

Full Power Mode

Band		WCDMA V_Ast1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	24.00	24.10	23.94	25.00
3GPP Rel 6	HSDPA Subtest-1	23.15	23.14	22.96	24.00
3GPP Rel 6	HSDPA Subtest-2	23.08	23.01	22.98	24.00
3GPP Rel 6	HSDPA Subtest-3	22.55	22.63	22.37	23.50
3GPP Rel 6	HSDPA Subtest-4	22.70	22.57	22.58	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	23.04	23.09	23.03	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.97	23.12	23.11	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.54	22.48	22.63	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.55	22.60	22.48	23.50
3GPP Rel 6	HSUPA Subtest-1	22.97	22.97	23.07	24.00
3GPP Rel 6	HSUPA Subtest-2	21.08	21.13	20.96	22.00
3GPP Rel 6	HSUPA Subtest-3	21.99	22.11	22.01	23.00
3GPP Rel 6	HSUPA Subtest-4	21.08	21.16	20.92	22.00
3GPP Rel 6	HSUPA Subtest-5	23.05	23.00	23.04	24.00

Band 5 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				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	23.61	23.83	23.57	25	0
10	QPSK	1	25	23.52	23.56	23.55		
10	QPSK	1	49	23.45	23.59	23.48		
10	QPSK	25	0	22.67	22.69	22.64	24	1
10	QPSK	25	12	22.22	22.43	22.31		
10	QPSK	25	25	22.39	22.56	22.40		
10	QPSK	50	0	22.48	22.65	22.46	24	1
10	16QAM	1	0	22.17	22.38	22.30		
10	16QAM	1	25	22.22	22.27	22.25		
10	16QAM	1	49	22.16	22.24	22.25	23	2
10	16QAM	25	0	21.79	21.91	21.86		
10	16QAM	25	12	21.41	21.50	21.32		
10	16QAM	25	25	21.33	21.55	21.36	23	2
10	16QAM	50	0	21.79	21.86	21.88		
10	64QAM	1	0	21.95	21.99	21.90		
10	64QAM	1	25	21.79	21.82	21.66	22	3
10	64QAM	1	49	21.74	21.80	21.70		
10	64QAM	25	0	20.64	20.86	20.80		
10	64QAM	25	12	20.49	20.65	20.51	22	3
10	64QAM	25	25	20.62	20.83	20.74		
10	64QAM	50	0	20.82	20.90	20.82		
Channel				20425	20525	20625		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	23.45	23.70	23.51	25	0
5	QPSK	1	12	23.47	23.36	23.43		
5	QPSK	1	24	23.25	23.41	23.32		
5	QPSK	12	0	22.54	22.50	22.42	24	1
5	QPSK	12	7	22.06	22.35	22.20		
5	QPSK	12	13	22.24	22.41	22.29		
5	QPSK	25	0	22.38	22.59	22.35	24	1
5	16QAM	1	0	22.02	22.23	22.22		
5	16QAM	1	12	22.15	22.12	22.20		
5	16QAM	1	24	22.01	22.07	22.16	23	2
5	16QAM	12	0	21.73	21.80	21.69		
5	16QAM	12	7	21.22	21.43	21.25		
5	16QAM	12	13	21.22	21.40	21.27	22	3
5	16QAM	25	0	21.72	21.81	21.69		
5	64QAM	1	0	21.84	21.85	21.78		
5	64QAM	1	12	21.65	21.70	21.48	22	3
5	64QAM	1	24	21.58	21.68	21.64		
5	64QAM	12	0	20.49	20.78	20.70		
5	64QAM	12	7	20.35	20.48	20.41	22	3
5	64QAM	12	13	20.45	20.74	20.64		
5	64QAM	25	0	20.71	20.78	20.65		
Channel				20415	20525	20635		
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	23.56	23.77	23.46	25	0
3	QPSK	1	8	23.33	23.48	23.50		
3	QPSK	1	14	23.31	23.42	23.36		
3	QPSK	8	0	22.47	22.63	22.37	24	1
3	QPSK	8	4	22.11	22.28	22.25		
3	QPSK	8	7	22.23	22.52	22.29		
3	QPSK	15	0	22.36	22.51	22.27	24	1
3	16QAM	1	0	22.12	22.25	22.20		
3	16QAM	1	8	22.09	22.07	22.17		
3	16QAM	1	14	22.08	22.12	22.12	23	2
3	16QAM	8	0	21.59	21.81	21.68		
3	16QAM	8	4	21.33	21.44	21.15		
3	16QAM	8	7	21.27	21.46	21.16	22	3
3	16QAM	15	0	21.65	21.66	21.78		
3	64QAM	1	0	21.79	21.79	21.72		
3	64QAM	1	8	21.73	21.66	21.49	22	3
3	64QAM	1	14	21.57	21.73	21.64		
3	64QAM	8	0	20.50	20.72	20.74		
3	64QAM	8	4	20.37	20.53	20.43	22	3
3	64QAM	8	7	20.49	20.66	20.55		
3	64QAM	15	0	20.72	20.76	20.64		
Channel				20407	20525	20643		
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	23.48	23.63	23.46	25	0
1.4	QPSK	1	3	23.45	23.38	23.39		
1.4	QPSK	1	5	23.28	23.49	23.41		
1.4	QPSK	3	0	23.49	23.79	23.52	24	1
1.4	QPSK	3	1	23.34	23.48	23.35		
1.4	QPSK	3	3	23.28	23.44	23.41		
1.4	QPSK	6	0	22.32	22.55	22.33	24	1
1.4	16QAM	1	0	22.47	22.61	22.44		
1.4	16QAM	1	3	22.44	22.29	22.21		
1.4	16QAM	1	5	22.48	22.60	22.39	23	2
1.4	16QAM	3	0	22.14	22.25	22.15		
1.4	16QAM	3	1	22.29	22.49	22.33		
1.4	16QAM	3	3	22.40	22.56	22.28	23	2
1.4	16QAM	6	0	21.62	21.71	21.74		
1.4	64QAM	1	0	21.67	21.76	21.78		
1.4	64QAM	1	3	21.28	21.45	21.26	23	2
1.4	64QAM	1	5	21.24	21.42	21.30		
1.4	64QAM	3	0	21.69	21.81	21.68		
1.4	64QAM	3	1	21.27	21.36	21.22	22	3
1.4	64QAM	3	3	21.60	21.68	21.78		
1.4	64QAM	6	0	20.72	20.77	20.70		

Band 12 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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	23.56	23.65	23.52	25	0
10	QPSK	1	25	23.38	23.39	23.43		
10	QPSK	1	49	23.38	23.54	23.41		
10	QPSK	25	0	22.50	22.61	22.37	24	1
10	QPSK	25	12	22.10	22.32	22.19		
10	QPSK	25	25	22.23	22.51	22.31		
10	QPSK	50	0	22.31	22.52	22.40	24	1
10	16QAM	1	0	22.03	22.21	22.17		
10	16QAM	1	25	22.07	22.10	22.16		
10	16QAM	1	49	22.02	22.10	22.19	23	2
10	16QAM	25	0	21.74	21.84	21.69		
10	16QAM	25	12	21.28	21.43	21.26		
10	16QAM	25	25	21.14	21.42	21.20	23	2
10	16QAM	50	0	21.61	21.73	21.76		
10	64QAM	1	0	21.84	21.81	21.79		
10	64QAM	1	25	21.80	21.73	21.46	23	2
10	64QAM	1	49	21.54	21.66	21.57		
10	64QAM	25	0	20.55	20.77	20.64		
10	64QAM	25	12	20.41	20.61	20.38	22	3
10	64QAM	25	25	20.53	20.72	20.68		
10	64QAM	50	0	20.92	20.98	20.97		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	23.39	23.51	23.46	25	0
5	QPSK	1	12	23.24	23.27	23.30		
5	QPSK	1	24	23.28	23.42	23.26		
5	QPSK	12	0	22.38	22.54	22.21	24	1
5	QPSK	12	7	22.19	22.28	22.14		
5	QPSK	12	13	22.18	22.41	22.25		
5	QPSK	25	0	22.14	22.44	22.23	24	1
5	16QAM	1	0	22.10	22.27	22.14		
5	16QAM	1	12	22.24	22.28	22.11		
5	16QAM	1	24	22.17	22.21	22.04	23	2
5	16QAM	12	0	21.58	21.77	21.56		
5	16QAM	12	7	21.20	21.38	21.19		
5	16QAM	12	13	21.03	21.34	21.03	23	2
5	16QAM	25	0	21.41	21.67	21.56		
5	64QAM	1	0	21.76	21.75	21.62		
5	64QAM	1	12	21.41	21.56	21.41	23	2
5	64QAM	1	24	21.39	21.49	21.49		
5	64QAM	12	0	20.48	20.61	20.57		
5	64QAM	12	7	20.26	20.48	20.33	22	3
5	64QAM	12	13	20.41	20.61	20.63		
5	64QAM	25	0	20.84	20.83	20.93		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	23.46	23.52	23.39	25	0
3	QPSK	1	8	23.31	23.30	23.30		
3	QPSK	1	14	23.27	23.41	23.27		
3	QPSK	8	0	22.31	22.54	22.19	24	1
3	QPSK	8	4	22.05	22.13	22.03		
3	QPSK	8	7	22.12	22.34	22.03		
3	QPSK	15	0	22.13	22.36	22.21	24	1
3	16QAM	1	0	22.17	22.26	22.09		
3	16QAM	1	8	22.20	22.29	22.05		
3	16QAM	1	14	22.16	22.30	22.00	23	2
3	16QAM	8	0	21.54	21.68	21.50		
3	16QAM	8	4	21.17	21.36	21.22		
3	16QAM	8	7	21.09	21.26	21.15	22	3
3	16QAM	15	0	21.54	21.69	21.42		
3	64QAM	1	0	21.70	21.69	21.70		
3	64QAM	1	8	21.46	21.56	21.39	23	2
3	64QAM	1	14	21.34	21.68	21.46		
3	64QAM	8	0	20.42	20.65	20.55		
3	64QAM	8	4	20.26	20.44	20.22	22	3
3	64QAM	8	7	20.38	20.54	20.59		
3	64QAM	15	0	20.85	20.91	20.83		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	23.19	23.37	23.18	25	0
1.4	QPSK	1	3	23.26	23.15	23.17		
1.4	QPSK	1	5	23.09	23.22	23.20		
1.4	QPSK	3	0	23.31	23.49	23.36	24	1
1.4	QPSK	3	1	23.17	23.19	23.11		
1.4	QPSK	3	3	23.05	23.16	23.25		
1.4	QPSK	6	0	22.15	22.32	22.07	24	1
1.4	16QAM	1	0	22.30	22.44	22.21		
1.4	16QAM	1	3	22.21	22.04	22.04		
1.4	16QAM	1	5	22.22	22.33	22.04	24	1
1.4	16QAM	3	0	22.24	22.09	22.18		
1.4	16QAM	3	1	22.12	22.22	22.04		
1.4	16QAM	3	3	22.10	22.37	22.22	23	2
1.4	16QAM	6	0	21.44	21.45	21.58		
1.4	64QAM	1	0	21.45	21.52	21.61		
1.4	64QAM	1	3	21.09	21.24	21.03	23	2
1.4	64QAM	1	5	21.05	21.13	21.10		
1.4	64QAM	3	0	21.41	21.64	21.51		
1.4	64QAM	3	1	21.04	21.10	21.23	22	3
1.4	64QAM	3	3	21.33	21.48	21.51		
1.4	64QAM	6	0	20.53	20.49	20.51		

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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.74	23.87	23.92	23.87	23.79	25	0
20	QPSK	1	49	23.65	23.59	23.74	23.60	23.67		
20	QPSK	1	99	23.54	23.55	23.68	23.57	23.51		
20	QPSK	50	0	22.71	22.76	22.85	22.77	22.79		
20	QPSK	50	24	22.51	22.47	22.61	22.57	22.55	24	1
20	QPSK	50	50	22.62	22.55	22.67	22.48	22.61		
20	QPSK	100	0	22.69	22.74	22.82	22.62	22.68		
20	16QAM	1	0	22.72	22.78	22.88	22.83	22.83		
20	16QAM	1	49	22.34	22.42	22.48	22.43	22.41	24	1
20	16QAM	1	99	22.51	22.49	22.57	22.49	22.49		
20	16QAM	50	0	21.73	21.70	21.89	21.83	21.72		
20	16QAM	50	24	21.66	21.66	21.77	21.66	21.64		
20	16QAM	50	50	21.50	21.61	21.69	21.59	21.51	23	2
20	16QAM	100	0	21.78	21.68	21.85	21.67	21.74		
20	64QAM	1	0	21.51	21.54	21.63	21.45	21.58		
20	64QAM	1	49	21.23	21.15	21.35	21.29	21.23		
20	64QAM	1	99	21.11	21.16	21.30	21.10	21.21	23	2
20	64QAM	50	0	20.72	20.76	20.92	20.76	20.77		
20	64QAM	50	24	20.82	20.75	20.88	20.74	20.68		
20	64QAM	50	50	20.64	20.52	20.70	20.65	20.63		
20	64QAM	100	0	20.78	20.73	20.83	20.69	20.66	22	3
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.66	23.74	23.79	23.73	23.60	25	0
15	QPSK	1	37	23.55	23.41	23.60	23.46	23.49		
15	QPSK	1	74	23.41	23.43	23.57	23.50	23.43		
15	QPSK	36	0	22.53	22.67	22.74	22.70	22.59		
15	QPSK	36	20	22.42	22.41	22.56	22.44	22.45	24	1
15	QPSK	36	39	22.51	22.38	22.59	22.30	22.52		
15	QPSK	75	0	22.62	22.63	22.63	22.52	22.59		
15	16QAM	1	0	22.58	22.61	22.73	22.66	22.69		
15	16QAM	1	37	22.16	22.28	22.29	22.34	22.31	24	1
15	16QAM	1	74	22.45	22.41	22.46	22.33	22.31		
15	16QAM	36	0	21.54	21.61	21.71	21.79	21.63		
15	16QAM	36	20	21.53	21.53	21.58	21.49	21.57		
15	16QAM	36	39	21.44	21.44	21.62	21.50	21.31	23	2
15	16QAM	75	0	21.69	21.63	21.67	21.57	21.61		
15	64QAM	1	0	21.46	21.38	21.59	21.30	21.46		
15	64QAM	1	37	21.08	21.05	21.29	21.20	21.11		
15	64QAM	1	74	21.03	21.08	21.16	21.23	21.02	23	2
15	64QAM	36	0	20.52	20.60	20.73	20.56	20.69		
15	64QAM	36	20	20.72	20.59	20.68	20.61	20.48		
15	64QAM	36	39	20.57	20.36	20.59	20.56	20.58		
15	64QAM	75	0	20.68	20.59	20.67	20.58	20.51	22	3
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.57	23.72	23.74	23.69	23.66	25.00	0
10	QPSK	1	25	23.49	23.49	23.67	23.45	23.52		
10	QPSK	1	49	23.42	23.41	23.62	23.44	23.35		
10	QPSK	25	0	22.59	22.67	22.77	22.58	22.66		
10	QPSK	25	12	22.32	22.28	22.53	22.43	22.50	24	1
10	QPSK	25	25	22.46	22.37	22.61	22.39	22.47		
10	QPSK	50	0	22.61	22.56	22.63	22.48	22.56		
10	16QAM	1	0	22.65	22.67	22.73	22.71	22.77		
10	16QAM	1	25	22.29	22.32	22.40	22.27	22.34	24	1
10	16QAM	1	49	22.42	22.32	22.51	22.33	22.41		
10	16QAM	25	0	21.60	21.56	21.74	21.63	21.67		
10	16QAM	25	12	21.50	21.53	21.65	21.48	21.51		
10	16QAM	25	25	21.38	21.46	21.79	21.46	21.38	23	2
10	16QAM	50	0	21.63	21.55	21.78	21.62	21.65		
10	64QAM	1	0	21.42	21.38	21.50	21.36	21.45		
10	64QAM	1	25	21.10	21.07	21.17	21.10	21.15		
10	64QAM	1	49	21.10	21.08	21.22	21.06	21.04	23	2
10	64QAM	25	0	20.52	20.57	20.79	20.69	20.61		
10	64QAM	25	12	20.64	20.60	20.70	20.55	20.55		
10	64QAM	25	25	20.51	20.41	20.63	20.56	20.46		
10	64QAM	50	0	20.67	20.65	20.76	20.53	20.58	22	3
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.69	23.67	23.86	23.79	23.73	25.00	0
5	QPSK	1	12	23.49	23.49	23.59	23.46	23.58		
5	QPSK	1	24	23.40	23.37	23.59	23.42	23.38		
5	QPSK	12	0	22.56	22.65	22.74	22.63	22.67		
5	QPSK	12	7	22.46	22.42	22.54	22.39	22.49	24	1
5	QPSK	12	13	22.49	22.51	22.47	22.28	22.50		
5	QPSK	25	0	22.51	22.69	22.74	22.55	22.48		
5	16QAM	1	0	22.54	22.68	22.76	22.65	22.76		
5	16QAM	1	12	22.29	22.27	22.43	22.35	22.36	24	1
5	16QAM	1	24	22.41	22.42	22.41	22.34	22.38		
5	16QAM	12	0	21.63	21.58	21.82	21.74	21.63		
5	16QAM	12	7	21.51	21.48	21.72	21.56	21.54		
5	16QAM	12	13	21.44	21.55	21.56	21.53	21.39	23	2
5	16QAM	25	0	21.68	21.62	21.75	21.55	21.64		
5	64QAM	1	0	21.46	21.46	21.45	21.40	21.51		
5	64QAM	1	12	21.16	21.02	21.30	21.09	21.13		
5	64QAM	1	24	21.10	21.06	21.14	21.04	21.04	23	2
5	64QAM	12	0	20.59	20.60	20.73	20.68	20.66		
5	64QAM	12	7	20.76	20.64	20.80	20.68	20.53		
5	64QAM	12	13	20.51	20.45	20.61	20.46	20.48		
5	64QAM	25	0	20.73	20.63	20.78	20.64	20.58	22	3

Band 42 FCC Part27Q 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				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	23.15	23.34	23.09	25	0
20	QPSK	1	49	23.12	23.21	23.11		
20	QPSK	1	99	23.10	23.14	23.12		
20	QPSK	50	0	22.18	22.26	22.14	24	1
20	QPSK	50	24	22.18	22.13	22.14		
20	QPSK	50	50	22.15	22.19	22.16		
20	QPSK	100	0	22.08	22.28	22.19	24	1
20	16QAM	1	0	22.10	22.25	22.15		
20	16QAM	1	49	22.12	22.23	22.18		
20	16QAM	1	99	22.15	22.17	22.11	23	2
20	16QAM	50	0	21.15	21.26	21.19		
20	16QAM	50	24	21.06	21.22	21.12		
20	16QAM	50	50	21.05	21.23	21.08	23	2
20	16QAM	100	0	21.11	21.31	21.15		
20	64QAM	1	0	21.17	21.20	21.14		
20	64QAM	1	49	21.12	21.23	21.04	23	2
20	64QAM	1	99	21.09	21.24	21.13		
20	64QAM	50	0	20.19	20.29	20.24		
20	64QAM	50	24	20.21	20.31	20.18	22	3
20	64QAM	50	50	20.18	20.26	20.20		
20	64QAM	100	0	20.11	20.28	20.08		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	23.06	23.21	23.05	25	0
15	QPSK	1	37	23.05	23.14	23.07		
15	QPSK	1	74	23.02	23.12	23.07		
15	QPSK	36	0	22.11	22.24	22.12	24	1
15	QPSK	36	20	22.12	22.10	22.12		
15	QPSK	36	39	22.14	22.15	22.09		
15	QPSK	75	0	22.03	22.23	22.11	24	1
15	16QAM	1	0	22.04	22.20	22.13		
15	16QAM	1	37	22.11	22.20	22.14		
15	16QAM	1	74	22.10	22.13	22.06	23	2
15	16QAM	36	0	21.07	21.24	21.12		
15	16QAM	36	20	21.02	21.14	21.04		
15	16QAM	36	39	21.01	21.20	21.06	23	2
15	16QAM	75	0	21.01	21.31	21.09		
15	64QAM	1	0	21.12	21.18	21.10		
15	64QAM	1	37	21.07	21.17	21.01	22	3
15	64QAM	1	74	21.00	21.24	21.07		
15	64QAM	36	0	20.16	20.22	20.21		
15	64QAM	36	20	20.13	20.23	20.16	22	3
15	64QAM	36	39	20.10	20.18	20.14		
15	64QAM	75	0	20.02	20.26	20.03		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	23.10	23.23	23.00	25	0
10	QPSK	1	25	23.04	23.16	23.06		
10	QPSK	1	49	23.03	23.08	23.05		
10	QPSK	25	0	22.17	22.17	22.05	24	1
10	QPSK	25	12	22.11	22.05	22.09		
10	QPSK	25	25	22.12	22.09	22.11		
10	QPSK	50	0	22.07	22.23	22.12	24	1
10	16QAM	1	0	22.07	22.17	22.07		
10	16QAM	1	25	22.11	22.16	22.08		
10	16QAM	1	49	22.10	22.11	22.10	23	2
10	16QAM	25	0	21.07	21.19	21.16		
10	16QAM	25	12	21.04	21.18	21.08		
10	16QAM	25	25	21.00	21.17	21.06	23	2
10	16QAM	50	0	21.09	21.25	21.06		
10	64QAM	1	0	21.09	21.12	21.07		
10	64QAM	1	25	21.03	21.21	21.01	22	3
10	64QAM	1	49	21.00	21.20	21.04		
10	64QAM	25	0	20.11	20.25	20.21		
10	64QAM	25	12	20.13	20.31	20.14	22	3
10	64QAM	25	25	20.10	20.26	20.14		
10	64QAM	50	0	20.04	20.25	20.02		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	23.11	23.22	23.05	25	0
5	QPSK	1	12	23.10	23.17	23.01		
5	QPSK	1	24	23.00	23.09	23.07		
5	QPSK	12	0	22.09	22.26	22.13	24	1
5	QPSK	12	7	22.08	22.09	22.05		
5	QPSK	12	13	22.08	22.15	22.09		
5	QPSK	25	0	22.02	22.20	22.10	24	1
5	16QAM	1	0	22.05	22.24	22.10		
5	16QAM	1	12	22.05	22.15	22.13		
5	16QAM	1	24	22.09	22.07	22.09	23	2
5	16QAM	12	0	21.14	21.23	21.14		
5	16QAM	12	7	21.02	21.16	21.09		
5	16QAM	12	13	21.04	21.19	21.05	23	2
5	16QAM	25	0	21.01	21.21	21.12		
5	64QAM	1	0	21.14	21.14	21.09		
5	64QAM	1	12	21.06	21.17	21.02	22	3
5	64QAM	1	24	21.06	21.20	21.12		
5	64QAM	12	0	20.09	20.19	20.18		
5	64QAM	12	7	20.14	20.26	20.12	22	3
5	64QAM	12	13	20.17	20.22	20.20		
5	64QAM	25	0	20.08	20.22	20.12		

Reduced Power Mode

Band		WCDMA V_Apt1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	21.55	21.69	21.54	22.50
3GPP Rel 6	HSDPA Subtest-1	20.70	20.61	20.52	21.50
3GPP Rel 6	HSDPA Subtest-2	20.71	20.52	20.48	21.50
3GPP Rel 6	HSDPA Subtest-3	20.20	20.28	20.00	21.00
3GPP Rel 6	HSDPA Subtest-4	20.29	20.19	20.10	21.00
3GPP Rel 6	DC-HSDPA Subtest-1	20.73	20.61	20.57	21.50
3GPP Rel 6	DC-HSDPA Subtest-2	20.62	20.67	20.66	21.50
3GPP Rel 6	DC-HSDPA Subtest-3	20.23	20.22	20.07	21.00
3GPP Rel 6	DC-HSDPA Subtest-4	20.12	20.18	20.02	21.00
3GPP Rel 6	HSUPA Subtest-1	20.66	20.58	20.64	21.50
3GPP Rel 6	HSUPA Subtest-2	18.65	18.58	18.58	19.50
3GPP Rel 6	HSUPA Subtest-3	19.70	19.60	19.50	20.50
3GPP Rel 6	HSUPA Subtest-4	18.71	18.78	18.48	19.50
3GPP Rel 6	HSUPA Subtest-5	20.74	20.54	20.62	21.50

Band 41 Ant2 PC3 Sensor on

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	10.31	10.34	10.57	10.33	10.40	11	0
20	QPSK	1	49	10.23	10.40	10.28	10.29	10.28		
20	QPSK	1	99	10.12	10.06	10.15	10.09	10.14		
20	QPSK	50	0	10.41	10.31	10.51	10.47	10.40		
20	QPSK	50	24	10.15	10.13	10.28	10.21	10.11	11	0
20	QPSK	50	50	10.28	10.30	10.31	10.29	10.31		
20	QPSK	100	0	10.27	10.45	10.50	10.35	10.36		
20	16QAM	1	0	10.41	10.35	10.45	10.37	10.35		
20	16QAM	1	49	10.24	10.16	10.21	10.17	10.10	11	0
20	16QAM	1	99	10.16	10.13	10.19	10.19	10.13		
20	16QAM	50	0	10.37	10.32	10.49	10.44	10.40		
20	16QAM	50	24	10.31	10.20	10.38	10.34	10.33		
20	16QAM	50	50	10.23	10.27	10.21	10.32	10.20	11	0
20	16QAM	100	0	10.37	10.38	10.43	10.25	10.28		
20	64QAM	1	0	10.20	10.30	10.28	10.31	10.20		
20	64QAM	1	49	10.05	10.04	10.10	10.14	10.15		
20	64QAM	1	99	10.08	10.04	10.11	10.02	10.05	11	0
20	64QAM	50	0	10.43	10.40	10.39	10.49	10.49		
20	64QAM	50	24	10.35	10.43	10.42	10.30	10.40		
20	64QAM	50	50	10.39	10.32	10.44	10.40	10.32		
20	64QAM	100	0	10.39	10.35	10.40	10.43	10.43	Tune-up limit (dBm)	MPR (dB)
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	10.18	10.18	10.45	10.13	10.26	11	0
15	QPSK	1	37	10.05	10.26	10.08	10.20	10.10		
15	QPSK	1	74	10.07	9.91	10.00	10.01	10.01		
15	QPSK	36	0	10.26	10.22	10.43	10.41	10.35		
15	QPSK	36	20	10.05	10.07	10.09	10.12	10.06	11	0
15	QPSK	36	39	10.17	10.10	10.15	10.13	10.18		
15	QPSK	75	0	10.09	10.35	10.37	10.21	10.21		
15	16QAM	1	0	10.23	10.21	10.33	10.33	10.15		
15	16QAM	1	37	10.13	10.07	10.10	10.02	10.05	11	0
15	16QAM	1	74	10.06	9.96	9.99	10.00	9.99		
15	16QAM	36	0	10.26	10.24	10.40	10.35	10.24		
15	16QAM	36	20	10.22	10.06	10.27	10.29	10.13		
15	16QAM	36	39	10.09	10.11	10.12	10.14	10.05	11	0
15	16QAM	75	0	10.29	10.30	10.36	10.18	10.23		
15	64QAM	1	0	10.13	10.16	10.15	10.18	10.06		
15	64QAM	1	37	9.90	9.87	9.93	10.02	10.09		
15	64QAM	1	74	9.95	9.89	9.93	9.90	9.94	11	0
15	64QAM	36	0	10.36	10.30	10.24	10.44	10.43		
15	64QAM	36	20	10.25	10.35	10.32	10.14	10.35		
15	64QAM	36	39	10.24	10.15	10.31	10.28	10.18		
15	64QAM	75	0	10.33	10.23	10.20	10.28	10.36	Tune-up limit (dBm)	MPR (dB)
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	10.22	10.20	10.48	10.27	10.28	11	0
10	QPSK	1	25	10.15	10.33	10.18	10.17	10.08		
10	QPSK	1	49	10.00	9.94	9.97	9.89	10.03		
10	QPSK	25	0	10.26	10.13	10.46	10.36	10.30		
10	QPSK	25	12	10.01	9.95	10.20	10.03	9.93	11	0
10	QPSK	25	25	10.22	10.23	10.13	10.12	10.21		
10	QPSK	50	0	10.12	10.32	10.37	10.29	10.24		
10	16QAM	1	0	10.34	10.29	10.28	10.28	10.21		
10	16QAM	1	25	10.14	10.06	10.03	10.00	10.02	11	0
10	16QAM	1	49	9.99	9.95	10.08	10.14	9.97		
10	16QAM	25	0	10.23	10.24	10.39	10.26	10.23		
10	16QAM	25	12	10.17	10.07	10.29	10.26	10.26		
10	16QAM	25	25	10.07	10.22	10.04	10.14	10.09	11	0
10	16QAM	50	0	10.28	10.28	10.34	10.13	10.21		
10	64QAM	1	0	10.12	10.21	10.22	10.23	10.04		
10	64QAM	1	25	9.97	9.98	9.94	9.97	10.00		
10	64QAM	1	49	9.91	9.97	9.95	9.94	9.86	11	0
10	64QAM	25	0	10.33	10.22	10.21	10.41	10.37		
10	64QAM	25	12	10.15	10.26	10.26	10.13	10.25		
10	64QAM	25	25	10.20	10.20	10.34	10.36	10.24		
10	64QAM	50	0	10.20	10.28	10.35	10.28	10.32	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	10.26	10.19	10.45	10.23	10.23	11	0
5	QPSK	1	12	10.12	10.30	10.13	10.18	10.13		
5	QPSK	1	24	10.00	9.93	10.10	9.91	10.08		
5	QPSK	12	0	10.34	10.19	10.43	10.37	10.35		
5	QPSK	12	7	9.97	9.99	10.22	10.12	9.97	11	0
5	QPSK	12	13	10.13	10.17	10.19	10.23	10.16		
5	QPSK	25	0	10.08	10.39	10.39	10.27	10.31		
5	16QAM	1	0	10.30	10.26	10.29	10.26	10.25		
5	16QAM	1	12	10.12	10.04	10.09	10.01	9.91	11	0
5	16QAM	1	24	9.98	10.04	10.00	10.08	9.97		
5	16QAM	12	0	10.26	10.24	10.30	10.34	10.29		
5	16QAM	12	7	10.12	10.04	10.22	10.27	10.19		
5	16QAM	12	13	10.15	10.18	10.10	10.13	10.10	11	0
5	16QAM	25	0	10.21	10.26	10.36	10.15	10.22		
5	64QAM	1	0	10.05	10.24	10.17	10.13	10.09		
5	64QAM	1	12	9.90	9.84	10.03	10.08	9.97		
5	64QAM	1	24	9.91	9.96	10.01	9.86	9.99	11	0
5	64QAM	12	0	10.25	10.31	10.24	10.33	10.39		
5	64QAM	12	7	10.22	10.38	10.32	10.12	10.32		
5	64QAM	12	13	10.27	10.20	10.26	10.29	10.22		
5	64QAM	25	0	10.27	10.16	10.31	10.30	10.33	Tune-up limit (dBm)	MPR (dB)
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)

Band 41 Ant2 PC2 For ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	10.23	10.27	10.41	10.15	10.26	11.5	0
20	QPSK	1	49	10.16	10.23	10.19	10.24	10.26		
20	QPSK	1	99	10.02	10.04	10.04	9.92	10.04		
20	QPSK	50	0	10.36	10.31	10.40	10.32	10.24		
20	QPSK	50	24	10.11	10.02	10.05	10.09	10.04	11.5	0
20	QPSK	50	50	10.11	10.06	10.16	10.16	10.06		
20	QPSK	100	0	10.19	10.22	10.38	10.16	10.18		
20	16QAM	1	0	10.33	10.22	10.22	10.32	10.27		
20	16QAM	1	49	10.03	10.04	10.12	9.93	10.02	11.5	0
20	16QAM	1	99	9.95	9.99	10.11	9.97	9.99		
20	16QAM	50	0	10.36	10.21	10.32	10.18	10.34		
20	16QAM	50	24	10.18	10.18	10.28	10.12	10.06		
20	16QAM	50	50	10.11	10.04	10.14	10.14	10.16	11.5	0
20	16QAM	100	0	10.27	10.22	10.29	10.14	10.22		
20	64QAM	1	0	10.03	10.07	10.19	10.07	9.96		
20	64QAM	1	49	10.00	9.93	10.04	9.98	10.03		
20	64QAM	1	99	10.00	9.93	9.92	9.82	9.85	11.5	0
20	64QAM	50	0	10.23	10.33	10.24	10.33	10.37		
20	64QAM	50	24	10.22	10.33	10.33	10.33	10.15		
20	64QAM	50	50	10.27	10.21	10.34	10.26	10.23		
20	64QAM	100	0	10.25	10.22	10.33	10.36	10.23	Tune-up limit (dBm)	MPR (dB)
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	10.07	10.23	10.32	10.08	10.11		
15	QPSK	1	37	10.09	10.14	10.18	10.16	10.04	11.5	0
15	QPSK	1	74	9.84	9.88	9.87	9.84	9.86		
15	QPSK	36	0	10.18	10.14	10.30	10.17	10.24		
15	QPSK	36	20	9.90	9.97	10.02	9.90	9.99		
15	QPSK	36	39	10.00	9.95	10.01	10.08	9.96	11.5	0
15	QPSK	75	0	10.18	10.13	10.31	10.18	10.18		
15	16QAM	1	0	10.29	10.21	10.10	10.25	10.17		
15	16QAM	1	37	10.00	9.97	9.93	9.87	9.93		
15	16QAM	1	74	9.92	10.00	9.94	9.93	9.92	11.5	0
15	16QAM	36	0	10.26	10.18	10.25	10.13	10.18		
15	16QAM	36	20	9.99	10.04	10.15	10.09	9.98		
15	16QAM	36	39	9.95	10.03	10.10	9.99	9.99		
15	16QAM	75	0	10.20	10.13	10.20	10.13	10.09	11.5	0
15	64QAM	1	0	9.96	9.99	10.06	10.01	9.96		
15	64QAM	1	37	9.92	9.91	9.92	10.00	9.89		
15	64QAM	1	74	9.85	9.88	9.89	9.83	9.84		
15	64QAM	36	0	10.23	10.29	10.17	10.18	10.14	11.5	0
15	64QAM	36	20	10.17	10.24	10.27	10.09	10.16		
15	64QAM	36	39	10.18	10.15	10.24	10.09	10.09		
15	64QAM	75	0	10.14	10.09	10.25	10.23	10.25		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	10.13	10.12	10.31	10.14	10.23	11.5	0
10	QPSK	1	25	9.98	10.03	10.09	10.10	10.08		
10	QPSK	1	49	9.92	9.89	9.93	9.90	9.91		
10	QPSK	25	0	10.17	10.21	10.29	10.27	10.17		
10	QPSK	25	12	9.89	9.96	10.02	10.01	10.01	11.5	0
10	QPSK	25	25	10.03	9.96	10.04	10.01	10.01		
10	QPSK	50	0	10.05	10.11	10.28	10.16	10.03		
10	16QAM	1	0	10.18	10.17	10.15	10.16	10.20		
10	16QAM	1	25	10.01	9.89	9.99	9.85	9.96	11.5	0
10	16QAM	1	49	9.84	9.97	10.02	9.96	9.90		
10	16QAM	25	0	10.16	10.20	10.18	10.13	10.09		
10	16QAM	25	12	10.09	10.11	10.14	10.04	10.10		
10	16QAM	25	25	10.10	10.01	10.03	10.08	10.10	11.5	0
10	16QAM	50	0	10.11	10.12	10.18	10.08	10.04		
10	64QAM	1	0	9.95	10.03	10.06	9.96	10.00		
10	64QAM	1	25	9.83	9.89	9.92	9.90	9.96		
10	64QAM	1	49	9.89	9.82	9.82	9.76	9.74	11.5	0
10	64QAM	25	0	10.13	10.26	10.22	10.27	10.20		
10	64QAM	25	12	10.17	10.19	10.23	10.22	10.12		
10	64QAM	25	25	10.24	10.15	10.21	10.16	10.09		
10	64QAM	50	0	10.08	10.14	10.20	10.13	10.11	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	10.11	10.14	10.29	10.11	10.16		
5	QPSK	1	12	10.08	10.14	10.19	10.14	10.04	11.5	0
5	QPSK	1	24	9.92	9.95	9.84	9.88	9.95		
5	QPSK	12	0	10.25	10.09	10.27	10.22	10.09		
5	QPSK	12	7	9.92	9.95	10.09	9.95	9.87	11.5	0
5	QPSK	12	13	10.07	10.05	10.16	10.02	10.07		
5	QPSK	25	0	10.05	10.14	10.27	10.14	10.17		
5	16QAM	1	0	10.26	10.17	10.24	10.19	10.12		
5	16QAM	1	12	9.88	9.95	10.02	9.93	9.82	11.5	0
5	16QAM	1	24	9.92	9.96	9.88	9.98	9.96		
5	16QAM	12	0	10.14	10.20	10.25	10.10	10.15		
5	16QAM	12	7	10.09	10.00	10.12	10.13	10.08		
5	16QAM	12	13	10.03	10.04	10.02	10.11	9.98	11.5	0
5	16QAM	25	0	10.13	10.13	10.15	10.16	10.07		
5	64QAM	1	0	10.01	10.07	9.97	9.99	9.90		
5	64QAM	1	12	9.93	9.82	9.99	9.96	9.91		
5	64QAM	1	24	9.88	9.86	9.95	9.83	9.75	11.5	0
5	64QAM	12	0	10.25	10.16	10.16	10.24	10.18		
5	64QAM	12	7	10.17	10.10	10.26	10.12	10.07		
5	64QAM	12	13	10.20	10.23	10.21	10.18	10.13		
5	64QAM	25	0	10.18	10.04	10.18	10.15	10.25	Tune-up limit (dBm)	MPR (dB)

Band 41 Ant2 PC3 For ENDC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	8.96	8.90	9.14	8.87	9.00	9.5	0
20	QPSK	1	49	8.81	8.92	8.97	8.87	8.99		
20	QPSK	1	99	8.72	8.68	8.72	8.68	8.78		
20	QPSK	50	0	9.08	9.03	9.13	8.95	8.94		
20	QPSK	50	24	8.79	8.77	8.73	8.81	8.68	9.5	0
20	QPSK	50	50	8.82	8.77	8.84	8.80	8.73		
20	QPSK	100	0	8.82	8.99	9.10	8.89	8.87		
20	16QAM	1	0	9.03	8.96	8.94	9.08	8.94		
20	16QAM	1	49	8.74	8.77	8.75	8.62	8.77	9.5	0
20	16QAM	1	99	8.70	8.62	8.85	8.70	8.69		
20	16QAM	50	0	9.03	8.87	9.00	8.89	8.96		
20	16QAM	50	24	8.86	8.82	8.97	8.88	8.68		
20	16QAM	50	50	8.79	8.79	8.77	8.89	8.88	9.5	0
20	16QAM	100	0	8.86	8.89	9.03	8.88	8.94		
20	64QAM	1	0	8.67	8.83	8.87	8.80	8.73		
20	64QAM	1	49	8.65	8.57	8.74	8.70	8.66		
20	64QAM	1	99	8.74	8.71	8.70	8.55	8.49	9.5	0
20	64QAM	50	0	8.96	9.05	8.95	9.04	9.06		
20	64QAM	50	24	8.87	8.99	9.07	9.02	8.83		
20	64QAM	50	50	8.95	8.94	8.99	8.93	8.87		
20	64QAM	100	0	9.00	8.94	9.02	9.02	8.96	Tune-up limit (dbm)	MPR (db)
Channel				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				39725	40173	40620	41068	41515		
15	QPSK	1	0	8.84	8.74	9.08	8.81	8.87	9.5	0
15	QPSK	1	37	8.73	8.78	9.03	8.80	8.86		
15	QPSK	1	74	8.66	8.58	8.61	8.61	8.70		
15	QPSK	36	0	9.02	8.95	9.07	8.85	8.75		
15	QPSK	36	20	8.71	8.69	8.55	8.75	8.54	9.5	0
15	QPSK	36	39	8.77	8.58	8.71	8.62	8.54		
15	QPSK	75	0	8.71	8.89	9.04	8.71	8.76		
15	16QAM	1	0	8.91	8.91	8.86	8.91	8.75		
15	16QAM	1	37	8.59	8.57	8.57	8.47	8.72	9.5	0
15	16QAM	1	74	8.59	8.44	8.66	8.57	8.59		
15	16QAM	36	0	8.91	8.73	8.98	8.72	8.88		
15	16QAM	36	20	8.68	8.65	8.79	8.82	8.63		
15	16QAM	36	39	8.63	8.61	8.60	8.60	8.70	9.5	0
15	16QAM	75	0	8.82	8.74	8.91	8.69	8.87		
15	64QAM	1	0	8.52	8.71	8.79	8.71	8.54		
15	64QAM	1	37	8.55	8.41	8.59	8.59	8.60		
15	64QAM	1	74	8.64	8.61	8.52	8.50	8.44	9.5	0
15	64QAM	36	0	8.89	8.96	8.86	8.87	8.92		
15	64QAM	36	20	8.72	8.83	9.00	8.87	8.67		
15	64QAM	36	39	8.87	8.78	8.81	8.86	8.76		
15	64QAM	75	0	8.87	8.84	8.94	8.92	8.83	Tune-up limit (dbm)	MPR (db)
Channel				39700	40160	40620	41080	41540	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	8.88	8.77	9.06	8.79	8.87	9.5	0
10	QPSK	1	25	8.72	8.80	8.90	8.68	8.86		
10	QPSK	1	49	8.56	8.53	8.59	8.54	8.58		
10	QPSK	25	0	8.90	8.97	9.05	8.89	8.79		
10	QPSK	25	12	8.69	8.72	8.55	8.75	8.55	9.5	0
10	QPSK	25	25	8.72	8.64	8.78	8.63	8.68		
10	QPSK	50	0	8.63	8.80	8.93	8.81	8.78		
10	16QAM	1	0	8.97	8.89	8.83	8.98	8.88		
10	16QAM	1	25	8.66	8.61	8.65	8.51	8.65	9.5	0
10	16QAM	1	49	8.60	8.44	8.66	8.51	8.50		
10	16QAM	25	0	8.91	8.74	8.89	8.71	8.79		
10	16QAM	25	12	8.77	8.72	8.84	8.79	8.50		
10	16QAM	25	25	8.62	8.60	8.68	8.76	8.68	9.5	0
10	16QAM	50	0	8.82	8.84	8.88	8.71	8.99		
10	64QAM	1	0	8.55	8.74	8.71	8.71	8.82		
10	64QAM	1	25	8.51	8.46	8.57	8.51	8.54		
10	64QAM	1	49	8.55	8.61	8.64	8.46	8.33	9.5	0
10	64QAM	25	0	8.76	8.95	8.89	8.92	8.86		
10	64QAM	25	12	8.82	8.88	8.94	8.97	8.70		
10	64QAM	25	25	8.82	8.79	8.80	8.79	8.78		
10	64QAM	50	0	8.80	8.85	8.88	8.97	8.91	Tune-up limit (dbm)	MPR (db)
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	8.84	8.81	9.06	8.73	8.85	9.5	0
5	QPSK	1	12	8.64	8.76	8.66	8.69	8.94		
5	QPSK	1	24	8.61	8.60	8.56	8.51	8.62		
5	QPSK	12	0	8.91	8.84	9.00	8.77	8.76		
5	QPSK	12	7	8.67	8.68	8.60	8.71	8.59	9.5	0
5	QPSK	12	13	8.64	8.67	8.77	8.65	8.62		
5	QPSK	25	0	8.67	8.85	8.91	8.75	8.76		
5	16QAM	1	0	8.96	8.88	8.81	8.91	8.77		
5	16QAM	1	12	8.65	8.71	8.70	8.43	8.70	9.5	0
5	16QAM	1	24	8.53	8.55	8.76	8.54	8.51		
5	16QAM	12	0	8.89	8.68	8.93	8.69	8.83		
5	16QAM	12	7	8.76	8.73	8.85	8.79	8.58		
5	16QAM	12	13	8.61	8.62	8.68	8.69	8.77	9.5	0
5	16QAM	25	0	8.84	8.76	8.96	8.71	8.86		
5	64QAM	1	0	8.52	8.75	8.75	8.57	8.57		
5	64QAM	1	12	8.59	8.44	8.65	8.54	8.59		
5	64QAM	1	24	8.59	8.66	8.57	8.39	8.36	9.5	0
5	64QAM	12	0	8.83	8.93	8.80	8.98	8.88		
5	64QAM	12	7	8.72	8.84	9.01	8.91	8.63		
5	64QAM	12	13	8.81	8.80	8.80	8.73	8.70		
5	64QAM	25	0	8.80	8.89	8.97	8.84	8.76	Tune-up limit (dbm)	MPR (db)

Band 5 Ant1 Sensor on

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600	21.5	0
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	20.16	20.33	20.23		
10	QPSK	1	25	20.17	20.20	20.07	21.5	0
10	QPSK	1	49	20.17	20.21	20.11		
10	QPSK	25	0	20.10	20.26	20.10		
10	QPSK	25	12	19.97	20.17	20.07	21.5	0
10	QPSK	25	25	20.11	20.16	20.09		
10	QPSK	50	0	20.00	20.24	20.05		
10	16QAM	1	0	20.07	20.23	20.13	21.5	0
10	16QAM	1	25	20.00	20.18	20.10		
10	16QAM	1	49	19.94	20.14	20.09		
10	16QAM	25	0	20.07	20.17	20.11	21.5	0
10	16QAM	25	12	20.05	20.14	20.04		
10	16QAM	25	25	20.10	20.15	19.95		
10	16QAM	50	0	20.08	20.17	20.02	21.5	0
10	64QAM	1	0	19.90	20.09	19.96		
10	64QAM	1	25	19.90	20.03	19.86		
10	64QAM	1	49	20.02	20.08	19.93	21.5	0
10	64QAM	25	0	20.00	20.19	20.07		
10	64QAM	25	12	19.93	20.11	19.98		
10	64QAM	25	25	20.03	20.14	20.08	21.5	0
10	64QAM	50	0	20.03	20.16	20.08		
Channel				20425	20525	20625	21.5	0
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	20.12	20.23	20.10		
5	QPSK	1	12	20.18	20.17	20.07	21.5	0
5	QPSK	1	24	20.20	20.26	20.05		
5	QPSK	12	0	20.08	20.17	20.12		
5	QPSK	12	7	19.85	20.17	19.96	21.5	0
5	QPSK	12	13	20.12	20.39	20.07		
5	QPSK	25	0	19.89	20.12	19.94		
5	16QAM	1	0	20.07	20.18	20.14	21.5	0
5	16QAM	1	12	19.88	20.09	20.13		
5	16QAM	1	24	19.83	20.05	20.01		
5	16QAM	12	0	20.05	20.18	20.11	21.5	0
5	16QAM	12	7	20.00	20.04	19.96		
5	16QAM	12	13	20.00	20.11	19.82		
5	16QAM	25	0	19.95	20.07	19.98	21.5	0
5	64QAM	1	0	19.87	20.10	19.94		
5	64QAM	1	12	19.84	20.04	19.79		
5	64QAM	1	24	19.99	20.00	19.90	21.5	0
5	64QAM	12	0	19.90	20.10	20.01		
5	64QAM	12	7	19.95	20.08	19.97		
5	64QAM	12	13	20.03	20.13	20.09	21.5	0
5	64QAM	25	0	20.05	20.09	20.02		
Channel				20415	20525	20635	21.5	0
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	20.17	20.20	20.25		
3	QPSK	1	8	20.16	20.23	20.02	21.5	0
3	QPSK	1	14	20.11	20.15	20.02		
3	QPSK	8	0	20.06	20.21	20.10		
3	QPSK	8	4	20.00	20.15	19.99	21.5	0
3	QPSK	8	7	20.08	20.15	20.03		
3	QPSK	15	0	19.91	20.01	20.04		
3	16QAM	1	0	20.03	20.23	20.13	21.5	0
3	16QAM	1	8	20.00	20.08	20.01		
3	16QAM	1	14	19.83	20.09	20.08		
3	16QAM	8	0	20.05	20.09	19.99	21.5	0
3	16QAM	8	4	19.94	20.08	20.01		
3	16QAM	8	7	20.12	20.12	19.84		
3	16QAM	15	0	19.98	20.11	20.00	21.5	0
3	64QAM	1	0	19.80	20.05	19.95		
3	64QAM	1	8	19.90	19.97	19.84		
3	64QAM	1	14	20.00	20.09	19.85	21.5	0
3	64QAM	8	0	20.01	20.18	20.01		
3	64QAM	8	4	19.94	20.11	19.90		
3	64QAM	8	7	19.98	20.04	19.96	21.5	0
3	64QAM	15	0	20.04	20.05	20.07		
Channel				20407	20525	20643	21.5	0
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	20.13	20.24	20.12		
1.4	QPSK	1	3	20.14	20.16	20.05	21.5	0
1.4	QPSK	1	5	20.12	20.11	20.03		
1.4	QPSK	3	0	20.06	20.10	20.00		
1.4	QPSK	3	1	19.95	20.12	19.97	21.5	0
1.4	QPSK	3	3	20.07	20.05	20.01		
1.4	QPSK	6	0	19.95	20.13	19.96		
1.4	16QAM	1	0	20.01	20.24	20.12	21.5	0
1.4	16QAM	1	3	19.88	20.14	20.13		
1.4	16QAM	1	5	19.96	20.16	20.07		
1.4	16QAM	3	0	20.05	20.06	20.04	21.5	0
1.4	16QAM	3	1	20.01	20.13	19.95		
1.4	16QAM	3	3	20.08	20.09	19.85		
1.4	16QAM	6	0	20.07	20.12	20.01	21.5	0
1.4	16QAM	1	0	19.84	19.96	19.84		
1.4	64QAM	1	3	19.79	19.96	19.75		
1.4	64QAM	1	5	19.98	20.03	19.94	21.5	0
1.4	64QAM	3	0	19.89	20.15	20.07		
1.4	64QAM	3	1	19.82	19.99	19.91		
1.4	64QAM	3	3	19.99	20.16	19.95	21.5	0
1.4	64QAM	6	0	19.91	20.08	20.04		

Band 12 Ant1 Sensor on

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130	24	0
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.70	22.99	22.83		
10	QPSK	1	25	22.67	22.67	22.57	24	0
10	QPSK	1	49	22.47	22.63	22.38		
10	QPSK	25	0	22.83	22.88	22.86		
10	QPSK	25	12	22.66	22.71	22.60	24	0
10	QPSK	25	25	22.72	22.87	22.68		
10	QPSK	50	0	22.78	22.91	22.64		
10	16QAM	1	0	22.63	22.72	22.75	24	0
10	16QAM	1	25	22.60	22.72	22.61		
10	16QAM	1	49	22.46	22.56	22.60		
10	16QAM	25	0	21.85	21.90	21.82	23	1
10	16QAM	25	12	21.65	21.69	21.72		
10	16QAM	25	25	21.66	21.65	21.59		
10	16QAM	50	0	21.76	21.87	21.93	23	1
10	64QAM	1	0	21.74	22.00	21.96		
10	64QAM	1	25	21.45	21.66	21.49		
10	64QAM	1	49	21.51	21.75	21.66	22	2
10	64QAM	25	0	20.92	21.02	20.89		
10	64QAM	25	12	20.73	20.74	20.79		
10	64QAM	25	25	20.68	20.64	20.51	24	0
10	64QAM	50	0	20.85	20.99	20.89		
Channel				23035	23095	23155	24	0
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	22.65	22.89	22.68		
5	QPSK	1	12	22.58	22.52	22.47	24	0
5	QPSK	1	24	22.31	22.51	22.41		
5	QPSK	12	0	22.75	22.78	22.74		
5	QPSK	12	7	22.48	22.70	22.57	24	0
5	QPSK	12	13	22.72	22.71	22.64		
5	QPSK	25	0	22.72	22.74	22.63		
5	16QAM	1	0	22.57	22.57	22.61	24	0
5	16QAM	1	12	22.40	22.65	22.49		
5	16QAM	1	24	22.31	22.40	22.38		
5	16QAM	12	0	21.73	21.88	21.78	23	1
5	16QAM	12	7	21.63	21.59	21.53		
5	16QAM	12	13	21.53	21.62	21.47		
5	16QAM	25	0	21.74	21.88	21.82	23	1
5	64QAM	1	0	21.75	21.83	21.89		
5	64QAM	1	12	21.42	21.53	21.35		
5	64QAM	1	24	21.41	21.55	21.63	22	2
5	64QAM	12	0	20.78	20.85	20.76		
5	64QAM	12	7	20.51	20.71	20.61		
5	64QAM	12	13	20.42	20.61	20.44	24	0
5	64QAM	25	0	20.75	20.91	20.82		
Channel				23025	23095	23165	24	0
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	22.62	22.87	22.64		
3	QPSK	1	8	22.54	22.51	22.40	24	0
3	QPSK	1	14	22.39	22.49	22.36		
3	QPSK	8	0	22.80	22.81	22.79		
3	QPSK	8	4	22.59	22.64	22.48	24	0
3	QPSK	8	7	22.59	22.65	22.61		
3	QPSK	15	0	22.71	22.80	22.66		
3	16QAM	1	0	22.49	22.64	22.57	24	0
3	16QAM	1	8	22.44	22.64	22.48		
3	16QAM	1	14	22.26	22.53	22.42		
3	16QAM	8	0	21.80	21.82	21.63	23	1
3	16QAM	8	4	21.63	21.72	21.58		
3	16QAM	8	7	21.57	21.62	21.51		
3	16QAM	15	0	21.75	21.82	21.70	23	1
3	64QAM	1	0	21.79	21.78	21.76		
3	64QAM	1	8	21.46	21.53	21.39		
3	64QAM	1	14	21.50	21.63	21.54	22	2
3	64QAM	8	0	20.80	20.79	20.64		
3	64QAM	8	4	20.55	20.70	20.67		
3	64QAM	8	7	20.48	20.61	20.43	24	0
3	64QAM	15	0	20.67	20.85	20.81		
Channel				23017	23095	23173	24	0
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	22.60	22.78	22.58		
1.4	QPSK	1	3	22.43	22.43	22.27	24	0
1.4	QPSK	1	5	22.24	22.36	22.18		
1.4	QPSK	3	0	22.24	22.81	22.65		
1.4	QPSK	3	1	22.34	22.65	22.40	24	0
1.4	QPSK	3	3	22.66	22.67	22.52		
1.4	QPSK	6	0	22.50	22.60	22.56		
1.4	16QAM	1	0	22.37	22.50	22.46	24	0
1.4	16QAM	1	3	22.39	22.44	22.30		
1.4	16QAM	1	5	22.36	22.25	22.41		
1.4	16QAM	3	0	22.62	22.69	22.58	24	0
1.4	16QAM	3	1	22.89	22.70	22.67		
1.4	16QAM	3	3	22.36	22.63	22.35		
1.4	16QAM	6	0	21.45	21.70	21.70	23	1
1.4	64QAM	1	0	21.62	21.65	21.75		
1.4	64QAM	1	3	21.40	21.49	21.24		
1.4	64QAM	1	5	21.46	21.57	21.49	23	1
1.4	64QAM	3	0	21.29	21.36	21.38		
1.4	64QAM	3	1	21.20	21.43	21.28		
1.4	64QAM	3	3	21.38	21.54	21.58	22	2
1.4	64QAM	6	0	20.59	20.74	20.66		

Band 42 FCC Part27Q Ant3 Sensor on

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	14.22	14.35	14.22	15	0
20	QPSK	1	49	14.09	14.16	14.14		
20	QPSK	1	99	14.05	14.09	14.00		
20	QPSK	50	0	14.22	14.31	14.07	15	0
20	QPSK	50	24	14.06	14.15	14.10		
20	QPSK	50	50	14.04	14.20	14.10		
20	QPSK	100	0	14.09	14.30	14.17	15	0
20	16QAM	1	0	14.06	14.23	14.14		
20	16QAM	1	49	14.03	14.14	14.03		
20	16QAM	1	99	13.96	14.03	13.97	15	0
20	16QAM	50	0	14.11	14.25	14.22		
20	16QAM	50	24	14.03	14.09	14.00		
20	16QAM	50	50	13.88	14.02	13.87	15	0
20	16QAM	100	0	14.09	14.26	14.17		
20	64QAM	1	0	13.90	13.95	13.88		
20	64QAM	1	49	14.04	14.11	14.03	15	0
20	64QAM	1	99	14.11	14.20	14.05		
20	64QAM	50	0	14.12	14.23	14.09		
20	64QAM	50	24	13.99	14.12	13.94	15	0
20	64QAM	50	50	13.93	14.06	13.90		
20	64QAM	100	0	14.12	14.26	14.19		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	14.12	14.26	14.16	15	0
15	QPSK	1	37	13.97	14.11	14.01		
15	QPSK	1	74	14.00	13.96	13.93		
15	QPSK	36	0	14.06	14.26	14.01	15	0
15	QPSK	36	20	14.03	13.99	13.97		
15	QPSK	36	39	13.87	14.05	13.98		
15	QPSK	75	0	14.04	14.13	14.10	15	0
15	16QAM	1	0	14.02	14.08	14.03		
15	16QAM	1	37	13.98	14.08	13.87		
15	16QAM	1	74	13.87	13.98	13.82	15	0
15	16QAM	36	0	13.99	14.20	14.09		
15	16QAM	36	20	13.91	14.04	13.84		
15	16QAM	36	39	13.73	13.92	13.80	15	0
15	16QAM	75	0	14.05	14.18	14.14		
15	64QAM	1	0	13.79	13.84	13.73		
15	64QAM	1	37	13.98	13.98	13.86	15	0
15	64QAM	1	74	14.01	14.15	13.93		
15	64QAM	36	0	13.96	14.17	13.97		
15	64QAM	36	20	13.89	13.97	13.87	15	0
15	64QAM	36	39	13.88	14.01	13.82		
15	64QAM	75	0	13.95	14.15	14.08		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	14.13	14.25	14.13	15	0
10	QPSK	1	25	14.06	14.08	13.98		
10	QPSK	1	49	14.03	14.02	13.94		
10	QPSK	25	0	14.14	14.14	14.01	15	0
10	QPSK	25	12	14.03	14.11	13.95		
10	QPSK	25	25	13.95	14.09	14.07		
10	QPSK	50	0	14.03	14.17	14.02	15	0
10	16QAM	1	0	13.90	14.09	14.11		
10	16QAM	1	25	13.96	14.04	13.99		
10	16QAM	1	49	13.92	13.96	13.93	15	0
10	16QAM	25	0	13.93	14.15	14.12		
10	16QAM	25	12	13.89	14.07	13.84		
10	16QAM	25	25	13.86	13.93	13.79	15	0
10	16QAM	50	0	14.06	14.17	14.03		
10	64QAM	1	0	13.78	13.92	13.79		
10	64QAM	1	25	13.88	13.98	13.92	15	0
10	64QAM	1	49	14.03	14.11	13.97		
10	64QAM	25	0	14.04	14.08	13.96		
10	64QAM	25	12	13.85	14.08	13.85	15	0
10	64QAM	25	25	13.75	14.00	13.75		
10	64QAM	50	0	13.97	14.24	14.14		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	14.14	14.27	14.07	15	0
5	QPSK	1	12	13.94	14.03	14.00		
5	QPSK	1	24	14.02	14.05	13.89		
5	QPSK	12	0	14.07	14.15	14.03	15	0
5	QPSK	12	7	13.99	14.07	14.07		
5	QPSK	12	13	13.92	14.15	14.06		
5	QPSK	25	0	14.05	14.27	14.01	15	0
5	16QAM	1	0	13.96	14.09	13.97		
5	16QAM	1	12	14.00	14.08	13.93		
5	16QAM	1	24	13.90	13.94	13.86	15	0
5	16QAM	12	0	14.08	14.22	14.13		
5	16QAM	12	7	13.88	13.99	13.90		
5	16QAM	12	13	13.81	13.88	13.83	15	0
5	16QAM	25	0	13.95	14.16	14.00		
5	64QAM	1	0	13.87	13.91	13.74		
5	64QAM	1	12	14.01	13.94	13.93	15	0
5	64QAM	1	24	14.06	14.05	14.02		
5	64QAM	12	0	13.94	14.20	13.99		
5	64QAM	12	7	13.97	14.05	13.90	15	0
5	64QAM	12	13	13.91	13.90	13.73		
5	64QAM	25	0	13.98	14.23	14.11		

DL CA Power

2CA DL

CA List	PCC								SCC				Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
	Band	Ant	(MHz)	Freq.	Channel		RB	RB	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
				(MHz)			Offset	Offset			(MHz)		(dBm)	(dBm)
CA_41A-42	Band 41	Ant2	20M	2593	40620	QPSK	1	0	Band 42	20M	3500	42590	23.88	23.92
	Band 42	Ant3	20M	3500	42590	QPSK	1	0	Band 41	20M	2593	40620	23.30	23.34

3CA DL

3CA List	PCC								SCC1				SCC2				Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
	Band	Ant	(MHz)	Freq.	Channel		RB	RB	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
				(MHz)			Offset	Offset			(MHz)				(MHz)		(dBm)	(dBm)
CA_41A-42	Band 41	Ant2	20M	2593	40620	QPSK	1	0	Band 42	20M	3500	42590	Band 42	20M	3519.8	42788	23.90	23.92
	Band 42	Ant3	20M	3500	42590	QPSK	1	0	Band 42	20M	3520	42788	Band 41	20M	2593	40620	23.26	23.34
CA_41C-42	Band 41	Ant2	20M	2593	40620	QPSK	1	0	Band 41	20M	2613	40818	Band 42	20M	3500	42590	23.79	23.92
	Band 42	Ant3	20M	3500	42590	QPSK	1	0	Band 41	20M	2593	40620	Band 41	20M	2612.8	40818	23.24	23.34

4CA DL

Configure	PCC								SCC1				SCC2				SCC3				Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
	Band	Ant	(MHz)	Freq.	Channel		RB	RB	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
				(MHz)			Offset	Offset			(MHz)				(MHz)				(MHz)		(dBm)	(dBm)
CA_41C-42	Band 41	Ant2	20M	2593	40620	QPSK	1	0	Band 41	20M	2613	40818	Band 42	20M	3500	42590	Band 42	20M	3519.8	42788	23.84	23.92
	Band 42	Ant3	20M	3500	42590	QPSK	1	0	Band 42	20M	3520	42788	Band 41	20M	2593	40620	Band 41	20M	2612.8	40818	23.29	23.34

Full Power for 5GNR

n41 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				502200	518598	534996	25.0	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	23.40	23.37	23.32	25.0	0.0
30	PI/2 BPSK	1	39	23.14	23.38	23.20		
30	PI/2 BPSK	1	76	23.33	23.42	23.28		
30	PI/2 BPSK	36	0	23.25	23.39	23.23		
30	PI/2 BPSK	36	18	23.21	23.28	23.22	25.0	0.0
30	PI/2 BPSK	36	39	23.24	23.24	23.15		
30	PI/2 BPSK	75	0	23.32	23.42	23.26		
30	QPSK	1	1	23.34	23.45	23.42		
30	QPSK	1	39	23.35	23.38	23.28	25.0	0.0
30	QPSK	1	76	23.26	23.35	23.25		
30	QPSK	36	0	23.20	23.42	23.21		
30	QPSK	36	18	23.15	23.49	23.13		
30	QPSK	36	39	23.18	23.35	23.18	25.0	0.0
30	QPSK	75	0	23.27	23.43	23.37		
30	16QAM	36	18	23.32	23.40	23.33		
30	64QAM	36	18	21.74	21.89	21.78		
30	256QAM	36	18	19.76	19.87	19.81	21.5	3.5



Part27O n77 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				650000	656000	662000	24.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.34	22.45	22.39		
100	PI/2 BPSK	1	137	22.35	22.42	22.30	24.0	0.0
100	PI/2 BPSK	1	271	22.23	22.44	22.34		
100	PI/2 BPSK	135	0	22.37	22.34	22.23		
100	PI/2 BPSK	135	69	22.19	22.25	22.20	24.0	0.0
100	PI/2 BPSK	135	138	22.13	22.17	22.14	24.0	0.0
100	PI/2 BPSK	270	0	22.33	22.40	22.27		
100	QPSK	1	1	22.39	22.57	22.39		
100	QPSK	1	137	22.20	22.40	22.22	24.0	0.0
100	QPSK	1	271	22.31	22.41	22.25		
100	QPSK	135	0	22.39	22.37	22.37		
100	QPSK	135	69	22.26	22.62	22.28	24.0	0.0
100	QPSK	135	138	22.20	22.39	22.32	24.0	0.0
100	QPSK	270	0	22.31	22.58	22.36		
100	16QAM	1	1	22.34	22.42	22.27	24.0	0.0
100	64QAM	1	1	20.92	20.98	20.87	22.5	1.5
100	256QAM	1	1	18.67	18.70	18.64	20.5	3.5
Channel				648000	656000	664000	24.0	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.26	22.38	22.26		
Channel				647334	656000	664668	24.0	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.32	22.32	22.33		

Part27Q n77 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				633334			24.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.31				
100	PI/2 BPSK	1	137	22.30				
100	PI/2 BPSK	1	271	22.24			24.0	0.0
100	PI/2 BPSK	135	0	22.31				
100	PI/2 BPSK	135	69	22.20				
100	PI/2 BPSK	135	138	22.24			24.0	0.0
100	PI/2 BPSK	270	0	22.37			24.0	0.0
100	QPSK	1	1	22.59				
100	QPSK	1	137	22.26				
100	QPSK	1	271	22.29				
100	QPSK	135	0	22.29			24.0	0.0
100	QPSK	135	69	22.62			24.0	0.0
100	QPSK	135	138	22.27			24.0	0.0
100	QPSK	270	0	22.52				
100	16QAM	1	1	22.35			24.0	0.0
100	64QAM	1	1	20.84			22.5	1.5
100	256QAM	1	1	18.66			20.5	3.5
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	24.0	0.0
40	QPSK	1	1	22.12	22.17	22.14		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	24.0	0.0
20	QPSK	1	1	22.13	22.12	22.14		



Part27O n78 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				650000			24.0	0.0
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	22.36				
100	PI/2 BPSK	1	137	22.38				
100	PI/2 BPSK	1	271	22.28				
100	PI/2 BPSK	135	0	22.47			24.0	0.0
100	PI/2 BPSK	135	69	22.37			24.0	0.0
100	PI/2 BPSK	135	138	22.25			24.0	0.0
100	PI/2 BPSK	270	0	22.39				
100	QPSK	1	1	22.51			24.0	0.0
100	QPSK	1	137	22.49				
100	QPSK	1	271	22.29				
100	QPSK	135	0	22.48			24.0	0.0
100	QPSK	135	69	22.53			24.0	0.0
100	QPSK	135	138	22.44			24.0	0.0
100	QPSK	270	0	22.50				
100	16QAM	1	1	22.45			24.0	0.0
100	64QAM	1	1	20.99			22.5	1.5
100	256QAM	1	1	18.85			20.5	3.5
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	24.0	0.0
40	QPSK	1	1	22.24	22.32	22.23	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	24.0	0.0
20	QPSK	1	1	22.33	22.19	22.19	24.0	0.0

Part27Q n78 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				633334			24.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.50				
100	PI/2 BPSK	1	137	22.45				
100	PI/2 BPSK	1	271	22.26				
100	PI/2 BPSK	135	0	22.36			24.0	0.0
100	PI/2 BPSK	135	69	22.43			24.0	0.0
100	PI/2 BPSK	135	138	22.28			24.0	0.0
100	PI/2 BPSK	270	0	22.31				
100	QPSK	1	1	22.53			24.0	0.0
100	QPSK	1	137	22.36				
100	QPSK	1	271	22.43				
100	QPSK	135	0	22.37			24.0	0.0
100	QPSK	135	69	22.55			24.0	0.0
100	QPSK	135	138	22.45			24.0	0.0
100	QPSK	270	0	22.51			24.0	0.0
100	16QAM	1	1	22.48				
100	64QAM	1	1	20.96				
100	256QAM	1	1	18.73				
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	24.0	0.0
40	QPSK	1	1	22.28	22.36	22.34	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	24.0	0.0
20	QPSK	1	1	22.34	22.37	22.26	24.0	0.0



Part27O n77 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				650000	656000	662000	15.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.25	14.18	14.11	15.0	0.0
100	PI/2 BPSK	1	137	14.08	14.14	14.13		
100	PI/2 BPSK	1	271	14.11	14.21	14.28		
100	PI/2 BPSK	135	0	14.10	14.16	13.90	15.0	0.0
100	PI/2 BPSK	135	69	14.06	14.30	14.00	15.0	0.0
100	PI/2 BPSK	135	138	14.12	14.13	14.02	15.0	0.0
100	PI/2 BPSK	270	0	14.17	14.14	13.96		
100	QPSK	1	1	14.04	14.50	14.11	15.0	0.0
100	QPSK	1	137	14.03	14.33	14.33		
100	QPSK	1	271	14.10	14.20	14.29		
100	QPSK	135	0	14.15	14.13	14.14	15.0	0.0
100	QPSK	135	69	14.15	14.46	14.30	15.0	0.0
100	QPSK	135	138	14.19	14.26	14.33	15.0	0.0
100	QPSK	270	0	13.98	14.37	14.19		
100	16QAM	1	1	14.08	14.27	14.05	15.0	0.0
100	64QAM	1	1	14.24	14.29	14.25	15.0	0.0
100	256QAM	1	1	12.44	12.68	12.44	15.0	0.0
Channel				648000	656000	664000	15.0	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	14.04	14.28	14.18	15.0	0.0
Channel				647334	656000	664668	15.0	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	14.02	14.36	14.22	15.0	0.0

Part27Q n77 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				633334			18.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	17.20				
100	PI/2 BPSK	1	137	17.16				
100	PI/2 BPSK	1	271	17.16				
100	PI/2 BPSK	135	0	17.10			18.0	0.0
100	PI/2 BPSK	135	69	17.19			18.0	0.0
100	PI/2 BPSK	135	138	17.10			18.0	0.0
100	PI/2 BPSK	270	0	17.08				
100	QPSK	1	1	17.26			18.0	0.0
100	QPSK	1	137	17.17				
100	QPSK	1	271	17.17				
100	QPSK	135	0	17.21			18.0	0.0
100	QPSK	135	69	17.24			18.0	0.0
100	QPSK	135	138	17.13			18.0	0.0
100	QPSK	270	0	17.23				
100	16QAM	1	1	17.11			18.0	0.0
100	64QAM	1	1	17.20			18.0	0.0
100	256QAM	1	1	15.70			16.5	1.5
Channel				631334	633334	635334	18.0	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.13	17.10	17.07	18.0	0.0
Channel				630668	633334	636000	18.0	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.18	17.18	17.09	18.0	0.0



Part27O n78 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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		13.96		15.0	0.0
100	PI/2 BPSK	1	137		13.84			
100	PI/2 BPSK	1	271		13.97			
100	PI/2 BPSK	135	0		13.88		15.0	0.0
100	PI/2 BPSK	135	69		14.07		15.0	0.0
100	PI/2 BPSK	135	138		13.87		15.0	0.0
100	PI/2 BPSK	270	0		13.81			
100	QPSK	1	1		14.21		15.0	0.0
100	QPSK	1	137		14.01			
100	QPSK	1	271		13.89			
100	QPSK	135	0		13.91		15.0	0.0
100	QPSK	135	69		14.22		15.0	0.0
100	QPSK	135	138		13.95		15.0	0.0
100	QPSK	270	0		14.13			
100	16QAM	1	1		14.04		15.0	0.0
100	64QAM	1	1		14.09		15.0	0.0
100	256QAM	1	1		12.36		15.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	13.43	13.46	13.52	15.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	13.49	13.48	13.55	15.0	0.0

Part27Q n78 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				633334			18.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	17.08				
100	PI/2 BPSK	1	137	16.97				
100	PI/2 BPSK	1	271	16.97				
100	PI/2 BPSK	135	0	16.98			18.0	0.0
100	PI/2 BPSK	135	69	17.06			18.0	0.0
100	PI/2 BPSK	135	138	16.98			18.0	0.0
100	PI/2 BPSK	270	0	16.93				
100	QPSK	1	1	17.13			18.0	0.0
100	QPSK	1	137	17.00				
100	QPSK	1	271	16.93				
100	QPSK	135	0	17.10			18.0	0.0
100	QPSK	135	69	17.06			18.0	0.0
100	QPSK	135	138	16.94			18.0	0.0
100	QPSK	270	0	17.09				
100	16QAM	1	1	16.92			18.0	0.0
100	64QAM	1	1	17.08			18.0	0.0
100	256QAM	1	1	15.53			16.5	1.5
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.94	17.04	16.91	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.97	16.92	16.89	18.0	0.0



Part27O n77 PC3 Ant7

BW [MHz]	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	16.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.50	14.64	14.52		
100	PI/2 BPSK	1	137	14.56	14.60	14.47	16.0	0.0
100	PI/2 BPSK	1	271	14.51	14.65	14.57		
100	PI/2 BPSK	135	0	14.52	14.56	14.53		
100	PI/2 BPSK	135	69	14.44	14.44	14.34	16.0	0.0
100	PI/2 BPSK	135	138	14.31	14.37	14.29	16.0	0.0
100	PI/2 BPSK	270	0	14.48	14.55	14.51	16.0	0.0
100	QPSK	1	1	14.60	14.69	14.57		
100	QPSK	1	137	14.57	14.60	14.61		
100	QPSK	1	271	14.51	14.62	14.51	16.0	0.0
100	QPSK	135	0	14.49	14.62	14.51		
100	QPSK	135	69	14.43	14.75	14.54		
100	QPSK	135	138	14.46	14.61	14.43	16.0	0.0
100	QPSK	270	0	14.52	14.67	14.62	16.0	0.0
100	16QAM	1	1	14.51	14.65	14.53		
100	64QAM	1	1	14.50	14.64	14.61		
100	256QAM	1	1	14.49	14.54	14.50	16.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	16.0	0.0
40	QPSK	1	1	14.48	14.54	14.50	16.0	0.0
Channel				647934	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	16.0	0.0
20	QPSK	1	1	14.50	14.57	14.49	16.0	0.0

Part27Q n77 PC3 Ant7

BW [MHz]	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			9.5	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	8.85				
100	PI/2 BPSK	1	137	8.88			9.5	0.0
100	PI/2 BPSK	1	271	8.82				
100	PI/2 BPSK	135	0	8.86				
100	PI/2 BPSK	135	69	8.70			9.5	0.0
100	PI/2 BPSK	135	138	8.75			9.5	0.0
100	PI/2 BPSK	270	0	8.66				
100	QPSK	1	1	8.90				
100	QPSK	1	137	8.86			9.5	0.0
100	QPSK	1	271	8.79				
100	QPSK	135	0	8.88				
100	QPSK	135	69	8.91			9.5	0.0
100	QPSK	135	138	8.68			9.5	0.0
100	QPSK	270	0	8.89				
100	16QAM	1	1	8.82				
100	64QAM	1	1	8.82			9.5	0.0
100	256QAM	1	1	8.85			9.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	9.5	0.0
40	QPSK	1	1	8.76	8.74	8.74	9.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	9.5	0.0
20	QPSK	1	1	8.79	8.78	8.75	9.5	0.0

Part27O n78 PC3 Ant7

BW [MHz]	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		16.0	0.0
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		14.17			
100	PI/2 BPSK	1	137		14.17			
100	PI/2 BPSK	1	271		14.10		16.0	0.0
100	PI/2 BPSK	135	0		14.31			
100	PI/2 BPSK	135	69		14.16			
100	PI/2 BPSK	135	138		14.21			
100	PI/2 BPSK	270	0		14.30		16.0	0.0
100	QPSK	1	1		14.39			
100	QPSK	1	137		14.17			
100	QPSK	1	271		14.09			
100	QPSK	135	0		14.20		16.0	0.0
100	QPSK	135	69		14.46			
100	QPSK	135	138		14.21			
100	QPSK	270	0		14.37			
100	16QAM	1	1		14.13		16.0	0.0
100	64QAM	1	1		14.29		16.0	0.0
100	256QAM	1	1		14.19		16.0	0.0
Channel				648000	650000	652000	16.0	0.0
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	14.28	14.22	14.25		
Channel				647334	650000	652668	16.0	0.0
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	14.29	14.20	14.22		

Part27Q n78 PC3 Ant7

BW [MHz]	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		8.79		9.5	0.0
100	PI/2 BPSK	1	137		8.72			
100	PI/2 BPSK	1	271		8.80			
100	PI/2 BPSK	135	0		8.74			
100	PI/2 BPSK	135	69		8.70		9.5	0.0
100	PI/2 BPSK	135	138		8.74		9.5	0.0
100	PI/2 BPSK	270	0		8.72			
100	QPSK	1	1		8.81			
100	QPSK	1	137		8.76			
100	QPSK	1	271		8.79		9.5	0.0
100	QPSK	135	0		8.76			
100	QPSK	135	69		8.85			
100	QPSK	135	138		8.80			
100	QPSK	270	0		8.82		9.5	0.0
100	16QAM	1	1		8.65		9.5	0.0
100	64QAM	1	1		8.78		9.5	0.0
100	256QAM	1	1		8.67		9.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	8.68	8.71	8.58	9.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	8.64	8.59	8.71	9.5	0.0

Part270 n77 PC3 Ant11 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	12.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	10.50	10.71	10.63	12.5	0.0
100	PI/2 BPSK	1	137	10.43	10.69	10.69		
100	PI/2 BPSK	1	271	10.36	10.70	10.66		
100	PI/2 BPSK	135	0	10.53	10.69	10.61	12.5	0.0
100	PI/2 BPSK	135	69	10.37	10.57	10.58	12.5	0.0
100	PI/2 BPSK	135	138	10.49	10.64	10.48	12.5	0.0
100	PI/2 BPSK	270	0	10.50	10.68	10.72		
100	QPSK	1	1	10.47	10.79	10.69		
100	QPSK	1	137	10.42	10.70	10.56	12.5	0.0
100	QPSK	1	271	10.46	10.73	10.69		
100	QPSK	135	0	10.55	10.77	10.60	12.5	0.0
100	QPSK	135	69	10.63	10.61	10.60	12.5	0.0
100	QPSK	135	138	10.41	10.61	10.58	12.5	0.0
100	QPSK	270	0	10.57	10.78	10.63		
100	16QAM	1	1	10.16	10.41	10.38	12.5	0.0
100	64QAM	1	1	10.34	10.47	10.40	12.5	0.0
100	256QAM	1	1	10.24	10.47	10.33	12.5	0.0
Channel				648000	656000	664000	12.5	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	10.38	10.75	10.63	12.5	0.0
Channel				647334	656000	664668	12.5	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	10.37	10.70	10.72	12.5	0.0

Part27Q n77 PC3 Ant11 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			16.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	15.28			16.0	0.0
100	PI/2 BPSK	1	137	15.25				
100	PI/2 BPSK	1	271	14.76				
100	PI/2 BPSK	135	0	15.23			16.0	0.0
100	PI/2 BPSK	135	69	15.19			16.0	0.0
100	PI/2 BPSK	135	138	15.24			16.0	0.0
100	PI/2 BPSK	270	0	15.19				
100	QPSK	1	1	15.34				
100	QPSK	1	137	15.19			16.0	0.0
100	QPSK	1	271	15.22				
100	QPSK	135	0	15.24			16.0	0.0
100	QPSK	135	69	15.41			16.0	0.0
100	QPSK	135	138	15.14			16.0	0.0
100	QPSK	270	0	15.35				
100	16QAM	1	1	15.01			16.0	0.0
100	64QAM	1	1	15.07			16.0	0.0
100	256QAM	1	1	14.98			16.0	0.0
Channel				631334	633334	635334	16.0	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.13	15.15	15.16	16.0	0.0
Channel				630668	633334	636000	16.0	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.24	15.22	15.25	16.0	0.0

Part270 n78 PC3 Ant11 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				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1		10.63			
100	PI/2 BPSK	1	137		10.65		12.5	0.0
100	PI/2 BPSK	1	271		10.56			
100	PI/2 BPSK	135	0		10.56		12.5	0.0
100	PI/2 BPSK	135	69		10.49		12.5	0.0
100	PI/2 BPSK	135	138		10.48			
100	PI/2 BPSK	270	0		10.63		12.5	0.0
100	QPSK	1	1		10.73			
100	QPSK	1	137		10.65		12.5	0.0
100	QPSK	1	271		10.55			
100	QPSK	135	0		10.61		12.5	0.0
100	QPSK	135	69		10.71		12.5	0.0
100	QPSK	135	138		10.50			
100	QPSK	270	0		10.65		12.5	0.0
100	16QAM	1	1		10.31		12.5	0.0
100	64QAM	1	1		10.36		12.5	0.0
100	256QAM	1	1		10.39		12.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	12.5	0.0
40	QPSK	1	1	7.85	7.94	7.77		
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	7.84	7.99	7.75	12.5	0.0

Part27Q n78 PC3 Ant11 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		15.10			
100	PI/2 BPSK	1	137		15.06		16.0	0.0
100	PI/2 BPSK	1	271		14.61			
100	PI/2 BPSK	135	0		15.10		16.0	0.0
100	PI/2 BPSK	135	69		15.00		16.0	0.0
100	PI/2 BPSK	135	138		15.16			
100	PI/2 BPSK	270	0		15.03		16.0	0.0
100	QPSK	1	1		15.22			
100	QPSK	1	137		15.06		16.0	0.0
100	QPSK	1	271		15.10			
100	QPSK	135	0		15.17		16.0	0.0
100	QPSK	135	69		15.29		16.0	0.0
100	QPSK	135	138		15.08			
100	QPSK	270	0		15.27		16.0	0.0
100	16QAM	1	1		14.88		16.0	0.0
100	64QAM	1	1		15.01		16.0	0.0
100	256QAM	1	1		14.93		16.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	11.53	11.60	11.56	16.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	11.58	11.56	11.52	16.0	0.0

Reduced Power for 5GNR

n41 Ant2 Sensor on								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502200	518598	534996	10.5	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	9.33	9.68	9.38	10.5	0.0
30	PI/2 BPSK	1	39	9.27	9.58	9.28		
30	PI/2 BPSK	1	76	9.32	9.62	9.25		
30	PI/2 BPSK	36	0	9.23	9.67	9.29	10.5	0.0
30	PI/2 BPSK	36	18	9.18	9.64	9.37	10.5	0.0
30	PI/2 BPSK	36	39	9.31	9.69	9.29	10.5	0.0
30	PI/2 BPSK	75	0	9.31	9.65	9.35		
30	QPSK	1	1	9.31	9.75	9.36	10.5	0.0
30	QPSK	1	39	9.34	9.58	9.36		
30	QPSK	1	76	9.25	9.62	9.15		
30	QPSK	36	0	9.36	9.71	9.30	10.5	0.0
30	QPSK	36	18	9.25	9.77	9.30	10.5	0.0
30	QPSK	36	39	9.25	9.65	9.38	10.5	0.0
30	QPSK	75	0	9.35	9.73	9.36		
30	16QAM	36	18	9.33	9.70	9.25	10.5	0.0
30	64QAM	36	18	9.25	9.66	9.29	10.5	0.0
30	256QAM	36	18	9.17	9.70	9.33	10.5	0.0



Part270 n77 PC3 Ant3 Sensor on

BW [MHz]	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	11.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	9.92	9.92	9.87		
100	PI/2 BPSK	1	137	9.80	9.97	9.74	11.5	0.0
100	PI/2 BPSK	1	271	9.72	9.90	9.89		
100	PI/2 BPSK	135	0	9.84	9.75	9.77		
100	PI/2 BPSK	135	69	9.77	9.77	9.73	11.5	0.0
100	PI/2 BPSK	135	138	9.63	9.75	9.60	11.5	0.0
100	PI/2 BPSK	270	0	9.81	9.89	9.84		
100	QPSK	1	1	9.82	9.99	9.96		
100	QPSK	1	137	9.76	9.98	9.74	11.5	0.0
100	QPSK	1	271	9.78	9.96	9.77		
100	QPSK	135	0	9.95	9.92	9.95		
100	QPSK	135	69	9.67	10.18	9.70	11.5	0.0
100	QPSK	135	138	9.70	9.89	9.80	11.5	0.0
100	QPSK	270	0	9.74	10.02	9.80		
100	16QAM	1	1	9.86	9.86	9.72	11.5	0.0
100	64QAM	1	1	9.70	9.97	9.75	11.5	0.0
100	256QAM	1	1	9.62	9.97	9.67	11.5	0.0
Channel				648000	656000	664000	11.5	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	9.72	9.85	9.79		
Channel				647334	656000	664668	11.5	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	9.78	9.78	9.86		

Part27Q n77 PC3 Ant3 Sensor on

BW [MHz]	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			11.5	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	9.84				
100	PI/2 BPSK	1	137	9.74				
100	PI/2 BPSK	1	271	9.81				
100	PI/2 BPSK	135	0	9.75			11.5	0.0
100	PI/2 BPSK	135	69	9.73			11.5	0.0
100	PI/2 BPSK	135	138	9.67			11.5	0.0
100	PI/2 BPSK	270	0	9.81				
100	QPSK	1	1	10.02				
100	QPSK	1	137	9.76				
100	QPSK	1	271	9.86				
100	QPSK	135	0	9.76			11.5	0.0
100	QPSK	135	69	10.12			11.5	0.0
100	QPSK	135	138	9.70			11.5	0.0
100	QPSK	270	0	10.01				
100	16QAM	1	1	9.88				
100	64QAM	1	1	9.91			11.5	0.0
100	256QAM	1	1	9.93			11.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	9.62	9.67	9.58	11.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	9.58	9.72	9.71	11.5	0.0



Part270 n78 PC3 Ant3 Sensor on

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		9.81		11.5	0.0
100	PI/2 BPSK	1	137		9.87			
100	PI/2 BPSK	1	271		9.68			
100	PI/2 BPSK	135	0		9.93		11.5	0.0
100	PI/2 BPSK	135	69		9.95		11.5	0.0
100	PI/2 BPSK	135	138		9.79		11.5	0.0
100	PI/2 BPSK	270	0		9.88			
100	QPSK	1	1		9.97		11.5	0.0
100	QPSK	1	137		9.93			
100	QPSK	1	271		9.84			
100	QPSK	135	0		9.95		11.5	0.0
100	QPSK	135	69		10.12		11.5	0.0
100	QPSK	135	138		9.89		11.5	0.0
100	QPSK	270	0		9.94			
100	16QAM	1	1		9.97		11.5	0.0
100	64QAM	1	1		9.84		11.5	0.0
100	256QAM	1	1		9.88		11.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	9.65	9.80	9.75	11.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	9.83	9.75	9.76	11.5	0.0

Part27Q n78 PC3 Ant3 Sensor on

BW [MHz]	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		9.92		11.5	0.0
100	PI/2 BPSK	1	137		9.87			
100	PI/2 BPSK	1	271		9.82			
100	PI/2 BPSK	135	0		9.92		11.5	0.0
100	PI/2 BPSK	135	69		9.90		11.5	0.0
100	PI/2 BPSK	135	138		9.78		11.5	0.0
100	PI/2 BPSK	270	0		9.84			
100	QPSK	1	1		10.04		11.5	0.0
100	QPSK	1	137		9.80			
100	QPSK	1	271		9.98			
100	QPSK	135	0		9.94		11.5	0.0
100	QPSK	135	69		10.06		11.5	0.0
100	QPSK	135	138		9.97		11.5	0.0
100	QPSK	270	0		9.99			
100	16QAM	1	1		9.98		11.5	0.0
100	64QAM	1	1		9.93		11.5	0.0
100	256QAM	1	1		9.97		11.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	9.69	9.83	9.93	11.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	9.88	9.77	9.74	11.5	0.0

WIFI&BT Power

2.4GHz WLAN			Full power Ant 10		Sensor on Ant 10		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.11	18.50	11.15	13.00	100.00
		6	2437	17.06	18.50	11.23	13.00	
		11	2462	17.34	19.50	11.31	13.00	
	802.11g 6Mbps	1	2412	15.70	17.00	Not Required	13.00	98.28
		6	2437	15.83	17.00		13.00	
		11	2462	15.94	17.00		13.00	
	802.11n-HT20 MCS0	1	2412	13.60	15.00		13.00	98.16
		6	2437	13.62	15.00			
		11	2462	13.73	15.00			
	802.11n-HT40 MCS0	3	2422	12.31	13.50		13.00	94.93
		6	2437	12.60	13.50			
		9	2452	11.02	13.00			

5.2GHz WLAN			Full power Ant 10		Sensor on Ant 10		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	15.76	17.00	12.00	98.28
		40	5200	15.70	17.00	12.00	
		44	5220	15.34	17.00	12.00	
	802.11n-HT20 MCS0	48	5240	15.26	17.00	12.00	98.16
		36	5180	14.53	16.00	12.00	
		40	5200	14.37	16.00	12.00	
	802.11n-HT40 MCS0	44	5220	14.15	15.50	12.00	96.32
		48	5240	14.02	15.50	12.00	
		36	5190	15.47	17.00	Not Required	
	802.11ac-VHT20 MCS0	46	5230	15.41	17.00	12.00	98.16
		36	5180	13.73	15.00	12.00	
		40	5200	13.66	15.00	12.00	
	802.11ac-VHT40 MCS0	44	5220	13.36	15.00	12.00	96.32
		48	5240	13.33	15.00	12.00	
		38	5190	12.44	14.00	12.00	
	802.11ac-VHT80 MCS0	46	5230	12.04	13.50	12.00	93.00
		42	5210	12.21	13.50	10.72	

5.3GHz WLAN			Full power Ant 10		Sensor on Ant 10		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.3GHz WLAN	802.11a 6Mbps	52	5260	15.10	17.00	12.00	98.28	
		56	5280	14.99	17.00	12.00		
		60	5300	15.57	17.00	12.00		
	802.11n-HT20 MCS0	64	5320	15.76	17.00	12.00	98.16	
		52	5260	14.00	16.00	12.00		
		56	5280	13.79	16.00	12.00		
	802.11n-HT40 MCS0	60	5300	14.30	16.00	12.00	96.32	
		64	5320	14.43	16.00	12.00		
		54	5270	14.84	15.50	12.00		
	802.11ac-VHT20 MCS0	82	5310	15.53	17.00	12.00	98.16	
		62	5260	13.22	15.00	12.00		
		56	5280	13.16	15.00	12.00		
	802.11ac-VHT40 MCS0	60	5300	13.60	15.00	12.00	96.32	
		64	5320	13.86	15.00	12.00		
		54	5270	12.10	13.50	12.00		
	802.11ac-VHT80 MCS0	58	5290	11.84	13.50	10.59	12.00	93.00

5.5GHz WLAN			Full power Ant 10		Sensor on Ant 10			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500	15.46	17.00	7.00	98.28	
		116	5580	15.86	17.50	7.00		
		124	5620	15.26	17.00	7.00		
		132	5660	15.56	17.00	7.00		
		140	5700	15.72	17.00	7.00		
		144	5720	15.63	17.00	7.00		
	802.11n-HT20 MCS0	100	5500	14.27	16.00	7.00	98.16	
		116	5580	14.52	16.00	7.00		
		124	5620	13.98	15.50	7.00		
		132	5660	14.33	16.00	7.00		
		140	5700	14.46	16.00	7.00		
		144	5720	14.43	16.00	7.00		
	802.11n-HT40 MCS0	102	5510	15.36	17.00	7.00	96.32	
		110	5550	15.97	17.50	7.00		
		126	5630	15.03	16.50	7.00		
		134	5670	15.34	17.00	7.00		
		142	5710	15.54	17.00	7.00		
		100	5500	13.73	15.00	7.00		
	802.11ac-VHT20 MCS0	116	5580	13.87	15.00	7.00	98.16	
		124	5620	13.37	15.00	7.00		
		132	5660	13.66	15.00	7.00		
		140	5700	13.84	15.00	7.00		
		144	5720	13.81	15.00	7.00		
		102	5510	12.64	14.00	7.00		
	802.11ac-VHT40 MCS0	110	5550	12.92	14.50	7.00	96.32	
		126	5630	12.13	13.50	7.00		
		134	5670	12.44	14.00	7.00		
		142	5710	12.67	14.00	7.00		
		106	5530	12.69	14.00	5.96		7.00
		122	5610	11.93	13.50	5.68		7.00
	802.11ac-VHT80 MCS0	138	5690	12.10	13.50	5.89	7.00	93.00

5.8GHz WLAN			Full power Ant 10		Sensor on Ant 10		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	149	5745	15.59	17.00	8.50	98.28	
		157	5785	15.50	17.00	8.50		
		165	5825	15.54	17.00	8.50		
	802.11n-HT20 MCS0	149	5745	14.30	15.50	8.50	98.16	
		157	5785	14.20	15.50	8.50		
		165	5825	14.18	15.50	8.50		
	802.11n-HT40 MCS0	151	5755	15.27	16.50	Not Required	8.50	96.32
		159	5795	15.18	16.50	8.50		
		149	5745	13.65	15.00	8.50		
	802.11ac-VHT20 MCS0	157	5785	13.57	15.00	8.50	98.16	
		165	5825	13.54	15.00	8.50		
		151	5755	12.24	13.50	8.50		
	802.11ac-VHT40 MCS0	159	5795	12.13	13.50	8.50	96.32	
		802.11ac-VHT80 MCS0	155	5775	11.83	13.50		7.23

BR/EDR			Ant 10			
Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	5.13	1.90	1.76	6.00
	CH 39	2441	3.89	0.71	0.54	5.00
	CH 78	2480	3.98	0.68	0.61	5.00

BT LE			Ant 10
Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	4.92
	CH 19	2440	3.69
	CH 39	2480	3.88
	Tune-up Limit		5.50

BT LE		Ant 10	
Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	5.12
		2440	3.66
		2480	3.91
		2480	5.50