.81	22.89	22.78	24.0	1.0
40	64QAM	1	1	21.57	21.64	21.52	22.5	2.5
40	256QAM	1	1	19.42	19.48	19.36	20.5	4.5
Channel				517002	519000	520998	25.0	0.0
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	24.02	24.20	24.02	25.0	0.0
Channel				516000	519000	522000	25.0	0.0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.90	24.25	24.07	25.0	0.0



n41 PC3 Ant2 Default

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	22.99	23.12	22.95	24.0	0.0
100	PI/2 BPSK	1	137	22.92	23.07	22.99		
100	PI/2 BPSK	1	271	22.88	22.96	22.89		
100	PI/2 BPSK	135	0	22.59	22.64	22.55	23.5	0.5
100	PI/2 BPSK	135	69	22.96	23.09	23.06	24.0	0.0
100	PI/2 BPSK	135	138	22.34	22.48	22.40	23.5	0.5
100	PI/2 BPSK	270	0	22.43	22.56	22.39		
100	QPSK	1	1	22.98	23.14	23.05	24.0	0.0
100	QPSK	1	137	22.88	22.99	22.91		
100	QPSK	1	271	22.67	22.83	22.71		
100	QPSK	135	0	22.07	22.12	22.06	23.0	1.0
100	QPSK	135	69	22.93	23.10	22.96	24.0	0.0
100	QPSK	135	138	21.82	21.98	21.88	23.0	1.0
100	QPSK	270	0	22.00	22.02	21.91		
100	16QAM	1	1	22.26	22.29	22.17	23.0	1.0
100	64QAM	1	1	20.59	20.62	20.48	21.5	2.5
100	256QAM	1	1	18.23	18.33	18.25	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	22.96	23.01	22.94	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	22.88	23.02	22.89	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	22.85	23.10	22.97	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	22.95	23.11	22.88	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	22.93	23.09	23.00	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	22.83	23.07	23.00	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	22.96	23.03	23.03	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	22.84	23.01	22.97	24.0	0.0



n41 PC2 Ant2 Default

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	26.16	26.24	26.15	27.0	0.0
100	PI/2 BPSK	1	137	26.06	26.20	26.10		
100	PI/2 BPSK	1	271	26.06	26.15	26.01		
100	PI/2 BPSK	135	0	25.79	25.82	25.68	26.5	0.5
100	PI/2 BPSK	135	69	26.11	26.18	26.05	27.0	0.0
100	PI/2 BPSK	135	138	25.56	25.61	25.46	26.5	0.5
100	PI/2 BPSK	270	0	25.70	25.74	25.67		
100	QPSK	1	1	26.15	26.26	26.09	27.0	0.0
100	QPSK	1	137	25.89	26.04	25.91		
100	QPSK	1	271	25.81	25.92	25.80		
100	QPSK	135	0	25.16	25.19	25.04	26.0	1.0
100	QPSK	135	69	26.14	26.19	26.12	27.0	0.0
100	QPSK	135	138	24.92	25.04	24.95	26.0	1.0
100	QPSK	270	0	25.07	25.16	25.03		
100	16QAM	1	1	24.96	24.98	24.96	26.0	1.0
100	64QAM	1	1	23.70	23.76	23.73	24.5	2.5
100	256QAM	1	1	21.49	21.59	21.54	22.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	26.00	26.17	25.99	27.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	26.09	26.17	25.96	27.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	26.11	26.12	26.03	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	26.13	26.18	25.97	27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	26.03	26.18	26.05	27.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	26.12	26.12	25.96	27.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	26.05	26.09	26.04	27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.99	26.10	25.95	27.0	0.0



n41 PC3 Ant3 Default

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	21.93	22.06	22.00	23.0	0.0
100	PI/2 BPSK	1	137	21.94	22.02	21.93		
100	PI/2 BPSK	1	271	21.83	21.97	21.88		
100	PI/2 BPSK	135	0	21.55	21.64	21.60	22.5	0.5
100	PI/2 BPSK	135	69	21.85	21.95	21.92	23.0	0.0
100	PI/2 BPSK	135	138	21.46	21.49	21.40	22.5	0.5
100	PI/2 BPSK	270	0	21.40	21.54	21.50		
100	QPSK	1	1	22.05	22.13	22.08	23.0	0.0
100	QPSK	1	137	21.98	22.09	22.04		
100	QPSK	1	271	21.93	22.01	21.96		
100	QPSK	135	0	21.03	21.11	21.06	22.0	1.0
100	QPSK	135	69	22.01	22.05	21.95	23.0	0.0
100	QPSK	135	138	20.86	20.97	20.93	22.0	1.0
100	QPSK	270	0	20.95	21.09	20.96		
100	16QAM	1	1	21.01	21.14	21.07	22.0	1.0
100	64QAM	1	1	19.34	19.43	19.36	20.5	2.5
100	256QAM	1	1	17.08	17.22	17.15	18.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.92	22.03	21.97	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.93	21.98	22.04	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.94	21.99	22.02	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.91	22.08	22.02	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.98	21.98	21.95	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.93	22.09	21.98	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.97	22.07	22.05	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.99	22.05	22.05	23.0	0.0



n41 PC3 Ant4 Default

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	22.31	22.37	22.24	23.0	0.0
100	PI/2 BPSK	1	137	22.19	22.31	22.26		
100	PI/2 BPSK	1	271	22.15	22.28	22.23		
100	PI/2 BPSK	135	0	21.82	21.95	21.90	22.5	0.5
100	PI/2 BPSK	135	69	22.26	22.33	22.20	23.0	0.0
100	PI/2 BPSK	135	138	21.67	21.79	21.66	22.5	0.5
100	PI/2 BPSK	270	0	21.76	21.87	21.82		
100	QPSK	1	1	22.38	22.43	22.29	23.0	0.0
100	QPSK	1	137	22.33	22.38	22.23		
100	QPSK	1	271	22.23	22.33	22.20		
100	QPSK	135	0	21.35	21.46	21.40	22.0	1.0
100	QPSK	135	69	22.24	22.36	22.24	23.0	0.0
100	QPSK	135	138	21.08	21.23	21.19	22.0	1.0
100	QPSK	270	0	21.27	21.41	21.36		
100	16QAM	1	1	21.35	21.46	21.40	22.0	1.0
100	64QAM	1	1	19.66	19.73	19.60	20.5	2.5
100	256QAM	1	1	17.39	17.53	17.48	18.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.24	22.34	22.14	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.26	22.40	22.18	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.32	22.38	22.22	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.27	22.36	22.18	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.33	22.39	22.22	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.34	22.39	22.22	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.29	22.30	22.15	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.28	22.36	22.22	23.0	0.0



n48 Part96 Ant5 DSI 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				640000	641666	643332	21.7	0.0
Frequency (MHz)				3600	3624.99	3649.98		
40	PI/2 BPSK	1	1	20.52	20.60	20.56	21.7	0.0
40	PI/2 BPSK	1	53	20.49	20.56	20.42		
40	PI/2 BPSK	1	104	20.53	20.58	20.46		
40	PI/2 BPSK	50	0	20.46	20.55	20.46	21.7	0.0
40	PI/2 BPSK	50	28	20.41	20.55	20.50	21.7	0.0
40	PI/2 BPSK	50	56	20.33	20.46	20.42	21.7	0.0
40	PI/2 BPSK	100	0	20.45	20.54	20.42		
40	QPSK	1	1	20.63	20.69	20.61	21.7	0.0
40	QPSK	1	53	20.46	20.54	20.45		
40	QPSK	1	104	20.58	20.63	20.56		
40	QPSK	50	0	20.44	20.49	20.45	21.7	0.0
40	QPSK	50	28	20.47	20.62	20.53	21.7	0.0
40	QPSK	50	56	20.41	20.51	20.40	21.7	0.0
40	QPSK	100	0	20.47	20.58	20.49		
40	16QAM	1	1	20.47	20.51	20.40	21.7	0.0
40	64QAM	1	1	20.38	20.45	20.31	21.5	0.2
40	256QAM	1	1	19.37	19.49	19.42	19.5	2.2
Channel				637334	641666	646000	21.7	0.0
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.48	20.59	20.55	21.7	0.0
Channel				637000	641666	646332	21.7	0.0
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	20.50	20.57	20.52	21.7	0.0



Part270 n77 Ant5 DSI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.87	20.93	20.81	22.0	0.0
100	PI/2 BPSK	1	137	20.71	20.86	20.81		
100	PI/2 BPSK	1	271	20.73	20.81	20.78		
100	PI/2 BPSK	135	0	20.64	20.76	20.62	22.0	0.0
100	PI/2 BPSK	135	69	20.79	20.88	20.83	22.0	0.0
100	PI/2 BPSK	135	138	20.62	20.73	20.60	22.0	0.0
100	PI/2 BPSK	270	0	20.69	20.83	20.72		
100	QPSK	1	1	20.92	20.98	20.86	22.0	0.0
100	QPSK	1	137	20.86	20.91	20.80		
100	QPSK	1	271	20.74	20.86	20.81		
100	QPSK	135	0	20.75	20.82	20.69	22.0	0.0
100	QPSK	135	69	20.88	20.93	20.78	22.0	0.0
100	QPSK	135	138	20.76	20.79	20.66	22.0	0.0
100	QPSK	270	0	20.73	20.85	20.74		
100	16QAM	1	1	20.81	20.84	20.80	22.0	0.0
100	64QAM	1	1	20.72	20.76	20.67	22.0	0.0
100	256QAM	1	1	20.59	20.71	20.60	22.0	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.84	20.88	20.81	22.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.80	20.92	20.73	22.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.85	20.91	20.73	22.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.83	20.86	20.81	22.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.87	20.85	20.77	22.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.87	20.93	20.82	22.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.85	20.86	20.82	22.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.86	20.94	20.77	22.0	0.0



Part27Q n77 Ant5 DSI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		22.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.82		22.0	0.0
100	PI/2 BPSK	1	137		20.77			
100	PI/2 BPSK	1	271		20.78			
100	PI/2 BPSK	135	0		20.72		22.0	0.0
100	PI/2 BPSK	135	69		20.80		22.0	0.0
100	PI/2 BPSK	135	138		20.70		22.0	0.0
100	PI/2 BPSK	270	0		20.73			
100	QPSK	1	1		20.87		22.0	0.0
100	QPSK	1	137		20.78			
100	QPSK	1	271		20.81			
100	QPSK	135	0		20.78		22.0	0.0
100	QPSK	135	69		20.83		22.0	0.0
100	QPSK	135	138		20.72		22.0	0.0
100	QPSK	270	0		20.79			
100	16QAM	1	1		20.73		22.0	0.0
100	64QAM	1	1		20.70		22.0	0.0
100	256QAM	1	1		20.66		22.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.78	20.82	20.64	22.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.69	20.79	20.74	22.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.75	20.81	20.71	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.68	20.76	20.64	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.73	20.74	20.73	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.74	20.72	20.64	22.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.73	20.80	20.66	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.70	20.81	20.64	22.0	0.0



Part270 n77 PC3 Ant6 Default

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	23.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.11	22.16	22.02		
100	PI/2 BPSK	1	137	22.05	22.13	22.06	22.5	0.5
100	PI/2 BPSK	1	271	21.97	22.09	21.98		
100	PI/2 BPSK	135	0	21.57	21.62	21.53		
100	PI/2 BPSK	135	69	22.02	22.10	21.98	23.0	0.0
100	PI/2 BPSK	135	138	21.46	21.51	21.37		
100	PI/2 BPSK	270	0	21.51	21.59	21.52		
100	QPSK	1	1	22.17	22.22	22.09	23.0	0.0
100	QPSK	1	137	22.10	22.18	22.06		
100	QPSK	1	271	22.07	22.13	22.02		
100	QPSK	135	0	21.02	21.14	21.01	22.0	1.0
100	QPSK	135	69	22.11	22.18	22.10		
100	QPSK	135	138	21.00	21.09	21.05		
100	QPSK	270	0	21.04	21.17	21.06	22.0	1.0
100	16QAM	1	1	21.05	21.12	20.98		
100	64QAM	1	1	19.42	19.47	19.42		
100	256QAM	1	1	17.18	17.26	17.13	18.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.07	22.17	22.03	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	22.04	22.10	22.01	23.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.10	22.13	21.99	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	22.09	22.19	22.05	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	22.04	22.14	22.02	23.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.05	22.18	22.00	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	22.05	22.15	21.96	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	22.04	22.12	22.05	23.0	0.0



Part27Q n77 PC3 Ant6 Default

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		21.37		22.5	0.5
100	PI/2 BPSK	1	137		21.32			
100	PI/2 BPSK	1	271		21.21			
100	PI/2 BPSK	135	0		20.78		23.0	0.0
100	PI/2 BPSK	135	69		21.25			
100	PI/2 BPSK	135	138		20.68		22.5	0.5
100	PI/2 BPSK	270	0		20.75			
100	QPSK	1	1		21.41		23.0	0.0
100	QPSK	1	137		21.34			
100	QPSK	1	271		21.26			
100	QPSK	135	0		20.22		22.0	1.0
100	QPSK	135	69		21.36			
100	QPSK	135	138		20.19		22.0	1.0
100	QPSK	270	0		20.26			
100	16QAM	1	1		20.47		22.0	1.0
100	64QAM	1	1		18.74		20.5	2.5
100	256QAM	1	1		16.56		18.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.20	21.31	21.29	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	21.21	21.35	21.27	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	21.22	21.28	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	21.30	21.34	21.31	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	21.30	21.31	21.28	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	21.23	21.27	21.25	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	21.22	21.28	21.27	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	21.25	21.36	21.28	23.0	0.0

<WLAN Conducted Power>

General Note:

1. The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures. For "Not required", SAR Test reduction was applied from KDB 248227 guidance, Sec. 2.1, b), 1) when the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration. Additional output power measurements were not necessary.
2. Per KDB 248227 D01v02r02, SAR test reduction is determined according to 802.11 transmission mode configurations and certain exposure conditions with multiple test positions. In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. For OFDM, in both 2.4 and 5 GHz bands, an initial test configuration must be determined for each standalone and aggregated frequency band, according to the transmission mode configuration with the highest maximum output power specified for production units to perform SAR measurements. If the same highest maximum output power applies to different combinations of channel bandwidths, modulations and data rates, additional procedures are applied to determine which test configurations require SAR measurement. When applicable, an initial test position may be applied to reduce the number of SAR measurements required for next to the ear, UMPC mini-tablet or hotspot mode configurations with multiple test positions.
3. For 2.4 GHz 802.11b DSSS, either the initial test position procedure for multiple exposure test positions or the DSSS procedure for fixed exposure position is applied; these are mutually exclusive. For 2.4 GHz and 5 GHz OFDM configurations, the initial test configuration is applied to measure SAR using either the initial test position procedure for multiple exposure test position configurations or the initial test configuration procedures for fixed exposure test conditions. Based on the reported SAR of the measured configurations and maximum output power of the transmission mode configurations that are not included in the initial test configuration, the subsequent test configuration and initial test position procedures are applied to determine if SAR measurements are required for the remaining OFDM transmission configurations. In general, the number of test channels that require SAR measurement is minimized based on maximum output power measured for the test sample(s).
4. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel for each frequency band.
5. DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures.18 The initial test position procedure is described in the following:
 - a. When the reported SAR of the initial test position is ≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band.
 - b. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
6. For all positions/configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
7. For full RU and partial tone size output power measurement, after verification for the partial tone size mode power level will not higher than full tone size power level, so chose full tone power to be measured in this report.
8. The 2.4GHz/5GHz/6GHz WLAN can transmit in SISO and MIMO mode.
9. For WLAN SISO & MIMO(CDD) &TX Beamforming mode of 802.11ax, and WLAN SISO & TX Beamforming mode is not greater than WLAN MIMO(CDD) mode, so conducted power of WLAN SISO &Tx Beamforming mode is not required.



<2.4GHz WLAN>

2.4GHz WLAN				Full power						Head Standalone Non DBS					
				MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8		MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	20.14	20.50	20.76	21.00	23.47	23.80	18.61	19.00	19.22	19.50	21.94	22.30	
	6	2437	20.15	20.50	20.80	21.00	23.50	23.80	18.67	19.00	19.25	19.50	21.98	22.30	
	11	2462	20.35	20.50	20.95	21.00	23.67	23.80	18.88	19.00	19.37	19.50	22.14	22.30	
802.11g 6Mbps	1	2412	19.06	19.50	19.46	20.00	22.27	22.80	18.59	19.00	19.06	19.50	21.83	22.30	
	6	2437	20.80	20.80	20.81	20.90	23.82	23.90	18.41	19.00	19.01	19.50	21.72	22.30	
	11	2462	17.69	18.00	17.96	18.00	20.84	21.00	17.69	18.00	17.96	18.00	20.83	21.00	
802.11n-HT20 MCS0	1	2412	18.38	18.50	18.65	19.00	21.53	21.80		18.50		19.00		21.80	
	6	2437	19.65	20.00	19.69	20.00	22.68	23.00	Not Required	19.00	Not Required	19.50	Not Required	22.30	
	11	2462	18.02	18.50	18.12	18.50	21.08	21.50		18.50		18.50		21.50	
802.11n-HT40 MCS0	3	2422	18.53	19.00	18.83	19.00	21.69	22.00	18.15	18.50	18.17	18.50	21.24	21.50	
	6	2437	17.81	18.00	17.83	18.00	20.83	21.00	17.81	18.00	17.83	18.00	20.83	21.00	
	9	2452	17.25	17.50	17.33	17.50	20.30	20.50	17.25	17.50	17.33	17.50	20.30	20.50	
802.11ac-VHT20 MCS0	1	2412	18.40	18.50	18.69	19.00	21.56	21.80		18.50		19.00		21.80	
	6	2437	19.68	20.00	19.71	20.00	22.71	23.00		19.00		19.50		22.30	
	11	2462	18.05	18.50	18.14	18.50	21.11	21.50		18.50		18.50		21.50	
802.11ac-VHT40 MCS0	3	2422	18.59	19.00	18.89	19.00	21.75	22.00		18.50		19.00		22.00	
	6	2437	17.85	18.00	17.87	18.00	20.87	21.00		18.00		18.00		21.00	
	9	2452	17.29	17.50	17.35	17.50	20.33	20.50	Not Required	17.50	Not Required	17.50	Not Required	20.50	
802.11ax-HE20 MCS0	1	2412	18.41	18.50	18.72	19.00	21.58	21.80		18.50		19.00		21.80	
	6	2437	19.79	20.00	19.87	20.00	22.84	23.00		19.00		19.50		22.30	
	11	2462	18.09	18.50	18.15	18.50	21.13	21.50		19.00		18.50		21.50	
802.11ax-HE40 MCS0	3	2422	18.61	19.00	18.92	19.00	21.78	22.00		18.50		19.00		21.50	
	6	2437	17.93	18.00	17.92	18.00	20.94	21.00		18.00		18.00		21.00	
	9	2452	17.31	17.50	17.37	17.50	20.35	20.50		17.50		17.50		20.50	



2.4GHz WLAN				Head Standalone DBS						Head Simultaneous Non DBS Bodyworn Simultaneous Non DBS Hotspot Standalone Non DBS Hotspot Standalone DBS Hotspot Simultaneous Non DBS					
				MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8		MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11b 1Mbps	1	2412	16.17	16.50	16.65	17.00	19.46	19.80	13.13	13.50	13.66	14.00	16.41	16.80	
	6	2437	16.12	16.50	16.71	17.00	19.51	19.80	13.12	13.50	13.72	14.00	16.44	16.80	
	11	2462	16.26	16.50	16.82	17.00	19.66	19.80	13.24	13.50	13.87	14.00	16.58	16.80	
802.11g 6Mbps	1	2412		16.50		17.00		19.80		13.50		14.00		16.80	
	6	2437		16.50		17.00		19.80		13.50		14.00		16.80	
	11	2462		16.50		17.00		19.80		13.50		14.00		16.80	
802.11n-HT20 MCS0	1	2412		16.50		17.00		19.80		13.50		14.00		16.80	
	6	2437		16.50		17.00		19.80		13.50		14.00		16.80	
	11	2462		16.50		17.00		19.80		13.50		14.00		16.80	
802.11n-HT40 MCS0	3	2422		16.50		17.00		19.80		13.50		14.00		16.80	
	6	2437		16.50		17.00		19.80		13.50		14.00		16.80	
	9	2452		16.50		17.00		19.80		13.50		14.00		16.80	
802.11ac-VHT20 MCS0	1	2412		16.50		17.00		19.80		13.50		14.00		16.80	
	6	2437	Not Required	16.50	Not Required	17.00	Not Required	19.80	Not Required	13.50	Not Required	14.00	Not Required	16.80	
	11	2462		16.50		17.00		19.80		13.50		14.00		16.80	
802.11ac-VHT40 MCS0	3	2422		16.50		17.00		19.80		13.50		14.00		16.80	
	6	2437		16.50		17.00		19.80		13.50		14.00		16.80	
	9	2452		16.50		17.00		19.80		13.50		14.00		16.80	
802.11ax-HE20 MCS0	1	2412		16.50		17.00		19.80		13.50		14.00		16.80	
	6	2437		16.50		17.00		19.80		13.50		14.00		16.80	
	11	2462		16.50		17.00		19.80		13.50		14.00		16.80	
802.11ax-HE40 MCS0	3	2422		16.50		17.00		19.80		13.50		14.00		16.80	
	6	2437		16.50		17.00		19.80		13.50		14.00		16.80	
	9	2452		16.50		17.00		19.80		13.50		14.00		16.80	



2.4GHz WLAN				Head Simultaneous DBS Bodyworn Simultaneous DBS Hotspot Simultaneous DBS						
				MIMO_Ant 7		MIMO_Ant 8		MIMO_Ant 7+8		Note
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	11.11	11.50	11.68	12.00	14.41	14.80	97.93
		6	2437	11.14	11.50	11.72	12.00	14.45	14.80	
		11	2462	11.30	11.50	11.86	12.00	14.60	14.80	
	802.11g 6Mbps	1	2412		11.50		12.00		14.80	98.97
		6	2437		11.50		12.00		14.80	
		11	2462		11.50		12.00		14.80	
	802.11n-HT20 MCS0	1	2412		11.50		12.00		14.80	100.00
		6	2437		11.50		12.00		14.80	
		11	2462		11.50		12.00		14.80	
	802.11n-HT40 MCS0	3	2422		11.50		12.00		14.80	100.00
		6	2437		11.50		12.00		14.80	
		9	2452		11.50		12.00		14.80	
	802.11ac-VHT20 MCS0	1	2412		11.50		12.00		14.80	100.00
		6	2437	Not Required	11.50	Not Required	12.00	Not Required	14.80	
		11	2462		11.50		12.00		14.80	
	802.11ac-VHT40 MCS0	3	2422		11.50		12.00		14.80	100.00
		6	2437		11.50		12.00		14.80	
		9	2452		11.50		12.00		14.80	
	802.11ax-HE20 MCS0	1	2412		11.50		12.00		14.80	100.00
		6	2437		11.50		12.00		14.80	
		11	2462		11.50		12.00		14.80	
	802.11ax-HE40 MCS0	3	2422		11.50		12.00		14.80	100.00
		6	2437		11.50		12.00		14.80	
		9	2452		11.50		12.00		14.80	



2.4GHz WLAN SISO Ant8				Full power Head Standalone Non DBS Head Standalone DBS		Head Simultaneous Non DBS Bodyworn Simultaneous Non DBS Extremity Simultaneous Non DBS Hotspot Standalone Non DBS Hotspot Standalone DBS Hotspot Simultaneous Non DBS		Head Simultaneous DBS Bodyworn Simultaneous DBS Hotspot Simultaneous DBS		Note	
				SISO_Ant 8		SISO_Ant 8		SISO_Ant 8			
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
	802.11b 1Mbps		1	2412	20.76	21.00	18.66	19.00	15.17	15.50	97.93
6			2437	20.80	21.00	18.72	19.00	15.24	15.50		
11			2462	20.95	21.00	18.80	19.00	15.33	15.50		
802.11g 6Mbps		1	2412	19.46	20.00	Not Required	19.00	Not Required	15.50	98.97	
		6	2437	20.81	20.90		19.00		15.50		
		11	2462	17.96	18.00		18.00		15.50		
802.11n-HT20 MCS0		1	2412	18.65	19.00		19.00		19.00	15.50	100.00
		6	2437	19.69	20.00		19.00		19.00	15.50	
		11	2462	18.12	18.50		18.50		15.50		
802.11n-HT40 MCS0		3	2422	18.83	19.00		19.00		19.00	15.50	100.00
		6	2437	17.83	18.00		18.00		18.00	15.50	
		9	2452	17.33	17.50		17.50		17.50	15.50	
802.11ac-VHT20 MCS0		1	2412	18.69	19.00		19.00		19.00	15.50	100.00
		6	2437	19.71	20.00		19.00		19.00	15.50	
		11	2462	18.14	18.50		18.50		18.50	15.50	
802.11ac-VHT40 MCS0		3	2422	18.89	19.00	19.00	19.00	15.50	100.00		
		6	2437	17.87	18.00	18.00	18.00	15.50			
		9	2452	17.35	17.50	17.50	17.50	15.50			
802.11ax-HE20 MCS0		1	2412	18.72	19.00	19.00	19.00	15.50	100.00		
		6	2437	19.87	20.00	19.00	19.00	15.50			
		11	2462	18.15	18.50	18.50	18.50	15.50			
802.11ax-HE40 MCS0		3	2422	18.92	19.00	19.00	19.00	15.50	100.00		
		6	2437	17.92	18.00	18.00	18.00	15.50			
		9	2452	17.37	17.50	17.50	17.50	15.50			