



FCC SAR TEST REPORT

Report No. : FA3N0842

15	256QAM	75	0	11.23	11.22	11.01	Tune-up limit (dBm)
Channel				43640	44090	44540	
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	11.08	11.27	11.01	12
10	QPSK	1	25	11.08	11.33	11.03	
10	QPSK	1	49	11.13	11.38	11.06	
10	QPSK	25	0	11.17	11.37	11.13	12
10	QPSK	25	12	11.21	11.30	11.14	
10	QPSK	25	25	11.17	11.34	10.99	
10	QPSK	50	0	11.17	11.34	11.10	
10	16QAM	1	0	11.08	11.31	11.05	12
10	16QAM	1	25	11.09	11.38	11.11	
10	16QAM	1	49	11.06	11.24	11.07	
10	16QAM	25	0	11.22	11.24	11.02	12
10	16QAM	25	12	11.17	11.31	11.18	
10	16QAM	25	25	11.13	11.23	11.18	
10	16QAM	50	0	11.19	11.39	11.09	
10	64QAM	1	0	11.09	11.23	11.17	12
10	64QAM	1	25	11.18	11.30	11.09	
10	64QAM	1	49	11.04	11.34	11.06	
10	64QAM	25	0	11.11	11.40	11.18	12
10	64QAM	25	12	11.19	11.29	11.09	
10	64QAM	25	25	11.17	11.32	11.09	
10	64QAM	50	0	11.18	11.36	11.17	
10	256QAM	1	0	11.11	11.34	11.13	12
10	256QAM	1	25	11.10	11.26	11.06	
10	256QAM	1	49	11.20	11.28	11.12	
10	256QAM	25	0	11.14	11.40	11.18	12
10	256QAM	25	12	11.04	11.20	11.18	
10	256QAM	25	25	11.09	11.27	11.10	
10	256QAM	50	0	11.22	11.39	11.14	
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	11.16	11.33	11.11	
5	QPSK	1	12	11.23	11.40	11.11	
5	QPSK	1	24	11.13	11.35	11.04	
5	QPSK	12	0	11.20	11.37	11.08	12
5	QPSK	12	7	11.14	11.22	11.06	
5	QPSK	12	13	11.10	11.38	11.13	
5	QPSK	25	0	11.14	11.26	11.06	
5	16QAM	1	0	11.06	11.35	11.00	12
5	16QAM	1	12	11.12	11.22	11.01	
5	16QAM	1	24	11.17	11.33	11.13	
5	16QAM	12	0	11.23	11.33	11.06	12
5	16QAM	12	7	11.03	11.34	10.99	
5	16QAM	12	13	11.07	11.38	11.16	
5	16QAM	25	0	11.07	11.39	10.99	
5	64QAM	1	0	11.09	11.28	11.11	12
5	64QAM	1	12	11.07	11.38	11.07	
5	64QAM	1	24	11.03	11.38	11.18	
5	64QAM	12	0	11.17	11.33	11.01	12
5	64QAM	12	7	11.16	11.26	11.06	
5	64QAM	12	13	11.20	11.31	11.16	
5	64QAM	25	0	11.18	11.33	11.08	
5	256QAM	1	0	11.19	11.26	11.18	12
5	256QAM	1	12	11.05	11.24	10.98	
5	256QAM	1	24	11.03	11.29	11.11	
5	256QAM	12	0	11.06	11.37	11.03	12
5	256QAM	12	7	11.18	11.24	11.14	
5	256QAM	12	13	11.23	11.21	11.00	
5	256QAM	25	0	11.18	11.32	11.16	



<LTE Band 43_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	19.34	19.41	19.34	
20	QPSK	1	49	19.07	19.19	19.04	
20	QPSK	1	99	19.13	19.22	19.14	
20	QPSK	50	0	19.20	19.32	19.16	19.5
20	QPSK	50	24	19.16	19.31	19.10	
20	QPSK	50	50	19.18	19.29	19.15	
20	QPSK	100	0	19.19	19.30	19.20	19.5
20	16QAM	1	0	19.09	19.16	19.04	
20	16QAM	1	49	19.00	19.12	18.95	
20	16QAM	1	99	19.02	19.13	19.03	19.5
20	16QAM	50	0	19.23	19.31	19.15	
20	16QAM	50	24	19.27	19.39	19.28	
20	16QAM	50	50	19.21	19.35	19.25	19.5
20	16QAM	100	0	19.22	19.30	19.15	
20	64QAM	1	0	18.99	19.09	18.93	
20	64QAM	1	49	18.92	19.08	18.93	19.5
20	64QAM	1	99	19.01	19.11	18.94	
20	64QAM	50	0	19.23	19.30	19.16	
20	64QAM	50	24	19.19	19.28	19.11	19.5
20	64QAM	50	50	19.23	19.33	19.17	
20	64QAM	100	0	19.22	19.36	19.24	
20	256QAM	1	0	18.17	18.34	18.27	18.5
20	256QAM	1	49	18.22	18.33	18.26	
20	256QAM	1	99	18.27	18.42	18.33	
20	256QAM	50	0	17.99	18.06	17.99	18.5
20	256QAM	50	24	17.97	18.10	17.96	
20	256QAM	50	50	17.97	18.06	17.96	
20	256QAM	100	0	17.87	18.04	17.87	
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	19.27	19.37	19.31	
15	QPSK	1	37	19.03	19.10	19.06	
15	QPSK	1	74	19.09	19.11	19.07	
15	QPSK	36	0	19.11	19.23	19.08	19.5
15	QPSK	36	20	19.18	19.23	19.05	
15	QPSK	36	39	19.08	19.26	19.05	
15	QPSK	75	0	19.20	19.19	19.20	19.5
15	16QAM	1	0	18.96	19.10	19.04	
15	16QAM	1	37	18.93	18.99	18.96	
15	16QAM	1	74	18.97	19.03	18.98	19.5
15	16QAM	36	0	19.24	19.24	19.10	
15	16QAM	36	20	19.23	19.32	19.27	
15	16QAM	36	39	19.14	19.17	19.19	19.5
15	16QAM	75	0	19.08	19.27	19.18	
15	64QAM	1	0	18.94	19.01	18.97	
15	64QAM	1	37	18.91	18.92	18.95	19.5
15	64QAM	1	74	18.93	18.97	18.98	
15	64QAM	36	0	19.21	19.18	19.09	
15	64QAM	36	20	19.06	19.22	19.21	19.5
15	64QAM	36	39	19.20	19.33	19.12	
15	64QAM	75	0	19.17	19.24	19.18	
15	256QAM	1	0	18.12	18.17	18.16	18.5
15	256QAM	1	37	18.11	18.24	18.16	
15	256QAM	1	74	18.23	18.42	18.19	
15	256QAM	36	0	17.88	17.94	17.95	18.5
15	256QAM	36	20	17.93	17.98	17.92	
15	256QAM	36	39	17.95	18.05	17.86	



FCC SAR TEST REPORT

Report No. : FA3N0842

15	256QAM	75	0	17.90	17.94	17.86	Tune-up limit (dBm)
Channel				43640	44090	44540	
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	19.26	19.40	19.29	19.5
10	QPSK	1	25	19.02	19.10	18.98	
10	QPSK	1	49	19.04	19.13	19.05	
10	QPSK	25	0	19.04	19.20	19.09	19.5
10	QPSK	25	12	19.24	19.16	19.10	
10	QPSK	25	25	19.10	19.19	19.22	
10	QPSK	50	0	19.06	19.14	19.15	
10	16QAM	1	0	18.97	19.02	18.97	19.5
10	16QAM	1	25	18.95	19.04	18.98	
10	16QAM	1	49	18.98	19.02	18.95	
10	16QAM	25	0	19.10	19.13	19.10	19.5
10	16QAM	25	12	19.22	19.30	19.26	
10	16QAM	25	25	19.21	19.21	19.23	
10	16QAM	50	0	19.17	19.15	19.09	
10	64QAM	1	0	18.91	18.98	18.93	19.5
10	64QAM	1	25	18.89	18.98	18.93	
10	64QAM	1	49	18.95	19.00	18.95	
10	64QAM	25	0	19.13	19.20	19.19	19.5
10	64QAM	25	12	19.10	19.23	19.06	
10	64QAM	25	25	19.17	19.18	19.21	
10	64QAM	50	0	19.18	19.30	19.16	
10	256QAM	1	0	18.12	18.19	18.16	18.5
10	256QAM	1	25	18.10	18.17	18.22	
10	256QAM	1	49	18.22	18.36	18.25	
10	256QAM	25	0	17.89	18.00	17.91	18.5
10	256QAM	25	12	18.00	18.01	17.91	
10	256QAM	25	25	17.87	17.97	17.89	
10	256QAM	50	0	17.89	17.97	17.91	
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	19.30	19.37	19.31	19.5
5	QPSK	1	12	18.97	19.05	19.02	
5	QPSK	1	24	19.09	19.04	19.08	
5	QPSK	12	0	19.13	19.22	19.03	19.5
5	QPSK	12	7	19.14	19.30	19.10	
5	QPSK	12	13	19.08	19.17	19.19	
5	QPSK	25	0	19.12	19.25	19.15	
5	16QAM	1	0	19.06	19.06	19.05	19.5
5	16QAM	1	12	18.89	19.05	18.91	
5	16QAM	1	24	19.05	18.98	18.87	
5	16QAM	12	0	19.17	19.22	19.13	19.5
5	16QAM	12	7	19.22	19.36	19.21	
5	16QAM	12	13	19.24	19.27	19.22	
5	16QAM	25	0	19.18	19.12	19.17	
5	64QAM	1	0	19.01	19.02	19.01	19.5
5	64QAM	1	12	18.94	19.03	18.89	
5	64QAM	1	24	18.99	19.00	18.96	
5	64QAM	12	0	19.19	19.21	19.13	19.5
5	64QAM	12	7	19.13	19.20	19.11	
5	64QAM	12	13	19.14	19.21	19.23	
5	64QAM	25	0	19.14	19.30	19.26	
5	256QAM	1	0	18.21	18.17	18.12	18.5
5	256QAM	1	12	18.19	18.17	18.15	
5	256QAM	1	24	18.22	18.37	18.19	
5	256QAM	12	0	17.89	17.93	17.86	18.5
5	256QAM	12	7	17.92	17.91	17.99	
5	256QAM	12	13	17.92	17.95	17.83	
5	256QAM	25	0	17.89	17.96	17.90	



<LTE Band 48_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

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)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	21.66	21.65	21.68	21.61	22
20	QPSK	1	49	21.19	21.20	21.17	21.17	
20	QPSK	1	99	21.21	21.17	21.20	21.08	
20	QPSK	50	0	20.19	20.19	20.16	20.16	21
20	QPSK	50	24	19.87	19.91	19.96	19.85	
20	QPSK	50	50	20.29	20.32	20.40	20.33	
20	QPSK	100	0	20.06	20.10	20.09	20.09	21
20	16QAM	1	0	20.21	20.22	20.29	20.13	
20	16QAM	1	49	20.32	20.34	20.36	20.24	
20	16QAM	1	99	19.92	19.89	19.90	19.82	20
20	16QAM	50	0	19.04	19.03	19.10	19.01	
20	16QAM	50	24	19.19	19.19	19.24	19.13	
20	16QAM	50	50	19.10	19.08	19.20	19.10	20
20	16QAM	100	0	19.18	19.14	19.20	19.10	
20	64QAM	1	0	18.79	18.76	18.76	18.74	
20	64QAM	1	49	19.16	19.09	19.15	19.05	20
20	64QAM	1	99	19.15	19.09	19.10	19.07	
20	64QAM	50	0	18.15	18.14	18.20	18.04	
20	64QAM	50	24	17.71	17.70	17.75	17.67	19
20	64QAM	50	50	18.11	18.02	18.06	18.06	
20	64QAM	100	0	17.95	17.88	18.01	17.91	
20	256QAM	1	0	16.18	16.11	16.12	16.13	17
20	256QAM	1	49	16.32	16.35	16.39	16.29	
20	256QAM	1	99	16.41	16.31	16.42	16.36	
20	256QAM	50	0	16.15	16.16	16.25	16.09	17
20	256QAM	50	24	16.39	16.32	16.38	16.27	
20	256QAM	50	50	16.27	16.36	16.38	16.22	
20	256QAM	100	0	16.29	16.22	16.34	16.17	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	21.57	21.55	21.66	21.61	22
15	QPSK	1	37	21.19	21.20	21.17	21.12	
15	QPSK	1	74	21.12	21.10	21.16	21.04	
15	QPSK	36	0	20.14	20.19	20.11	20.10	21
15	QPSK	36	20	19.83	19.82	19.93	19.82	
15	QPSK	36	39	20.26	20.25	20.34	20.27	
15	QPSK	75	0	20.04	20.07	20.08	20.03	21
15	16QAM	1	0	20.19	20.14	20.29	20.11	
15	16QAM	1	37	20.24	20.28	20.27	20.15	
15	16QAM	1	74	19.92	19.85	19.83	19.79	20
15	16QAM	36	0	18.95	18.98	19.06	18.98	
15	16QAM	36	20	19.09	19.12	19.19	19.07	
15	16QAM	36	39	19.02	19.07	19.17	19.09	20
15	16QAM	75	0	19.16	19.10	19.18	19.02	
15	64QAM	1	0	18.79	18.72	18.70	18.72	
15	64QAM	1	37	19.12	18.99	19.11	18.96	20
15	64QAM	1	74	19.05	19.03	19.08	19.03	
15	64QAM	36	0	18.12	18.10	18.16	18.00	
15	64QAM	36	20	17.68	17.70	17.68	17.64	19
15	64QAM	36	39	18.08	17.94	18.01	17.98	
15	64QAM	75	0	17.89	17.80	17.95	17.89	
15	256QAM	1	0	16.14	16.10	16.11	16.06	17
15	256QAM	1	37	16.29	16.32	16.38	16.25	
15	256QAM	1	74	16.40	16.29	16.38	16.33	
15	256QAM	36	0	16.15	16.16	16.24	15.99	17
15	256QAM	36	20	16.30	16.26	16.34	16.23	
15	256QAM	36	39	16.22	16.28	16.36	16.19	



FCC SAR TEST REPORT

Report No. : FA3N0842

15	256QAM	75	0	16.21	16.15	16.30	16.07	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	21.57	21.61	21.64	21.59	22
10	QPSK	1	25	21.11	21.17	21.09	21.09	
10	QPSK	1	49	21.23	21.12	21.13	21.11	
10	QPSK	25	0	20.19	20.11	20.20	20.03	21
10	QPSK	25	12	19.87	19.81	19.82	19.81	
10	QPSK	25	25	20.25	20.21	20.35	20.21	
10	QPSK	50	0	20.03	20.05	19.98	19.95	
10	16QAM	1	0	20.25	20.11	20.28	20.14	21
10	16QAM	1	25	20.32	20.21	20.24	20.29	
10	16QAM	1	49	19.90	19.84	19.92	19.79	
10	16QAM	25	0	18.92	19.03	18.96	18.90	20
10	16QAM	25	12	19.10	19.15	19.16	19.05	
10	16QAM	25	25	19.13	19.08	19.17	19.11	
10	16QAM	50	0	19.02	19.12	19.03	19.09	
10	64QAM	1	0	18.71	18.75	18.72	18.69	20
10	64QAM	1	25	19.05	19.08	19.16	19.04	
10	64QAM	1	49	19.08	19.07	19.01	19.03	
10	64QAM	25	0	18.04	18.03	18.00	17.95	19
10	64QAM	25	12	17.66	17.70	17.77	17.62	
10	64QAM	25	25	17.97	18.06	18.06	17.98	
10	64QAM	50	0	17.87	17.89	17.94	17.87	
10	256QAM	1	0	16.04	16.10	16.07	16.03	17
10	256QAM	1	25	16.21	16.31	16.30	16.19	
10	256QAM	1	49	16.35	16.37	16.39	16.25	
10	256QAM	25	0	16.11	16.14	16.20	16.13	17
10	256QAM	25	12	16.32	16.33	16.40	16.29	
10	256QAM	25	25	16.19	16.23	16.30	16.27	
10	256QAM	50	0	16.17	16.25	16.17	16.18	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	21.64	21.63	21.62	21.60	22
5	QPSK	1	12	21.11	21.10	21.17	21.15	
5	QPSK	1	24	21.17	21.02	21.12	21.09	
5	QPSK	12	0	20.15	20.15	20.18	20.11	21
5	QPSK	12	7	19.89	19.86	19.80	19.87	
5	QPSK	12	13	20.31	20.24	20.37	20.23	
5	QPSK	25	0	19.98	20.03	20.07	19.97	
5	16QAM	1	0	20.17	20.23	20.25	20.06	21
5	16QAM	1	12	20.32	20.35	20.36	20.22	
5	16QAM	1	24	19.87	19.82	19.81	19.79	
5	16QAM	12	0	19.03	19.04	18.99	18.89	20
5	16QAM	12	7	19.06	19.09	19.21	19.12	
5	16QAM	12	13	19.11	19.08	19.07	19.12	
5	16QAM	25	0	19.04	19.12	19.11	19.08	
5	64QAM	1	0	18.77	18.70	18.76	18.67	20
5	64QAM	1	12	19.15	19.14	19.04	19.05	
5	64QAM	1	24	19.05	19.07	19.04	19.10	
5	64QAM	12	0	18.15	18.04	18.12	18.04	19
5	64QAM	12	7	17.65	17.78	17.71	17.67	
5	64QAM	12	13	18.00	18.01	18.05	18.00	
5	64QAM	25	0	17.88	17.89	17.81	17.85	
5	256QAM	1	0	16.16	16.13	16.13	16.14	17
5	256QAM	1	12	16.25	16.38	16.35	16.30	
5	256QAM	1	24	16.28	16.37	16.40	16.34	
5	256QAM	12	0	16.17	16.11	16.09	16.06	17
5	256QAM	12	7	16.34	16.28	16.35	16.22	
5	256QAM	12	13	16.31	16.21	16.21	16.22	
5	256QAM	25	0	16.16	16.29	16.14	16.20	



<LTE Band 48_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

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)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	21.01	20.97	20.91	20.97	22
20	QPSK	1	49	20.77	20.56	20.45	20.32	
20	QPSK	1	99	20.75	20.72	20.51	20.63	
20	QPSK	50	0	20.09	19.73	19.47	19.76	21
20	QPSK	50	24	19.97	19.92	19.62	19.78	
20	QPSK	50	50	20.09	19.83	19.56	19.91	
20	QPSK	100	0	20.10	20.01	19.53	19.51	
20	16QAM	1	0	19.86	19.89	19.43	19.74	21
20	16QAM	1	49	20.02	19.92	19.71	19.68	
20	16QAM	1	99	19.99	19.71	19.73	19.62	
20	16QAM	50	0	19.14	18.93	18.66	18.64	20
20	16QAM	50	24	18.96	19.04	18.50	18.52	
20	16QAM	50	50	19.10	18.94	18.61	18.61	
20	16QAM	100	0	19.10	18.97	18.57	18.56	
20	64QAM	1	0	18.74	18.71	18.51	18.50	20
20	64QAM	1	49	18.80	18.56	18.27	18.35	
20	64QAM	1	99	18.73	18.68	18.29	18.60	
20	64QAM	50	0	18.03	17.94	17.74	17.58	19
20	64QAM	50	24	18.93	19.03	18.61	18.56	
20	64QAM	50	50	18.07	17.90	17.59	17.80	
20	64QAM	100	0	18.05	17.96	17.57	17.52	
20	256QAM	1	0	15.97	15.79	15.66	15.60	17
20	256QAM	1	49	15.83	15.97	15.57	15.57	
20	256QAM	1	99	15.99	15.94	15.67	15.70	
20	256QAM	50	0	16.03	15.87	15.55	15.56	17
20	256QAM	50	24	15.99	15.88	15.82	15.80	
20	256QAM	50	50	16.15	15.82	15.68	15.70	
20	256QAM	100	0	15.98	15.87	15.73	15.50	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	20.92	20.94	20.88	20.77	22
15	QPSK	1	37	20.83	20.56	20.42	20.21	
15	QPSK	1	74	20.79	20.72	20.62	20.57	
15	QPSK	36	0	20.12	19.72	19.59	19.61	21
15	QPSK	36	20	20.07	19.77	19.69	19.72	
15	QPSK	36	39	20.16	19.86	19.65	19.79	
15	QPSK	75	0	20.10	20.03	19.70	19.60	
15	16QAM	1	0	19.97	19.86	19.42	19.70	21
15	16QAM	1	37	19.87	20.02	19.78	19.73	
15	16QAM	1	74	19.85	19.76	19.74	19.61	
15	16QAM	36	0	18.99	19.11	18.69	18.58	20
15	16QAM	36	20	19.10	19.13	18.48	18.43	
15	16QAM	36	39	19.16	18.93	18.46	18.58	
15	16QAM	75	0	19.00	18.99	18.69	18.64	
15	64QAM	1	0	18.81	18.73	18.50	18.59	20
15	64QAM	1	37	18.77	18.55	18.37	18.48	
15	64QAM	1	74	18.72	18.87	18.39	18.57	
15	64QAM	36	0	18.08	17.77	17.84	17.67	19
15	64QAM	36	20	18.86	18.90	18.49	18.63	
15	64QAM	36	39	17.93	17.85	17.41	17.73	
15	64QAM	75	0	17.98	18.00	17.56	17.48	
15	256QAM	1	0	16.00	15.77	15.53	15.47	17
15	256QAM	1	37	15.89	15.78	15.66	15.64	
15	256QAM	1	74	15.99	15.90	15.67	15.81	
15	256QAM	36	0	16.11	15.78	15.56	15.66	17
15	256QAM	36	20	16.17	15.86	15.66	15.81	
15	256QAM	36	39	16.04	15.86	15.83	15.69	



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15	256QAM	75	0	16.11	15.90	15.87	15.50	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	20.99	20.82	20.75	20.83	22
10	QPSK	1	25	20.83	20.63	20.26	20.22	
10	QPSK	1	49	20.84	20.75	20.59	20.58	
10	QPSK	25	0	20.00	19.78	19.56	19.71	21
10	QPSK	25	12	20.13	19.78	19.59	19.85	
10	QPSK	25	25	20.16	19.80	19.50	19.82	
10	QPSK	50	0	19.92	19.95	19.62	19.52	
10	16QAM	1	0	19.92	19.83	19.46	19.67	21
10	16QAM	1	25	19.91	20.00	19.68	19.60	
10	16QAM	1	49	20.02	19.83	19.69	19.52	
10	16QAM	25	0	19.07	18.93	18.72	18.70	20
10	16QAM	25	12	18.95	19.01	18.57	18.62	
10	16QAM	25	25	19.06	19.02	18.55	18.52	
10	16QAM	50	0	18.98	18.98	18.58	18.59	
10	64QAM	1	0	18.87	18.70	18.50	18.50	20
10	64QAM	1	25	18.78	18.56	18.29	18.39	
10	64QAM	1	49	18.71	18.77	18.22	18.49	
10	64QAM	25	0	18.08	17.82	17.73	17.58	19
10	64QAM	25	12	18.85	18.92	18.56	18.59	
10	64QAM	25	25	17.99	17.94	17.43	17.65	
10	64QAM	50	0	18.13	18.02	17.63	17.57	
10	256QAM	1	0	15.90	15.75	15.53	15.63	17
10	256QAM	1	25	15.90	15.81	15.66	15.53	
10	256QAM	1	49	15.97	16.04	15.56	15.81	
10	256QAM	25	0	16.03	15.88	15.59	15.58	17
10	256QAM	25	12	16.15	15.96	15.73	15.83	
10	256QAM	25	25	16.12	15.88	15.87	15.85	
10	256QAM	50	0	16.03	15.87	15.80	15.52	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	20.81	20.96	20.80	20.97	22
5	QPSK	1	12	20.87	20.57	20.26	20.18	
5	QPSK	1	24	20.79	20.82	20.60	20.60	
5	QPSK	12	0	20.03	19.80	19.62	19.78	21
5	QPSK	12	7	20.03	19.91	19.57	19.79	
5	QPSK	12	13	20.03	19.96	19.52	19.75	
5	QPSK	25	0	20.00	19.88	19.56	19.53	
5	16QAM	1	0	19.95	19.90	19.52	19.65	21
5	16QAM	1	12	19.97	19.99	19.73	19.58	
5	16QAM	1	24	19.89	19.78	19.78	19.57	
5	16QAM	12	0	18.97	19.06	18.77	18.55	20
5	16QAM	12	7	18.95	19.04	18.64	18.53	
5	16QAM	12	13	19.05	19.07	18.53	18.50	
5	16QAM	25	0	19.06	18.90	18.58	18.68	
5	64QAM	1	0	18.78	18.77	18.47	18.41	20
5	64QAM	1	12	18.68	18.49	18.43	18.40	
5	64QAM	1	24	18.85	18.79	18.39	18.60	
5	64QAM	12	0	18.01	17.94	17.80	17.72	19
5	64QAM	12	7	18.93	18.96	18.55	18.48	
5	64QAM	12	13	17.93	17.96	17.44	17.66	
5	64QAM	25	0	18.06	17.92	17.51	17.56	
5	256QAM	1	0	15.86	15.79	15.72	15.51	17
5	256QAM	1	12	15.91	15.90	15.64	15.65	
5	256QAM	1	24	15.93	16.01	15.66	15.70	
5	256QAM	12	0	16.13	15.88	15.72	15.56	17
5	256QAM	12	7	16.03	16.04	15.73	15.81	
5	256QAM	12	13	16.12	15.85	15.75	15.66	
5	256QAM	25	0	16.01	16.01	15.93	15.56	



<LTE Band 48_Ant 2_Sensor ON_Tablet Mode>

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)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	11.59	11.51	11.48	11.55	12.5
20	QPSK	1	49	11.53	11.33	11.34	11.53	
20	QPSK	1	99	11.54	11.32	11.34	11.44	
20	QPSK	50	0	11.56	11.53	11.46	11.53	12.5
20	QPSK	50	24	11.54	11.50	11.40	11.51	
20	QPSK	50	50	11.55	11.42	11.40	11.39	
20	QPSK	100	0	11.43	11.33	11.40	11.38	12.5
20	16QAM	1	0	11.39	11.48	11.37	11.51	
20	16QAM	1	49	11.48	11.50	11.30	11.40	
20	16QAM	1	99	11.47	11.32	11.33	11.47	12.5
20	16QAM	50	0	11.57	11.48	11.29	11.44	
20	16QAM	50	24	11.40	11.34	11.39	11.35	
20	16QAM	50	50	11.56	11.48	11.30	11.37	12.5
20	16QAM	100	0	11.44	11.40	11.42	11.54	
20	64QAM	1	0	11.58	11.42	11.47	11.47	
20	64QAM	1	49	11.55	11.42	11.47	11.44	12.5
20	64QAM	1	99	11.39	11.36	11.35	11.50	
20	64QAM	50	0	11.48	11.47	11.32	11.38	
20	64QAM	50	24	11.54	11.40	11.33	11.49	12.5
20	64QAM	50	50	11.58	11.38	11.44	11.35	
20	64QAM	100	0	11.50	11.44	11.29	11.49	
20	256QAM	1	0	11.47	11.37	11.29	11.50	12.5
20	256QAM	1	49	11.54	11.38	11.28	11.53	
20	256QAM	1	99	11.47	11.35	11.37	11.36	
20	256QAM	50	0	11.46	11.49	11.39	11.45	12.5
20	256QAM	50	24	11.44	11.34	11.48	11.50	
20	256QAM	50	50	11.51	11.46	11.41	11.42	
20	256QAM	100	0	11.47	11.39	11.33	11.44	
Channel				55315	55820	56160	56665	Tune-up limit
Frequency (MHz)				3557.5	3608	3642	3692.5	(dBm)
15	QPSK	1	0	11.55	11.42	11.34	11.53	12.5
15	QPSK	1	37	11.52	11.49	11.32	11.35	
15	QPSK	1	74	11.54	11.46	11.38	11.42	
15	QPSK	36	0	11.58	11.46	11.33	11.54	12.5
15	QPSK	36	20	11.49	11.41	11.37	11.46	
15	QPSK	36	39	11.57	11.47	11.43	11.55	
15	QPSK	75	0	11.56	11.35	11.33	11.46	12.5
15	16QAM	1	0	11.58	11.50	11.43	11.35	
15	16QAM	1	37	11.54	11.32	11.38	11.36	
15	16QAM	1	74	11.46	11.40	11.42	11.41	12.5
15	16QAM	36	0	11.48	11.41	11.30	11.35	
15	16QAM	36	20	11.58	11.33	11.42	11.53	
15	16QAM	36	39	11.58	11.38	11.41	11.54	12.5
15	16QAM	75	0	11.58	11.35	11.41	11.43	
15	64QAM	1	0	11.42	11.31	11.47	11.42	
15	64QAM	1	37	11.40	11.32	11.32	11.54	12.5
15	64QAM	1	74	11.50	11.31	11.29	11.53	
15	64QAM	36	0	11.47	11.43	11.32	11.55	
15	64QAM	36	20	11.52	11.38	11.45	11.50	12.5
15	64QAM	36	39	11.43	11.38	11.40	11.50	
15	64QAM	75	0	11.39	11.33	11.38	11.55	
15	256QAM	1	0	11.49	11.34	11.46	11.44	12.5
15	256QAM	1	37	11.47	11.35	11.42	11.41	
15	256QAM	1	74	11.40	11.38	11.36	11.45	
15	256QAM	36	0	11.44	11.32	11.41	11.45	12.5
15	256QAM	36	20	11.53	11.49	11.29	11.47	
15	256QAM	36	39	11.56	11.50	11.46	11.49	



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15	256QAM	75	0	11.50	11.44	11.29	11.51	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	11.44	11.49	11.44	11.54	12.5
10	QPSK	1	25	11.55	11.40	11.41	11.41	
10	QPSK	1	49	11.40	11.49	11.42	11.48	
10	QPSK	25	0	11.54	11.36	11.42	11.43	12.5
10	QPSK	25	12	11.39	11.44	11.47	11.39	
10	QPSK	25	25	11.40	11.34	11.30	11.40	
10	QPSK	50	0	11.47	11.45	11.29	11.50	12.5
10	16QAM	1	0	11.48	11.31	11.42	11.55	
10	16QAM	1	25	11.54	11.35	11.43	11.50	
10	16QAM	1	49	11.48	11.49	11.31	11.36	12.5
10	16QAM	25	0	11.48	11.47	11.33	11.48	
10	16QAM	25	12	11.57	11.42	11.36	11.36	
10	16QAM	25	25	11.44	11.40	11.45	11.46	12.5
10	16QAM	50	0	11.53	11.36	11.31	11.48	
10	64QAM	1	0	11.47	11.40	11.32	11.37	
10	64QAM	1	25	11.57	11.37	11.48	11.47	12.5
10	64QAM	1	49	11.52	11.50	11.34	11.35	
10	64QAM	25	0	11.51	11.31	11.43	11.44	
10	64QAM	25	12	11.42	11.31	11.41	11.36	12.5
10	64QAM	25	25	11.51	11.35	11.48	11.46	
10	64QAM	50	0	11.57	11.40	11.48	11.54	
10	256QAM	1	0	11.42	11.45	11.40	11.52	12.5
10	256QAM	1	25	11.50	11.34	11.30	11.41	
10	256QAM	1	49	11.47	11.48	11.30	11.43	
10	256QAM	25	0	11.41	11.42	11.47	11.35	12.5
10	256QAM	25	12	11.54	11.51	11.36	11.44	
10	256QAM	25	25	11.52	11.38	11.48	11.49	
10	256QAM	50	0	11.58	11.50	11.46	11.51	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	11.41	11.34	11.43	11.38	12.5
5	QPSK	1	12	11.57	11.39	11.33	11.48	
5	QPSK	1	24	11.49	11.45	11.35	11.40	
5	QPSK	12	0	11.45	11.33	11.39	11.53	12.5
5	QPSK	12	7	11.49	11.36	11.47	11.37	
5	QPSK	12	13	11.50	11.44	11.31	11.44	
5	QPSK	25	0	11.47	11.32	11.46	11.37	12.5
5	16QAM	1	0	11.52	11.51	11.29	11.52	
5	16QAM	1	12	11.45	11.47	11.47	11.45	
5	16QAM	1	24	11.58	11.37	11.35	11.36	12.5
5	16QAM	12	0	11.50	11.49	11.40	11.47	
5	16QAM	12	7	11.52	11.38	11.36	11.36	
5	16QAM	12	13	11.43	11.34	11.35	11.47	12.5
5	16QAM	25	0	11.52	11.45	11.47	11.48	
5	64QAM	1	0	11.53	11.47	11.35	11.48	
5	64QAM	1	12	11.48	11.37	11.48	11.36	12.5
5	64QAM	1	24	11.52	11.35	11.39	11.53	
5	64QAM	12	0	11.51	11.31	11.45	11.43	
5	64QAM	12	7	11.53	11.38	11.43	11.42	12.5
5	64QAM	12	13	11.50	11.47	11.35	11.47	
5	64QAM	25	0	11.57	11.45	11.33	11.46	
5	256QAM	1	0	11.52	11.47	11.33	11.47	12.5
5	256QAM	1	12	11.39	11.37	11.32	11.52	
5	256QAM	1	24	11.55	11.38	11.38	11.40	
5	256QAM	12	0	11.41	11.37	11.37	11.42	12.5
5	256QAM	12	7	11.43	11.45	11.42	11.55	
5	256QAM	12	13	11.55	11.48	11.29	11.48	
5	256QAM	25	0	11.54	11.47	11.40	11.45	



<LTE Band 48_Ant 2_Sensor ON_Laptop Mode>

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)
Channel				55340	55830	56150	56640	20
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	18.97	18.89	18.81	18.83	20
20	QPSK	1	49	18.71	18.56	18.52	18.47	
20	QPSK	1	99	18.78	18.67	18.60	18.61	
20	QPSK	50	0	18.83	18.73	18.65	18.68	20
20	QPSK	50	24	18.81	18.72	18.57	18.67	
20	QPSK	50	50	18.75	18.66	18.56	18.52	
20	QPSK	100	0	18.84	18.72	18.61	18.70	20
20	16QAM	1	0	18.92	18.81	18.73	18.68	
20	16QAM	1	49	18.88	18.72	18.72	18.70	
20	16QAM	1	99	18.80	18.63	18.58	18.61	20
20	16QAM	50	0	18.83	18.70	18.62	18.62	
20	16QAM	50	24	18.87	18.73	18.63	18.64	
20	16QAM	50	50	18.77	18.65	18.60	18.53	20
20	16QAM	100	0	18.76	18.60	18.60	18.57	
20	64QAM	1	0	18.63	18.46	18.38	18.48	
20	64QAM	1	49	18.64	18.49	18.42	18.45	20
20	64QAM	1	99	18.65	18.49	18.39	18.42	
20	64QAM	50	0	17.84	17.69	17.65	17.66	
20	64QAM	50	24	17.80	17.64	17.55	17.57	19
20	64QAM	50	50	17.77	17.69	17.61	17.59	
20	64QAM	100	0	17.86	17.74	17.60	17.68	
20	256QAM	1	0	16.23	16.13	15.97	16.05	17.5
20	256QAM	1	49	16.22	16.11	16.04	16.08	
20	256QAM	1	99	16.17	16.08	15.95	16.01	
20	256QAM	50	0	15.90	15.76	15.64	15.68	17.5
20	256QAM	50	24	15.95	15.77	15.74	15.77	
20	256QAM	50	50	15.81	15.64	15.62	15.66	
20	256QAM	100	0	15.85	15.74	15.68	15.67	17.5
Channel				55315	55820	56160	56665	
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	18.95	18.80	18.79	18.83	20
15	QPSK	1	37	18.57	18.54	18.39	18.41	
15	QPSK	1	74	18.69	18.60	18.53	18.49	
15	QPSK	36	0	18.80	18.64	18.57	18.58	20
15	QPSK	36	20	18.71	18.53	18.58	18.56	
15	QPSK	36	39	18.73	18.63	18.39	18.51	
15	QPSK	75	0	18.67	18.69	18.65	18.56	20
15	16QAM	1	0	18.77	18.72	18.67	18.69	
15	16QAM	1	37	18.70	18.74	18.59	18.60	
15	16QAM	1	74	18.70	18.62	18.54	18.64	20
15	16QAM	36	0	18.73	18.65	18.56	18.66	
15	16QAM	36	20	18.81	18.70	18.54	18.60	
15	16QAM	36	39	18.58	18.67	18.56	18.47	20
15	16QAM	75	0	18.63	18.57	18.54	18.44	
15	64QAM	1	0	18.48	18.54	18.44	18.38	
15	64QAM	1	37	18.60	18.46	18.33	18.34	20
15	64QAM	1	74	18.56	18.49	18.31	18.35	
15	64QAM	36	0	17.79	17.64	17.54	17.61	
15	64QAM	36	20	17.75	17.58	17.58	17.61	19
15	64QAM	36	39	17.66	17.61	17.48	17.47	
15	64QAM	75	0	17.78	17.62	17.64	17.56	
15	256QAM	1	0	16.19	15.99	15.99	15.97	17.5
15	256QAM	1	37	16.08	16.06	15.96	16.01	
15	256QAM	1	74	16.09	15.95	15.89	15.88	
15	256QAM	36	0	15.83	15.63	15.70	15.65	17.5
15	256QAM	36	20	15.83	15.78	15.67	15.64	
15	256QAM	36	39	15.68	15.64	15.59	15.55	



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15	256QAM	75	0	15.80	15.77	15.62	15.58	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	18.94	18.85	18.71	18.79	20
10	QPSK	1	25	18.61	18.55	18.48	18.49	
10	QPSK	1	49	18.69	18.63	18.54	18.61	
10	QPSK	25	0	18.78	18.72	18.62	18.63	20
10	QPSK	25	12	18.70	18.67	18.63	18.61	
10	QPSK	25	25	18.57	18.60	18.49	18.60	
10	QPSK	50	0	18.74	18.72	18.59	18.62	20
10	16QAM	1	0	18.77	18.73	18.60	18.66	
10	16QAM	1	25	18.73	18.79	18.58	18.60	
10	16QAM	1	49	18.69	18.61	18.59	18.60	20
10	16QAM	25	0	18.77	18.65	18.52	18.65	
10	16QAM	25	12	18.81	18.66	18.60	18.59	
10	16QAM	25	25	18.65	18.60	18.49	18.45	20
10	16QAM	50	0	18.60	18.49	18.41	18.49	
10	64QAM	1	0	18.45	18.54	18.42	18.36	
10	64QAM	1	25	18.54	18.45	18.36	18.40	20
10	64QAM	1	49	18.61	18.45	18.40	18.41	
10	64QAM	25	0	17.67	17.62	17.61	17.60	
10	64QAM	25	12	17.60	17.57	17.61	17.56	19
10	64QAM	25	25	17.73	17.64	17.53	17.50	
10	64QAM	50	0	17.78	17.61	17.59	17.69	
10	256QAM	1	0	16.07	16.11	16.00	16.00	17.5
10	256QAM	1	25	16.19	16.10	15.95	15.99	
10	256QAM	1	49	16.00	16.05	15.96	16.01	
10	256QAM	25	0	15.85	15.72	15.72	15.63	17.5
10	256QAM	25	12	15.83	15.73	15.61	15.77	
10	256QAM	25	25	15.71	15.71	15.54	15.58	
10	256QAM	50	0	15.76	15.61	15.60	15.57	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	18.95	18.89	18.78	18.73	20
5	QPSK	1	12	18.64	18.48	18.38	18.52	
5	QPSK	1	24	18.69	18.62	18.50	18.57	
5	QPSK	12	0	18.72	18.59	18.65	18.54	20
5	QPSK	12	7	18.71	18.60	18.55	18.57	
5	QPSK	12	13	18.72	18.61	18.53	18.46	
5	QPSK	25	0	18.81	18.69	18.61	18.56	20
5	16QAM	1	0	18.80	18.75	18.65	18.67	
5	16QAM	1	12	18.85	18.76	18.58	18.66	
5	16QAM	1	24	18.72	18.57	18.46	18.57	20
5	16QAM	12	0	18.77	18.63	18.60	18.52	
5	16QAM	12	7	18.71	18.73	18.60	18.65	
5	16QAM	12	13	18.61	18.60	18.51	18.55	20
5	16QAM	25	0	18.74	18.54	18.54	18.56	
5	64QAM	1	0	18.56	18.42	18.35	18.35	
5	64QAM	1	12	18.55	18.50	18.37	18.43	20
5	64QAM	1	24	18.57	18.48	18.47	18.32	
5	64QAM	12	0	17.80	17.65	17.50	17.68	
5	64QAM	12	7	17.72	17.57	17.47	17.61	19
5	64QAM	12	13	17.63	17.60	17.52	17.53	
5	64QAM	25	0	17.71	17.65	17.59	17.65	
5	256QAM	1	0	16.15	16.11	15.99	16.01	17.5
5	256QAM	1	12	16.18	16.09	16.01	15.96	
5	256QAM	1	24	16.04	16.01	15.98	15.94	
5	256QAM	12	0	15.78	15.70	15.62	15.57	17.5
5	256QAM	12	7	15.87	15.77	15.76	15.69	
5	256QAM	12	13	15.74	15.72	15.55	15.63	
5	256QAM	25	0	15.73	15.69	15.60	15.62	



<LTE Carrier Aggregation combinations>

General Note:

1. This device supports Carrier Aggregation on downlink only for inter and intra band. For the device supports combination bands and configurations are according to 3GPP.
2. In applying the existing power measurement procedure of KDB 941225 D05A for DL CA SAR test exclusion, only the subset with the largest number of combinations of the frequency band and CCs in each row need consideration, and that configurations require power measurement should be highlighted in the below table.

2CC Downlink Carrier Aggregation			3CC Downlink Carrier Aggregation		
Number	Combination	Covered by Measurement Superset	Number	Combination	Covered by Measurement Superset
1	CA_2C	526	88	CA_48D	540
2	CA_5B	532	89	CA_66D	540
3	CA_7B	534	90	CA_25A-25A-25A	537
4	CA_7C	534	91	CA_48A-48A-48A	540
5	CA_12B	529	92	CA_48A-48C	540
6	CA_43C	18	93	CA_66A-66A-66A	540
7	CA_48B	540	94	CA_66A-66B	540
8	CA_48C	540	95	CA_66A-66C	540
9	CA_66B	540	96	CA_2A-2A-4A	372
10	CA_66C	540	97	CA_2A-2A-5A	511
11	CA_2A-2A	526	98	CA_2A-2A-7A	515
12	CA_3A-3A		99	CA_2A-2A-12A	516
13	CA_4A-4A	527	100	CA_2A-2A-13A	521
14	CA_5A-5A	532	101	CA_2A-2A-14A	504
15	CA_7A-7A	534	102	CA_2A-2A-29A	505
16	CA_12A-12A	529	103	CA_2A-2A-30A	506
17	CA_25A-25A	537	104	CA_2A-2A-46A	525
18	CA_43A-43A		105	CA_2A-2A-66A	526
19	CA_48A-48A	540	106	CA_2A-2A-71A	414
20	CA_66A-66A	540	107	CA_2A-4A-4A	372
21	CA_2A-4A	372	108	CA_2A-5B	511
22	CA_2A-5A	511	109	CA_2C-5A	511
23	CA_2A-7A	515	110	CA_2A-7A-7A	515
24	CA_2A-12A	516	111	CA_2A-7C	515
25	CA_2A-13A	521	112	CA_2A-12A-12A	516
26	CA_2A-14A	504	113	CA_2A-12B	516
27	CA_2A-26A	233	114	CA_2C-12A	516
28	CA_2A-29A	505	115	CA_2C-29A	505
29	CA_2A-30A	506	116	CA_2C-30A	506
30	CA_2A-46A	525	117	CA_2A-46A-46A	525
31	CA_2A-48A	526	118	CA_2A-46C	525
32	CA_2A-66A	526	119	CA_2A-48A-48A	526
33	CA_2A-71A	414	120	CA_2A-48C	526
34	CA_4A-5A	527	121	CA_2A-66A-66A	526
35	CA_4A-12A	419	122	CA_2A-66B	526
36	CA_4A-13A	242	123	CA_2A-66C	526
37	CA_4A-29A	418	124	CA_2C-66A	526
38	CA_4A-30A	527	125	CA_4A-4A-5A	527
39	CA_4A-46A	466	126	CA_4A-4A-7A	371
40	CA_4A-48A	467	127	CA_4A-4A-12A	419
41	CA_4A-71A	350	128	CA_4A-4A-13A	242
42	CA_5A-7A	528	129	CA_4A-4A-29A	418
43	CA_5A-12A	529	130	CA_4A-4A-30A	527
44	CA_5A-13A	242	131	CA_4A-4A-71A	350



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45	CA_5A-25A		132	CA_4A-5B	527
46	CA_5A-29A	243	133	CA_4A-7A-7A	371
47	CA_5A-30A	530	134	CA_4A-7C	371
48	CA_5A-38A		135	CA_4A-12A-12A	419
49	CA_5A-41A		136	CA_4A-12B	419
50	CA_5A-46A	531	137	CA_4A-46A-46A	466
51	CA_5A-48A	532	138	CA_4A-46C	466
52	CA_5A-66A	532	139	CA_4A-48C	467
53	CA_7A-12A	436	140	CA_5A-5A-66A	532
54	CA_7A-13A	498	141	CA_5A-7A-7A	528
55	CA_7A-25A	534	142	CA_5A-7C	528
56	CA_7A-26A	258	143	CA_5A-12B	529
57	CA_7A-29A	440	144	CA_5B-30A	530
58	CA_7A-46A	528	145	CA_5A-46C	531
59	CA_7A-66A	534	146	CA_5B-46A	531
60	CA_12A-25A		147	CA_5A-48C	532
61	CA_12A-30A	441	148	CA_5A-66A-66A	532
62	CA_12A-46A	529	149	CA_5A-66B	532
63	CA_12A-48A	426	150	CA_5A-66C	532
64	CA_12A-66A	516	151	CA_5B-66A	532
65	CA_13A-46A	535	152	CA_7A-7A-13A	498
66	CA_13A-48A	536	153	CA_7A-7A-25A	534
67	CA_13A-66A	536	154	CA_7A-7A-26A	258
68	CA_14A-30A	448	155	CA_7A-7A-29A	440
69	CA_14A-66A	504	156	CA_7A-7A-46A	528
70	CA_25A-26A	537	157	CA_7A-7A-66A	534
71	CA_25A-41A	537	158	CA_7A-12B	436
72	CA_25A-46A	330	159	CA_7C-13A	498
73	CA_25A-66A	534	160	CA_7A-25A-25A	534
74	CA_26A-41A	537	161	CA_7C-25A	534
75	CA_26A-46A		162	CA_7C-29A	440
76	CA_29A-30A	451	163	CA_7A-46C	528
77	CA_29A-66A	505	164	CA_7C-46A	528
78	CA_30A-66A	530	165	CA_7A-66A-66A	534
79	CA_38A-40A	188	166	CA_7C-66A	534
80	CA_40A-41A		167	CA_12A-46C	529
81	CA_41A-46A	484	168	CA_12A-48C	426
82	CA_41A-48A	335	169	CA_12A-66A-66A	516
83	CA_46A-66A	540	170	CA_12A-66C	516
84	CA_46A-71A	339	171	CA_12B-66A	516
85	CA_48A-66A	540	172	CA_13A-46A-46A	535
86	CA_48A-71A	203	173	CA_13A-46C	535
87	CA_66A-71A	414	174	CA_13A-48A-48A	536
			175	CA_13A-48C	536
			176	CA_13A-66A-66A	536
			177	CA_13A-66B	536
			178	CA_13A-66C	536
			179	CA_14A-66A-66A	504
			180	CA_25A-25A-26A	537
			181	CA_25A-25A-41A	537
			182	CA_25A-25A-66A	534
			183	CA_25A-41C	537
			184	CA_25A-46C	330
			185	CA_26A-41C	537
			186	CA_29A-66A-66A	505
			187	CA_30A-66A-66A	530



			188	CA_38A-40C	
			189	CA_41A-42A-42A	483
			190	CA_41A-46C	484
			191	CA_41A-48C	335
			192	CA_46A-46A-66A	540
			193	CA_46A-66A-66A	540
			194	CA_46A-66C	540
			195	CA_46C-66A	540
			196	CA_46C-71A	339
			197	CA_48A-48A-66A	540
			198	CA_48A-48A-71A	203
			199	CA_48A-66A-66A	540
			200	CA_48A-66B	540
			201	CA_48A-66C	540
			202	CA_48C-66A	540
			203	CA_48C-71A	
			204	CA_66A-66A-71A	414
			205	CA_66C-71A	414
			206	CA_2A-4A-5A	369
			207	CA_2A-4A-12A	372
			208	CA_2A-4A-13A	
			209	CA_2A-4A-29A	
			210	CA_2A-4A-30A	
			211	CA_2A-4A-71A	350
			212	CA_2A-5A-7A	374
			213	CA_2A-5A-12A	375
			214	CA_2A-5A-13A	
			215	CA_2A-5A-29A	
			216	CA_2A-5A-30A	506
			217	CA_2A-5A-46A	507
			218	CA_2A-5A-48A	508
			219	CA_2A-5A-66A	511
			220	CA_2A-7A-12A	388
			221	CA_2A-7A-13A	498
			222	CA_2A-7A-26A	
			223	CA_2A-7A-29A	390
			224	CA_2A-7A-46A	514
			225	CA_2A-7A-66A	515
			226	CA_2A-12A-30A	394
			227	CA_2A-12A-66A	516
			228	CA_2A-13A-46A	517
			229	CA_2A-13A-48A	518
			230	CA_2A-13A-66A	521
			231	CA_2A-14A-30A	361
			232	CA_2A-14A-66A	504
			233	CA_2A-26A-66A	
			234	CA_2A-29A-30A	404
			235	CA_2A-29A-66A	505
			236	CA_2A-30A-66A	406
			237	CA_2A-46A-48A	524
			238	CA_2A-46A-66A	525
			239	CA_2A-48A-66A	526
			240	CA_2A-66A-71A	414
			241	CA_4A-5A-12A	419
			242	CA_4A-5A-13A	
			243	CA_4A-5A-29A	



			244	CA_4A-5A-30A	527
			245	CA_4A-7A-12A	
			246	CA_4A-12A-30A	417
			247	CA_4A-29A-30A	418
			248	CA_5A-7A-46A	528
			249	CA_5A-7A-66A	424
			250	CA_5A-12A-46A	529
			251	CA_5A-12A-66A	
			252	CA_5A-30A-66A	530
			253	CA_5A-46A-66A	531
			254	CA_5A-48A-66A	532
			255	CA_7A-12A-66A	436
			256	CA_7A-13A-66A	437
			257	CA_7A-25A-66A	534
			258	CA_7A-26A-66A	
			259	CA_7A-29A-66A	440
			260	CA_7A-46A-66A	
			261	CA_12A-30A-66A	441
			262	CA_13A-46A-66A	535
			263	CA_13A-48A-66A	536
			264	CA_14A-30A-66A	448
			265	CA_25A-26A-41A	537
			266	CA_29A-30A-66A	451
			267	CA_29A-46A-66A	
			268	CA_46A-48A-66A	540

4CC Downlink Carrier Aggregation			5CC Downlink Carrier Aggregation		
Number	Combination	Covered by Measurement Superset	Number	Combination	Covered by Measurement Superset
269	CA_48E	540	454	CA_48F	540
270	CA_41A-41A-41C	537	455	CA_41C-41D	537
271	CA_48A-48D	540	456	CA_48A-48E	540
272	CA_48C-48C	540	457	CA_48C-48D	540
273	CA_2A-2A-4A-4A	372	458	CA_2A-2A-46D	525
274	CA_2A-2A-5B	511	459	CA_2A-2A-66A-66B	526
275	CA_2A-2A-7A-7A	515	460	CA_2A-2A-66A-66C	526
276	CA_2A-2A-7C	515	461	CA_2A-46A-46D	525
277	CA_2A-2A-12A-12A	516	462	CA_2A-46E	525
278	CA_2A-2A-12B	516	463	CA_2A-48A-48D	526
279	CA_2A-2A-46C	525	464	CA_2A-48C-48C	526
280	CA_2A-2A-66A-66A	526	465	CA_2A-48E	526
281	CA_2A-2A-66B	526	466	CA_4A-46A-46D	
282	CA_2A-2A-66C	526	467	CA_4A-48E	
283	CA_2A-46A-46C	525	468	CA_5A-46E	531
284	CA_2A-46D	525	469	CA_5B-46D	531
285	CA_2A-48A-48C	526	470	CA_5B-66A-66B	532
286	CA_2A-48D	526	471	CA_5B-66A-66C	532
287	CA_2A-66A-66A-66A	526	472	CA_7A-7A-46D	528
288	CA_2A-66A-66B	526	473	CA_7A-46E	528
289	CA_2A-66A-66C	526	474	CA_7C-46D	528
290	CA_2C-66A-66A	526	475	CA_12A-46E	529
291	CA_2A-66D	526	476	CA_13A-46A-46D	535
292	CA_4A-4A-5B	527	477	CA_13A-46E	535
293	CA_4A-4A-12A-12A	419	478	CA_13A-48A-48D	536
294	CA_4A-4A-12B	419	479	CA_13A-48C-48C	536
295	CA_4A-46A-46C	466	480	CA_13A-48E	536



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296	CA_4A-46D	466	481	CA_25A-25A-41D	537
297	CA_4A-48D	467	482	CA_25A-41E	537
298	CA_5A-5A-66A-66A	532	483	CA_41D-42C	
299	CA_5A-5A-66B	532	484	CA_41A-46E	
300	CA_5A-5A-66C	532	485	CA_46A-46D-66A	540
301	CA_5A-46D	531	486	CA_46D-66A-66A	540
302	CA_5B-46C	531	487	CA_46E-66A	540
303	CA_5A-48D	532	488	CA_48A-48C-66B	540
304	CA_5A-66A-66B	532	489	CA_48A-48C-66C	540
305	CA_5A-66A-66C	532	490	CA_48A-48D-66A	540
306	CA_5B-66A-66A	532	491	CA_48C-48C-66A	540
307	CA_5A-66D	532	492	CA_48E-66A	540
308	CA_5B-66B	532	493	CA_2A-2A-5A-66A-66A	511
309	CA_5B-66C	532	494	CA_2A-2A-5A-66B	511
310	CA_7A-7A-25A-25A	534	495	CA_2A-2A-5A-66C	511
311	CA_7A-7A-46C	528	496	CA_2A-2A-5B-66A	511
312	CA_7A-7A-66A-66A	534	497	CA_2A-2A-7A-7A-13A	498
313	CA_7C-25A-25A	534	498	CA_2A-2A-7C-13A	
314	CA_7A-46D	528	499	CA_2A-2A-7A-66A-66A	515
315	CA_7C-46C	528	500	CA_2A-2A-12A-66A-66A	516
316	CA_7C-66A-66A	534	501	CA_2A-2A-12B-66A	516
317	CA_12A-46D	529	502	CA_2A-2A-13A-66A-66A	521
318	CA_12A-48D	426	503	CA_2A-2A-13A-66B	521
319	CA_12B-66A-66A	516	504	CA_2A-2A-14A-66A-66A	
320	CA_13A-46A-46C	535	505	CA_2A-2A-29A-66A-66A	
321	CA_13A-46D	535	506	CA_2C-5B-30A	
322	CA_13A-48A-48C	536	507	CA_2A-5A-46D	
323	CA_13A-48D	536	508	CA_2A-5A-48D	
324	CA_13A-66A-66B	536	509	CA_2A-5B-66A-66A	511
325	CA_13A-66A-66C	536	510	CA_2A-5B-66B	511
326	CA_13A-66D	536	511	CA_2A-5B-66C	
327	CA_14A-66A-66A-66A	504	512	CA_2A-7A-7A-46C	514
328	CA_25A-25A-41C	537	513	CA_2A-7A-7A-66A-66A	515
329	CA_25A-41D	537	514	CA_2A-7A-46D	
330	CA_25A-46D		515	CA_2A-7C-66A-66A	
331	CA_40A-40A-42C		516	CA_2A-12B-66A-66A	
332	CA_41A-42D	483	517	CA_2A-13A-46D	
333	CA_41D-42A	483	518	CA_2A-13A-48D	
334	CA_41A-46D	484	519	CA_2A-13A-66A-66B	521
335	CA_41A-48D		520	CA_2A-13A-66A-66C	521
336	CA_46A-46C-66A	540	521	CA_2A-13A-66D	
337	CA_46C-66A-66A	540	522	CA_2A-46A-48D	524
338	CA_46D-66A	540	523	CA_2A-46C-48C	524
339	CA_46D-71A		524	CA_2A-46D-48A	
340	CA_48A-48A-66A-66A	540	525	CA_2A-46D-66A	
341	CA_48A-48A-66B	540	526	CA_2A-48D-66A	
342	CA_48A-48A-66C	540	527	CA_4A-4A-5B-30A	
343	CA_48A-48C-66A	540	528	CA_5A-7A-46D	
344	CA_48C-66A-66A	540	529	CA_5A-12A-46D	
345	CA_48C-66B	540	530	CA_5B-30A-66A-66A	
346	CA_48C-66C	540	531	CA_5A-46D-66A	
347	CA_48D-66A	540	532	CA_5A-48D-66A	
348	CA_2A-2A-4A-5A	369	533	CA_7A-7A-25A-25A-66A	534
349	CA_2A-2A-4A-12A	372	534	CA_7C-25A-25A-66A	
350	CA_2A-2A-4A-71A		535	CA_13A-46D-66A	
351	CA_2A-2A-5A-7A	374	536	CA_13A-48D-66A	



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352	CA_2A-2A-5A-12A	375	537	CA_25A-25A-26A-41C	
353	CA_2A-2A-5A-30A	506	538	CA_46A-48D-66A	540
354	CA_2A-2A-5A-66A	511	539	CA_46C-48C-66A	540
355	CA_2A-2A-7A-12A	388	540	CA_46D-48A-66A	
356	CA_2A-2A-7A-13A	498			
357	CA_2A-2A-7A-66A	515			
358	CA_2A-2A-12A-30A	394			
359	CA_2A-2A-12A-66A	516			
360	CA_2A-2A-13A-66A	521			
361	CA_2A-2A-14A-30A				
362	CA_2A-2A-14A-66A	504			
363	CA_2A-2A-29A-30A	404			
364	CA_2A-2A-29A-66A	505			
365	CA_2A-2A-30A-66A	406			
366	CA_2A-2A-66A-71A	414			
367	CA_2A-4A-4A-5A	369			
368	CA_2A-4A-4A-12A	372			
369	CA_2A-4A-5B				
370	CA_2A-4A-7A-7A	371			
371	CA_2A-4A-7C				
372	CA_2A-4A-12B				
373	CA_2A-5A-7A-7A	374			
374	CA_2A-5A-7C				
375	CA_2A-5A-12B				
376	CA_2A-5B-30A	506			
377	CA_2C-5A-30A	506			
378	CA_2A-5A-46C	507			
379	CA_2A-5A-48C	508			
380	CA_2A-5A-66A-66A	511			
381	CA_2A-5A-66B	511			
382	CA_2A-5A-66C	511			
383	CA_2A-5B-66A	511			
384	CA_2A-7A-7A-13A	498			
385	CA_2A-7A-7A-29A	390			
386	CA_2A-7A-7A-46A	514			
387	CA_2A-7A-7A-66A	515			
388	CA_2A-7A-12B				
389	CA_2A-7C-13A	498			
390	CA_2A-7C-29A				
391	CA_2A-7A-46C	514			
392	CA_2A-7A-66A-66A	515			
393	CA_2A-7C-66A	515			
394	CA_2C-12A-30A				
395	CA_2A-12A-66A-66A	516			
396	CA_2A-12A-66C	516			
397	CA_2A-12B-66A	516			
398	CA_2A-13A-46C	517			
399	CA_2A-13A-48C	518			
400	CA_2A-13A-66A-66A	521			
401	CA_2A-13A-66B	521			
402	CA_2A-13A-66C	521			
403	CA_2A-14A-66A-66A	504			
404	CA_2C-29A-30A				
405	CA_2A-29A-66A-66A	505			
406	CA_2A-30A-66A-66A				
407	CA_2A-46A-48C	524			



408	CA_2A-46C-48A	524		
409	CA_2A-46A-66A-66A	525		
410	CA_2A-46C-66A	525		
411	CA_2A-48A-66A-66A	526		
412	CA_2A-48C-66A	526		
413	CA_2A-66A-66A-71A	414		
414	CA_2A-66C-71A			
415	CA_4A-4A-5A-12A	419		
416	CA_4A-4A-5A-30A	527		
417	CA_4A-4A-12A-30A			
418	CA_4A-4A-29A-30A			
419	CA_4A-5A-12B			
420	CA_4A-5B-30A	527		
421	CA_5A-7A-7A-66A	424		
422	CA_5A-7A-46C	528		
423	CA_5A-7A-66A-66A	424		
424	CA_5A-7C-66A			
425	CA_5A-12A-46C	529		
426	CA_5A-12A-48C			
427	CA_5A-30A-66A-66A	530		
428	CA_5B-30A-66A	530		
429	CA_5A-46C-66A	531		
430	CA_5A-48A-66A-66A	532		
431	CA_5A-48C-66A	532		
432	CA_7A-7A-13A-66A	437		
433	CA_7A-7A-25A-66A	534		
434	CA_7A-7A-29A-66A	440		
435	CA_7A-12A-66A-66A	436		
436	CA_7A-12B-66A			
437	CA_7C-13A-66A			
438	CA_7A-25A-25A-66A	534		
439	CA_7C-25A-66A	534		
440	CA_7C-29A-66A			
441	CA_12A-30A-66A-66A			
442	CA_13A-46A-66A-66A	535		
443	CA_13A-46C-66A	535		
444	CA_13A-48A-66A-66A	536		
445	CA_13A-48A-66B	536		
446	CA_13A-48A-66C	536		
447	CA_13A-48C-66A	536		
448	CA_14A-30A-66A-66A			
449	CA_25A-25A-26A-41A	537		
450	CA_25A-26A-41C	537		
451	CA_29A-30A-66A-66A			
452	CA_46A-48C-66A	540		
453	CA_46C-48A-66A	540		

<Power verification when LTE Carrier Aggregation Active>

General Note:

- 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 two 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 non-contiguous intra-band CA, the SCC selected to provide maximum separation from the PCC and must remain fully within the downlink transmission band.
- vi. 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.

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

<Two Carrier power verification>

Configure	PCC							SCC				Power	
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	5	10	836.5	20525	QPSK	1	0	25	20	1960	8340	23.13	23.29
	5	10	836.5	20525	QPSK	1	0	38	20	2595	38000	23.10	23.29
	5	10	836.5	20525	QPSK	1	0	41	20	2593	40620	23.17	23.29
	12	10	707.5	23095	QPSK	1	0	25	20	1960	8340	23.08	23.22
	26	15	831.5	26865	QPSK	1	0	46	20	5537.5	50665	23.23	23.40
	41	20	2593	40620	QPSK	1	0	48	20	3641	56150	23.01	23.13
	43	20	3650	44090	QPSK	1	0	43	5	3697.5	44565	21.62	21.63



<Three Carrier power verification>

Configure	PCC							SCC1				SCC2				Power	
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	13	10	751	5230	22.91	23.11
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	29	10	722.5	9715	22.92	23.11
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	30	10	2355	9820	22.93	23.11
	2	20	1860	18700	QPSK	1	0	5	10	881.5	2525	13	10	751	5230	23.10	23.11
	2	20	1860	18700	QPSK	1	0	5	10	881.5	2525	29	10	722.5	9715	23.08	23.11
	2	20	1860	18700	QPSK	1	0	7	20	2655	3100	26	15	876.5	8865	22.94	23.11
	2	20	1860	18900	QPSK	1	0	26	15	876.5	8865	66	20	2155	66886	22.94	23.11
	4	20	1720	20050	QPSK	1	0	5	10	881.5	2525	13	10	751	5230	23.36	23.45
	4	20	1720	20050	QPSK	1	0	5	10	881.5	2525	29	10	722.5	9715	23.25	23.45
	4	20	1720	20050	QPSK	1	0	7	20	2655	3100	12	10	737.5	5095	23.38	23.45
	5	10	836.5	20525	QPSK	1	0	5	10	881.5	2525	12	10	737.5	5095	23.16	23.29
	7	20	2560	21350	QPSK	1	0	26	15	876.5	8865	66	20	2155	66886	22.82	22.98
	7	20	2560	21350	QPSK	1	0	46	20	5537.5	50665	66	20	2155	66886	22.93	22.98
	66	20	1745	132322	QPSK	1	0	29	10	722.5	9715	46	20	5537.5	50665	23.30	23.50
	48	20	3641	56150	QPSK	1	0	48	20	3660.8	56348	71	20	634.5	68761	21.48	21.68

<Four Carrier power verification>

Configure	PCC							SCC1				SCC2				SCC3				Power	
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	2	20	1860	18900	QPSK	1	0	2	5	1987.5	1175	4	20	2132.5	2175	71	20	634.5	68761	23.03	23.11
	2	20	1860	18900	QPSK	1	0	7	20	2655	3100	12	5	737.5	5095	12	10	744.7	5162	22.96	23.11
	2	20	1860	18900	QPSK	1	0	2	5	1987.5	1175	14	10	763	5330	30	10	2355	9820	23.06	23.11
	2	20	1860	18900	QPSK	1	0	4	20	2132.5	2175	5	10	881.5	2525	5	10	891.4	2624	23.02	23.11
	2	20	1860	18900	QPSK	1	0	4	20	2132.5	2175	7	20	2655	3100	7	20	2635.2	2902	23.03	23.11
	2	20	1860	18900	QPSK	1	0	4	20	2132.5	2175	12	5	737.5	5095	12	10	744.7	5162	23.05	23.11
	2	20	1860	18900	QPSK	1	0	5	10	881.5	2525	7	20	2655	3100	7	20	2635.2	2902	22.99	23.11
	2	20	1860	18900	QPSK	1	0	5	10	881.5	2525	12	5	737.5	5095	12	10	744.7	5162	23.01	23.11
	2	20	1860	18900	QPSK	1	0	7	20	2655	3100	12	5	737.5	5095	12	10	744.7	5162	23.09	23.11
	2	20	1860	18900	QPSK	1	0	7	20	2655	3100	7	20	2635.2	2902	7	20	2635.2	2902	22.92	23.11
	2	20	1860	18900	QPSK	1	0	2	20	1860.2	702	12	10	737.5	5095	30	10	2355	9820	22.97	23.11
	2	20	1860	18900	QPSK	1	0	2	20	1860.2	702	29	10	722.5	9715	30	10	2355	9820	22.95	23.11
	2	20	1860	18900	QPSK	1	0	30	10	2355	9820	66	20	2155	66886	66	5	2197.5	67311	22.91	23.11
	2	20	1860	18900	QPSK	1	0	66	20	2155	66886	66	20	2174.8	67084	71	20	634.5	68761	23.02	23.11
	4	20	1720	20050	QPSK	1	0	4	5	2112.5	1975	12	10	737.5	5095	30	10	2355	9820	23.43	23.45
	4	20	1720	20050	QPSK	1	0	4	5	2112.5	1975	29	10	722.5	9715	30	10	2355	9820	23.31	23.45
	4	20	1720	20050	QPSK	1	0	5	10	881.5	2525	12	5	737.5	5095	12	10	744.7	5162	23.33	23.45
	5	10	836.5	20525	QPSK	1	0	7	20	2655	3100	7	20	2635.2	2902	66	20	2155	66886	23.16	23.29
	5	10	836.5	20525	QPSK	1	0	12	10	737.5	5095	48	20	3641	56150	48	20	3621.2	55952	23.24	23.29
	5	10	836.5	20525	QPSK	1	0	48	20	3641	56150	48	20	3660.8	56348	66	20	2155	66886	23.10	23.29
	7	20	2560	21350	QPSK	1	0	7	20	2540.2	3152	13	10	751	5230	66	20	2155	66886	22.89	22.98
	7	20	2560	21350	QPSK	1	0	7	20	2540.2	3152	29	10	722.5	9715	66	20	2155	66886	22.80	22.98
	12	10	707.5	23095	QPSK	1	0	30	10	2355	9820	66	20	2155	66886	66	5	2197.5	67311	23.21	23.22
	14	10	793	23330	QPSK	1	0	30	10	2355	9820	66	20	2155	66886	66	5	2197.5	67311	23.35	23.37
	25	20	1860	26140	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	23.15	23.18
	30	10	2310	27710	QPSK	1	0	29	10	722.5	9715	66	20	2155	66886	66	5	2197.5	67311	21.77	21.90
	71	20	680.5	133297	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	23.20	23.40



<Five Carrier power verification>

Configure	PCC							SCC1				SCC2				SCC3				SCC4				Power				
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)
Inter-Band	2	20	1860	18900	QPSK	1	0	2	5	1987.5	1175	7	20	2655	3100	7	20	2635.2	2902	13	10	751	5230	23.03	23.11			
	2	20	1860	18900	QPSK	1	0	2	5	1987.5	1175	14	10	763	5330	66	20	2155	66886	66	5	2197.5	67311	23.03	23.11			
	2	20	1860	18900	QPSK	1	0	2	5	1987.5	1175	29	10	722.5	9715	66	20	2155	66886	66	5	2197.5	67311	22.99	23.11			
	2	20	1860	18900	QPSK	1	0	5	10	881.5	2525	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	23.11	23.11			
	2	20	1860	18900	QPSK	1	0	5	10	881.5	2525	48	20	3641	56150	48	20	3621.2	55952	48	20	3601.4	55754	23.08	23.11			
	2	20	1860	18900	QPSK	1	0	2	20	1879.8	1098	5	10	881.5	2525	5	10	891.4	2624	30	10	2355	9820	23.00	23.11			
	2	20	1860	18900	QPSK	1	0	5	10	881.5	2525	5	10	891.4	2624	66	20	2155	66886	66	20	2135.2	66688	23.00	23.11			
	2	20	1860	18900	QPSK	1	0	7	20	2655	3100	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	23.03	23.11			
	2	20	1860	18900	QPSK	1	0	7	20	2655	3100	7	20	2635.2	2902	66	20	2155	66886	66	5	2197.5	67311	23.05	23.11			
	2	20	1860	18900	QPSK	1	0	5	10	881.5	2525	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	23.00	23.11			
	2	20	1860	18900	QPSK	1	0	5	10	881.5	2525	5	10	891.4	2624	66	20	2155	66886	66	20	2135.2	66688	23.01	23.11			
	2	20	1860	18900	QPSK	1	0	7	20	2655	3100	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	23.00	23.11			
	2	20	1860	18900	QPSK	1	0	7	20	2655	3100	7	20	2635.2	2902	66	20	2155	66886	66	5	2197.5	67311	23.04	23.11			
	2	20	1860	18900	QPSK	1	0	12	5	737.5	5095	12	10	744.7	5162	66	20	2155	66886	66	5	2197.5	67311	23.02	23.11			
	2	20	1860	18900	QPSK	1	0	13	10	751	5230	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	22.99	23.11			
	2	20	1860	18900	QPSK	1	0	13	10	751	5230	48	20	3641	56150	48	20	3621.2	55952	48	20	3601.4	55754	22.99	23.11			
	2	20	1860	18900	QPSK	1	0	13	10	751	5230	66	20	2155	66886	66	20	2135.2	66688	66	20	2115.4	66490	23.06	23.11			
	2	20	1860	18900	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	48	20	3641	56150	23.05	23.11			
	2	20	1860	18900	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	66	20	2155	66886	22.94	23.11			
	2	20	1860	18900	QPSK	1	0	48	20	3641	56150	48	20	3621.2	55952	48	20	3601.4	55754	66	20	2155	66886	22.96	23.11			
	4	20	1720	20050	QPSK	1	0	4	5	2152.5	2375	5	10	881.5	2525	5	10	891.4	2624	30	10	2355	9820	23.27	23.45			
	4	20	1720	20050	QPSK	1	0	46	20	5150	46790	46	20	5925	54539	46	20	5905.2	54341	46	20	5885.4	54143	23.29	23.45			
	4	20	1720	20050	QPSK	1	0	48	20	3625	55990	48	20	3644.8	56188	48	20	3664.6	56386	48	20	3684.4	56584	23.38	23.45			
	5	10	836.5	20525	QPSK	1	0	7	20	2655	3100	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	23.12	23.29			
	5	10	836.5	20525	QPSK	1	0	12	10	737.5	5095	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	23.19	23.29			
	5	10	836.5	20525	QPSK	1	0	5	10	846.4	2624	30	10	2355	9820	66	20	2155	66886	66	5	2197.5	67311	23.27	23.29			
	5	10	836.5	20525	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	66	20	2155	66886	23.27	23.29			
	7	20	2560	21350	QPSK	1	0	7	20	2540.2	3152	25	20	1960	8340	25	5	1992.5	8665	66	20	2155	66886	22.94	22.98			
	13	10	782	23230	QPSK	1	0	48	20	3641	56150	48	20	3621.2	55952	48	20	3601.4	55754	66	20	2155	66886	23.24	23.32			
	13	10	782	23230	QPSK	1	0	48	20	3641	56150	48	20	3621.2	55952	48	20	3601.4	55754	66	20	2155	66886	23.18	23.32			
	25	20	1860	26140	QPSK	1	0	25	5	1992.5	8665	26	15	876.5	8865	41	20	2593	40620	41	20	2612.8	40818	23.00	23.18			
	41	20	2593	40620	QPSK	1	0	41	20	2573.2	40422	41	20	2553.4	40224	42	20	3575	43340	42	20	3594.8	43538	23.07	23.13			
41	20	2593	40620	QPSK	1	0	41	20	2573.2	40422	41	20	2553.4	40224	42	20	3500	42590	42	20	3519.8	42788	22.97	23.13				
41	20	2593	40620	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	46	20	5596.9	51259	23.13	23.13				
66	20	1745	132322	QPSK	1	0	48	20	3641	56150	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	23.41	23.50				



<LTE Uplink carrier aggregation>

2CC Uplink Carrier Aggregation	
Number	Combination
	Ant 0
1	2C
2	5B
3	7C
4	66B
5	66C
6	38C
7	41C
8	42C
9	43C
10	48C

<Intra-band>

General Note:

- i. The device supports intra-band uplink carrier aggregation with a maximum of two 20MHz 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 20MHz 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 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. According 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.
- v. Additional SAR measurement for LTE UL CA whit 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.

<Sensor OFF>

CA_2C_Ant 0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
18700	18898	QPSK	1	0	0	0	1	0	23.01	24
18900	18702	QPSK	1	0	1	99	2	0	23	24
19100	18902	QPSK	1	0	1	99	2	0	22.88	24

CA_5B_Ant 0										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	23.11	24.5
20475	20574	QPSK	1	0	1	49	2	0	23.12	24.5
20600	20501	QPSK	1	0	1	49	2	0	23	24.5



CA_7C_Ant 0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	22.8	24
21100	20902	QPSK	1	0	1	99	2	0	22.81	24
21350	21152	QPSK	1	0	1	99	2	0	22.88	24

CA_66B_Ant 0										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	23.03	24
132322	132229	QPSK	1	0	1	24	2	0	23.22	24
132597	132504	QPSK	1	0	1	24	2	0	23.25	24

CA_66C_Ant 0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	23.13	24
132322	132124	QPSK	1	0	1	99	2	0	23.19	24
132572	132374	QPSK	1	0	1	99	2	0	23.11	24

CA_38C_Ant 0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	0	0	1	0	22.88	24
37901	38099	QPSK	1	0	1	99	2	0	23.01	24
38150	37952	QPSK	1	0	1	99	2	0	23	24

CA_41C_Ant 0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	22.88	24
40185	39987	QPSK	1	0	1	99	2	0	23.01	24
40620	40422	QPSK	1	0	1	99	2	0	23.03	24
41055	40857	QPSK	1	0	1	99	2	0	23.05	24
41490	41292	QPSK	1	0	1	99	2	0	22.98	24

CA_41C (HPUE)_Ant 0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	22.84	24
40185	39987	QPSK	1	0	1	99	2	0	22.9	24
40620	40422	QPSK	1	0	1	99	2	0	22.92	24
41055	40857	QPSK	1	0	1	99	2	0	22.94	24
41490	41292	QPSK	1	0	1	99	2	0	22.91	24



CA_42C Part 96_Ant 0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
43190	43388	QPSK	1	0	0	0	1	0	21.33	22
43340	43538	QPSK	1	0	1	99	2	0	21.66	22
43490	43292	QPSK	1	0	1	99	2	0	21.44	22

CA_42C Part 27Q_Ant 0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
42190	42388	QPSK	1	0	0	0	1	0	23.66	24
42590	42788	QPSK	1	0	1	99	2	0	23.77	24
42990	42792	QPSK	1	0	1	99	2	0	23.8	24

CA_43C_Ant 0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
43690	43888	QPSK	1	0	0	0	1	0	21.5	22
44090	44288	QPSK	1	0	1	99	2	0	21.51	22
44490	44292	QPSK	1	0	1	99	2	0	21.5	22

CA_48C_Ant 0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	0	0	0	1	0	21.62	22
55830	55632	QPSK	1	0	1	99	2	0	21.64	22
56150	55952	QPSK	1	0	1	99	2	0	21.66	22
56640	56442	QPSK	1	0	1	99	2	0	21.6	22



<Sensor ON>

CA_2C_Ant 0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
18700	18898	QPSK	1	0	0	0	1	0	19.88	21
18900	18702	QPSK	1	0	1	99	2	0	19.8	21
19100	18902	QPSK	1	0	1	99	2	0	19.74	21

CA_66B_Ant 0										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	20.9	22
132322	132229	QPSK	1	0	1	24	2	0	21	22
132597	132504	QPSK	1	0	1	24	2	0	20.95	22

CA_66C_Ant 0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	20.88	22
132322	132124	QPSK	1	0	1	99	2	0	21.01	22
132572	132374	QPSK	1	0	1	99	2	0	21.03	22

13. 5G NR Output Power (Unit: dBm)

General Note:

1. Referencing the procedure in KDB 941225, the test procedures are outlined as below
 - a. For DFT-OFDM output power measurement, full measurement was done for Pi/2 BPSK and QPSK and for the largest supported bandwidth, repeat test for 16QAM/64QAM/256QAM under 1RB 1Offset configuration. For smaller bandwidth, measure conducted power for Pi/2 BPSK and 1RB 1Offset configuration.
 - b. According to the tune-up, CP-OFDM output power is not ½ dB higher than DFT-OFDM mode, and the reported SAR of DFT-OFDM mode reported SAR is ≤ 1.45 W/kg, SAR test and thus conducted power for CP-OFDM mode is not required.
 - c. To start SAR test for the largest channel bandwidth for Pi/2 BPSK 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. Also do SAR test for 50% RB allocation for Pi/2 BPSK SAR testing using 1RB Pi/2 BPSK allocation procedure
 - d. For Pi/2 BPSK with 100% RB allocation, SAR test 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.
 - e. For higher modulation QPSK/16QAM/64QAM/256QAM, according to tune-up document the power level is not ½ dB higher than the same configuration in Pi/2 BPSK, also reported SAR for the Pi/2 BPSK configuration is less than 1.45 W/kg, QPSK/16QAM/64QAM/256QAM SAR testing are not required.
 - f. Smaller bandwidth output power for each RB allocation configuration for this device is 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
2. Due to test setup limitations, SAR testing for NR was performed using Factory Test Mode software to establish the connection and perform SAR with 100% transmission. And only for TDD power class2 was performed using Factory Test Mode software to establish the connection and perform SAR with 50% transmission.

<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	≤ 3.5 ¹	≤ 1.2 ¹	≤ 0.2 ¹
		≤ 0.5 ²	≤ 0.5 ²	0 ²
	QPSK	≤ 1		0
	16 QAM	≤ 2		≤ 1
	64 QAM		≤ 2.5	
CP-OFDM	256 QAM		≤ 4.5	
	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	



<FR1 n2_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.64	23.48	23.40	24.0
20	PI/2 BPSK	1	53	23.50	23.45	23.33	
20	PI/2 BPSK	1	104	23.45	23.31	23.32	
20	PI/2 BPSK	50	0	23.03	23.01	22.88	23.5
20	PI/2 BPSK	50	28	23.60	23.47	23.43	24.0
20	PI/2 BPSK	50	56	23.05	23.05	22.91	23.5
20	PI/2 BPSK	100	0	23.05	23.01	22.93	
20	QPSK	1	1	23.63	23.46	23.54	24.0
20	QPSK	1	53	23.48	23.46	23.35	
20	QPSK	1	104	23.59	23.40	23.42	
20	QPSK	50	0	22.53	22.48	22.52	23.0
20	QPSK	50	28	23.58	23.41	23.55	24.0
20	QPSK	50	56	22.55	22.42	22.52	23.0
20	QPSK	100	0	22.57	22.50	22.53	
20	16QAM	1	1	22.66	22.49	22.52	23.0
20	64QAM	1	1	21.45	21.25	21.37	21.5
20	256QAM	1	1	19.16	18.96	19.01	19.5
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.45	23.40	23.39	24.0
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.41	23.39	23.34	24.0
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.47	23.34	23.37	24.0



<FR1 n2_Ant 0_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	19.73	19.69	19.67	20.5
20	PI/2 BPSK	1	53	19.71	19.70	19.61	
20	PI/2 BPSK	1	104	19.54	19.48	19.54	
20	PI/2 BPSK	50	0	19.61	19.60	19.59	20.5
20	PI/2 BPSK	50	28	19.60	19.54	19.59	20.5
20	PI/2 BPSK	50	56	19.51	19.46	19.46	20.5
20	PI/2 BPSK	100	0	19.67	19.59	19.58	
20	QPSK	1	1	19.70	19.61	19.70	20.5
20	QPSK	1	53	19.72	19.62	19.70	
20	QPSK	1	104	19.66	19.66	19.64	
20	QPSK	50	0	19.64	19.57	19.59	20.5
20	QPSK	50	28	19.62	19.53	19.59	20.5
20	QPSK	50	56	19.56	19.49	19.50	20.5
20	QPSK	100	0	19.69	19.64	19.63	
20	16QAM	1	1	19.70	19.60	19.69	20.5
20	64QAM	1	1	19.69	18.75	18.75	20.5
20	256QAM	1	1	19.14	19.18	19.15	19.5
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	19.65	19.66	19.57	20.5
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	19.67	19.63	19.60	20.5
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	19.60	19.48	19.45	20.5



<FR1 n2_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	24.0
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.15	23.22	23.25	
20	PI/2 BPSK	1	53	22.78	23.12	23.09	23.5
20	PI/2 BPSK	1	104	22.90	22.98	22.96	
20	PI/2 BPSK	50	0	22.74	22.88	22.80	24.0
20	PI/2 BPSK	50	28	23.00	23.15	23.11	
20	PI/2 BPSK	50	56	22.62	22.93	22.82	23.5
20	PI/2 BPSK	100	0	22.54	22.82	22.85	
20	QPSK	1	1	23.03	23.12	22.98	24.0
20	QPSK	1	53	22.80	22.94	22.94	
20	QPSK	1	104	22.66	22.93	22.89	
20	QPSK	50	0	21.87	22.26	22.13	23.0
20	QPSK	50	28	22.67	23.04	22.73	24.0
20	QPSK	50	56	21.90	22.14	22.08	23.0
20	QPSK	100	0	22.04	22.18	22.03	
20	16QAM	1	1	21.89	22.03	22.01	23.0
20	64QAM	1	1	20.45	20.74	20.68	21.5
20	256QAM	1	1	18.57	18.75	18.69	19.5
Channel				371500	376000	380500	24.0
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	22.92	23.03	23.06	24.0
Channel				371000	376000	381000	24.0
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	22.80	23.00	23.02	24.0
Channel				370500	376000	381500	24.0
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	22.93	23.05	22.95	24.0



<FR1 n2_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	14.5
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	13.37	13.61	13.54	
20	PI/2 BPSK	1	53	13.25	13.57	13.40	14.5
20	PI/2 BPSK	1	104	13.33	13.60	13.51	
20	PI/2 BPSK	50	0	13.32	13.56	13.40	14.5
20	PI/2 BPSK	50	28	13.29	13.54	13.43	14.5
20	PI/2 BPSK	50	56	13.29	13.57	13.48	14.5
20	PI/2 BPSK	100	0	13.31	13.58	13.46	
20	QPSK	1	1	13.30	13.55	13.44	14.5
20	QPSK	1	53	13.13	13.47	13.32	
20	QPSK	1	104	13.15	13.45	13.33	
20	QPSK	50	0	13.27	13.53	13.37	14.5
20	QPSK	50	28	13.25	13.50	13.38	14.5
20	QPSK	50	56	13.31	13.55	13.44	14.5
20	QPSK	100	0	13.25	13.53	13.39	
20	16QAM	1	1	13.32	13.58	13.43	14.5
20	64QAM	1	1	13.21	13.45	13.28	14.5
20	256QAM	1	1	13.10	13.39	13.27	14.5
Channel				371500	376000	380500	14.5
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	13.36	13.55	13.51	14.5
Channel				371000	376000	381000	14.5
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	13.31	13.51	13.49	14.5
Channel				370500	376000	381500	14.5
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	13.27	13.57	13.45	14.5



<FR1 n2_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	20.65	20.84	20.74	21.5
20	PI/2 BPSK	1	53	20.47	20.73	20.62	
20	PI/2 BPSK	1	104	20.49	20.72	20.53	
20	PI/2 BPSK	50	0	20.46	20.74	20.60	21.5
20	PI/2 BPSK	50	28	20.45	20.73	20.59	21.5
20	PI/2 BPSK	50	56	20.47	20.76	20.66	21.5
20	PI/2 BPSK	100	0	20.50	20.71	20.60	
20	QPSK	1	1	20.44	20.66	20.49	21.5
20	QPSK	1	53	20.43	20.71	20.54	
20	QPSK	1	104	20.48	20.74	20.58	
20	QPSK	50	0	20.57	20.78	20.62	21.5
20	QPSK	50	28	20.52	20.78	20.59	21.5
20	QPSK	50	56	20.49	20.70	20.56	21.5
20	QPSK	100	0	20.48	20.76	20.58	
20	16QAM	1	1	20.53	20.80	20.62	21.5
20	64QAM	1	1	20.52	20.77	20.63	21.5
20	256QAM	1	1	18.66	18.90	18.77	19.5
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	20.61	20.79	20.71	21.5
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	20.58	20.74	20.74	21.5
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	20.63	20.75	20.69	21.5



<FR1 n5_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	24.0
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.65	23.72	23.69	
20	PI/2 BPSK	1	53	23.41	23.42	23.33	23.5
20	PI/2 BPSK	1	104	23.24	23.34	23.24	
20	PI/2 BPSK	50	0	22.93	22.94	22.94	24.0
20	PI/2 BPSK	50	28	23.32	23.42	23.42	
20	PI/2 BPSK	50	56	22.77	22.82	22.81	23.5
20	PI/2 BPSK	100	0	22.86	22.93	22.90	
20	QPSK	1	1	23.48	23.49	23.43	24.0
20	QPSK	1	53	23.36	23.37	23.36	
20	QPSK	1	104	23.19	23.27	23.17	
20	QPSK	50	0	22.34	22.42	22.36	23.0
20	QPSK	50	28	23.41	23.44	23.37	24.0
20	QPSK	50	56	22.36	22.41	22.36	23.0
20	QPSK	100	0	22.45	22.47	22.39	
20	16QAM	1	1	22.38	22.44	22.42	23.0
20	64QAM	1	1	21.10	21.10	21.10	21.5
20	256QAM	1	1	19.00	19.07	19.07	19.5
Channel				166300	167300	168300	24.0
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.36	22.48	22.52	24.0
Channel				165800	167300	168800	24.0
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	22.37	22.45	22.48	24.0
Channel				165300	167300	169300	24.0
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	22.40	22.51	22.54	24.0



<FR1 n5_Ant 0_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	23.0
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	22.38	22.49	22.40	
20	PI/2 BPSK	1	53	22.08	22.16	22.09	23.0
20	PI/2 BPSK	1	104	22.04	22.05	21.96	
20	PI/2 BPSK	50	0	22.11	22.21	22.16	23.0
20	PI/2 BPSK	50	28	22.23	22.23	22.18	23.0
20	PI/2 BPSK	50	56	22.17	22.19	22.16	23.0
20	PI/2 BPSK	100	0	22.21	22.21	22.13	
20	QPSK	1	1	22.22	22.27	22.23	23.0
20	QPSK	1	53	22.11	22.18	22.17	
20	QPSK	1	104	21.99	22.09	22.04	
20	QPSK	50	0	22.13	22.19	22.15	23.0
20	QPSK	50	28	22.10	22.20	22.11	23.0
20	QPSK	50	56	22.08	22.10	22.03	23.0
20	QPSK	100	0	22.19	22.23	22.21	
20	16QAM	1	1	22.18	22.26	22.26	23.0
20	64QAM	1	1	20.94	21.03	21.02	21.5
20	256QAM	1	1	18.96	19.06	18.97	19.5
Channel				166300	167300	168300	23.0
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	22.35	22.41	22.35	23.0
Channel				165800	167300	168800	23.0
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	22.32	22.42	22.37	23.0
Channel				165300	167300	169300	23.0
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	22.30	22.37	22.30	23.0



<FR1 n7_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	24.0
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	23.39	23.47	23.41	
40	PI/2 BPSK	1	108	23.21	23.23	23.14	23.5
40	PI/2 BPSK	1	214	23.31	23.31	23.28	
40	PI/2 BPSK	108	0	22.68	22.71	22.70	24.0
40	PI/2 BPSK	108	54	23.22	23.27	23.19	
40	PI/2 BPSK	108	108	22.78	22.85	22.81	23.5
40	PI/2 BPSK	216	0	22.79	22.83	22.73	
40	QPSK	1	1	23.27	23.32	23.22	24.0
40	QPSK	1	108	23.37	23.45	23.44	
40	QPSK	1	214	23.43	23.45	23.38	
40	QPSK	108	0	22.14	22.19	22.13	23.0
40	QPSK	108	54	23.28	23.30	23.30	24.0
40	QPSK	108	108	22.24	22.32	22.26	23.0
40	QPSK	216	0	22.27	22.34	22.29	
40	16QAM	1	1	21.97	22.04	21.95	23.0
40	64QAM	1	1	20.89	20.94	20.90	21.5
40	256QAM	1	1	18.59	18.64	18.54	19.5
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	23.38	23.33	23.39	24.0
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	23.22	23.46	23.29	24.0
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.26	23.45	23.24	24.0
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.30	23.33	23.22	24.0
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.32	23.41	23.28	24.0
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.32	23.36	23.25	24.0



<FR1 n7_Ant 0_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	22.77	22.78	22.73	23.5
40	PI/2 BPSK	1	108	22.44	22.54	22.34	
40	PI/2 BPSK	1	214	22.57	22.60	22.56	
40	PI/2 BPSK	108	0	22.40	22.52	22.44	23.0
40	PI/2 BPSK	108	54	22.48	22.62	22.53	23.5
40	PI/2 BPSK	108	108	22.43	22.60	22.44	23.0
40	PI/2 BPSK	216	0	22.51	22.64	22.45	
40	QPSK	1	1	22.50	22.54	22.48	23.5
40	QPSK	1	108	22.70	22.76	22.71	
40	QPSK	1	214	22.58	22.75	22.55	
40	QPSK	108	0	22.09	22.25	22.15	22.5
40	QPSK	108	54	22.55	22.60	22.41	23.5
40	QPSK	108	108	22.17	22.34	22.16	22.5
40	QPSK	216	0	22.30	22.36	22.33	
40	16QAM	1	1	21.86	22.01	21.96	22.5
40	64QAM	1	1	20.73	20.92	20.83	21.0
40	256QAM	1	1	18.58	18.63	18.46	19.0
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	22.68	22.71	22.62	23.5
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	22.74	22.73	22.70	23.5
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	22.58	22.61	22.70	23.5
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	22.66	22.69	22.70	23.5
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	22.70	22.62	22.64	23.5
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	22.58	22.67	22.54	23.5



<FR1 n7_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	22.77	22.97	22.95	24.0
40	PI/2 BPSK	1	108	22.67	22.83	22.94	
40	PI/2 BPSK	1	214	22.78	22.83	22.90	
40	PI/2 BPSK	108	0	22.45	22.53	22.73	23.5
40	PI/2 BPSK	108	54	22.93	22.96	22.84	24.0
40	PI/2 BPSK	108	108	22.41	22.57	22.81	23.5
40	PI/2 BPSK	216	0	22.79	22.66	22.86	
40	QPSK	1	1	22.74	22.76	22.88	24.0
40	QPSK	1	108	22.78	22.82	22.94	
40	QPSK	1	214	22.79	22.89	22.84	
40	QPSK	108	0	22.08	22.10	22.26	23.0
40	QPSK	108	54	22.87	22.91	22.93	24.0
40	QPSK	108	108	22.14	22.31	22.35	23.0
40	QPSK	216	0	22.18	22.25	22.43	
40	16QAM	1	1	21.91	22.05	22.09	23.0
40	64QAM	1	1	20.64	20.71	20.85	21.5
40	256QAM	1	1	18.96	18.90	19.10	19.5
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	22.62	22.90	22.81	24.0
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	22.80	22.80	22.95	24.0
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	22.71	22.95	22.89	24.0
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	22.71	22.90	22.89	24.0
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	22.67	22.83	22.87	24.0
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	22.75	22.86	22.88	24.0



<FR1 n7_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	12.92	13.16	13.12	13.5
40	PI/2 BPSK	1	108	12.64	12.97	12.86	
40	PI/2 BPSK	1	214	12.74	13.04	12.96	
40	PI/2 BPSK	108	0	12.76	13.00	12.91	13.5
40	PI/2 BPSK	108	54	12.80	13.06	12.97	13.5
40	PI/2 BPSK	108	108	12.79	13.04	12.90	13.5
40	PI/2 BPSK	216	0	12.72	13.05	12.91	
40	QPSK	1	1	12.78	13.09	13.05	13.5
40	QPSK	1	108	12.61	12.89	12.85	
40	QPSK	1	214	12.58	12.91	12.80	
40	QPSK	108	0	12.62	12.87	12.83	13.5
40	QPSK	108	54	12.83	13.09	13.04	13.5
40	QPSK	108	108	12.81	13.06	12.99	13.5
40	QPSK	216	0	12.86	13.10	12.98	
40	16QAM	1	1	12.71	12.99	12.95	13.5
40	64QAM	1	1	12.71	12.98	12.87	13.5
40	256QAM	1	1	12.75	13.00	12.86	13.5
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	12.84	13.12	13.06	13.5
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	12.84	13.12	13.10	13.5
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	12.89	13.13	13.03	13.5
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	12.90	13.13	13.04	13.5
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	12.91	13.12	13.11	13.5
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	12.87	13.10	13.02	13.5



<FR1 n7_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	19.0
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	18.65	18.74	18.72	
40	PI/2 BPSK	1	108	18.51	18.70	18.62	19.0
40	PI/2 BPSK	1	214	18.55	18.65	18.56	
40	PI/2 BPSK	108	0	18.45	18.55	18.53	19.0
40	PI/2 BPSK	108	54	18.50	18.58	18.54	19.0
40	PI/2 BPSK	108	108	18.41	18.57	18.47	19.0
40	PI/2 BPSK	216	0	18.57	18.67	18.62	
40	QPSK	1	1	18.44	18.62	18.60	19.0
40	QPSK	1	108	18.46	18.58	18.50	
40	QPSK	1	214	18.33	18.47	18.38	
40	QPSK	108	0	18.27	18.38	18.34	19.0
40	QPSK	108	54	18.51	18.64	18.60	19.0
40	QPSK	108	108	18.47	18.61	18.57	19.0
40	QPSK	216	0	18.47	18.63	18.55	
40	16QAM	1	1	18.43	18.54	18.46	19.0
40	64QAM	1	1	18.52	18.61	18.59	19.0
40	256QAM	1	1	18.37	18.54	18.47	19.0
Channel				503000	507000	511000	19.0
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	18.61	18.70	18.72	19.0
Channel				502500	507000	511500	19.0
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	18.64	18.70	18.69	19.0
Channel				502000	507000	512000	19.0
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	18.64	18.66	18.71	19.0
Channel				501500	507000	512500	19.0
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	18.63	18.64	18.66	19.0
Channel				501000	507000	513000	19.0
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	18.63	18.66	18.63	19.0
Channel				500500	507000	513500	19.0
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	18.64	18.64	18.69	19.0



<FR1 n12_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.46	23.54	23.50	24.0
15	PI/2 BPSK	1	40	23.06	23.21	23.13	
15	PI/2 BPSK	1	77	23.19	23.24	23.13	
15	PI/2 BPSK	36	0	22.49	22.67	22.67	23.5
15	PI/2 BPSK	36	22	23.09	23.24	23.18	24.0
15	PI/2 BPSK	36	43	22.51	22.64	22.60	23.5
15	PI/2 BPSK	75	0	22.66	22.74	22.65	
15	QPSK	1	1	23.04	23.12	23.12	24.0
15	QPSK	1	40	23.12	23.22	23.13	
15	QPSK	1	77	23.05	23.18	22.98	
15	QPSK	36	0	22.09	22.23	22.09	23.0
15	QPSK	36	22	23.24	23.25	23.07	24.0
15	QPSK	36	43	21.95	22.14	22.06	23.0
15	QPSK	75	0	22.21	22.26	22.15	
15	16QAM	1	1	21.94	22.05	21.87	23.0
15	64QAM	1	1	21.03	21.19	21.11	21.5
15	256QAM	1	1	18.95	19.07	18.87	19.5
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.32	23.42	23.35	24.0
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.36	23.45	23.32	24.0

<FR1 n13_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					156400		
Frequency (MHz)					782		
10	PI/2 BPSK	1	1		23.55		24.0
10	PI/2 BPSK	1	26		23.31		
10	PI/2 BPSK	1	50		23.29		
10	PI/2 BPSK	25	0		22.75		23.5
10	PI/2 BPSK	25	14		23.15		24.0
10	PI/2 BPSK	25	27		22.71		23.5
10	PI/2 BPSK	50	0		22.74		
10	QPSK	1	1		23.40		24.0
10	QPSK	1	26		23.50		
10	QPSK	1	50		23.54		
10	QPSK	25	0		22.20		23.0
10	QPSK	25	14		23.17		24.0
10	QPSK	25	27		22.21		23.0
10	QPSK	50	0		22.14		
10	16QAM	1	1		22.00		23.0
10	64QAM	1	1		21.32		21.5
10	256QAM	1	1		19.10		19.5
Channel				155900	156400	156900	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	PI/2 BPSK	1	1	23.45	23.40	23.41	24.0



<FR1 n13_Ant 0_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					156400		
Frequency (MHz)					782		
10	PI/2 BPSK	1	1		22.67		23.5
10	PI/2 BPSK	1	26		22.60		
10	PI/2 BPSK	1	50		22.60		
10	PI/2 BPSK	25	0		22.52		23.5
10	PI/2 BPSK	25	14		22.55		23.5
10	PI/2 BPSK	25	27		22.53		23.5
10	PI/2 BPSK	50	0		22.55		
10	QPSK	1	1		22.65		23.5
10	QPSK	1	26		22.62		
10	QPSK	1	50		22.59		
10	QPSK	25	0		22.17		23.0
10	QPSK	25	14		22.44		23.5
10	QPSK	25	27		22.21		23.0
10	QPSK	50	0		22.12		
10	16QAM	1	1		22.03		23.0
10	64QAM	1	1		21.41		21.5
10	256QAM	1	1		19.10		19.5
Channel				155900	156400	156900	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	PI/2 BPSK	1	1	22.58	22.54	22.51	23.5

<FR1 n14_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		23.42		24.0
10	PI/2 BPSK	1	26		23.08		
10	PI/2 BPSK	1	50		23.13		
10	PI/2 BPSK	25	0		22.65		23.5
10	PI/2 BPSK	25	14		23.12		24.0
10	PI/2 BPSK	25	27		22.67		23.5
10	PI/2 BPSK	50	0		22.61		
10	QPSK	1	1		23.31		24.0
10	QPSK	1	26		23.24		
10	QPSK	1	50		23.14		
10	QPSK	25	0		22.14		23.0
10	QPSK	25	14		23.10		24.0
10	QPSK	25	27		22.14		23.0
10	QPSK	50	0		22.20		
10	16QAM	1	1		21.88		23.0
10	64QAM	1	1		20.87		21.5
10	256QAM	1	1		18.61		19.5
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	23.30	23.35	23.38	24.0



<FR1 n25_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	23.62	23.65	23.50	24.0
40	PI/2 BPSK	1	108	23.42	23.47	23.47	
40	PI/2 BPSK	1	214	23.45	23.47	23.40	
40	PI/2 BPSK	108	0	22.97	23.05	23.02	23.5
40	PI/2 BPSK	108	54	23.42	23.46	23.40	24.0
40	PI/2 BPSK	108	108	22.93	23.03	22.93	23.5
40	PI/2 BPSK	216	0	22.95	22.96	22.94	
40	QPSK	1	1	23.44	23.44	23.43	24.0
40	QPSK	1	108	23.45	23.46	23.40	
40	QPSK	1	214	23.32	23.40	23.35	
40	QPSK	108	0	22.44	22.52	22.42	23.0
40	QPSK	108	54	23.45	23.48	23.42	24.0
40	QPSK	108	108	22.41	22.50	22.42	23.0
40	QPSK	216	0	22.45	22.49	22.41	
40	16QAM	1	1	22.69	22.69	22.68	23.0
40	64QAM	1	1	21.47	21.47	21.38	21.5
40	256QAM	1	1	19.03	19.07	19.04	19.5
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	23.55	23.59	23.42	24.0
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	23.55	23.58	23.48	24.0
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.54	23.60	23.43	24.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.60	23.59	23.47	24.0
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.62	23.59	23.45	24.0
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.61	23.56	23.44	24.0



<FR1 n25_Ant 0_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	19.63	19.81	19.53	20.5
40	PI/2 BPSK	1	108	19.53	19.79	19.52	
40	PI/2 BPSK	1	214	19.46	19.73	19.43	
40	PI/2 BPSK	108	0	19.64	19.74	19.47	20.5
40	PI/2 BPSK	108	54	19.65	19.78	19.52	20.5
40	PI/2 BPSK	108	108	19.58	19.77	19.51	20.5
40	PI/2 BPSK	216	0	19.56	19.64	19.62	
40	QPSK	1	1	19.49	19.74	19.44	20.5
40	QPSK	1	108	19.58	19.79	19.55	
40	QPSK	1	214	19.36	19.65	19.42	
40	QPSK	108	0	19.49	19.78	19.51	20.5
40	QPSK	108	54	19.50	19.77	19.57	20.5
40	QPSK	108	108	19.56	19.62	19.59	20.5
40	QPSK	216	0	19.65	19.66	19.61	
40	16QAM	1	1	19.44	19.73	19.49	20.5
40	64QAM	1	1	19.47	19.72	19.48	20.5
40	256QAM	1	1	18.69	18.97	18.74	19.5
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	19.56	19.62	19.67	20.5
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	19.60	19.65	19.51	20.5
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	19.57	19.63	19.50	20.5
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	19.55	19.70	19.51	20.5
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	19.53	19.64	19.47	20.5
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	19.60	19.68	19.55	20.5



<FR1 n25_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	23.34	23.38	23.28	24.0
40	PI/2 BPSK	1	108	22.66	23.04	23.15	
40	PI/2 BPSK	1	214	22.55	22.90	23.02	
40	PI/2 BPSK	108	0	22.39	22.75	22.77	23.5
40	PI/2 BPSK	108	54	22.72	22.98	22.93	24.0
40	PI/2 BPSK	108	108	22.56	22.62	22.71	23.5
40	PI/2 BPSK	216	0	22.35	22.70	22.82	
40	QPSK	1	1	22.85	23.18	23.10	24.0
40	QPSK	1	108	22.93	23.10	23.12	
40	QPSK	1	214	22.75	22.87	22.92	
40	QPSK	108	0	21.98	22.19	22.33	23.0
40	QPSK	108	54	22.76	22.87	23.06	24.0
40	QPSK	108	108	21.91	22.36	22.17	23.0
40	QPSK	216	0	21.93	22.21	22.25	
40	16QAM	1	1	21.75	22.02	22.03	23.0
40	64QAM	1	1	20.20	20.51	20.61	21.5
40	256QAM	1	1	18.76	18.96	18.96	19.5
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	23.12	23.20	23.11	24.0
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	23.15	23.25	23.09	24.0
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.19	23.36	23.20	24.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.34	23.30	23.09	24.0
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.21	23.30	23.26	24.0
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.25	23.20	23.09	24.0



<FR1 n25_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	13.53	13.72	13.65	15.0
40	PI/2 BPSK	1	108	13.47	13.68	13.55	
40	PI/2 BPSK	1	214	13.41	13.62	13.52	
40	PI/2 BPSK	108	0	13.45	13.64	13.54	15.0
40	PI/2 BPSK	108	54	13.48	13.66	13.55	15.0
40	PI/2 BPSK	108	108	13.43	13.65	13.50	15.0
40	PI/2 BPSK	216	0	13.35	13.63	13.47	
40	QPSK	1	1	13.39	13.58	13.50	15.0
40	QPSK	1	108	13.39	13.62	13.51	
40	QPSK	1	214	13.37	13.63	13.54	
40	QPSK	108	0	13.51	13.70	13.61	15.0
40	QPSK	108	54	13.28	13.55	13.47	15.0
40	QPSK	108	108	13.40	13.69	13.62	15.0
40	QPSK	216	0	13.34	13.62	13.52	
40	16QAM	1	1	13.38	13.60	13.49	15.0
40	64QAM	1	1	13.45	13.71	13.60	15.0
40	256QAM	1	1	13.43	13.68	13.56	15.0
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	13.51	13.62	13.65	15.0
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	13.49	13.69	13.55	15.0
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	13.46	13.65	13.65	15.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	13.52	13.67	13.57	15.0
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	13.46	13.68	13.62	15.0
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	13.48	13.62	13.59	15.0



<FR1 n25_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	20.53	20.68	20.64	21.5
40	PI/2 BPSK	1	108	20.56	20.60	20.43	
40	PI/2 BPSK	1	214	20.37	20.57	20.47	
40	PI/2 BPSK	108	0	20.62	20.63	20.46	21.5
40	PI/2 BPSK	108	54	20.63	20.65	20.53	21.5
40	PI/2 BPSK	108	108	20.55	20.63	20.49	21.5
40	PI/2 BPSK	216	0	20.36	20.50	20.48	
40	QPSK	1	1	20.51	20.62	20.47	21.5
40	QPSK	1	108	20.41	20.60	20.55	
40	QPSK	1	214	20.48	20.56	20.56	
40	QPSK	108	0	20.61	20.65	20.56	21.5
40	QPSK	108	54	20.53	20.66	20.66	21.5
40	QPSK	108	108	20.55	20.65	20.51	21.5
40	QPSK	216	0	20.43	20.62	20.55	
40	16QAM	1	1	20.57	20.60	20.55	21.5
40	64QAM	1	1	20.53	20.64	20.61	21.5
40	256QAM	1	1	18.99	19.08	18.98	19.5
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	20.63	20.51	20.45	21.5
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	20.55	20.47	20.49	21.5
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	20.59	20.59	20.48	21.5
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	20.44	20.42	20.31	21.5
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	20.60	20.47	20.59	21.5
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	20.52	20.50	20.54	21.5



<FR1 n26_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	24.0
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	23.71	23.72	23.60	24.0
20	PI/2 BPSK	1	53	23.42	23.47	23.41	
20	PI/2 BPSK	1	104	23.41	23.46	23.45	
20	PI/2 BPSK	50	0	22.94	22.96	22.92	23.5
20	PI/2 BPSK	50	28	23.41	23.51	23.46	24.0
20	PI/2 BPSK	50	56	22.84	22.93	22.91	23.5
20	PI/2 BPSK	100	0	22.97	22.99	22.91	
20	QPSK	1	1	23.56	23.63	23.55	24.0
20	QPSK	1	53	23.54	23.61	23.61	
20	QPSK	1	104	23.18	23.28	23.22	
20	QPSK	50	0	22.45	22.47	22.47	23.0
20	QPSK	50	28	23.44	23.47	23.45	24.0
20	QPSK	50	56	22.33	22.35	22.26	23.0
20	QPSK	100	0	22.51	22.51	22.46	
20	16QAM	1	1	22.51	22.57	22.49	23.0
20	64QAM	1	1	21.18	21.26	21.26	21.5
20	256QAM	1	1	19.15	19.18	19.08	19.5
Channel				164300	166300	168300	24.0
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	23.65	23.62	23.58	24.0
Channel				163800	166300	168800	24.0
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	23.61	23.65	23.55	24.0
Channel				163300	166300	169300	24.0
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	23.58	23.61	23.57	24.0

<FR1 n26_Ant 0_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	23.0
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	22.34	22.45	22.36	23.0
20	PI/2 BPSK	1	53	22.13	22.21	22.18	
20	PI/2 BPSK	1	104	21.95	22.05	22.00	
20	PI/2 BPSK	50	0	22.16	22.23	22.22	23.0
20	PI/2 BPSK	50	28	22.14	22.24	22.17	23.0
20	PI/2 BPSK	50	56	22.03	22.12	22.12	23.0
20	PI/2 BPSK	100	0	22.17	22.24	22.20	
20	QPSK	1	1	22.34	22.36	22.36	23.0
20	QPSK	1	53	22.33	22.40	22.33	
20	QPSK	1	104	22.23	22.24	22.19	
20	QPSK	50	0	22.22	22.26	22.19	23.0
20	QPSK	50	28	22.22	22.23	22.22	23.0
20	QPSK	50	56	22.09	22.16	22.14	23.0
20	QPSK	100	0	22.15	22.24	22.16	
20	16QAM	1	1	22.19	22.25	22.19	23.0
20	64QAM	1	1	21.13	21.16	21.14	21.5
20	256QAM	1	1	18.96	19.04	19.02	19.5
Channel				164300	166300	168300	23.0
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	22.24	22.36	22.30	23.0
Channel				163800	166300	168800	23.0
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	22.30	22.44	22.36	23.0
Channel				163300	166300	169300	23.0
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	22.19	22.34	22.19	23.0



<FR1 n30_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.29		23.0
10	PI/2 BPSK	1	26		22.15		
10	PI/2 BPSK	1	50		22.09		
10	PI/2 BPSK	25	0		21.57		22.5
10	PI/2 BPSK	25	14		22.15		23.0
10	PI/2 BPSK	25	27		21.64		22.5
10	PI/2 BPSK	50	0		21.52		
10	QPSK	1	1		22.23		23.0
10	QPSK	1	26		22.25		
10	QPSK	1	50		22.20		
10	QPSK	25	0		21.03		22.0
10	QPSK	25	14		22.13		23.0
10	QPSK	25	27		21.08		22.0
10	QPSK	50	0		21.02		
10	16QAM	1	1		20.81		22.0
10	64QAM	1	1		19.87		20.5
10	256QAM	1	1		17.62		18.5
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	22.25	22.27	22.16	23.0

<FR1 n30_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.33		23.0
10	PI/2 BPSK	1	26		21.89		
10	PI/2 BPSK	1	50		21.89		
10	PI/2 BPSK	25	0		21.26		22.5
10	PI/2 BPSK	25	14		21.75		23.0
10	PI/2 BPSK	25	27		21.32		22.5
10	PI/2 BPSK	50	0		21.27		
10	QPSK	1	1		21.80		23.0
10	QPSK	1	26		21.86		
10	QPSK	1	50		21.91		
10	QPSK	25	0		20.70		22.0
10	QPSK	25	14		21.69		23.0
10	QPSK	25	27		20.77		22.0
10	QPSK	50	0		20.80		
10	16QAM	1	1		20.87		22.0
10	64QAM	1	1		19.62		20.5
10	256QAM	1	1		17.51		18.5
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	22.16	22.20	22.15	23.0



<FR1 n30_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		13.85		14.5
10	PI/2 BPSK	1	26		13.78		
10	PI/2 BPSK	1	50		13.75		
10	PI/2 BPSK	25	0		13.69		14.5
10	PI/2 BPSK	25	14		13.80		14.5
10	PI/2 BPSK	25	27		13.71		14.5
10	PI/2 BPSK	50	0		13.76		
10	QPSK	1	1		13.74		14.5
10	QPSK	1	26		13.81		
10	QPSK	1	50		13.79		
10	QPSK	25	0		13.76		14.5
10	QPSK	25	14		13.82		14.5
10	QPSK	25	27		13.83		14.5
10	QPSK	50	0		13.83		
10	16QAM	1	1		13.65		14.5
10	64QAM	1	1		13.68		14.5
10	256QAM	1	1		13.58		14.5
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	13.69	13.71	13.66	14.5

<FR1 n30_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		20.34		21.0
10	PI/2 BPSK	1	26		20.29		
10	PI/2 BPSK	1	50		20.30		
10	PI/2 BPSK	25	0		20.30		21.0
10	PI/2 BPSK	25	14		20.33		21.0
10	PI/2 BPSK	25	27		20.18		21.0
10	PI/2 BPSK	50	0		20.29		
10	QPSK	1	1		20.30		21.0
10	QPSK	1	26		20.32		
10	QPSK	1	50		20.33		
10	QPSK	25	0		20.23		21.0
10	QPSK	25	14		20.19		21.0
10	QPSK	25	27		20.20		21.0
10	QPSK	50	0		20.27		
10	16QAM	1	1		20.32		21.0
10	64QAM	1	1		19.69		20.5
10	256QAM	1	1		17.50		18.5
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	20.30	20.25	20.29	21.0



<FR1 n66_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.44	23.56	23.55	24.0
40	PI/2 BPSK	1	108	23.33	23.37	23.29	
40	PI/2 BPSK	1	214	23.35	23.40	23.40	
40	PI/2 BPSK	108	0	22.88	22.92	22.84	23.5
40	PI/2 BPSK	108	54	23.37	23.44	23.36	24.0
40	PI/2 BPSK	108	108	22.88	22.93	22.85	23.5
40	PI/2 BPSK	216	0	22.90	22.99	22.96	
40	QPSK	1	1	23.08	23.14	23.04	24.0
40	QPSK	1	108	23.20	23.29	23.20	
40	QPSK	1	214	23.29	23.32	23.23	
40	QPSK	108	0	22.41	22.43	22.36	23.0
40	QPSK	108	54	23.33	23.43	23.36	24.0
40	QPSK	108	108	22.38	22.46	22.40	23.0
40	QPSK	216	0	22.44	22.51	22.45	
40	16QAM	1	1	22.24	22.28	22.28	23.0
40	64QAM	1	1	20.89	20.91	20.85	21.5
40	256QAM	1	1	18.79	18.83	18.82	19.5
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.42	23.52	23.47	24.0
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	23.36	23.47	23.47	24.0
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.33	23.41	23.43	24.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.35	23.49	23.52	24.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.25	23.52	23.48	24.0
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.42	23.50	23.54	24.0



<FR1 n66_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.84	22.90	22.88	24.0
40	PI/2 BPSK	1	108	22.68	22.76	22.74	
40	PI/2 BPSK	1	214	22.54	22.78	22.67	
40	PI/2 BPSK	108	0	22.40	22.54	22.39	23.5
40	PI/2 BPSK	108	54	22.59	22.77	22.69	24.0
40	PI/2 BPSK	108	108	22.18	22.49	22.42	23.5
40	PI/2 BPSK	216	0	22.49	22.52	22.48	
40	QPSK	1	1	22.71	22.85	22.71	24.0
40	QPSK	1	108	22.57	22.69	22.76	
40	QPSK	1	214	22.30	22.66	22.52	
40	QPSK	108	0	21.98	22.06	21.94	23.0
40	QPSK	108	54	22.55	22.67	22.62	24.0
40	QPSK	108	108	21.95	21.97	21.97	23.0
40	QPSK	216	0	21.92	22.01	22.03	
40	16QAM	1	1	21.43	21.66	21.60	23.0
40	64QAM	1	1	20.45	20.59	20.56	21.5
40	256QAM	1	1	18.62	18.88	18.77	19.5
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.72	22.78	22.84	24.0
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	22.64	22.77	22.81	24.0
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.77	22.84	22.82	24.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.66	22.87	22.71	24.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.66	22.78	22.87	24.0
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.81	22.84	22.72	24.0



<FR1 n66_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	13.03	13.19	13.11	14.0
40	PI/2 BPSK	1	108	12.93	13.10	12.95	
40	PI/2 BPSK	1	214	12.87	13.12	13.03	
40	PI/2 BPSK	108	0	12.95	13.11	12.96	14.0
40	PI/2 BPSK	108	54	12.96	13.15	13.00	14.0
40	PI/2 BPSK	108	108	12.90	13.13	12.98	14.0
40	PI/2 BPSK	216	0	12.92	13.09	12.99	
40	QPSK	1	1	12.91	13.16	12.99	14.0
40	QPSK	1	108	12.93	13.09	12.94	
40	QPSK	1	214	12.91	13.07	12.95	
40	QPSK	108	0	12.92	13.14	13.04	14.0
40	QPSK	108	54	12.94	13.13	13.02	14.0
40	QPSK	108	108	12.93	13.16	12.99	14.0
40	QPSK	216	0	12.96	13.12	13.03	
40	16QAM	1	1	12.95	13.16	13.00	14.0
40	64QAM	1	1	12.90	13.16	13.05	14.0
40	256QAM	1	1	12.91	13.15	13.00	14.0
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	13.00	13.15	13.08	14.0
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	12.94	13.18	13.06	14.0
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	12.99	13.14	13.09	14.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	12.96	13.15	13.09	14.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	12.97	13.11	13.03	14.0
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	13.00	13.09	13.11	14.0



<FR1 n66_Ant 2_Sensor ON_Laptop Mode>

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	
Channel	346000	349000	352000		
Frequency (MHz)	1730	1745	1760		
40	PI/2 BPSK	1	1	20.64	21.0
40	PI/2 BPSK	1	108	20.59	
40	PI/2 BPSK	1	214	20.48	
40	PI/2 BPSK	108	0	20.65	21.0
40	PI/2 BPSK	108	54	20.66	21.0
40	PI/2 BPSK	108	108	20.64	21.0
40	PI/2 BPSK	216	0	20.55	
40	QPSK	1	1	20.64	21.0
40	QPSK	1	108	20.54	
40	QPSK	1	214	20.59	
40	QPSK	108	0	20.46	21.0
40	QPSK	108	54	20.51	21.0
40	QPSK	108	108	20.61	21.0
40	QPSK	216	0	20.54	
40	16QAM	1	1	20.48	21.0
40	64QAM	1	1	20.37	21.0
40	256QAM	1	1	18.53	19.5
Channel	345000	349000	353000	Tune-up limit (dBm)	
Frequency (MHz)	1725	1745	1765		
30	PI/2 BPSK	1	1	20.59	21.0
Channel	344500	349000	353500	Tune-up limit (dBm)	
Frequency (MHz)	1722.5	1745	1767.5		
25	PI/2 BPSK	1	1	20.57	21.0
Channel	344000	349000	354000	Tune-up limit (dBm)	
Frequency (MHz)	1720	1745	1770		
20	PI/2 BPSK	1	1	20.44	21.0
Channel	343500	349000	354500	Tune-up limit (dBm)	
Frequency (MHz)	1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	20.54	21.0
Channel	343000	349000	355000	Tune-up limit (dBm)	
Frequency (MHz)	1715	1745	1775		
10	PI/2 BPSK	1	1	20.50	21.0
Channel	342500	349000	355500	Tune-up limit (dBm)	
Frequency (MHz)	1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	20.53	21.0



<FR1 n70_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		23.15		24.0
15	PI/2 BPSK	1	40		23.14		
15	PI/2 BPSK	1	77		23.13		
15	PI/2 BPSK	36	0		22.55		23.5
15	PI/2 BPSK	36	22		23.06		24.0
15	PI/2 BPSK	36	43		22.61		23.5
15	PI/2 BPSK	75	0		22.59		
15	QPSK	1	1		23.10		24.0
15	QPSK	1	40		23.14		
15	QPSK	1	77		23.11		
15	QPSK	36	0		22.08		23.0
15	QPSK	36	22		22.97		24.0
15	QPSK	36	43		22.09		23.0
15	QPSK	75	0		22.12		
15	16QAM	1	1		21.71		23.0
15	64QAM	1	1		20.72		21.5
15	256QAM	1	1		18.61		19.5
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	23.11	22.98	22.94	24.0
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	22.89	23.06	22.95	24.0

<FR1 n70_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		23.30		24.0
15	PI/2 BPSK	1	40		23.03		
15	PI/2 BPSK	1	77		23.12		
15	PI/2 BPSK	36	0		22.47		23.5
15	PI/2 BPSK	36	22		23.08		24.0
15	PI/2 BPSK	36	43		22.49		23.5
15	PI/2 BPSK	75	0		22.53		
15	QPSK	1	1		23.06		24.0
15	QPSK	1	40		23.06		
15	QPSK	1	77		23.02		
15	QPSK	36	0		22.05		23.0
15	QPSK	36	22		23.02		24.0
15	QPSK	36	43		22.14		23.0
15	QPSK	75	0		22.09		
15	16QAM	1	1		22.05		23.0
15	64QAM	1	1		20.48		21.5
15	256QAM	1	1		18.79		19.5
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	23.16	23.14	23.16	24.0
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	23.18	23.14	23.19	24.0



<FR1 n70_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		13.30		14.0
15	PI/2 BPSK	1	40		13.26		
15	PI/2 BPSK	1	77		13.25		
15	PI/2 BPSK	36	0		13.23		14.0
15	PI/2 BPSK	36	22		13.28		14.0
15	PI/2 BPSK	36	43		13.21		14.0
15	PI/2 BPSK	75	0		13.22		
15	QPSK	1	1		13.26		14.0
15	QPSK	1	40		13.24		
15	QPSK	1	77		13.13		
15	QPSK	36	0		13.08		14.0
15	QPSK	36	22		13.22		14.0
15	QPSK	36	43		13.27		14.0
15	QPSK	75	0		13.25		
15	16QAM	1	1		13.24		14.0
15	64QAM	1	1		13.21		14.0
15	256QAM	1	1		13.18		14.0
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	13.03	13.10	13.05	14.0
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	12.96	13.11	13.05	14.0

<FR1 n70_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		20.96		21.0
15	PI/2 BPSK	1	40		20.90		
15	PI/2 BPSK	1	77		20.89		
15	PI/2 BPSK	36	0		20.75		21.0
15	PI/2 BPSK	36	22		20.79		21.0
15	PI/2 BPSK	36	43		20.77		21.0
15	PI/2 BPSK	75	0		20.83		
15	QPSK	1	1		20.92		21.0
15	QPSK	1	40		20.91		
15	QPSK	1	77		20.86		
15	QPSK	36	0		20.82		21.0
15	QPSK	36	22		20.79		21.0
15	QPSK	36	43		20.80		21.0
15	QPSK	75	0		20.85		
15	16QAM	1	1		20.93		21.0
15	64QAM	1	1		20.77		21.0
15	256QAM	1	1		18.76		19.0
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	20.88	20.89	20.79	21.0
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	20.79	20.95	20.82	21.0



<FR1 n71_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	24.0
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.60	23.65	23.59	
20	PI/2 BPSK	1	53	23.58	23.59	23.41	24.0
20	PI/2 BPSK	1	104	23.26	23.43	23.37	
20	PI/2 BPSK	50	0	23.10	23.15	23.01	23.5
20	PI/2 BPSK	50	28	23.36	23.51	23.40	24.0
20	PI/2 BPSK	50	56	22.84	23.02	22.99	23.5
20	PI/2 BPSK	100	0	22.87	23.00	22.85	
20	QPSK	1	1	23.53	23.61	23.44	24.0
20	QPSK	1	53	23.58	23.59	23.51	
20	QPSK	1	104	23.21	23.40	23.35	
20	QPSK	50	0	22.74	22.75	22.59	23.0
20	QPSK	50	28	23.44	23.55	23.50	24.0
20	QPSK	50	56	22.56	22.60	22.50	23.0
20	QPSK	100	0	22.65	22.77	22.67	
20	16QAM	1	1	22.76	22.82	22.65	23.0
20	64QAM	1	1	21.27	21.44	21.28	21.5
20	256QAM	1	1	19.19	19.29	19.18	19.5
Channel				134100	136100	138100	24.0
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.53	23.53	23.36	24.0
Channel				133600	136100	138600	24.0
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.42	23.40	23.32	24.0
Channel				133100	136100	139100	24.0
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.38	23.43	23.26	24.0



<FR1 n38_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	23.70	23.60	23.76	
40	PI/2 BPSK	1	53	23.63	23.56	23.74	24.0
40	PI/2 BPSK	1	104	23.61	23.54	23.70	23.5
40	PI/2 BPSK	50	0	23.21	23.17	23.33	
40	PI/2 BPSK	50	28	23.56	23.53	23.70	24.0
40	PI/2 BPSK	50	56	23.24	23.19	23.37	23.5
40	PI/2 BPSK	100	0	23.15	23.01	23.25	
40	QPSK	1	1	23.54	23.51	23.69	24.0
40	QPSK	1	53	23.53	23.41	23.61	
40	QPSK	1	104	23.57	23.46	23.70	
40	QPSK	50	0	22.70	22.60	22.78	24.0
40	QPSK	50	28	23.69	23.52	23.75	
40	QPSK	50	56	22.71	22.61	22.83	
40	QPSK	100	0	22.67	22.55	22.80	23.0
40	16QAM	1	1	22.46	22.41	22.60	23.0
40	64QAM	1	1	21.36	21.30	21.48	21.5
40	256QAM	1	1	19.07	18.93	19.15	19.5
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	23.67	23.54	23.72	24.0
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	23.70	23.50	23.71	24.0
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	23.62	23.54	23.67	24.0
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	23.61	23.52	23.69	24.0



<FR1 n38_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	12.46	12.46	12.43	13.5
40	PI/2 BPSK	1	53	12.36	12.37	12.26	
40	PI/2 BPSK	1	104	12.28	12.32	12.23	
40	PI/2 BPSK	50	0	12.19	12.26	12.19	13.5
40	PI/2 BPSK	50	28	12.16	12.24	12.11	13.5
40	PI/2 BPSK	50	56	12.19	12.25	12.19	13.5
40	PI/2 BPSK	100	0	12.26	12.32	12.23	
40	QPSK	1	1	12.19	12.29	12.18	13.5
40	QPSK	1	53	12.30	12.34	12.23	
40	QPSK	1	104	12.23	12.30	12.17	
40	QPSK	50	0	12.21	12.29	12.19	13.5
40	QPSK	50	28	12.22	12.24	12.21	
40	QPSK	50	56	12.20	12.28	12.20	
40	QPSK	100	0	12.29	12.32	12.25	13.5
40	16QAM	1	1	12.31	12.33	12.20	13.5
40	64QAM	1	1	12.30	12.34	12.31	13.5
40	256QAM	1	1	12.38	12.41	12.31	13.5
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	12.37	12.41	12.34	13.5
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	12.42	12.41	12.37	13.5
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	12.38	12.45	12.43	13.5
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	12.42	12.45	12.37	13.5



<FR1 n38_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	20.08	20.10	20.15	
40	PI/2 BPSK	1	53	19.99	19.97	20.06	20.5
40	PI/2 BPSK	1	104	20.00	19.97	20.09	
40	PI/2 BPSK	50	0	19.91	19.91	20.05	20.5
40	PI/2 BPSK	50	28	19.93	19.97	20.06	20.5
40	PI/2 BPSK	50	56	19.91	19.97	20.05	20.5
40	PI/2 BPSK	100	0	19.91	19.97	20.03	
40	QPSK	1	1	19.83	19.87	20.00	20.5
40	QPSK	1	53	19.91	19.93	20.02	
40	QPSK	1	104	19.94	19.91	20.01	
40	QPSK	50	0	19.94	19.97	20.08	20.5
40	QPSK	50	28	19.95	19.93	20.07	
40	QPSK	50	56	19.95	19.90	20.02	
40	QPSK	100	0	19.91	19.92	20.05	20.5
40	16QAM	1	1	19.78	19.80	19.88	20.5
40	64QAM	1	1	19.90	19.87	20.00	20.5
40	256QAM	1	1	18.49	18.55	18.65	19.0
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	19.99	20.09	20.08	20.5
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	19.98	20.00	20.05	20.5
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	20.00	20.09	20.09	20.5
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	20.05	20.10	20.12	20.5

<FR1 n41_PC3_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>



FCC SAR TEST REPORT

Report No. : FA3N0842

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	24.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.26	23.82	23.76	24.0
100	PI/2 BPSK	1	137	23.63	23.78	23.66	
100	PI/2 BPSK	1	271	23.57	23.81	23.71	
100	PI/2 BPSK	135	0	22.98	23.18	23.09	23.5
100	PI/2 BPSK	135	69	23.61	23.72	23.70	24.0
100	PI/2 BPSK	135	138	22.79	23.08	23.06	23.5
100	PI/2 BPSK	270	0	22.86	23.19	22.99	
100	QPSK	1	1	23.69	23.64	23.65	24.0
100	QPSK	1	137	23.63	23.73	23.70	
100	QPSK	1	271	23.64	23.64	23.70	
100	QPSK	135	0	23.62	23.66	23.68	24.0
100	QPSK	135	69	23.56	23.71	23.62	
100	QPSK	135	138	23.51	23.72	23.55	
100	QPSK	270	0	22.42	22.56	22.49	23.0
100	16QAM	1	1	22.75	22.79	22.59	23.0
100	64QAM	1	1	21.13	21.14	21.00	21.5
100	256QAM	1	1	19.03	19.07	18.78	19.5
Channel				508200	518598	528996	24.0
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.21	23.79	23.68	24.0
Channel				507204	518598	529998	24.0
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.20	23.75	23.76	24.0
Channel				506202	518598	531000	24.0
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	23.22	23.74	23.66	24.0
Channel				505200	518598	531996	24.0
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.21	23.80	23.66	24.0
Channel				504204	518598	532998	24.0
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.16	23.72	23.69	24.0
Channel				503202	518598	534000	24.0
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.24	23.79	23.72	24.0
Channel				502200	518598	534996	24.0
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.20	23.81	23.74	24.0
Channel				501204	518598	535998	24.0
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.25	23.79	23.75	24.0
Channel				500700	518598	536496	24.0
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.20	23.72	23.70	24.0
Channel				500202	518598	537000	24.0
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.19	23.77	23.76	24.0



<FR1 n41_PC3_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.99	23.26	23.03	24.0
100	PI/2 BPSK	1	137	22.65	23.02	22.69	
100	PI/2 BPSK	1	271	22.55	22.85	22.60	
100	PI/2 BPSK	135	0	22.40	22.68	22.36	23.5
100	PI/2 BPSK	135	69	22.78	23.13	22.82	24.0
100	PI/2 BPSK	135	138	22.06	22.42	22.11	23.5
100	PI/2 BPSK	270	0	22.24	22.60	22.35	
100	QPSK	1	1	22.90	23.20	22.93	24.0
100	QPSK	1	137	22.75	23.11	22.86	
100	QPSK	1	271	22.81	23.09	22.86	
100	QPSK	135	0	22.00	22.29	22.06	24.0
100	QPSK	135	69	22.89	23.20	22.95	
100	QPSK	135	138	22.05	22.14	22.11	
100	QPSK	270	0	21.88	22.18	21.90	23.0
100	16QAM	1	1	22.06	22.35	22.09	23.0
100	64QAM	1	1	20.81	21.12	20.81	21.5
100	256QAM	1	1	18.34	18.62	18.33	19.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.97	23.22	22.97	24.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.99	23.23	23.03	24.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.92	23.17	22.95	24.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.98	23.21	22.99	24.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.94	23.21	22.94	24.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.95	23.20	22.96	24.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.90	23.16	23.01	24.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.90	23.24	22.94	24.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.98	23.22	23.00	24.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.99	23.18	22.94	24.0



<FR1 n41_PC3_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	12.44	12.77	12.75	13.5
100	PI/2 BPSK	1	137	12.26	12.64	12.55	
100	PI/2 BPSK	1	271	11.98	12.45	12.35	
100	PI/2 BPSK	135	0	12.22	12.66	12.57	13.5
100	PI/2 BPSK	135	69	12.25	12.68	12.58	13.5
100	PI/2 BPSK	135	138	12.01	12.45	12.33	13.5
100	PI/2 BPSK	270	0	12.10	12.55	12.42	
100	QPSK	1	1	12.20	12.68	12.52	13.5
100	QPSK	1	137	12.16	12.54	12.47	
100	QPSK	1	271	11.88	12.36	12.29	
100	QPSK	135	0	12.16	12.63	12.47	13.5
100	QPSK	135	69	12.09	12.53	12.42	
100	QPSK	135	138	12.02	12.46	12.33	
100	QPSK	270	0	12.03	12.48	12.36	13.5
100	16QAM	1	1	12.19	12.61	12.50	13.5
100	64QAM	1	1	12.20	12.58	12.46	13.5
100	256QAM	1	1	11.99	12.41	12.30	13.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	12.37	12.70	12.75	13.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	12.41	12.76	12.66	13.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	12.43	12.76	12.69	13.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	12.36	12.75	12.75	13.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	12.36	12.72	12.71	13.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	12.40	12.73	12.72	13.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	12.41	12.71	12.75	13.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	12.37	12.74	12.72	13.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	12.37	12.72	12.67	13.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	12.37	12.73	12.68	13.5



<FR1 n41_PC3_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	18.20	18.30	18.25	19.0
100	PI/2 BPSK	1	137	18.09	18.20	18.09	
100	PI/2 BPSK	1	271	18.02	18.10	17.95	
100	PI/2 BPSK	135	0	18.13	18.19	18.03	19.0
100	PI/2 BPSK	135	69	18.17	18.21	18.04	19.0
100	PI/2 BPSK	135	138	17.94	18.05	17.85	19.0
100	PI/2 BPSK	270	0	18.02	18.15	18.01	
100	QPSK	1	1	18.12	18.22	18.05	19.0
100	QPSK	1	137	18.02	18.11	18.00	
100	QPSK	1	271	17.85	17.98	17.78	
100	QPSK	135	0	18.16	18.22	18.11	19.0
100	QPSK	135	69	18.00	18.15	18.01	
100	QPSK	135	138	17.99	18.06	17.92	
100	QPSK	270	0	18.07	18.17	17.96	19.0
100	16QAM	1	1	18.05	18.12	17.93	19.0
100	64QAM	1	1	17.99	18.09	17.96	19.0
100	256QAM	1	1	18.15	18.22	18.10	19.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	18.21	18.23	18.24	19.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	18.25	18.22	18.13	19.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	18.12	18.21	18.28	19.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	18.29	18.28	18.24	19.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	18.22	18.23	18.24	19.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	18.12	18.26	18.27	19.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	18.25	18.24	18.29	19.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	18.26	18.24	18.26	19.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	18.20	18.25	18.22	19.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	18.29	18.23	18.25	19.0



<FR1 n41_PC3_Ant 1_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	4.23	4.65	4.62	5.5
100	PI/2 BPSK	1	137	4.02	4.50	4.42	
100	PI/2 BPSK	1	271	3.91	4.38	4.32	
100	PI/2 BPSK	135	0	4.10	4.52	4.41	5.5
100	PI/2 BPSK	135	69	4.02	4.54	4.46	5.5
100	PI/2 BPSK	135	138	4.04	4.47	4.44	5.5
100	PI/2 BPSK	270	0	4.08	4.59	4.47	
100	QPSK	1	1	4.10	4.61	4.52	5.5
100	QPSK	1	137	4.08	4.58	4.51	
100	QPSK	1	271	3.95	4.45	4.42	
100	QPSK	135	0	4.13	4.59	4.48	5.5
100	QPSK	135	69	4.14	4.56	4.53	
100	QPSK	135	138	4.03	4.50	4.44	
100	QPSK	270	0	4.17	4.60	4.54	5.5
100	16QAM	1	1	4.04	4.54	4.45	5.5
100	64QAM	1	1	4.14	4.57	4.49	5.5
100	256QAM	1	1	4.06	4.53	4.50	5.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	4.14	4.63	4.52	5.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	4.16	4.62	4.60	5.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	4.16	4.57	4.56	5.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	4.18	4.55	4.60	5.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	4.21	4.58	4.60	5.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	4.17	4.62	4.61	5.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	4.18	4.63	4.52	5.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	4.16	4.57	4.62	5.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	4.19	4.61	4.53	5.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	4.16	4.63	4.62	5.5



<FR1 n41_PC3_Ant 3_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.76	21.30	20.67	22.0
100	PI/2 BPSK	1	137	20.85	20.91	20.75	
100	PI/2 BPSK	1	271	20.42	20.51	20.49	
100	PI/2 BPSK	135	0	20.91	21.04	20.94	21.5
100	PI/2 BPSK	135	69	20.91	20.94	20.75	22.0
100	PI/2 BPSK	135	138	20.64	20.77	20.62	21.5
100	PI/2 BPSK	270	0	20.48	20.58	20.48	
100	QPSK	1	1	21.09	21.27	21.13	22.0
100	QPSK	1	137	20.95	21.04	20.96	
100	QPSK	1	271	20.54	20.61	20.61	
100	QPSK	135	0	20.72	20.72	20.58	22.0
100	QPSK	135	69	20.89	20.94	20.87	
100	QPSK	135	138	20.39	20.42	20.38	
100	QPSK	270	0	20.71	20.88	20.79	21.0
100	16QAM	1	1	20.74	20.93	20.84	21.0
100	64QAM	1	1	19.35	19.48	19.43	19.5
100	256QAM	1	1	17.30	17.34	17.21	17.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.08	21.25	21.15	22.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	21.13	21.17	21.08	22.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	21.16	21.18	21.15	22.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.10	21.13	21.27	22.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.15	21.21	21.22	22.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.14	21.16	21.19	22.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.17	21.13	21.19	22.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.10	21.23	21.16	22.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	21.18	21.22	21.15	22.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.22	21.15	21.27	22.0



<FR1 n41_PC2_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.96	26.63	26.42	27.0
100	PI/2 BPSK	1	137	25.38	25.77	25.48	
100	PI/2 BPSK	1	271	25.64	26.10	25.85	
100	PI/2 BPSK	135	0	24.75	25.20	24.94	26.5
100	PI/2 BPSK	135	69	25.01	25.10	25.06	27.0
100	PI/2 BPSK	135	138	25.11	25.49	25.25	26.5
100	PI/2 BPSK	270	0	24.95	25.38	25.15	
100	QPSK	1	1	25.19	25.59	25.30	27.0
100	QPSK	1	137	25.33	25.70	25.42	
100	QPSK	1	271	25.69	26.13	25.86	
100	QPSK	135	0	25.01	25.10	25.07	27.0
100	QPSK	135	69	25.46	25.88	25.60	
100	QPSK	135	138	25.01	25.05	25.01	
100	QPSK	270	0	24.47	24.87	24.61	26.0
100	16QAM	1	1	24.52	24.94	24.71	26.0
100	64QAM	1	1	22.97	23.39	23.08	24.5
100	256QAM	1	1	20.50	20.92	20.63	22.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.91	26.61	26.38	27.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.88	26.53	26.39	27.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.91	26.59	26.34	27.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.88	26.60	26.32	27.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.86	26.61	26.34	27.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.88	26.58	26.35	27.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.95	26.60	26.38	27.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.94	26.59	26.38	27.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.88	26.54	26.39	27.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.91	26.55	26.33	27.0



<FR1 n41_PC1.5_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.56	25.67	25.56	26.0
100	PI/2 BPSK	1	137	25.35	25.44	25.35	
100	PI/2 BPSK	1	271	25.19	25.30	25.19	
100	PI/2 BPSK	135	0	25.38	25.50	25.40	25.5
100	PI/2 BPSK	135	69	25.45	25.55	25.47	26.0
100	PI/2 BPSK	135	138	25.32	25.40	25.29	25.5
100	PI/2 BPSK	270	0	25.39	25.50	25.42	
100	QPSK	1	1	25.42	25.54	25.43	26.0
100	QPSK	1	137	25.41	25.53	25.45	
100	QPSK	1	271	25.29	25.40	25.30	
100	QPSK	135	0	25.47	25.59	25.46	26.0
100	QPSK	135	69	25.42	25.51	25.42	
100	QPSK	135	138	25.28	25.39	25.28	
100	QPSK	270	0	24.85	24.98	24.90	25.0
100	16QAM	1	1	23.83	23.94	23.82	25.0
100	64QAM	1	1	22.27	22.39	22.30	23.5
100	256QAM	1	1	19.80	19.92	19.79	21.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.47	25.59	25.48	26.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.47	25.59	25.48	26.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.48	25.57	25.45	26.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.47	25.57	25.48	26.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.46	25.59	25.48	26.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.48	25.57	25.46	26.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.44	25.55	25.48	26.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.44	25.59	25.45	26.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.46	25.57	25.44	26.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.45	25.58	25.47	26.0



<FR1 n41_PC2_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.60	26.21	25.88	27.0
100	PI/2 BPSK	1	137	25.56	26.17	25.75	
100	PI/2 BPSK	1	271	25.33	25.98	25.61	
100	PI/2 BPSK	135	0	25.11	25.77	25.38	26.5
100	PI/2 BPSK	135	69	25.47	26.16	25.79	27.0
100	PI/2 BPSK	135	138	24.87	25.51	25.10	26.5
100	PI/2 BPSK	270	0	25.03	25.66	25.27	
100	QPSK	1	1	25.56	26.17	25.82	27.0
100	QPSK	1	137	25.49	26.20	25.82	
100	QPSK	1	271	25.35	25.98	25.62	
100	QPSK	135	0	25.06	25.26	25.26	27.0
100	QPSK	135	69	25.46	26.17	25.84	
100	QPSK	135	138	25.09	25.23	25.24	
100	QPSK	270	0	24.55	25.17	24.82	26.0
100	16QAM	1	1	24.79	25.40	25.07	26.0
100	64QAM	1	1	23.53	24.15	23.78	24.5
100	256QAM	1	1	21.12	21.77	21.38	22.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.52	26.15	25.82	27.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.54	26.17	25.87	27.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.55	26.20	25.80	27.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.59	26.18	25.84	27.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.57	26.14	25.85	27.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.56	26.17	25.80	27.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.55	26.20	25.79	27.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.57	26.18	25.84	27.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.56	26.15	25.78	27.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.50	26.19	25.79	27.0



<FR1 n41_PC1.5_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.79	25.10	24.85	26.0
100	PI/2 BPSK	1	137	24.59	24.98	24.53	
100	PI/2 BPSK	1	271	24.29	24.88	24.60	
100	PI/2 BPSK	135	0	24.04	24.53	24.12	25.5
100	PI/2 BPSK	135	69	24.63	25.24	24.77	26.0
100	PI/2 BPSK	135	138	23.65	24.36	23.80	25.5
100	PI/2 BPSK	270	0	23.91	24.52	24.32	
100	QPSK	1	1	24.59	24.92	24.53	26.0
100	QPSK	1	137	24.51	25.18	24.69	
100	QPSK	1	271	24.18	25.08	24.79	
100	QPSK	135	0	24.39	24.30	24.21	26.0
100	QPSK	135	69	24.57	25.01	24.78	
100	QPSK	135	138	24.27	24.13	24.38	
100	QPSK	270	0	23.59	24.01	23.64	25.0
100	16QAM	1	1	23.78	24.41	24.02	25.0
100	64QAM	1	1	22.52	23.17	22.86	23.5
100	256QAM	1	1	19.93	20.85	20.33	21.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.62	25.00	24.65	26.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.65	24.97	24.75	26.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	24.67	24.99	24.67	26.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.67	24.96	24.73	26.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.67	24.93	24.69	26.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.62	24.96	24.74	26.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.67	24.91	24.71	26.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.61	24.90	24.68	26.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.64	24.99	24.68	26.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.60	24.92	24.66	26.0



<FR1 n41_PC2_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	15.55	16.03	15.80	16.5
100	PI/2 BPSK	1	137	15.43	15.99	15.68	
100	PI/2 BPSK	1	271	15.33	15.88	15.63	
100	PI/2 BPSK	135	0	15.49	16.01	15.74	16.5
100	PI/2 BPSK	135	69	15.53	16.02	15.77	16.5
100	PI/2 BPSK	135	138	15.48	15.98	15.68	16.5
100	PI/2 BPSK	270	0	15.43	15.98	15.68	
100	QPSK	1	1	15.46	15.97	15.67	16.5
100	QPSK	1	137	15.42	15.95	15.67	
100	QPSK	1	271	15.42	15.91	15.66	
100	QPSK	135	0	15.53	16.01	15.77	16.5
100	QPSK	135	69	15.46	16.00	15.68	
100	QPSK	135	138	15.44	15.96	15.65	
100	QPSK	270	0	15.52	16.00	15.69	16.5
100	16QAM	1	1	15.43	15.98	15.73	16.5
100	64QAM	1	1	15.41	15.97	15.66	16.5
100	256QAM	1	1	15.20	15.71	15.40	16.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	15.55	15.93	15.71	16.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	15.45	16.02	15.80	16.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	15.50	16.00	15.77	16.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	15.48	15.98	15.77	16.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	15.52	16.00	15.71	16.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	15.47	16.01	15.75	16.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	15.45	15.94	15.75	16.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	15.48	16.01	15.70	16.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	15.52	15.97	15.80	16.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	15.53	16.01	15.71	16.5



<FR1 n41_PC1.5_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	14.27	14.80	14.67	15.5
100	PI/2 BPSK	1	137	14.33	14.84	14.38	
100	PI/2 BPSK	1	271	14.11	14.80	14.49	
100	PI/2 BPSK	135	0	14.40	14.86	14.51	15.5
100	PI/2 BPSK	135	69	14.40	14.79	14.72	15.5
100	PI/2 BPSK	135	138	14.31	14.95	14.49	15.5
100	PI/2 BPSK	270	0	14.40	14.96	14.43	
100	QPSK	1	1	14.38	14.94	14.62	15.5
100	QPSK	1	137	14.26	14.94	14.65	
100	QPSK	1	271	14.16	14.76	14.50	
100	QPSK	135	0	14.23	14.79	14.67	15.5
100	QPSK	135	69	14.27	14.90	14.43	
100	QPSK	135	138	14.43	14.94	14.63	
100	QPSK	270	0	14.34	14.97	14.67	15.5
100	16QAM	1	1	14.25	14.97	14.73	15.5
100	64QAM	1	1	14.22	14.73	14.60	15.5
100	256QAM	1	1	14.11	14.48	14.40	15.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	14.23	14.24	14.20	15.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	14.21	14.19	14.07	15.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	14.09	14.30	14.26	15.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	14.08	14.08	14.13	15.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	14.18	14.30	14.02	15.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	14.15	14.09	14.26	15.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	14.10	14.08	14.11	15.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	14.01	14.21	14.14	15.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	14.18	14.01	14.29	15.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	14.19	14.20	14.25	15.5



<FR1 n41_PC2_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.06	21.60	21.27	22.0
100	PI/2 BPSK	1	137	21.00	21.42	21.18	
100	PI/2 BPSK	1	271	20.82	21.28	21.04	
100	PI/2 BPSK	135	0	20.89	21.33	21.11	22.0
100	PI/2 BPSK	135	69	20.93	21.38	21.12	22.0
100	PI/2 BPSK	135	138	20.87	21.31	21.08	22.0
100	PI/2 BPSK	270	0	20.93	21.40	21.18	
100	QPSK	1	1	20.81	21.29	21.09	22.0
100	QPSK	1	137	20.83	21.23	21.04	
100	QPSK	1	271	20.84	21.27	21.07	
100	QPSK	135	0	20.78	21.23	21.05	22.0
100	QPSK	135	69	20.92	21.34	21.14	
100	QPSK	135	138	20.87	21.31	21.12	
100	QPSK	270	0	20.73	21.21	21.03	22.0
100	16QAM	1	1	20.76	21.14	20.87	22.0
100	64QAM	1	1	20.86	21.31	21.12	22.0
100	256QAM	1	1	20.78	21.21	21.00	22.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	21.06	21.37	21.17	22.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.99	21.40	21.26	22.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	21.03	21.38	21.18	22.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	21.05	21.42	21.19	22.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	21.01	21.41	21.23	22.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	21.01	21.35	21.18	22.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	21.00	21.39	21.18	22.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	21.05	21.40	21.22	22.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.97	21.39	21.22	22.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	21.04	21.41	21.27	22.0



<FR1 n41_PC1.5_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.89	20.48	20.16	21.0
100	PI/2 BPSK	1	137	19.89	20.41	20.06	
100	PI/2 BPSK	1	271	19.81	20.15	19.92	
100	PI/2 BPSK	135	0	19.86	20.32	19.96	21.0
100	PI/2 BPSK	135	69	19.91	20.30	19.98	21.0
100	PI/2 BPSK	135	138	19.86	20.21	19.93	21.0
100	PI/2 BPSK	270	0	19.89	20.37	20.02	
100	QPSK	1	1	19.69	20.22	19.99	21.0
100	QPSK	1	137	19.75	20.16	19.89	
100	QPSK	1	271	19.78	20.22	19.87	
100	QPSK	135	0	19.62	20.04	19.86	21.0
100	QPSK	135	69	19.77	20.18	20.12	
100	QPSK	135	138	19.67	20.30	20.00	
100	QPSK	270	0	19.64	20.16	19.94	21.0
100	16QAM	1	1	19.60	20.02	19.76	21.0
100	64QAM	1	1	19.74	20.18	20.05	21.0
100	256QAM	1	1	19.73	20.21	19.84	21.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	19.76	20.38	20.05	21.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.77	20.30	20.03	21.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	19.79	20.32	20.05	21.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.71	20.32	19.98	21.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.79	20.37	20.00	21.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.70	20.29	20.06	21.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.74	20.37	19.96	21.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.77	20.32	19.99	21.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	19.73	20.36	20.05	21.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	19.69	20.29	19.97	21.0



<FR1 n41_PC2_Ant 1_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	7.27	7.70	7.60	8.5
100	PI/2 BPSK	1	137	7.05	7.51	7.31	
100	PI/2 BPSK	1	271	7.00	7.45	7.30	
100	PI/2 BPSK	135	0	7.12	7.62	7.47	8.5
100	PI/2 BPSK	135	69	7.04	7.52	7.35	8.5
100	PI/2 BPSK	135	138	7.07	7.51	7.38	8.5
100	PI/2 BPSK	270	0	7.01	7.54	7.41	
100	QPSK	1	1	7.10	7.61	7.49	
100	QPSK	1	137	7.03	7.54	7.44	8.5
100	QPSK	1	271	6.97	7.48	7.32	
100	QPSK	135	0	7.06	7.55	7.39	
100	QPSK	135	69	7.07	7.52	7.40	8.5
100	QPSK	135	138	7.04	7.51	7.37	
100	QPSK	270	0	7.13	7.62	7.47	
100	16QAM	1	1	7.04	7.55	7.43	8.5
100	64QAM	1	1	7.12	7.60	7.40	8.5
100	256QAM	1	1	6.99	7.49	7.29	8.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	7.20	7.67	7.57	8.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	7.19	7.62	7.52	8.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	7.20	7.67	7.56	8.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	7.20	7.62	7.58	8.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	7.26	7.67	7.58	8.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	7.19	7.64	7.52	8.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	7.22	7.60	7.60	8.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	7.26	7.68	7.60	8.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	7.18	7.65	7.51	8.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	7.22	7.67	7.58	8.5



<FR1 n41_PC1.5_Ant 1_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	6.11	6.52	6.53	7.5
100	PI/2 BPSK	1	137	5.85	6.46	6.28	
100	PI/2 BPSK	1	271	5.97	6.28	6.16	
100	PI/2 BPSK	135	0	6.07	6.48	6.39	7.5
100	PI/2 BPSK	135	69	5.92	6.43	6.16	7.5
100	PI/2 BPSK	135	138	5.91	6.39	6.19	7.5
100	PI/2 BPSK	270	0	5.97	6.44	6.36	
100	QPSK	1	1	6.09	6.58	6.43	7.5
100	QPSK	1	137	5.96	6.40	6.37	
100	QPSK	1	271	5.81	6.35	6.26	
100	QPSK	135	0	5.86	6.37	6.21	7.5
100	QPSK	135	69	5.94	6.46	6.24	
100	QPSK	135	138	5.88	6.35	6.17	
100	QPSK	270	0	6.00	6.60	6.38	7.5
100	16QAM	1	1	5.93	6.49	6.34	7.5
100	64QAM	1	1	6.08	6.44	6.22	7.5
100	256QAM	1	1	5.89	6.49	6.23	7.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	6.20	6.30	6.15	7.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	6.10	6.26	6.07	7.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	6.19	6.30	6.03	7.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	6.10	6.18	6.29	7.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	6.10	6.15	6.30	7.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	6.08	6.16	6.14	7.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	6.04	6.24	6.02	7.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	6.14	6.30	6.30	7.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	6.27	6.09	6.15	7.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	6.17	6.11	6.05	7.5



<FR1 n41_PC2_Ant 3_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.51	24.10	23.73	25.0
100	PI/2 BPSK	1	137	23.29	23.63	23.33	
100	PI/2 BPSK	1	271	23.10	23.44	23.14	
100	PI/2 BPSK	135	0	23.44	23.86	23.58	24.5
100	PI/2 BPSK	135	69	23.52	23.88	23.58	25.0
100	PI/2 BPSK	135	138	23.45	23.75	23.45	24.5
100	PI/2 BPSK	270	0	23.48	23.87	23.57	
100	QPSK	1	1	23.75	24.06	23.76	25.0
100	QPSK	1	137	23.42	23.81	23.51	
100	QPSK	1	271	23.15	23.52	23.22	
100	QPSK	135	0	23.20	23.37	23.07	25.0
100	QPSK	135	69	23.36	23.85	23.55	
100	QPSK	135	138	23.16	23.22	23.23	
100	QPSK	270	0	22.98	23.36	23.06	24.0
100	16QAM	1	1	23.32	23.62	23.32	24.0
100	64QAM	1	1	21.89	22.24	21.94	22.5
100	256QAM	1	1	19.79	20.20	19.90	20.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.35	23.52	23.32	25.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.50	23.60	23.44	25.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	23.31	23.58	23.43	25.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.42	23.52	23.41	25.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.50	23.55	23.36	25.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.48	23.51	23.48	25.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.33	23.47	23.43	25.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.37	23.63	23.48	25.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.50	23.50	23.50	25.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.49	23.52	23.39	25.0



<FR1 n41_PC1.5_Ant 3_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.36	23.03	22.73	24.0
100	PI/2 BPSK	1	137	22.17	22.51	22.32	
100	PI/2 BPSK	1	271	22.02	22.37	22.00	
100	PI/2 BPSK	135	0	22.34	22.79	22.56	23.5
100	PI/2 BPSK	135	69	22.36	22.69	22.45	24.0
100	PI/2 BPSK	135	138	22.32	22.69	22.44	23.5
100	PI/2 BPSK	270	0	22.34	22.86	22.40	
100	QPSK	1	1	22.63	22.89	22.64	24.0
100	QPSK	1	137	22.37	22.72	22.38	
100	QPSK	1	271	22.05	22.49	22.12	
100	QPSK	135	0	22.18	22.21	22.00	24.0
100	QPSK	135	69	22.25	22.77	22.45	
100	QPSK	135	138	22.00	22.03	22.11	
100	QPSK	270	0	21.82	22.32	21.88	23.0
100	16QAM	1	1	22.16	22.42	22.15	23.0
100	64QAM	1	1	20.76	21.22	20.79	21.5
100	256QAM	1	1	18.60	19.09	18.75	19.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.10	22.92	22.62	24.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.13	22.88	22.58	24.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.17	22.80	22.46	24.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.06	22.93	22.52	24.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.25	22.76	22.49	24.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.07	22.74	22.49	24.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.07	22.77	22.61	24.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.07	22.79	22.45	24.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.08	22.87	22.53	24.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.16	22.93	22.49	24.0



<FR1 n48_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.70	21.63	21.72	22.0
40	PI/2 BPSK	1	53	21.43	21.45	21.52	
40	PI/2 BPSK	1	104	21.54	21.48	21.50	
40	PI/2 BPSK	50	0	21.47	21.45	21.49	22.0
40	PI/2 BPSK	50	28	21.48	21.49	21.53	22.0
40	PI/2 BPSK	50	56	21.29	21.32	21.31	22.0
40	PI/2 BPSK	100	0	21.41	21.43	21.47	
40	QPSK	1	1	21.51	21.47	21.46	22.0
40	QPSK	1	53	21.29	21.30	21.32	
40	QPSK	1	104	21.42	21.41	21.50	
40	QPSK	50	0	21.48	21.41	21.47	22.0
40	QPSK	50	28	21.43	21.45	21.48	
40	QPSK	50	56	21.31	21.30	21.39	
40	QPSK	100	0	21.30	21.32	21.41	22.0
40	16QAM	1	1	21.57	21.53	21.59	22.0
40	64QAM	1	1	21.55	21.50	21.49	22.0
40	256QAM	1	1	19.50	19.43	19.50	19.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.69	21.58	21.63	22.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.63	21.61	21.69	22.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.61	21.61	21.66	22.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.64	21.61	21.71	22.0



<FR1 n48_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.91	20.93	20.92	22.0
40	PI/2 BPSK	1	53	20.69	20.81	20.71	
40	PI/2 BPSK	1	104	20.75	20.85	20.78	
40	PI/2 BPSK	50	0	20.70	20.74	20.66	22.0
40	PI/2 BPSK	50	28	20.73	20.77	20.76	22.0
40	PI/2 BPSK	50	56	20.63	20.72	20.71	22.0
40	PI/2 BPSK	100	0	20.67	20.79	20.77	
40	QPSK	1	1	20.76	20.82	20.73	22.0
40	QPSK	1	53	20.63	20.71	20.62	
40	QPSK	1	104	20.74	20.84	20.80	
40	QPSK	50	0	20.75	20.77	20.68	22.0
40	QPSK	50	28	20.81	20.84	20.82	
40	QPSK	50	56	20.73	20.82	20.80	
40	QPSK	100	0	20.77	20.81	20.76	22.0
40	16QAM	1	1	20.72	20.82	20.72	22.0
40	64QAM	1	1	20.69	20.81	20.78	22.0
40	256QAM	1	1	18.38	18.43	18.39	19.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	20.81	20.88	20.90	22.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	20.90	20.88	20.89	22.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	20.85	20.89	20.88	22.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	20.88	20.83	20.91	22.0



<FR1 n48_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	8.84	8.95	8.92	9.5
40	PI/2 BPSK	1	53	8.59	8.72	8.63	
40	PI/2 BPSK	1	104	8.66	8.77	8.65	
40	PI/2 BPSK	50	0	8.52	8.72	8.69	9.5
40	PI/2 BPSK	50	28	8.68	8.89	8.80	9.5
40	PI/2 BPSK	50	56	8.52	8.66	8.55	9.5
40	PI/2 BPSK	100	0	8.57	8.74	8.65	
40	QPSK	1	1	8.76	8.90	8.84	9.5
40	QPSK	1	53	8.49	8.67	8.58	
40	QPSK	1	104	8.69	8.84	8.72	
40	QPSK	50	0	8.52	8.73	8.70	9.5
40	QPSK	50	28	8.38	8.57	8.50	
40	QPSK	50	56	8.53	8.68	8.65	
40	QPSK	100	0	8.57	8.71	8.63	9.5
40	16QAM	1	1	8.67	8.83	8.78	9.5
40	64QAM	1	1	8.76	8.90	8.79	9.5
40	256QAM	1	1	8.63	8.80	8.67	9.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	8.76	8.85	8.83	9.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	8.82	8.92	8.90	9.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	8.76	8.85	8.90	9.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	8.74	8.88	8.86	9.5



<FR1 n48_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	17.30	17.34	17.27	17.5
40	PI/2 BPSK	1	53	16.97	17.09	16.98	
40	PI/2 BPSK	1	104	17.01	17.10	16.97	
40	PI/2 BPSK	50	0	16.99	17.05	16.92	17.5
40	PI/2 BPSK	50	28	16.99	17.06	16.94	17.5
40	PI/2 BPSK	50	56	16.91	16.97	16.85	17.5
40	PI/2 BPSK	100	0	16.93	17.03	16.96	
40	QPSK	1	1	17.14	17.20	17.07	17.5
40	QPSK	1	53	17.05	17.12	17.05	
40	QPSK	1	104	17.09	17.22	17.10	
40	QPSK	50	0	16.94	17.06	16.98	17.5
40	QPSK	50	28	16.91	17.03	16.92	
40	QPSK	50	56	16.93	16.99	16.87	
40	QPSK	100	0	16.95	17.01	16.92	17.5
40	16QAM	1	1	16.98	17.11	16.97	17.5
40	64QAM	1	1	17.12	17.23	17.10	17.5
40	256QAM	1	1	16.83	16.95	16.82	17.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	17.29	17.33	17.20	17.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	17.28	17.27	17.24	17.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	17.29	17.27	17.19	17.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	17.21	17.31	17.20	17.5



<FR1 n77_PC3_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.40	23.41	23.20	24.0
100	PI/2 BPSK	1	137	22.88	22.94	22.67	
100	PI/2 BPSK	1	271	22.77	22.86	22.58	
100	PI/2 BPSK	135	0	22.63	22.65	22.39	23.5
100	PI/2 BPSK	135	69	23.01	23.10	22.84	24.0
100	PI/2 BPSK	135	138	22.66	22.67	22.45	23.5
100	PI/2 BPSK	270	0	22.68	22.75	22.47	
100	QPSK	1	1	22.84	22.89	22.63	24.0
100	QPSK	1	137	22.87	22.95	22.69	
100	QPSK	1	271	22.91	23.01	22.76	
100	QPSK	135	0	22.26	22.28	22.18	24.0
100	QPSK	135	69	22.96	23.04	22.74	
100	QPSK	135	138	22.12	22.17	22.06	
100	QPSK	270	0	22.14	22.23	22.01	23.0
100	16QAM	1	1	21.92	21.93	21.72	23.0
100	64QAM	1	1	20.71	20.75	20.54	21.5
100	256QAM	1	1	18.28	18.39	18.17	19.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.33	23.31	23.18	24.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.35	23.35	23.10	24.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.39	23.35	23.11	24.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.34	23.37	23.18	24.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.40	23.32	23.10	24.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.33	23.40	23.12	24.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.30	23.34	23.12	24.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.30	23.40	23.11	24.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.38	23.32	23.17	24.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.36	23.36	23.17	24.0



<FR1 n77_PC3_Ant 0_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	17.44	17.45	17.28	18.5
100	PI/2 BPSK	1	137	17.41	17.43	17.25	
100	PI/2 BPSK	1	271	17.18	17.27	17.04	
100	PI/2 BPSK	135	0	17.30	17.38	17.18	18.5
100	PI/2 BPSK	135	69	17.32	17.42	17.22	18.5
100	PI/2 BPSK	135	138	17.27	17.33	17.15	18.5
100	PI/2 BPSK	270	0	17.25	17.30	17.08	
100	QPSK	1	1	17.25	17.34	17.15	
100	QPSK	1	137	17.26	17.27	17.05	18.5
100	QPSK	1	271	17.18	17.21	16.97	
100	QPSK	135	0	17.36	17.40	17.23	
100	QPSK	135	69	17.27	17.31	17.04	18.5
100	QPSK	135	138	17.17	17.22	17.02	
100	QPSK	270	0	17.18	17.29	17.08	
100	16QAM	1	1	17.10	17.17	16.97	18.5
100	64QAM	1	1	17.04	17.15	16.96	18.5
100	256QAM	1	1	16.98	17.05	16.82	18.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	17.43	17.35	17.18	18.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	17.36	17.39	17.28	18.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	17.36	17.38	17.25	18.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	17.40	17.38	17.18	18.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	17.35	17.37	17.18	18.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	17.34	17.36	17.26	18.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	17.39	17.40	17.22	18.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	17.44	17.36	17.28	18.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	17.36	17.36	17.24	18.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	17.37	17.41	17.26	18.5



<FR1 n77_PC3_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.06	22.98	22.90	24.0
100	PI/2 BPSK	1	137	22.96	22.84	22.76	
100	PI/2 BPSK	1	271	22.85	22.77	22.62	
100	PI/2 BPSK	135	0	22.47	22.39	22.26	23.5
100	PI/2 BPSK	135	69	22.96	22.81	22.79	24.0
100	PI/2 BPSK	135	138	22.38	22.27	22.13	23.5
100	PI/2 BPSK	270	0	22.43	22.35	22.21	
100	QPSK	1	1	22.88	22.79	22.70	24.0
100	QPSK	1	137	22.89	22.79	22.64	
100	QPSK	1	271	22.82	22.71	22.58	
100	QPSK	135	0	22.17	22.10	22.01	24.0
100	QPSK	135	69	22.87	22.78	22.68	
100	QPSK	135	138	22.15	22.11	22.09	
100	QPSK	270	0	21.81	21.69	21.59	23.0
100	16QAM	1	1	21.90	21.76	21.65	23.0
100	64QAM	1	1	20.64	20.48	20.46	21.5
100	256QAM	1	1	18.18	18.01	17.92	19.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.04	22.97	22.85	24.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.05	22.94	22.90	24.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.96	22.93	22.86	24.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.99	22.95	22.81	24.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.05	22.92	22.85	24.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.03	22.95	22.80	24.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.00	22.94	22.89	24.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.04	22.96	22.86	24.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.02	22.92	22.90	24.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.04	22.98	22.85	24.0



<FR1 n77_PC3_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	9.31	9.38	9.29	10.0
100	PI/2 BPSK	1	137	9.25	9.32	9.15	
100	PI/2 BPSK	1	271	9.11	9.28	9.09	
100	PI/2 BPSK	135	0	9.15	9.28	9.16	10.0
100	PI/2 BPSK	135	69	9.18	9.31	9.17	10.0
100	PI/2 BPSK	135	138	9.09	9.22	9.08	10.0
100	PI/2 BPSK	270	0	9.21	9.30	9.11	
100	QPSK	1	1	9.20	9.28	9.16	
100	QPSK	1	137	9.05	9.16	9.03	10.0
100	QPSK	1	271	9.22	9.31	9.21	
100	QPSK	135	0	9.17	9.25	9.08	
100	QPSK	135	69	9.02	9.18	9.00	10.0
100	QPSK	135	138	9.11	9.20	9.04	
100	QPSK	270	0	9.18	9.25	9.15	
100	16QAM	1	1	9.14	9.30	9.18	10.0
100	64QAM	1	1	9.17	9.27	9.15	10.0
100	256QAM	1	1	9.19	9.28	9.15	10.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	9.24	9.35	9.23	10.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	9.24	9.36	9.21	10.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	9.25	9.31	9.24	10.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	9.30	9.36	9.20	10.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	9.26	9.36	9.29	10.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	9.23	9.29	9.28	10.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	9.26	9.35	9.24	10.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	9.24	9.29	9.27	10.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	9.29	9.36	9.29	10.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	9.31	9.35	9.21	10.0



<FR1 n77_PC3_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	15.98	16.06	16.02	17.0
100	PI/2 BPSK	1	137	15.81	15.93	15.84	
100	PI/2 BPSK	1	271	15.94	16.02	15.91	
100	PI/2 BPSK	135	0	15.81	15.97	15.90	17.0
100	PI/2 BPSK	135	69	15.87	15.98	15.84	17.0
100	PI/2 BPSK	135	138	15.82	15.97	15.88	17.0
100	PI/2 BPSK	270	0	15.86	15.95	15.91	
100	QPSK	1	1	15.93	16.01	15.89	17.0
100	QPSK	1	137	15.87	15.97	15.85	
100	QPSK	1	271	15.82	15.94	15.82	
100	QPSK	135	0	15.87	15.99	15.86	17.0
100	QPSK	135	69	15.71	15.88	15.83	
100	QPSK	135	138	15.74	15.92	15.82	
100	QPSK	270	0	15.82	15.95	15.86	17.0
100	16QAM	1	1	15.73	15.82	15.72	17.0
100	64QAM	1	1	15.93	16.04	15.92	17.0
100	256QAM	1	1	15.87	15.97	15.89	17.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	15.95	16.02	15.97	17.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	15.96	16.04	15.94	17.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	15.88	15.97	15.95	17.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	15.96	15.99	15.93	17.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	15.98	16.02	15.95	17.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	15.98	16.01	15.95	17.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	15.91	15.96	16.00	17.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	15.91	16.02	16.02	17.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	15.95	16.05	16.02	17.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	15.96	16.01	15.92	17.0



<FR1 n77_PC3_Ant 1_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	2.65	2.66	2.64	3.0
100	PI/2 BPSK	1	137	2.48	2.57	2.48	
100	PI/2 BPSK	1	271	2.45	2.52	2.49	
100	PI/2 BPSK	135	0	2.47	2.50	2.46	3.0
100	PI/2 BPSK	135	69	2.45	2.53	2.44	3.0
100	PI/2 BPSK	135	138	2.36	2.37	2.35	3.0
100	PI/2 BPSK	270	0	2.40	2.43	2.35	
100	QPSK	1	1	2.46	2.56	2.48	3.0
100	QPSK	1	137	2.32	2.43	2.37	
100	QPSK	1	271	2.39	2.50	2.45	
100	QPSK	135	0	2.45	2.47	2.37	3.0
100	QPSK	135	69	2.30	2.38	2.36	
100	QPSK	135	138	2.34	2.40	2.35	
100	QPSK	270	0	2.33	2.44	2.40	3.0
100	16QAM	1	1	2.50	2.52	2.45	3.0
100	64QAM	1	1	2.45	2.55	2.43	3.0
100	256QAM	1	1	2.52	2.58	2.55	3.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	2.42	2.53	2.48	3.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	2.45	2.48	2.41	3.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	2.45	2.48	2.47	3.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	2.42	2.48	2.46	3.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	2.44	2.56	2.40	3.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	2.44	2.47	2.38	3.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	2.42	2.48	2.39	3.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	2.45	2.52	2.47	3.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	2.43	2.51	2.38	3.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	2.36	2.50	2.39	3.0



<FR1 n77_PC3_Ant 3_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	18.15	18.20	18.19	18.5
100	PI/2 BPSK	1	137	18.14	18.03	18.18	
100	PI/2 BPSK	1	271	18.06	18.17	18.15	
100	PI/2 BPSK	135	0	18.16	17.99	18.03	18.5
100	PI/2 BPSK	135	69	18.03	18.17	18.09	18.5
100	PI/2 BPSK	135	138	18.10	18.04	18.06	18.5
100	PI/2 BPSK	270	0	18.15	18.01	18.19	
100	QPSK	1	1	18.14	18.17	18.07	18.5
100	QPSK	1	137	18.15	18.16	18.13	
100	QPSK	1	271	18.12	18.16	18.12	
100	QPSK	135	0	18.01	18.02	18.07	18.5
100	QPSK	135	69	18.17	18.19	18.16	
100	QPSK	135	138	18.10	17.99	18.07	
100	QPSK	270	0	18.14	18.09	18.00	18.5
100	16QAM	1	1	18.05	18.16	18.05	18.5
100	64QAM	1	1	18.19	18.10	18.09	18.5
100	256QAM	1	1	18.06	18.01	18.19	18.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	18.00	18.05	18.14	18.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	18.14	18.16	17.96	18.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	18.09	18.00	17.95	18.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	18.04	18.15	18.13	18.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	18.00	18.18	17.96	18.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	18.06	18.04	18.04	18.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	17.99	18.02	17.95	18.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	18.14	18.18	18.14	18.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	18.08	18.02	18.11	18.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	18.00	18.09	17.98	18.5



<FR1 n77_PC2_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.92	25.93	25.80	27.0
100	PI/2 BPSK	1	137	25.85	25.71	25.55	
100	PI/2 BPSK	1	271	25.88	25.76	25.67	
100	PI/2 BPSK	135	0	25.92	25.91	25.85	26.5
100	PI/2 BPSK	135	69	25.80	25.84	25.87	27.0
100	PI/2 BPSK	135	138	25.86	25.88	25.88	26.5
100	PI/2 BPSK	270	0	25.84	25.87	25.81	
100	QPSK	1	1	25.91	25.86	25.86	27.0
100	QPSK	1	137	25.88	25.87	25.86	
100	QPSK	1	271	25.91	25.86	25.87	
100	QPSK	135	0	25.91	25.89	25.87	27.0
100	QPSK	135	69	25.87	25.87	25.83	
100	QPSK	135	138	25.88	25.91	25.90	
100	QPSK	270	0	25.25	25.32	25.42	26.0
100	16QAM	1	1	25.35	25.40	25.24	26.0
100	64QAM	1	1	23.97	23.77	23.86	24.5
100	256QAM	1	1	21.79	21.73	21.98	22.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.82	25.84	25.72	27.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.85	25.91	25.75	27.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.90	25.84	25.80	27.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.90	25.88	25.77	27.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.86	25.83	25.74	27.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.85	25.86	25.78	27.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.90	25.86	25.74	27.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.92	25.90	25.71	27.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.83	25.92	25.77	27.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.86	25.88	25.71	27.0



<FR1 n77_PC1.5_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

Channel	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000	656000	662000	
Frequency (MHz)					3750	3840	3930	
100		PI/2 BPSK	1	1	25.00	24.81	24.81	26.0
100		PI/2 BPSK	1	137	25.94	25.76	25.82	
100		PI/2 BPSK	1	271	24.89	24.78	24.74	
100		PI/2 BPSK	135	0	24.92	24.81	24.80	25.5
100		PI/2 BPSK	135	69	24.89	24.74	24.73	26.0
100		PI/2 BPSK	135	138	24.81	24.71	24.65	25.5
100		PI/2 BPSK	270	0	24.87	24.74	24.77	
100		QPSK	1	1	24.92	24.81	24.81	26.0
100		QPSK	1	137	24.91	24.81	24.74	
100		QPSK	1	271	24.81	24.70	24.70	
100		QPSK	135	0	24.92	24.72	24.79	26.0
100		QPSK	135	69	24.91	24.75	24.75	
100		QPSK	135	138	24.84	24.68	24.66	
100		QPSK	270	0	24.84	24.66	24.66	25.0
100		16QAM	1	1	25.00	24.85	24.85	25.0
100		64QAM	1	1	23.50	23.34	23.31	23.5
100		256QAM	1	1	21.39	21.20	21.21	21.5
Channel					649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)					3745.02	3840	3934.98	
90		PI/2 BPSK	1	1	25.23	25.23	25.10	26.0
Channel					649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)					3740.01	3840	3939.99	
80		PI/2 BPSK	1	1	25.47	25.27	25.21	26.0
Channel					649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)					3735	3840	3945	
70		PI/2 BPSK	1	1	25.11	25.36	25.07	26.0
Channel					648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)					3730.02	3840	3949.98	
60		PI/2 BPSK	1	1	25.34	25.29	25.17	26.0
Channel					648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)					3725.01	3840	3954.99	
50		PI/2 BPSK	1	1	25.14	25.09	25.39	26.0
Channel					648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)					3720	3840	3960	
40		PI/2 BPSK	1	1	25.26	25.41	25.32	26.0
Channel					647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)					3715.02	3840.00	3964.98	
30		PI/2 BPSK	1	1	25.42	25.38	25.37	26.0
Channel					647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)					3710.01	3840	3969.99	
20		PI/2 BPSK	1	1	25.16	25.35	25.43	26.0
Channel					647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)					3707.52	3840	3972.48	
15		PI/2 BPSK	1	1	25.47	25.32	25.14	26.0
Channel					647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)					3705	3840	3975	
10		PI/2 BPSK	1	1	25.39	25.43	25.17	26.0



<FR1 n77_PC2_Ant 0_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.38	20.44	20.38	21.5
100	PI/2 BPSK	1	137	20.27	20.36	20.25	
100	PI/2 BPSK	1	271	20.21	20.30	20.19	
100	PI/2 BPSK	135	0	20.15	20.24	20.16	21.5
100	PI/2 BPSK	135	69	20.15	20.21	20.09	21.5
100	PI/2 BPSK	135	138	20.16	20.29	20.15	21.5
100	PI/2 BPSK	270	0	20.07	20.22	20.10	
100	QPSK	1	1	20.01	20.09	19.98	21.5
100	QPSK	1	137	20.12	20.28	20.15	
100	QPSK	1	271	20.04	20.19	20.04	
100	QPSK	135	0	20.01	20.17	20.03	21.5
100	QPSK	135	69	20.15	20.24	20.11	
100	QPSK	135	138	20.15	20.28	20.20	
100	QPSK	270	0	20.02	20.16	20.01	21.5
100	16QAM	1	1	20.09	20.20	20.08	21.5
100	64QAM	1	1	20.09	20.21	20.05	21.5
100	256QAM	1	1	20.10	20.17	20.04	21.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.33	20.41	20.36	21.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.34	20.42	20.36	21.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.32	20.39	20.37	21.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.28	20.40	20.28	21.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.30	20.41	20.28	21.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.37	20.38	20.31	21.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.37	20.39	20.36	21.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.33	20.38	20.36	21.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.38	20.43	20.31	21.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.38	20.37	20.35	21.5



<FR1 n77_PC1.5_Ant 0_Sensor ON_Tablet Mode>

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	20.5
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.44	19.50	19.44	20.5
100	PI/2 BPSK	1	137	19.33	19.42	19.31	
100	PI/2 BPSK	1	271	19.27	19.36	19.25	
100	PI/2 BPSK	135	0	19.21	19.30	19.22	20.5
100	PI/2 BPSK	135	69	19.21	19.27	19.15	20.5
100	PI/2 BPSK	135	138	19.22	19.35	19.21	20.5
100	PI/2 BPSK	270	0	19.13	19.28	19.16	
100	QPSK	1	1	19.07	19.15	19.04	20.5
100	QPSK	1	137	19.18	19.34	19.21	
100	QPSK	1	271	19.10	19.25	19.10	
100	QPSK	135	0	19.07	19.23	19.09	20.5
100	QPSK	135	69	19.21	19.30	19.17	
100	QPSK	135	138	19.21	19.34	19.26	
100	QPSK	270	0	19.08	19.22	19.07	20.5
100	16QAM	1	1	19.15	19.26	19.14	20.5
100	64QAM	1	1	19.15	19.27	19.11	20.5
100	256QAM	1	1	19.16	19.23	19.10	20.5
Channel				649668	656000	662332	20.5
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.31	19.39	19.31	20.5
Channel				649334	656000	662666	20.5
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.27	19.37	19.30	20.5
Channel				649000	656000	663000	20.5
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.34	19.39	19.31	20.5
Channel				648668	656000	663332	20.5
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.27	19.33	19.27	20.5
Channel				648334	656000	663666	20.5
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.25	19.34	19.26	20.5
Channel				648000	656000	664000	20.5
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.28	19.33	19.28	20.5
Channel				647668	656000	664332	20.5
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.33	19.38	19.26	20.5
Channel				647334	656000	664666	20.5
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.01	19.14	19.11	20.5
Channel				647168	656000	664832	20.5
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.13	19.00	19.08	20.5
Channel				647000	656000	665000	20.5
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.22	19.16	19.16	20.5



<FR1 n77_PC2_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.81	25.65	25.64	27.0
100	PI/2 BPSK	1	137	25.73	25.56	25.53	
100	PI/2 BPSK	1	271	25.62	25.46	25.40	
100	PI/2 BPSK	135	0	25.19	24.97	24.92	26.5
100	PI/2 BPSK	135	69	25.73	25.47	25.53	27.0
100	PI/2 BPSK	135	138	25.17	24.95	25.00	26.5
100	PI/2 BPSK	270	0	25.23	25.06	24.99	
100	QPSK	1	1	25.68	25.48	25.45	27.0
100	QPSK	1	137	25.61	25.39	25.35	
100	QPSK	1	271	25.57	25.33	25.37	
100	QPSK	135	0	25.27	25.07	25.07	27.0
100	QPSK	135	69	25.65	25.48	25.45	
100	QPSK	135	138	25.16	25.06	25.02	
100	QPSK	270	0	24.68	24.49	24.46	26.0
100	16QAM	1	1	24.58	24.38	24.32	26.0
100	64QAM	1	1	23.57	23.41	23.38	24.5
100	256QAM	1	1	21.26	21.04	21.09	22.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.71	25.64	25.56	27.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.71	25.55	25.61	27.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.79	25.59	25.64	27.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.77	25.57	25.60	27.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.73	25.58	25.58	27.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.79	25.61	25.61	27.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.76	25.56	25.55	27.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.78	25.56	25.60	27.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.74	25.57	25.61	27.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.71	25.59	25.63	27.0



<FR1 n77_PC1.5_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.77	24.64	24.50	26.0
100	PI/2 BPSK	1	137	24.55	24.52	24.53	
100	PI/2 BPSK	1	271	24.49	24.40	24.35	
100	PI/2 BPSK	135	0	24.01	23.81	23.79	25.5
100	PI/2 BPSK	135	69	24.57	24.31	24.34	26.0
100	PI/2 BPSK	135	138	24.14	23.89	23.86	25.5
100	PI/2 BPSK	270	0	24.10	24.01	23.91	
100	QPSK	1	1	24.67	24.29	24.42	26.0
100	QPSK	1	137	24.61	24.29	24.31	
100	QPSK	1	271	24.37	24.19	24.34	
100	QPSK	135	0	24.11	24.12	24.02	26.0
100	QPSK	135	69	24.45	24.37	24.43	
100	QPSK	135	138	24.15	24.06	24.01	
100	QPSK	270	0	23.54	23.49	23.42	25.0
100	16QAM	1	1	23.38	23.31	23.12	25.0
100	64QAM	1	1	22.43	22.25	22.26	23.5
100	256QAM	1	1	20.10	19.90	20.02	21.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.58	24.48	24.37	26.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.57	24.50	24.32	26.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.63	24.49	24.37	26.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.60	24.48	24.35	26.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.63	24.54	24.39	26.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.57	24.47	24.33	26.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.58	24.53	24.40	26.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.61	24.52	24.34	26.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.65	24.47	24.30	26.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.58	24.46	24.30	26.0



<FR1 n77_PC2_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	12.19	12.20	12.13	13.0
100	PI/2 BPSK	1	137	12.10	12.16	12.03	
100	PI/2 BPSK	1	271	12.03	12.12	12.02	
100	PI/2 BPSK	135	0	12.09	12.18	12.08	13.0
100	PI/2 BPSK	135	69	12.05	12.14	11.99	13.0
100	PI/2 BPSK	135	138	12.06	12.07	11.92	13.0
100	PI/2 BPSK	270	0	12.08	12.10	12.01	
100	QPSK	1	1	12.08	12.13	12.04	13.0
100	QPSK	1	137	11.95	12.02	11.94	
100	QPSK	1	271	11.97	12.08	12.00	
100	QPSK	135	0	12.08	12.16	12.01	13.0
100	QPSK	135	69	12.10	12.12	12.01	
100	QPSK	135	138	11.98	12.06	11.89	
100	QPSK	270	0	12.11	12.15	12.08	13.0
100	16QAM	1	1	12.03	12.14	12.06	13.0
100	64QAM	1	1	12.04	12.13	11.98	13.0
100	256QAM	1	1	11.83	11.87	11.77	13.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	12.14	12.17	12.13	13.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	12.14	12.12	12.08	13.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	12.12	12.14	12.05	13.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	12.09	12.19	12.10	13.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	12.09	12.12	12.07	13.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	12.17	12.16	12.05	13.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	12.14	12.17	12.11	13.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	12.17	12.13	12.09	13.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	12.13	12.11	12.08	13.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	12.12	12.12	12.12	13.0



<FR1 n77_PC1.5_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	11.13	11.08	10.94	12.0
100	PI/2 BPSK	1	137	10.90	11.00	11.02	
100	PI/2 BPSK	1	271	10.97	11.10	10.98	
100	PI/2 BPSK	135	0	11.04	11.16	10.99	12.0
100	PI/2 BPSK	135	69	11.05	11.06	10.89	12.0
100	PI/2 BPSK	135	138	11.02	10.98	10.73	12.0
100	PI/2 BPSK	270	0	10.98	11.08	10.92	
100	QPSK	1	1	10.88	11.02	11.04	12.0
100	QPSK	1	137	10.92	10.97	10.78	
100	QPSK	1	271	10.90	11.02	10.87	
100	QPSK	135	0	10.93	11.08	10.91	12.0
100	QPSK	135	69	11.04	11.07	10.94	
100	QPSK	135	138	10.86	10.86	10.88	
100	QPSK	270	0	11.01	11.09	11.07	12.0
100	16QAM	1	1	10.96	11.14	10.88	12.0
100	64QAM	1	1	10.93	11.10	10.91	12.0
100	256QAM	1	1	10.76	10.72	10.76	12.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	10.59	10.78	10.55	12.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	10.65	10.53	10.66	12.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	10.75	10.59	10.51	12.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	10.60	10.66	10.55	12.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	10.58	10.68	10.55	12.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	10.74	10.57	10.54	12.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	10.61	10.78	10.57	12.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	10.79	10.80	10.64	12.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	10.75	10.59	10.67	12.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	10.67	10.55	10.67	12.0



<FR1 n77_PC2_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.03	19.04	18.92	20.0
100	PI/2 BPSK	1	137	18.84	18.95	18.74	
100	PI/2 BPSK	1	271	18.89	18.92	18.76	
100	PI/2 BPSK	135	0	18.84	18.91	18.74	20.0
100	PI/2 BPSK	135	69	18.87	18.88	18.74	20.0
100	PI/2 BPSK	135	138	18.82	18.84	18.62	20.0
100	PI/2 BPSK	270	0	18.92	18.94	18.81	
100	QPSK	1	1	18.80	18.84	18.64	20.0
100	QPSK	1	137	18.87	18.91	18.75	
100	QPSK	1	271	18.83	18.93	18.74	
100	QPSK	135	0	18.77	18.87	18.75	20.0
100	QPSK	135	69	18.79	18.81	18.62	
100	QPSK	135	138	18.83	18.86	18.67	
100	QPSK	270	0	18.70	18.81	18.65	20.0
100	16QAM	1	1	18.86	18.92	18.72	20.0
100	64QAM	1	1	18.82	18.90	18.78	20.0
100	256QAM	1	1	18.74	18.83	18.68	20.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	18.94	18.98	18.84	20.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	18.94	18.99	18.86	20.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	18.95	18.99	18.86	20.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	18.98	19.01	18.86	20.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.00	18.97	18.87	20.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	18.97	19.01	18.88	20.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.02	19.01	18.82	20.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	18.95	18.96	18.91	20.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	18.97	18.99	18.88	20.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	18.96	18.95	18.82	20.0



<FR1 n77_PC1.5_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	17.90	17.84	17.75	19.0
100	PI/2 BPSK	1	137	17.70	17.76	17.57	
100	PI/2 BPSK	1	271	17.81	17.78	17.60	
100	PI/2 BPSK	135	0	17.72	17.91	17.61	19.0
100	PI/2 BPSK	135	69	17.69	17.83	17.57	19.0
100	PI/2 BPSK	135	138	17.71	17.83	17.61	19.0
100	PI/2 BPSK	270	0	17.75	17.85	17.78	
100	QPSK	1	1	17.80	17.64	17.51	19.0
100	QPSK	1	137	17.76	17.87	17.67	
100	QPSK	1	271	17.79	17.79	17.69	
100	QPSK	135	0	17.65	17.70	17.72	19.0
100	QPSK	135	69	17.59	17.65	17.61	
100	QPSK	135	138	17.63	17.84	17.65	
100	QPSK	270	0	17.52	17.75	17.65	19.0
100	16QAM	1	1	17.74	17.75	17.67	19.0
100	64QAM	1	1	17.62	17.76	17.64	19.0
100	256QAM	1	1	17.54	17.70	17.66	19.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	17.79	17.69	17.60	19.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	17.77	17.74	17.57	19.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	17.73	17.73	17.55	19.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	17.73	17.67	17.59	19.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	17.74	17.68	17.55	19.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	17.71	17.64	17.60	19.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	17.79	17.71	17.58	19.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	17.71	17.70	17.63	19.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	17.70	17.64	17.55	19.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	17.75	17.73	17.61	19.0



<FR1 n77_PC2_Ant 1_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	5.62	5.66	5.47	6.0
100	PI/2 BPSK	1	137	5.11	5.22	4.94	
100	PI/2 BPSK	1	271	5.08	5.13	4.93	
100	PI/2 BPSK	135	0	5.11	5.17	4.88	6.0
100	PI/2 BPSK	135	69	5.02	5.14	4.89	6.0
100	PI/2 BPSK	135	138	4.84	4.98	4.79	6.0
100	PI/2 BPSK	270	0	5.06	5.12	4.84	
100	QPSK	1	1	4.99	5.11	4.89	
100	QPSK	1	137	5.02	5.07	4.81	6.0
100	QPSK	1	271	4.99	5.09	4.88	
100	QPSK	135	0	5.03	5.16	4.90	
100	QPSK	135	69	5.02	5.08	4.88	6.0
100	QPSK	135	138	4.93	5.00	4.71	
100	QPSK	270	0	5.03	5.09	4.90	
100	16QAM	1	1	5.21	5.27	5.02	6.0
100	64QAM	1	1	5.12	5.25	5.00	6.0
100	256QAM	1	1	5.08	5.16	4.94	6.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	5.54	5.64	5.38	6.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	5.54	5.61	5.38	6.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	5.61	5.61	5.46	6.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	5.53	5.58	5.43	6.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	5.62	5.60	5.47	6.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	5.52	5.60	5.38	6.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	5.53	5.60	5.39	6.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	5.56	5.63	5.37	6.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	5.57	5.62	5.45	6.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	5.61	5.56	5.39	6.0



<FR1 n77_PC1.5_Ant 1_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	4.46	4.53	4.35	5.0
100	PI/2 BPSK	1	137	3.96	4.05	3.75	
100	PI/2 BPSK	1	271	3.89	4.00	3.91	
100	PI/2 BPSK	135	0	4.04	3.98	3.85	5.0
100	PI/2 BPSK	135	69	3.94	4.06	3.89	5.0
100	PI/2 BPSK	135	138	3.71	3.89	3.78	5.0
100	PI/2 BPSK	270	0	4.03	4.03	3.64	
100	QPSK	1	1	3.79	3.95	3.88	5.0
100	QPSK	1	137	3.90	3.90	3.69	
100	QPSK	1	271	3.87	3.96	3.70	
100	QPSK	135	0	3.99	4.12	3.83	5.0
100	QPSK	135	69	3.90	4.08	3.87	
100	QPSK	135	138	3.81	3.97	3.67	
100	QPSK	270	0	3.84	3.97	3.79	5.0
100	16QAM	1	1	4.08	4.13	3.90	5.0
100	64QAM	1	1	4.04	4.10	3.84	5.0
100	256QAM	1	1	4.08	3.99	3.78	5.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	3.52	3.59	3.69	5.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	3.58	3.79	3.74	5.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	3.67	3.80	3.70	5.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	3.78	3.79	3.74	5.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	3.60	3.74	3.77	5.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	3.79	3.74	3.74	5.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	3.78	3.74	3.61	5.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	3.57	3.77	3.58	5.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	3.70	3.77	3.61	5.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	3.60	3.64	3.57	5.0



<FR1 n77_PC2_Ant 3_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.21	21.26	21.25	21.5
100	PI/2 BPSK	1	137	21.06	21.08	21.01	
100	PI/2 BPSK	1	271	21.03	21.01	21.00	
100	PI/2 BPSK	135	0	21.11	21.09	21.12	21.5
100	PI/2 BPSK	135	69	21.00	21.10	21.05	21.5
100	PI/2 BPSK	135	138	21.20	21.15	21.00	21.5
100	PI/2 BPSK	270	0	21.15	21.03	21.03	
100	QPSK	1	1	21.05	21.18	21.07	21.5
100	QPSK	1	137	21.00	21.02	21.11	
100	QPSK	1	271	21.15	21.13	21.13	
100	QPSK	135	0	21.09	21.05	21.18	21.5
100	QPSK	135	69	21.13	21.13	21.14	
100	QPSK	135	138	21.02	21.01	21.16	
100	QPSK	270	0	21.10	21.19	21.04	21.5
100	16QAM	1	1	21.08	21.13	21.02	21.5
100	64QAM	1	1	21.11	21.05	21.06	21.5
100	256QAM	1	1	21.17	20.98	21.04	21.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.02	21.03	21.13	21.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.17	21.01	21.14	21.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.00	21.08	21.13	21.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.12	21.02	21.01	21.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.09	21.10	21.12	21.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.03	21.18	21.06	21.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.17	21.04	21.11	21.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.02	21.13	21.13	21.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.18	21.15	21.06	21.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.19	21.19	21.18	21.5



<FR1 n77_PC1.5_Ant 3_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.06	20.21	20.22	20.5
100	PI/2 BPSK	1	137	19.99	20.00	19.98	
100	PI/2 BPSK	1	271	19.84	19.88	19.96	
100	PI/2 BPSK	135	0	19.92	19.96	20.07	20.5
100	PI/2 BPSK	135	69	19.91	19.90	19.94	20.5
100	PI/2 BPSK	135	138	20.13	20.11	19.89	20.5
100	PI/2 BPSK	270	0	20.15	20.01	19.88	
100	QPSK	1	1	19.85	19.98	20.04	
100	QPSK	1	137	19.91	19.99	20.00	20.5
100	QPSK	1	271	20.01	19.97	20.04	
100	QPSK	135	0	20.06	19.85	20.08	
100	QPSK	135	69	20.11	20.09	20.13	20.5
100	QPSK	135	138	20.01	19.99	20.09	
100	QPSK	270	0	20.08	20.00	20.02	
100	16QAM	1	1	20.01	20.00	19.88	20.5
100	64QAM	1	1	20.04	19.93	20.00	20.5
100	256QAM	1	1	20.11	19.91	19.98	20.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.94	20.05	20.12	20.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.90	20.08	20.08	20.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.96	20.01	20.03	20.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.93	20.10	20.02	20.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.90	20.08	20.10	20.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.90	20.02	20.11	20.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.88	20.10	20.08	20.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.89	20.01	20.02	20.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.92	20.06	20.03	20.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.86	20.11	20.07	20.5



<FR1 n77_PC3_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		24.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.25		24.0
100	PI/2 BPSK	1	137		22.69		
100	PI/2 BPSK	1	271		22.66		
100	PI/2 BPSK	135	0		22.39		23.5
100	PI/2 BPSK	135	69		22.85		24.0
100	PI/2 BPSK	135	138		22.51		23.5
100	PI/2 BPSK	270	0		22.53		
100	QPSK	1	1		22.65		24.0
100	QPSK	1	137		22.74		
100	QPSK	1	271		22.80		
100	QPSK	135	0		22.04		24.0
100	QPSK	135	69		22.78		
100	QPSK	135	138		22.07		
100	QPSK	270	0		22.02		23.0
100	16QAM	1	1		21.72		23.0
100	64QAM	1	1		20.56		21.5
100	256QAM	1	1		18.16		19.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.16	23.21	23.18	24.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.15	23.19	23.12	24.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.13	23.17	23.17	24.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.18	23.24	23.10	24.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.12	23.20	23.17	24.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.17	23.22	23.18	24.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.14	23.20	23.14	24.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				23.09	23.16	23.2	
20	PI/2 BPSK	1	1	23.09	23.16	23.14	24.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.12	23.23	23.17	24.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.08	23.18	23.16	24.0



<FR1 n77_PC3_Ant 0_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.40		18.5
100	PI/2 BPSK	1	137		17.32		
100	PI/2 BPSK	1	271		17.37		
100	PI/2 BPSK	135	0		17.17		18.5
100	PI/2 BPSK	135	69		17.36		18.5
100	PI/2 BPSK	135	138		17.34		18.5
100	PI/2 BPSK	270	0		17.33		
100	QPSK	1	1		17.15		18.5
100	QPSK	1	137		17.29		
100	QPSK	1	271		17.37		
100	QPSK	135	0		17.14		18.5
100	QPSK	135	69		17.31		
100	QPSK	135	138		17.37		
100	QPSK	270	0		17.34		18.5
100	16QAM	1	1		16.93		18.5
100	64QAM	1	1		17.13		18.5
100	256QAM	1	1		17.17		18.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.24	17.35	17.19	18.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	17.30	17.35	17.21	18.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	17.33	17.31	17.18	18.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	17.30	17.40	17.26	18.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.28	17.36	17.23	18.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	17.25	17.32	17.22	18.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.30	17.36	17.25	18.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.31	17.30	17.23	18.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	17.27	17.37	17.20	18.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	17.28	17.34	17.26	18.5



<FR1 n77_PC3_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.31		24.0
100	PI/2 BPSK	1	137		23.17		
100	PI/2 BPSK	1	271		23.07		
100	PI/2 BPSK	135	0		22.68		23.5
100	PI/2 BPSK	135	69		23.17		24.0
100	PI/2 BPSK	135	138		22.53		23.5
100	PI/2 BPSK	270	0		22.66		
100	QPSK	1	1		23.11		24.0
100	QPSK	1	137		23.11		
100	QPSK	1	271		23.01		
100	QPSK	135	0		22.42		24.0
100	QPSK	135	69		23.02		
100	QPSK	135	138		22.40		
100	QPSK	270	0		22.06		23.0
100	16QAM	1	1		22.15		23.0
100	64QAM	1	1		20.87		21.5
100	256QAM	1	1		18.41		19.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.04	23.26	22.81	24.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.00	23.30	22.83	24.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.03	23.29	22.90	24.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.05	23.29	22.86	24.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.97	23.29	22.81	24.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.01	23.27	22.82	24.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.03	23.22	22.88	24.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.05	23.24	22.84	24.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.99	23.28	22.90	24.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.01	23.27	22.80	24.0



<FR1 n77_PC3_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		9.46		10.0
100	PI/2 BPSK	1	137		9.36		
100	PI/2 BPSK	1	271		9.31		
100	PI/2 BPSK	135	0		9.31		10.0
100	PI/2 BPSK	135	69		9.37		10.0
100	PI/2 BPSK	135	138		9.25		10.0
100	PI/2 BPSK	270	0		9.35		
100	QPSK	1	1		9.28		10.0
100	QPSK	1	137		9.20		
100	QPSK	1	271		9.39		
100	QPSK	135	0		9.27		10.0
100	QPSK	135	69		9.21		
100	QPSK	135	138		9.22		
100	QPSK	270	0		9.25		10.0
100	16QAM	1	1		9.37		10.0
100	64QAM	1	1		9.26		10.0
100	256QAM	1	1		9.33		10.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	9.24	9.40	9.25	10.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	9.31	9.41	9.19	10.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	9.29	9.38	9.24	10.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	9.21	9.42	9.20	10.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	9.26	9.43	9.21	10.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	9.29	9.36	9.25	10.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	9.24	9.42	9.21	10.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	9.28	9.37	9.21	10.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	9.28	9.42	9.26	10.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	9.21	9.36	9.29	10.0



<FR1 n77_PC3_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.25		17.0
100	PI/2 BPSK	1	137		16.05		
100	PI/2 BPSK	1	271		16.17		
100	PI/2 BPSK	135	0		16.10		17.0
100	PI/2 BPSK	135	69		16.13		17.0
100	PI/2 BPSK	135	138		16.07		17.0
100	PI/2 BPSK	270	0		16.04		
100	QPSK	1	1		16.14		17.0
100	QPSK	1	137		16.08		
100	QPSK	1	271		16.03		
100	QPSK	135	0		16.18		17.0
100	QPSK	135	69		15.97		
100	QPSK	135	138		16.09		
100	QPSK	270	0		16.14		17.0
100	16QAM	1	1		15.93		17.0
100	64QAM	1	1		16.21		17.0
100	256QAM	1	1		16.07		17.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	16.04	16.21	16.08	17.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.08	16.24	16.12	17.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.08	16.16	16.12	17.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.05	16.19	16.10	17.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.04	16.19	16.12	17.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.02	16.15	16.10	17.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.05	16.23	16.17	17.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.05	16.20	16.12	17.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	15.99	16.16	16.10	17.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.06	16.21	16.14	17.0



<FR1 n77_PC3_Ant 1_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		3.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		2.79		3.0
100	PI/2 BPSK	1	137		2.60		
100	PI/2 BPSK	1	271		2.58		
100	PI/2 BPSK	135	0		2.59		3.0
100	PI/2 BPSK	135	69		2.62		3.0
100	PI/2 BPSK	135	138		2.49		3.0
100	PI/2 BPSK	270	0		2.49		
100	QPSK	1	1		2.67		3.0
100	QPSK	1	137		2.50		
100	QPSK	1	271		2.55		
100	QPSK	135	0		2.61		3.0
100	QPSK	135	69		2.36		
100	QPSK	135	138		2.38		
100	QPSK	270	0		2.52		3.0
100	16QAM	1	1		2.55		3.0
100	64QAM	1	1		2.59		3.0
100	256QAM	1	1		2.62		3.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	2.58	2.62	2.58	3.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	2.60	2.61	2.61	3.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	2.60	2.64	2.60	3.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	2.61	2.62	2.55	3.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	2.56	2.58	2.58	3.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	2.57	2.61	2.54	3.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	2.61	2.63	2.63	3.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	2.56	2.63	2.64	3.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	2.56	2.59	2.63	3.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	2.61	2.57	2.60	3.0



<FR1 n77_PC3_Ant 3_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.45		18.5
100	PI/2 BPSK	1	137		18.28		
100	PI/2 BPSK	1	271		18.22		
100	PI/2 BPSK	135	0		18.24		18.5
100	PI/2 BPSK	135	69		18.28		18.5
100	PI/2 BPSK	135	138		18.27		18.5
100	PI/2 BPSK	270	0		18.32		
100	QPSK	1	1		18.27		18.5
100	QPSK	1	137		18.30		
100	QPSK	1	271		18.28		
100	QPSK	135	0		18.34		18.5
100	QPSK	135	69		18.36		
100	QPSK	135	138		18.21		
100	QPSK	270	0		18.35		18.5
100	16QAM	1	1		18.25		18.5
100	64QAM	1	1		18.34		18.5
100	256QAM	1	1		18.21		18.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.11	18.06	18.07	18.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.13	17.97	17.91	18.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.11	17.99	18.00	18.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.07	18.08	18.00	18.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.05	18.10	18.05	18.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.00	18.06	17.93	18.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.12	18.02	17.94	18.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.96	18.03	17.98	18.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.14	17.99	18.04	18.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.07	17.96	18.03	18.5



<FR1 n77_PC2_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.11		27.0
100	PI/2 BPSK	1	137		25.87		
100	PI/2 BPSK	1	271		25.86		
100	PI/2 BPSK	135	0		26.07		26.5
100	PI/2 BPSK	135	69		25.95		27.0
100	PI/2 BPSK	135	138		25.97		26.5
100	PI/2 BPSK	270	0		26.01		
100	QPSK	1	1		25.98		27.0
100	QPSK	1	137		26.01		
100	QPSK	1	271		26.04		
100	QPSK	135	0		26.02		27.0
100	QPSK	135	69		25.98		
100	QPSK	135	138		26.06		
100	QPSK	270	0		25.50		26.0
100	16QAM	1	1		25.55		26.0
100	64QAM	1	1		23.94		24.5
100	256QAM	1	1		21.85		22.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.89	26.10	25.78	27.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.90	26.04	25.70	27.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.83	26.01	25.70	27.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.84	26.01	25.79	27.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.83	26.06	25.74	27.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.86	26.09	25.72	27.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.83	26.03	25.72	27.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.91	26.10	25.78	27.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.90	26.09	25.80	27.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.92	26.05	25.73	27.0



<FR1 n77_PC1.5_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.83		26.0
100	PI/2 BPSK	1	137		24.93		
100	PI/2 BPSK	1	271		25.03		
100	PI/2 BPSK	135	0		24.94		25.5
100	PI/2 BPSK	135	69		25.01		26.0
100	PI/2 BPSK	135	138		25.05		25.5
100	PI/2 BPSK	270	0		25.01		
100	QPSK	1	1		24.99		26.0
100	QPSK	1	137		24.91		
100	QPSK	1	271		24.96		
100	QPSK	135	0		24.95		26.0
100	QPSK	135	69		25.00		
100	QPSK	135	138		25.02		
100	QPSK	270	0		23.99		25.0
100	16QAM	1	1		24.06		25.0
100	64QAM	1	1		22.50		23.5
100	256QAM	1	1		20.41		21.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.28	25.13	25.35	26.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.15	25.16	25.38	26.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.31	25.10	25.05	26.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.47	25.13	25.37	26.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.36	25.17	25.48	26.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.40	25.50	25.06	26.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.20	25.39	25.07	26.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.18	25.06	25.30	26.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.47	25.44	25.07	26.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.36	25.44	25.07	26.0



<FR1 n77_PC2_Ant 0_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.47		21.5
100	PI/2 BPSK	1	137		20.33		
100	PI/2 BPSK	1	271		20.26		
100	PI/2 BPSK	135	0		20.27		21.5
100	PI/2 BPSK	135	69		20.21		21.5
100	PI/2 BPSK	135	138		20.27		21.5
100	PI/2 BPSK	270	0		20.15		
100	QPSK	1	1		20.04		21.5
100	QPSK	1	137		20.23		
100	QPSK	1	271		20.18		
100	QPSK	135	0		20.20		21.5
100	QPSK	135	69		20.18		
100	QPSK	135	138		20.25		
100	QPSK	270	0		20.12		21.5
100	16QAM	1	1		20.18		21.5
100	64QAM	1	1		20.17		21.5
100	256QAM	1	1		20.15		21.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.36	20.46	20.37	21.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.40	20.45	20.31	21.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.35	20.47	20.31	21.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.34	20.37	20.29	21.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.36	20.47	20.29	21.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.39	20.40	20.29	21.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.42	20.46	20.37	21.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.38	20.47	20.36	21.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.42	20.45	20.29	21.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.42	20.43	20.36	21.5



<FR1 n77_PC1.5_Ant 0_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		20.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.86		20.5
100	PI/2 BPSK	1	137		19.72		
100	PI/2 BPSK	1	271		19.65		
100	PI/2 BPSK	135	0		19.66		20.5
100	PI/2 BPSK	135	69		19.60		20.5
100	PI/2 BPSK	135	138		19.66		20.5
100	PI/2 BPSK	270	0		19.54		
100	QPSK	1	1		19.43		20.5
100	QPSK	1	137		19.62		
100	QPSK	1	271		19.57		
100	QPSK	135	0		19.59		20.5
100	QPSK	135	69		19.57		
100	QPSK	135	138		19.64		
100	QPSK	270	0		19.51		20.5
100	16QAM	1	1		19.57		20.5
100	64QAM	1	1		19.56		20.5
100	256QAM	1	1		19.54		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.20	19.25	19.15	20.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.14	19.24	19.14	20.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.21	19.29	19.21	20.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.11	19.25	19.13	20.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.12	19.29	19.14	20.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.18	19.21	19.11	20.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.15	19.23	19.18	20.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1				20.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1				20.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1				20.5



<FR1 n77_PC2_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.22		27.0
100	PI/2 BPSK	1	137		26.09		
100	PI/2 BPSK	1	271		25.99		
100	PI/2 BPSK	135	0		25.51		26.5
100	PI/2 BPSK	135	69		26.14		27.0
100	PI/2 BPSK	135	138		25.53		26.5
100	PI/2 BPSK	270	0		25.60		
100	QPSK	1	1		26.01		27.0
100	QPSK	1	137		26.00		
100	QPSK	1	271		25.94		
100	QPSK	135	0		25.67		27.0
100	QPSK	135	69		26.02		
100	QPSK	135	138		25.47		
100	QPSK	270	0		25.01		26.0
100	16QAM	1	1		24.90		26.0
100	64QAM	1	1		23.95		24.5
100	256QAM	1	1		21.58		22.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.88	26.13	25.96	27.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.94	26.18	26.00	27.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.91	26.12	26.02	27.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.85	26.14	25.95	27.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.94	26.12	25.98	27.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.95	26.18	25.99	27.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.88	26.21	26.00	27.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.91	26.20	25.95	27.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.92	26.14	25.99	27.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.94	26.21	26.02	27.0



<FR1 n77_PC1.5_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		26.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.18		26.0
100	PI/2 BPSK	1	137		25.00		
100	PI/2 BPSK	1	271		24.90		
100	PI/2 BPSK	135	0		24.36		25.5
100	PI/2 BPSK	135	69		25.11		26.0
100	PI/2 BPSK	135	138		24.42		25.5
100	PI/2 BPSK	270	0		24.45		
100	QPSK	1	1		24.95		26.0
100	QPSK	1	137		24.81		
100	QPSK	1	271		24.93		
100	QPSK	135	0		24.58		26.0
100	QPSK	135	69		25.02		
100	QPSK	135	138		24.46		
100	QPSK	270	0		23.98		25.0
100	16QAM	1	1		23.78		25.0
100	64QAM	1	1		22.82		23.5
100	256QAM	1	1		20.38		21.5
Channel				633000	633332	633666	26.0
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.44	24.38	24.19	26.0
Channel				632668	633332	634000	26.0
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.38	24.29	24.20	26.0
Channel				632334	633332	634332	26.0
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.38	24.38	24.23	26.0
Channel				632000	633332	634666	26.0
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.39	24.30	24.17	26.0
Channel				631668	633332	635000	26.0
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.38	24.37	24.27	26.0
Channel				631334	633332	635332	26.0
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.39	24.29	24.27	26.0
Channel				631000	633332	635666	26.0
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.48	24.29	24.27	26.0
Channel				630668	633332	636000	26.0
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.45	24.38	24.27	26.0
Channel				630500	633332	636166	26.0
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.48	24.35	24.27	26.0
Channel				630334	633332	636332	26.0
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.42	24.34	24.23	26.0



<FR1 n77_PC2_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		13.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		12.45		13.0
100	PI/2 BPSK	1	137		12.31		
100	PI/2 BPSK	1	271		12.31		13.0
100	PI/2 BPSK	135	0		12.21		
100	PI/2 BPSK	135	69		12.39		13.0
100	PI/2 BPSK	135	138		12.28		
100	PI/2 BPSK	270	0		12.32		13.0
100	QPSK	1	1		12.36		
100	QPSK	1	137		12.33		13.0
100	QPSK	1	271		12.32		
100	QPSK	135	0		12.29		13.0
100	QPSK	135	69		12.31		
100	QPSK	135	138		12.16		13.0
100	QPSK	270	0		12.23		
100	16QAM	1	1		12.28		13.0
100	64QAM	1	1		12.33		
100	256QAM	1	1		12.20		13.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	12.24	12.39	12.36	13.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	12.25	12.43	12.33	13.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	12.27	12.41	12.31	13.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	12.31	12.42	12.28	13.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	12.29	12.42	12.30	13.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	12.28	12.36	12.38	13.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	12.30	12.43	12.28	13.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	12.32	12.37	12.30	13.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	12.25	12.40	12.36	13.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	12.27	12.39	12.28	13.0



<FR1 n77_PC1.5_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		12.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		11.26		12.0
100	PI/2 BPSK	1	137		11.14		
100	PI/2 BPSK	1	271		11.17		12.0
100	PI/2 BPSK	135	0		11.02		
100	PI/2 BPSK	135	69		11.22		12.0
100	PI/2 BPSK	135	138		11.12		
100	PI/2 BPSK	270	0		11.25		12.0
100	QPSK	1	1		11.24		
100	QPSK	1	137		11.20		12.0
100	QPSK	1	271		11.25		
100	QPSK	135	0		11.23		12.0
100	QPSK	135	69		11.23		
100	QPSK	135	138		11.12		12.0
100	QPSK	270	0		11.10		
100	16QAM	1	1		11.23		12.0
100	64QAM	1	1		11.22		
100	256QAM	1	1		11.07		12.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	10.74	10.63	10.74	12.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	10.50	10.54	10.69	12.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	10.67	10.54	10.65	12.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	10.73	10.66	10.69	12.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	10.64	10.66	10.55	12.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	10.52	10.71	10.52	12.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	10.79	10.75	10.64	12.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	10.62	10.77	10.79	12.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	10.79	10.67	10.58	12.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	10.59	10.76	10.70	12.0



<FR1 n77_PC2_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		20.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.27		20.0
100	PI/2 BPSK	1	137		19.14		
100	PI/2 BPSK	1	271		19.06		
100	PI/2 BPSK	135	0		19.09		20.0
100	PI/2 BPSK	135	69		19.02		20.0
100	PI/2 BPSK	135	138		19.00		20.0
100	PI/2 BPSK	270	0		19.16		
100	QPSK	1	1		19.03		20.0
100	QPSK	1	137		19.05		
100	QPSK	1	271		19.16		
100	QPSK	135	0		19.04		20.0
100	QPSK	135	69		18.94		
100	QPSK	135	138		19.00		
100	QPSK	270	0		19.03		20.0
100	16QAM	1	1		19.15		20.0
100	64QAM	1	1		19.05		20.0
100	256QAM	1	1		19.04		20.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.03	19.19	19.02	20.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.03	19.25	18.96	20.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.05	19.26	18.93	20.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.04	19.18	19.01	20.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.11	19.20	19.02	20.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.08	19.24	18.99	20.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.10	19.23	19.00	20.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.13	19.25	18.94	20.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.10	19.23	18.98	20.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.10	19.26	19.02	20.0



<FR1 n77_PC1.5_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.19		19.0
100	PI/2 BPSK	1	137		18.07		
100	PI/2 BPSK	1	271		17.94		
100	PI/2 BPSK	135	0		17.98		19.0
100	PI/2 BPSK	135	69		17.89		19.0
100	PI/2 BPSK	135	138		17.87		19.0
100	PI/2 BPSK	270	0		17.93		
100	QPSK	1	1		17.81		19.0
100	QPSK	1	137		17.94		
100	QPSK	1	271		18.00		
100	QPSK	135	0		17.89		19.0
100	QPSK	135	69		17.79		
100	QPSK	135	138		17.75		
100	QPSK	270	0		17.87		19.0
100	16QAM	1	1		17.95		19.0
100	64QAM	1	1		17.99		19.0
100	256QAM	1	1		17.94		19.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.69	17.66	17.51	19.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	17.78	17.59	17.58	19.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	17.70	17.69	17.53	19.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	17.78	17.61	17.54	19.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.75	17.62	17.57	19.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	17.71	17.63	17.56	19.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.77	17.68	17.54	19.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.70	17.64	17.58	19.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	17.69	17.66	17.56	19.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	17.75	17.59	17.59	19.0



<FR1 n77_PC2_Ant 1_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		6.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		5.81		6.0
100	PI/2 BPSK	1	137		5.33		
100	PI/2 BPSK	1	271		5.28		6.0
100	PI/2 BPSK	135	0		5.31		
100	PI/2 BPSK	135	69		5.20		6.0
100	PI/2 BPSK	135	138		5.08		
100	PI/2 BPSK	270	0		5.24		6.0
100	QPSK	1	1		5.21		
100	QPSK	1	137		5.17		6.0
100	QPSK	1	271		5.19		
100	QPSK	135	0		5.25		6.0
100	QPSK	135	69		5.13		
100	QPSK	135	138		5.07		6.0
100	QPSK	270	0		5.18		
100	16QAM	1	1		5.41		6.0
100	64QAM	1	1		5.30		
100	256QAM	1	1		5.22		6.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	5.27	5.29	5.29	6.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	5.33	5.31	5.26	6.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	5.31	5.24	5.28	6.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	5.27	5.30	5.29	6.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	5.30	5.25	5.32	6.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	5.23	5.33	5.32	6.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	5.25	5.27	5.31	6.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	5.28	5.27	5.31	6.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	5.32	5.32	5.30	6.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	5.25	5.31	5.26	6.0



<FR1 n77_PC1.5_Ant 1_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		5.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		4.61		
100	PI/2 BPSK	1	137		4.24		
100	PI/2 BPSK	1	271		4.24		
100	PI/2 BPSK	135	0		4.18		5.0
100	PI/2 BPSK	135	69		4.04		5.0
100	PI/2 BPSK	135	138		3.88		5.0
100	PI/2 BPSK	270	0		4.18		
100	QPSK	1	1		4.20		5.0
100	QPSK	1	137		4.17		
100	QPSK	1	271		4.02		
100	QPSK	135	0		4.18		5.0
100	QPSK	135	69		3.93		
100	QPSK	135	138		3.99		
100	QPSK	270	0		4.11		5.0
100	16QAM	1	1		4.40		5.0
100	64QAM	1	1		4.25		5.0
100	256QAM	1	1		4.07		5.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	3.53	3.67	3.61	5.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	3.68	3.60	3.72	5.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	3.62	3.78	3.68	5.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	3.50	3.59	3.61	5.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	3.74	3.51	3.65	5.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	3.56	3.78	3.60	5.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	3.77	3.69	3.61	5.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	3.79	3.68	3.74	5.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	3.75	3.75	3.58	5.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	3.67	3.68	3.58	5.0



<FR1 n77_PC2_Ant 3_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.41		21.5
100	PI/2 BPSK	1	137		21.29		
100	PI/2 BPSK	1	271		21.13		
100	PI/2 BPSK	135	0		21.24		21.5
100	PI/2 BPSK	135	69		21.17		21.5
100	PI/2 BPSK	135	138		21.26		21.5
100	PI/2 BPSK	270	0		21.27		
100	QPSK	1	1		21.25		21.5
100	QPSK	1	137		21.13		
100	QPSK	1	271		21.26		
100	QPSK	135	0		21.17		21.5
100	QPSK	135	69		21.30		
100	QPSK	135	138		21.28		
100	QPSK	270	0		21.23		21.5
100	16QAM	1	1		21.16		21.5
100	64QAM	1	1		21.26		21.5
100	256QAM	1	1		21.22		21.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.16	21.17	21.28	21.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.30	21.18	21.18	21.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.18	21.13	21.23	21.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.17	21.21	21.29	21.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.28	21.16	21.19	21.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.22	21.13	21.17	21.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.18	21.25	21.19	21.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.12	21.21	21.26	21.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.25	21.19	21.24	21.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.22	21.10	21.22	21.5



<FR1 n77_PC1.5_Ant 3_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		20.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.24		20.5
100	PI/2 BPSK	1	137		20.29		
100	PI/2 BPSK	1	271		20.12		
100	PI/2 BPSK	135	0		20.15		20.5
100	PI/2 BPSK	135	69		20.17		20.5
100	PI/2 BPSK	135	138		19.99		20.5
100	PI/2 BPSK	270	0		20.15		
100	QPSK	1	1		19.99		20.5
100	QPSK	1	137		19.83		
100	QPSK	1	271		19.96		
100	QPSK	135	0		20.14		20.5
100	QPSK	135	69		20.14		
100	QPSK	135	138		20.25		
100	QPSK	270	0		20.21		20.5
100	16QAM	1	1		19.89		20.5
100	64QAM	1	1		20.07		20.5
100	256QAM	1	1		20.14		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.74	19.87	20.00	20.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.80	19.85	19.97	20.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.79	19.87	19.97	20.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.79	19.89	19.97	20.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.80	19.89	19.97	20.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.83	19.88	19.95	20.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.77	19.92	20.02	20.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.82	19.89	19.96	20.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.80	19.87	19.94	20.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.80	19.88	19.97	20.5



<FR1 n78_PC3_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.33		24.0
100	PI/2 BPSK	1	137		23.26		
100	PI/2 BPSK	1	271		23.14		
100	PI/2 BPSK	135	0		23.21		23.5
100	PI/2 BPSK	135	69		23.23		24.0
100	PI/2 BPSK	135	138		22.87		23.5
100	PI/2 BPSK	270	0		23.26		
100	QPSK	1	1		23.13		24.0
100	QPSK	1	137		23.25		
100	QPSK	1	271		23.21		
100	QPSK	135	0		23.29		24.0
100	QPSK	135	69		23.27		
100	QPSK	135	138		23.32		
100	QPSK	270	0		22.94		23.0
100	16QAM	1	1		22.55		23.0
100	64QAM	1	1		21.06		21.5
100	256QAM	1	1		19.08		19.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.16	23.27	23.17	24.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.18	23.23	23.19	24.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.18	23.24	23.17	24.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.20	23.30	23.14	24.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.20	23.25	23.18	24.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.22	23.32	23.20	24.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.16	23.30	23.20	24.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.23	23.29	23.21	24.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.16	23.24	23.15	24.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.24	23.25	23.18	24.0



<FR1 n78_PC3_Ant 0_Sensor ON_Tablet Mode>

Channel	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel						650000		18.5
Frequency (MHz)						3750		
100		PI/2 BPSK	1	1		17.41		
100		PI/2 BPSK	1	137		17.39		
100		PI/2 BPSK	1	271		17.29		
100		PI/2 BPSK	135	0		17.39		18.5
100		PI/2 BPSK	135	69		17.32		18.5
100		PI/2 BPSK	135	138		17.27		18.5
100		PI/2 BPSK	270	0		17.33		18.5
100		QPSK	1	1		17.34		18.5
100		QPSK	1	137		17.39		
100		QPSK	1	271		17.25		
100		QPSK	135	0		17.38		18.5
100		QPSK	135	69		17.32		
100		QPSK	135	138		17.27		
100		QPSK	270	0		17.31		18.5
100		16QAM	1	1		17.04		18.5
100		64QAM	1	1		17.40		18.5
100		256QAM	1	1		17.32		18.5
Channel					649668	650000	650332	18.5
Frequency (MHz)					3745.02	3750	3754.98	
90		PI/2 BPSK	1	1	17.29	17.39	17.26	18.5
Channel					649334	650000	650666	18.5
Frequency (MHz)					3740.01	3750	3759.99	
80		PI/2 BPSK	1	1	17.32	17.40	17.32	18.5
Channel					649000	650000	651000	18.5
Frequency (MHz)					3735	3750	3765	
70		PI/2 BPSK	1	1	17.38	17.39	17.26	18.5
Channel					648668	650000	651332	18.5
Frequency (MHz)					3730.02	3750	3769.98	
60		PI/2 BPSK	1	1	17.36	17.34	17.24	18.5
Channel					648334	650000	651666	18.5
Frequency (MHz)					3725.01	3750	3774.99	
50		PI/2 BPSK	1	1	17.39	17.35	17.31	18.5
Channel					648000	650000	652000	18.5
Frequency (MHz)					3720	3750	3780	
40		PI/2 BPSK	1	1	17.31	17.31	17.28	18.5
Channel					647668	650000	652332	18.5
Frequency (MHz)					3715.02	3750.00	3784.98	
30		PI/2 BPSK	1	1	17.30	17.33	17.31	18.5
Channel					647334	650000	652666	18.5
Frequency (MHz)					3710.01	3750	3789.99	
20		PI/2 BPSK	1	1	17.31	17.38	17.25	18.5
Channel					647168	650000	652832	18.5
Frequency (MHz)					3707.52	3750	3792.48	
15		PI/2 BPSK	1	1	17.31	17.31	17.22	18.5
Channel					647000	650000	653000	18.5
Frequency (MHz)					3705	3750	3795	
10		PI/2 BPSK	1	1	17.33	17.34	17.22	18.5



<FR1 n78_PC3_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.16		24.0
100	PI/2 BPSK	1	137		23.06		
100	PI/2 BPSK	1	271		23.09		
100	PI/2 BPSK	135	0		22.81		23.5
100	PI/2 BPSK	135	69		23.12		24.0
100	PI/2 BPSK	135	138		22.74		23.5
100	PI/2 BPSK	270	0		22.68		
100	QPSK	1	1		23.05		24.0
100	QPSK	1	137		23.09		
100	QPSK	1	271		23.11		
100	QPSK	135	0		22.69		24.0
100	QPSK	135	69		23.10		
100	QPSK	135	138		22.68		
100	QPSK	270	0		22.70		23.0
100	16QAM	1	1		21.96		23.0
100	64QAM	1	1		20.71		21.5
100	256QAM	1	1		18.54		19.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.06	23.07	23.06	24.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.03	23.09	22.97	24.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.11	23.05	23.03	24.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.09	23.05	23.01	24.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.05	23.13	23.01	24.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.07	23.09	22.97	24.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.08	23.06	23.01	24.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.01	23.10	23.02	24.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.10	23.09	23.06	24.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.07	23.07	23.00	24.0



<FR1 n78_PC3_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		9.35		10.0
100	PI/2 BPSK	1	137		9.20		
100	PI/2 BPSK	1	271		9.15		
100	PI/2 BPSK	135	0		9.25		10.0
100	PI/2 BPSK	135	69		9.26		10.0
100	PI/2 BPSK	135	138		9.16		10.0
100	PI/2 BPSK	270	0		9.19		
100	QPSK	1	1		9.23		10.0
100	QPSK	1	137		9.22		
100	QPSK	1	271		9.15		
100	QPSK	135	0		9.25		10.0
100	QPSK	135	69		9.23		
100	QPSK	135	138		9.10		
100	QPSK	270	0		9.16		10.0
100	16QAM	1	1		9.23		10.0
100	64QAM	1	1		9.27		10.0
100	256QAM	1	1		9.23		10.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	9.24	9.33	9.17	10.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	9.23	9.26	9.18	10.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	9.21	9.33	9.19	10.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	9.23	9.31	9.13	10.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	9.29	9.28	9.15	10.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	9.27	9.28	9.13	10.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	9.21	9.26	9.18	10.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	9.31	9.26	9.12	10.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	9.22	9.26	9.18	10.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	9.29	9.33	9.11	10.0



<FR1 n78_PC3_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.18		17.0
100	PI/2 BPSK	1	137		16.03		
100	PI/2 BPSK	1	271		15.97		
100	PI/2 BPSK	135	0		16.07		17.0
100	PI/2 BPSK	135	69		16.11		17.0
100	PI/2 BPSK	135	138		16.03		17.0
100	PI/2 BPSK	270	0		16.06		
100	QPSK	1	1		16.04		17.0
100	QPSK	1	137		16.02		
100	QPSK	1	271		15.94		
100	QPSK	135	0		16.03		17.0
100	QPSK	135	69		16.05		
100	QPSK	135	138		15.97		
100	QPSK	270	0		16.03		17.0
100	16QAM	1	1		16.04		17.0
100	64QAM	1	1		16.07		17.0
100	256QAM	1	1		16.08		17.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	16.13	16.16	15.95	17.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	16.11	16.17	16.01	17.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	16.05	16.13	16.03	17.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	16.14	16.16	15.98	17.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	16.14	16.13	16.03	17.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	16.10	16.11	15.95	17.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	16.13	16.17	15.99	17.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	16.06	16.17	15.95	17.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	16.08	16.16	15.94	17.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	16.13	16.11	15.94	17.0



<FR1 n78_PC3_Ant 1_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		3.0
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		2.33		3.0
100	PI/2 BPSK	1	137		2.23		
100	PI/2 BPSK	1	271		2.24		
100	PI/2 BPSK	135	0		2.15		3.0
100	PI/2 BPSK	135	69		2.23		3.0
100	PI/2 BPSK	135	138		2.14		3.0
100	PI/2 BPSK	270	0		2.16		
100	QPSK	1	1		2.18		
100	QPSK	1	137		2.21		3.0
100	QPSK	1	271		2.23		
100	QPSK	135	0		2.15		
100	QPSK	135	69		2.14		3.0
100	QPSK	135	138		2.19		
100	QPSK	270	0		2.24		
100	16QAM	1	1		2.18		3.0
100	64QAM	1	1		2.14		3.0
100	256QAM	1	1		2.15		3.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	2.19	2.23	2.20	3.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	2.23	2.19	2.24	3.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	2.24	2.19	2.24	3.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	2.17	2.24	2.15	3.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	2.18	2.22	2.17	3.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	2.19	2.15	2.19	3.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	2.19	2.21	2.14	3.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	2.16	2.19	2.24	3.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	2.24	2.15	2.14	3.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	2.21	2.23	2.15	3.0



<FR1 n78_PC3_Ant 3_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		18.12		18.5
100	PI/2 BPSK	1	137		18.01		
100	PI/2 BPSK	1	271		17.96		
100	PI/2 BPSK	135	0		17.91		18.5
100	PI/2 BPSK	135	69		18.09		18.5
100	PI/2 BPSK	135	138		18.08		18.5
100	PI/2 BPSK	270	0		18.04		
100	QPSK	1	1		17.94		18.5
100	QPSK	1	137		18.01		
100	QPSK	1	271		18.02		
100	QPSK	135	0		17.90		18.5
100	QPSK	135	69		18.00		
100	QPSK	135	138		17.98		
100	QPSK	270	0		17.93		18.5
100	16QAM	1	1		18.10		18.5
100	64QAM	1	1		18.04		18.5
100	256QAM	1	1		18.00		18.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	18.03	18.07	17.92	18.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	18.09	17.91	18.08	18.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	18.09	18.03	18.03	18.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	17.92	18.10	18.08	18.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	18.09	17.93	17.96	18.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	17.94	17.92	17.90	18.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	18.09	18.03	18.02	18.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	18.06	18.00	18.06	18.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	18.10	18.09	18.03	18.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	17.99	18.09	17.95	18.5



<FR1 n78_PC2_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.82		27.0
100	PI/2 BPSK	1	137		25.71		
100	PI/2 BPSK	1	271		25.61		
100	PI/2 BPSK	135	0		25.74		26.5
100	PI/2 BPSK	135	69		25.73		27.0
100	PI/2 BPSK	135	138		25.76		26.5
100	PI/2 BPSK	270	0		25.73		
100	QPSK	1	1		25.73		27.0
100	QPSK	1	137		25.78		
100	QPSK	1	271		25.63		
100	QPSK	135	0		25.66		27.0
100	QPSK	135	69		25.61		
100	QPSK	135	138		25.70		
100	QPSK	270	0		25.20		26.0
100	16QAM	1	1		25.18		26.0
100	64QAM	1	1		23.72		24.5
100	256QAM	1	1		21.67		22.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	25.62	25.73	25.56	27.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	25.61	25.73	25.55	27.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.66	25.71	25.59	27.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	25.71	25.68	25.63	27.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	25.71	25.70	25.64	27.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.71	25.65	25.62	27.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	25.70	25.71	25.61	27.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	25.65	25.71	25.58	27.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	25.61	25.66	25.60	27.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	25.61	25.68	25.63	27.0



<FR1 n78_PC1.5_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.32		26.0
100	PI/2 BPSK	1	137		25.21		
100	PI/2 BPSK	1	271		25.11		
100	PI/2 BPSK	135	0		25.24		25.5
100	PI/2 BPSK	135	69		25.23		26.0
100	PI/2 BPSK	135	138		25.26		25.5
100	PI/2 BPSK	270	0		25.23		
100	QPSK	1	1		25.23		26.0
100	QPSK	1	137		25.28		
100	QPSK	1	271		25.13		
100	QPSK	135	0		25.16		26.0
100	QPSK	135	69		25.11		
100	QPSK	135	138		25.20		
100	QPSK	270	0		24.70		25.0
100	16QAM	1	1		24.68		25.0
100	64QAM	1	1		23.22		23.5
100	256QAM	1	1		21.17		21.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	25.16	25.16	25.08	26.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	25.07	25.16	25.13	26.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.08	25.14	25.05	26.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	25.13	25.06	25.10	26.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	25.06	25.11	25.12	26.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.07	25.05	25.09	26.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	25.16	25.15	25.08	26.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	25.26	25.04	25.44	26.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	25.50	25.41	25.24	26.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	25.18	25.03	25.48	26.0



<FR1 n78_PC2_Ant 0_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.41		21.5
100	PI/2 BPSK	1	137		20.12		
100	PI/2 BPSK	1	271		20.10		
100	PI/2 BPSK	135	0		20.10		21.5
100	PI/2 BPSK	135	69		20.01		21.5
100	PI/2 BPSK	135	138		20.12		21.5
100	PI/2 BPSK	270	0		20.03		
100	QPSK	1	1		19.84		21.5
100	QPSK	1	137		20.09		
100	QPSK	1	271		20.04		
100	QPSK	135	0		20.03		21.5
100	QPSK	135	69		20.08		
100	QPSK	135	138		20.13		
100	QPSK	270	0		19.97		21.5
100	16QAM	1	1		20.01		21.5
100	64QAM	1	1		20.07		21.5
100	256QAM	1	1		20.02		21.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	20.26	20.39	20.35	21.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	20.34	20.39	20.28	21.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	20.27	20.40	20.34	21.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	20.34	20.36	20.37	21.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	20.32	20.35	20.37	21.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	20.28	20.31	20.36	21.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	20.31	20.31	20.32	21.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	20.27	20.33	20.32	21.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	20.28	20.40	20.35	21.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	20.26	20.31	20.36	21.5



<FR1 n78_PC1.5_Ant 0_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		20.5
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		18.56		
100	PI/2 BPSK	1	137		18.93		
100	PI/2 BPSK	1	271		18.81		
100	PI/2 BPSK	135	0		18.36		20.5
100	PI/2 BPSK	135	69		18.95		20.5
100	PI/2 BPSK	135	138		18.80		20.5
100	PI/2 BPSK	270	0		18.86		
100	QPSK	1	1		17.84		20.5
100	QPSK	1	137		18.55		
100	QPSK	1	271		19.01		
100	QPSK	135	0		18.83		20.5
100	QPSK	135	69		18.96		
100	QPSK	135	138		18.79		
100	QPSK	270	0		18.32		20.5
100	16QAM	1	1		18.76		20.5
100	64QAM	1	1		18.61		20.5
100	256QAM	1	1		18.58		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	19.40	19.57	19.53	20.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	19.39	19.61	19.54	20.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	19.34	19.66	19.60	20.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	19.41	19.62	19.57	20.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	19.43	19.64	19.56	20.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	19.42	19.62	19.52	20.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	19.35	19.60	19.56	20.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	19.21	19.09	19.10	20.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	19.07	19.06	19.00	20.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	19.17	19.19	19.26	20.5



<FR1 n78_PC2_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		26.30		27.0
100	PI/2 BPSK	1	137		26.23		
100	PI/2 BPSK	1	271		26.18		
100	PI/2 BPSK	135	0		25.71		26.5
100	PI/2 BPSK	135	69		26.21		27.0
100	PI/2 BPSK	135	138		25.61		26.5
100	PI/2 BPSK	270	0		25.71		
100	QPSK	1	1		26.20		27.0
100	QPSK	1	137		26.23		
100	QPSK	1	271		26.16		
100	QPSK	135	0		25.25		27.0
100	QPSK	135	69		26.20		
100	QPSK	135	138		25.17		
100	QPSK	270	0		25.19		26.0
100	16QAM	1	1		25.02		26.0
100	64QAM	1	1		23.95		24.5
100	256QAM	1	1		21.59		22.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	26.08	26.21	26.14	27.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	26.12	26.24	26.12	27.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	26.14	26.25	26.18	27.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	26.10	26.23	26.19	27.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	26.06	26.28	26.13	27.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	26.16	26.26	26.18	27.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	26.07	26.21	26.12	27.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	26.14	26.23	26.16	27.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	26.07	26.23	26.12	27.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	26.09	26.23	26.19	27.0



<FR1 n78_PC1.5_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.17		26.0
100	PI/2 BPSK	1	137		25.11		
100	PI/2 BPSK	1	271		25.09		
100	PI/2 BPSK	135	0		24.51		25.5
100	PI/2 BPSK	135	69		25.06		26.0
100	PI/2 BPSK	135	138		24.53		25.5
100	PI/2 BPSK	270	0		24.58		
100	QPSK	1	1		25.03		26.0
100	QPSK	1	137		25.11		
100	QPSK	1	271		25.07		
100	QPSK	135	0		24.06		26.0
100	QPSK	135	69		25.00		
100	QPSK	135	138		24.15		
100	QPSK	270	0		24.13		25.0
100	16QAM	1	1		23.93		25.0
100	64QAM	1	1		22.92		23.5
100	256QAM	1	1		20.59		21.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	24.34	24.23	24.10	26.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	24.33	24.30	24.09	26.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.30	24.31	24.10	26.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	24.31	24.23	24.02	26.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	24.34	24.26	24.05	26.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.30	24.27	24.05	26.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	24.36	24.27	24.09	26.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	24.40	24.32	24.03	26.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	24.31	24.22	24.07	26.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	24.35	24.23	24.09	26.0



<FR1 n78_PC2_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		12.28		13.0
100	PI/2 BPSK	1	137		12.09		
100	PI/2 BPSK	1	271		11.93		
100	PI/2 BPSK	135	0		11.98		13.0
100	PI/2 BPSK	135	69		12.07		13.0
100	PI/2 BPSK	135	138		12.00		13.0
100	PI/2 BPSK	270	0		12.00		
100	QPSK	1	1		12.01		13.0
100	QPSK	1	137		11.98		
100	QPSK	1	271		11.91		
100	QPSK	135	0		11.99		13.0
100	QPSK	135	69		12.00		
100	QPSK	135	138		11.89		
100	QPSK	270	0		11.99		13.0
100	16QAM	1	1		11.93		13.0
100	64QAM	1	1		12.12		13.0
100	256QAM	1	1		12.11		13.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	12.19	12.18	12.13	13.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	12.12	12.25	12.11	13.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	12.12	12.26	12.09	13.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	12.16	12.20	12.08	13.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	12.15	12.26	12.13	13.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	12.14	12.25	12.06	13.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	12.18	12.27	12.06	13.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	12.11	12.18	12.05	13.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	12.19	12.21	12.06	13.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	12.10	12.25	12.08	13.0



<FR1 n78_PC1.5_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		12.0
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		11.21		
100	PI/2 BPSK	1	137		11.04		
100	PI/2 BPSK	1	271		10.93		
100	PI/2 BPSK	135	0		10.78		
100	PI/2 BPSK	135	69		10.93		
100	PI/2 BPSK	135	138		10.92		
100	PI/2 BPSK	270	0		10.98		
100	QPSK	1	1		10.83		
100	QPSK	1	137		10.94		
100	QPSK	1	271		10.87		
100	QPSK	135	0		10.80		
100	QPSK	135	69		10.86		
100	QPSK	135	138		10.87		
100	QPSK	270	0		10.97		
100	16QAM	1	1		10.85		
100	64QAM	1	1		11.00		
100	256QAM	1	1		11.01		
Channel				649668	650000	650332	12.0
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	10.74	10.57	10.73	
Channel				649334	650000	650666	12.0
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	10.74	10.57	10.73	
Channel				649000	650000	651000	12.0
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	10.74	10.57	10.73	
Channel				648668	650000	651332	12.0
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	10.74	10.57	10.73	
Channel				648334	650000	651666	12.0
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	10.74	10.57	10.73	
Channel				648000	650000	652000	12.0
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	10.74	10.57	10.73	
Channel				647668	650000	652332	12.0
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	10.74	10.57	10.73	
Channel				647334	650000	652666	12.0
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	10.74	10.57	10.73	
Channel				647168	650000	652832	12.0
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	10.74	10.57	10.73	
Channel				647000	650000	653000	12.0
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	10.74	10.57	10.73	



<FR1 n78_PC2_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		20.0
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		19.11		20.0
100	PI/2 BPSK	1	137		19.01		
100	PI/2 BPSK	1	271		18.92		
100	PI/2 BPSK	135	0		18.98		20.0
100	PI/2 BPSK	135	69		19.01		20.0
100	PI/2 BPSK	135	138		18.94		20.0
100	PI/2 BPSK	270	0		18.95		
100	QPSK	1	1		18.93		20.0
100	QPSK	1	137		18.96		
100	QPSK	1	271		18.89		
100	QPSK	135	0		19.01		20.0
100	QPSK	135	69		18.99		
100	QPSK	135	138		18.94		
100	QPSK	270	0		19.01		20.0
100	16QAM	1	1		18.92		20.0
100	64QAM	1	1		19.08		20.0
100	256QAM	1	1		19.03		20.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	18.98	19.09	18.87	20.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	19.00	19.07	18.93	20.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	18.95	19.08	18.95	20.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	18.97	19.09	18.86	20.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	18.98	19.10	18.87	20.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	19.00	19.05	18.90	20.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	18.94	19.08	18.87	20.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	19.01	19.07	18.92	20.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	18.94	19.01	18.95	20.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	18.99	19.05	18.89	20.0



<FR1 n78_PC1.5_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.96		19.0
100	PI/2 BPSK	1	137		17.89		
100	PI/2 BPSK	1	271		17.90		
100	PI/2 BPSK	135	0		17.80		19.0
100	PI/2 BPSK	135	69		17.87		19.0
100	PI/2 BPSK	135	138		17.79		19.0
100	PI/2 BPSK	270	0		17.86		
100	QPSK	1	1		17.85		19.0
100	QPSK	1	137		17.77		
100	QPSK	1	271		17.76		
100	QPSK	135	0		17.85		19.0
100	QPSK	135	69		17.92		
100	QPSK	135	138		17.94		
100	QPSK	270	0		17.82		19.0
100	16QAM	1	1		17.87		19.0
100	64QAM	1	1		18.00		19.0
100	256QAM	1	1		17.89		19.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	17.55	17.42	17.65	19.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	17.49	17.46	17.69	19.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	17.53	17.45	17.65	19.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	17.48	17.47	17.68	19.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	17.51	17.49	17.66	19.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	17.56	17.52	17.66	19.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	17.48	17.49	17.72	19.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	17.46	17.44	17.72	19.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	17.48	17.52	17.65	19.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	17.51	17.47	17.62	19.0



<FR1 n78_PC2_Ant 1_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		5.38		6.0
100	PI/2 BPSK	1	137		5.35		
100	PI/2 BPSK	1	271		5.30		
100	PI/2 BPSK	135	0		5.29		6.0
100	PI/2 BPSK	135	69		5.36		6.0
100	PI/2 BPSK	135	138		5.28		6.0
100	PI/2 BPSK	270	0		5.33		
100	QPSK	1	1		5.32		6.0
100	QPSK	1	137		5.32		
100	QPSK	1	271		5.33		
100	QPSK	135	0		5.28		6.0
100	QPSK	135	69		5.36		
100	QPSK	135	138		5.32		
100	QPSK	270	0		5.36		6.0
100	16QAM	1	1		5.33		6.0
100	64QAM	1	1		5.35		6.0
100	256QAM	1	1		5.28		6.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	5.35	5.28	5.27	6.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	5.30	5.30	5.34	6.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	5.30	5.25	5.33	6.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	5.32	5.26	5.29	6.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	5.34	5.35	5.28	6.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	5.27	5.31	5.28	6.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	5.32	5.30	5.32	6.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	5.30	5.30	5.33	6.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	5.27	5.25	5.28	6.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	5.26	5.26	5.28	6.0



<FR1 n78_PC1.5_Ant 1_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		4.36		5.0
100	PI/2 BPSK	1	137		4.18		
100	PI/2 BPSK	1	271		4.25		
100	PI/2 BPSK	135	0		4.13		5.0
100	PI/2 BPSK	135	69		4.28		5.0
100	PI/2 BPSK	135	138		4.08		5.0
100	PI/2 BPSK	270	0		4.27		
100	QPSK	1	1		4.12		5.0
100	QPSK	1	137		4.31		
100	QPSK	1	271		4.17		
100	QPSK	135	0		4.28		5.0
100	QPSK	135	69		4.30		
100	QPSK	135	138		4.19		
100	QPSK	270	0		4.23		5.0
100	16QAM	1	1		4.17		5.0
100	64QAM	1	1		4.27		5.0
100	256QAM	1	1		4.13		5.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	3.71	3.54	3.78	5.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	3.68	3.52	3.75	5.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	3.72	3.53	3.71	5.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	3.70	3.48	3.70	5.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	3.72	3.55	3.78	5.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	3.63	3.56	3.78	5.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	3.71	3.34	3.75	5.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	3.72	3.45	3.72	5.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	3.74	3.50	3.78	5.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	3.69	3.54	3.63	5.0



<FR1 n78_PC2_Ant 3_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		21.5
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.14		
100	PI/2 BPSK	1	137		20.96		
100	PI/2 BPSK	1	271		20.95		
100	PI/2 BPSK	135	0		20.94		21.5
100	PI/2 BPSK	135	69		21.09		21.5
100	PI/2 BPSK	135	138		20.93		21.5
100	PI/2 BPSK	270	0		21.01		
100	QPSK	1	1		21.06		21.5
100	QPSK	1	137		21.12		
100	QPSK	1	271		21.03		
100	QPSK	135	0		21.01		21.5
100	QPSK	135	69		21.00		
100	QPSK	135	138		21.01		
100	QPSK	270	0		20.99		21.5
100	16QAM	1	1		21.05		21.5
100	64QAM	1	1		21.01		21.5
100	256QAM	1	1		21.12		21.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	20.96	21.03	21.08	21.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	21.04	21.07	21.04	21.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	21.00	20.96	21.09	21.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	21.11	20.94	21.04	21.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	20.96	20.96	21.00	21.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	20.95	20.98	21.09	21.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	21.10	20.97	21.10	21.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	20.92	20.92	21.11	21.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	20.93	20.96	20.94	21.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	21.12	20.95	21.06	21.5



<FR1 n78_PC1.5_Ant 3_Sensor OFF_Laptop Mode/Tablet Mode>

Channel	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel						650000		20.5
Frequency (MHz)						3750		
100		PI/2 BPSK	1	1		20.10		
100		PI/2 BPSK	1	137		19.84		
100		PI/2 BPSK	1	271		19.92		
100		PI/2 BPSK	135	0		19.87		20.5
100		PI/2 BPSK	135	69		20.01		20.5
100		PI/2 BPSK	135	138		19.78		20.5
100		PI/2 BPSK	270	0		19.83		
100		QPSK	1	1		19.91		20.5
100		QPSK	1	137		19.94		
100		QPSK	1	271		19.93		
100		QPSK	135	0		19.95		20.5
100		QPSK	135	69		19.90		
100		QPSK	135	138		19.86		
100		QPSK	270	0		19.85		20.5
100		16QAM	1	1		19.97		20.5
100		64QAM	1	1		19.84		20.5
100		256QAM	1	1		20.03		20.5
Channel					649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)					3745.02	3750	3754.98	
90		PI/2 BPSK	1	1	19.90	19.09	19.15	20.5
Channel					649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)					3740.01	3750	3759.99	
80		PI/2 BPSK	1	1	19.90	19.20	19.10	20.5
Channel					649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)					3735	3750	3765	
70		PI/2 BPSK	1	1	19.84	19.20	19.15	20.5
Channel					648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)					3730.02	3750	3769.98	
60		PI/2 BPSK	1	1	19.71	19.23	19.08	20.5
Channel					648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)					3725.01	3750	3774.99	
50		PI/2 BPSK	1	1	19.77	19.25	19.17	20.5
Channel					648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)					3720	3750	3780	
40		PI/2 BPSK	1	1	19.73	19.25	19.09	20.5
Channel					647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)					3715.02	3750.00	3784.98	
30		PI/2 BPSK	1	1	19.77	19.22	19.03	20.5
Channel					647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)					3710.01	3750	3789.99	
20		PI/2 BPSK	1	1	19.75	19.08	19.14	20.5
Channel					647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)					3707.52	3750	3792.48	
15		PI/2 BPSK	1	1	19.88	19.25	19.11	20.5
Channel					647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)					3705	3750	3795	
10		PI/2 BPSK	1	1	19.79	19.10	19.14	20.5



<FR1 n78_PC3_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.20		24.0
100	PI/2 BPSK	1	137		23.09		
100	PI/2 BPSK	1	271		22.92		
100	PI/2 BPSK	135	0		23.05		23.5
100	PI/2 BPSK	135	69		23.06		24.0
100	PI/2 BPSK	135	138		22.73		23.5
100	PI/2 BPSK	270	0		23.04		
100	QPSK	1	1		22.97		24.0
100	QPSK	1	137		23.06		
100	QPSK	1	271		23.01		
100	QPSK	135	0		23.16		24.0
100	QPSK	135	69		23.13		
100	QPSK	135	138		23.19		
100	QPSK	270	0		22.78		23.0
100	16QAM	1	1		22.42		23.0
100	64QAM	1	1		20.90		21.5
100	256QAM	1	1		18.95		19.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.06	23.12	23.08	24.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.01	23.14	23.04	24.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.08	23.18	23.07	24.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.03	23.16	23.03	24.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.03	23.13	23.08	24.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.05	23.19	23.11	24.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.03	23.10	23.06	24.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.05	23.16	23.13	24.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.00	23.14	23.11	24.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.06	23.18	23.05	24.0



<FR1 n78_PC3_Ant 0_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.44		18.5
100	PI/2 BPSK	1	137		17.33		
100	PI/2 BPSK	1	271		17.36		
100	PI/2 BPSK	135	0		17.17		18.5
100	PI/2 BPSK	135	69		17.26		18.5
100	PI/2 BPSK	135	138		17.40		18.5
100	PI/2 BPSK	270	0		17.25		
100	QPSK	1	1		17.08		18.5
100	QPSK	1	137		17.30		
100	QPSK	1	271		17.36		
100	QPSK	135	0		17.15		18.5
100	QPSK	135	69		17.20		
100	QPSK	135	138		17.37		
100	QPSK	270	0		17.23		18.5
100	16QAM	1	1		17.02		18.5
100	64QAM	1	1		16.80		18.5
100	256QAM	1	1		17.16		18.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.25	17.35	17.27	18.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	17.26	17.37	17.22	18.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	17.32	17.37	17.21	18.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	17.31	17.39	17.27	18.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.26	17.42	17.25	18.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	17.25	17.35	17.27	18.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.30	17.43	17.24	18.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.34	17.34	17.27	18.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	17.35	17.40	17.19	18.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	17.27	17.41	17.23	18.5



<FR1 n78_PC3_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.45		24.0
100	PI/2 BPSK	1	137		23.31		
100	PI/2 BPSK	1	271		23.29		
100	PI/2 BPSK	135	0		23.00		23.5
100	PI/2 BPSK	135	69		23.32		24.0
100	PI/2 BPSK	135	138		23.00		23.5
100	PI/2 BPSK	270	0		22.97		
100	QPSK	1	1		23.29		24.0
100	QPSK	1	137		23.32		
100	QPSK	1	271		23.39		
100	QPSK	135	0		22.89		24.0
100	QPSK	135	69		23.37		
100	QPSK	135	138		22.97		
100	QPSK	270	0		22.99		23.0
100	16QAM	1	1		22.23		23.0
100	64QAM	1	1		20.99		21.5
100	256QAM	1	1		18.80		19.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.37	23.43	23.24	24.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.35	23.41	23.20	24.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.37	23.44	23.24	24.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.43	23.35	23.21	24.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.37	23.39	23.27	24.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.43	23.42	23.25	24.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.38	23.40	23.25	24.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.38	23.43	23.20	24.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.44	23.35	23.20	24.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.39	23.41	23.17	24.0

<FR1 n78_PC3_Ant 2_Sensor ON_Tablet Mode>



BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		9.71		10.0
100	PI/2 BPSK	1	137		9.59		
100	PI/2 BPSK	1	271		9.54		
100	PI/2 BPSK	135	0		9.61		10.0
100	PI/2 BPSK	135	69		9.65		10.0
100	PI/2 BPSK	135	138		9.57		10.0
100	PI/2 BPSK	270	0		9.66		
100	QPSK	1	1		9.64		10.0
100	QPSK	1	137		9.57		
100	QPSK	1	271		9.54		
100	QPSK	135	0		9.60		10.0
100	QPSK	135	69		9.68		
100	QPSK	135	138		9.60		
100	QPSK	270	0		9.65		10.0
100	16QAM	1	1		9.64		10.0
100	64QAM	1	1		9.60		10.0
100	256QAM	1	1		9.44		10.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	9.53	9.69	9.54	10.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	9.53	9.68	9.59	10.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	9.55	9.63	9.62	10.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	9.50	9.61	9.54	10.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	9.53	9.61	9.56	10.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	9.58	9.64	9.60	10.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	9.54	9.61	9.57	10.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	9.57	9.70	9.63	10.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	9.54	9.61	9.64	10.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	9.49	9.67	9.61	10.0



<FR1 n78_PC3_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.37		17.0
100	PI/2 BPSK	1	137		16.18		
100	PI/2 BPSK	1	271		16.13		
100	PI/2 BPSK	135	0		16.22		17.0
100	PI/2 BPSK	135	69		16.29		17.0
100	PI/2 BPSK	135	138		16.13		17.0
100	PI/2 BPSK	270	0		16.21		
100	QPSK	1	1		16.21		17.0
100	QPSK	1	137		16.11		
100	QPSK	1	271		16.05		
100	QPSK	135	0		16.21		17.0
100	QPSK	135	69		16.20		
100	QPSK	135	138		16.13		
100	QPSK	270	0		16.21		17.0
100	16QAM	1	1		16.13		17.0
100	64QAM	1	1		16.25		17.0
100	256QAM	1	1		16.21		17.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	16.05	16.27	16.19	17.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.13	16.31	16.16	17.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.10	16.29	16.16	17.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.06	16.33	16.23	17.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.08	16.33	16.24	17.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.14	16.34	16.15	17.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.08	16.26	16.17	17.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.09	16.32	16.23	17.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	16.06	16.27	16.24	17.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.10	16.36	16.14	17.0



<FR1 n78_PC2_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.24		27.0
100	PI/2 BPSK	1	137		25.63		
100	PI/2 BPSK	1	271		25.55		
100	PI/2 BPSK	135	0		25.69		26.5
100	PI/2 BPSK	135	69		25.64		27.0
100	PI/2 BPSK	135	138		25.67		26.5
100	PI/2 BPSK	270	0		25.72		
100	QPSK	1	1		25.68		27.0
100	QPSK	1	137		25.69		
100	QPSK	1	271		25.58		
100	QPSK	135	0		25.59		27.0
100	QPSK	135	69		25.56		
100	QPSK	135	138		25.66		
100	QPSK	270	0		25.14		26.0
100	16QAM	1	1		25.13		26.0
100	64QAM	1	1		23.69		24.5
100	256QAM	1	1		21.58		22.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.81	26.15	26.09	27.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.73	26.21	26.06	27.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.81	26.20	26.07	27.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.81	26.15	26.09	27.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.82	26.20	26.04	27.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.79	26.21	26.08	27.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.78	26.20	26.13	27.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.75	26.19	26.05	27.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.76	26.14	26.06	27.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.78	26.15	26.06	27.0



<FR1 n78_PC1.5_Ant 0_Sensor OFF_Laptop Mode/Tablet Mode>

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
100	24.90	25.05	25.03	26.0
100	24.99	25.06	24.97	
100	25.05	25.05	25.05	
100	24.76	24.94	24.95	26.0
100	24.99	25.04	25.00	
100	25.00	25.00	25.00	
100	24.87	23.91	21.48	25.0
100	23.91	21.48		24.0
100	21.48			21.5
90	25.05	25.04	24.91	26.0
80	24.97	25.00	24.88	26.0
70	24.98	25.02	24.90	26.0
60	24.96	25.03	24.94	26.0
50	25.02	25.04	24.90	26.0
40	24.98	25.03	24.92	26.0
30	24.98	24.88	24.98	26.0
20	24.90	24.89	24.91	26.0
15	24.85	24.75	24.95	26.0
10	24.88	24.80	24.93	26.0



<FR1 n78_PC2_Ant 0_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.34		21.5
100	PI/2 BPSK	1	137		20.32		
100	PI/2 BPSK	1	271		20.29		
100	PI/2 BPSK	135	0		20.15		21.0
100	PI/2 BPSK	135	69		20.33		21.5
100	PI/2 BPSK	135	138		20.24		21.0
100	PI/2 BPSK	270	0		20.33		
100	QPSK	1	1		19.95		21.5
100	QPSK	1	137		20.28		
100	QPSK	1	271		20.30		
100	QPSK	135	0		20.14		21.5
100	QPSK	135	69		20.31		
100	QPSK	135	138		20.34		
100	QPSK	270	0		20.33		20.5
100	16QAM	1	1		20.33		20.5
100	64QAM	1	1		20.32		19.0
100	256QAM	1	1		20.33		17.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.23	20.30	20.17	21.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.21	20.25	20.07	21.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.23	20.27	20.09	21.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.18	20.25	20.10	21.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.23	20.28	20.08	21.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.18	20.27	20.10	21.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.22	20.31	20.17	21.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.19	20.33	20.14	21.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.20	20.32	20.13	21.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.25	20.31	20.17	21.5



<FR1 n78_PC1.5_Ant 0_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		20.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.47		20.5
100	PI/2 BPSK	1	137		19.18		
100	PI/2 BPSK	1	271		19.16		
100	PI/2 BPSK	135	0		19.16		20.0
100	PI/2 BPSK	135	69		19.07		20.5
100	PI/2 BPSK	135	138		19.18		20.0
100	PI/2 BPSK	270	0		19.09		
100	QPSK	1	1		18.90		20.5
100	QPSK	1	137		19.15		
100	QPSK	1	271		19.10		
100	QPSK	135	0		19.09		20.5
100	QPSK	135	69		19.14		
100	QPSK	135	138		19.19		
100	QPSK	270	0		19.03		19.5
100	16QAM	1	1		19.07		19.5
100	64QAM	1	1		19.13		18.0
100	256QAM	1	1		19.08		16.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.21	19.38	19.42	20.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.24	19.46	19.36	20.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.26	19.39	19.42	20.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.23	19.46	19.41	20.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.30	19.42	19.42	20.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.20	19.44	19.38	20.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.09	19.22	19.23	20.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.14	19.20	19.14	20.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.19	19.09	19.16	20.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.00	19.21	19.12	20.5



<FR1 n78_PC2_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.16		27.0
100	PI/2 BPSK	1	137		26.03		
100	PI/2 BPSK	1	271		25.84		
100	PI/2 BPSK	135	0		25.36		26.5
100	PI/2 BPSK	135	69		26.03		27.0
100	PI/2 BPSK	135	138		25.37		26.5
100	PI/2 BPSK	270	0		25.45		
100	QPSK	1	1		25.89		27.0
100	QPSK	1	137		25.92		
100	QPSK	1	271		25.81		
100	QPSK	135	0		25.60		27.0
100	QPSK	135	69		25.94		
100	QPSK	135	138		25.31		
100	QPSK	270	0		24.87		26.0
100	16QAM	1	1		24.77		26.0
100	64QAM	1	1		23.88		24.5
100	256QAM	1	1		21.48		22.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.87	26.15	26.02	27.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.91	26.09	26.05	27.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.90	26.15	26.08	27.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.91	26.08	26.07	27.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.90	26.14	26.01	27.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.93	26.10	26.07	27.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.83	26.14	26.02	27.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.88	26.06	26.10	27.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.92	26.14	26.08	27.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.92	26.07	26.08	27.0



<FR1 n78_PC1.5_Ant 2_Sensor OFF_Laptop Mode/Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.09		26.0
100	PI/2 BPSK	1	137		24.97		
100	PI/2 BPSK	1	271		24.75		
100	PI/2 BPSK	135	0		24.17		25.5
100	PI/2 BPSK	135	69		24.85		26.0
100	PI/2 BPSK	135	138		24.23		25.5
100	PI/2 BPSK	270	0		24.41		
100	QPSK	1	1		24.85		26.0
100	QPSK	1	137		24.73		
100	QPSK	1	271		24.67		
100	QPSK	135	0		24.51		26.0
100	QPSK	135	69		24.82		
100	QPSK	135	138		24.11		
100	QPSK	270	0		23.68		25.0
100	16QAM	1	1		23.70		25.0
100	64QAM	1	1		22.88		23.5
100	256QAM	1	1		20.33		21.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.38	24.26	24.06	26.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.34	24.25	24.06	26.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.40	24.25	24.09	26.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.36	24.29	24.02	26.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.34	24.30	24.07	26.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.30	24.27	24.04	26.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.40	24.23	24.05	26.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.39	24.22	24.05	26.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.30	24.31	24.04	26.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.40	24.22	24.01	26.0



<FR1 n78_PC2_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		13.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		12.75		13.0
100	PI/2 BPSK	1	137		12.58		
100	PI/2 BPSK	1	271		12.39		13.0
100	PI/2 BPSK	135	0		12.47		
100	PI/2 BPSK	135	69		12.47		13.0
100	PI/2 BPSK	135	138		12.42		
100	PI/2 BPSK	270	0		12.56		13.0
100	QPSK	1	1		12.49		
100	QPSK	1	137		12.49		13.0
100	QPSK	1	271		12.46		
100	QPSK	135	0		12.45		13.0
100	QPSK	135	69		12.54		
100	QPSK	135	138		12.46		13.0
100	QPSK	270	0		12.51		
100	16QAM	1	1		12.41		13.0
100	64QAM	1	1		12.57		
100	256QAM	1	1		12.59		13.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	12.65	12.72	12.48	13.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	12.62	12.73	12.48	13.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	12.62	12.74	12.49	13.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	12.63	12.74	12.55	13.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	12.65	12.73	12.48	13.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	12.70	12.67	12.55	13.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	12.67	12.74	12.50	13.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	12.63	12.70	12.52	13.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	12.63	12.73	12.50	13.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	12.61	12.71	12.47	13.0



<FR1 n78_PC1.5_Ant 2_Sensor ON_Tablet Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		12.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		11.57		12.0
100	PI/2 BPSK	1	137		11.49		
100	PI/2 BPSK	1	271		11.20		12.0
100	PI/2 BPSK	135	0		11.34		
100	PI/2 BPSK	135	69		11.41		12.0
100	PI/2 BPSK	135	138		11.33		
100	PI/2 BPSK	270	0		11.46		12.0
100	QPSK	1	1		11.31		
100	QPSK	1	137		11.37		12.0
100	QPSK	1	271		11.36		
100	QPSK	135	0		11.44		12.0
100	QPSK	135	69		11.52		
100	QPSK	135	138		11.46		12.0
100	QPSK	270	0		11.34		
100	16QAM	1	1		11.40		12.0
100	64QAM	1	1		11.45		
100	256QAM	1	1		11.52		12.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	10.74	10.57	10.73	12.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	10.74	10.57	10.73	12.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	10.74	10.57	10.73	12.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	10.74	10.57	10.73	12.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	10.74	10.57	10.73	12.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	10.74	10.57	10.73	12.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	10.74	10.57	10.73	12.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	10.74	10.57	10.73	12.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	10.74	10.57	10.73	12.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	10.74	10.57	10.73	12.0



<FR1 n78_PC2_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.45		20.0
100	PI/2 BPSK	1	137		19.19		
100	PI/2 BPSK	1	271		19.25		
100	PI/2 BPSK	135	0		19.15		20.0
100	PI/2 BPSK	135	69		19.15		20.0
100	PI/2 BPSK	135	138		19.17		20.0
100	PI/2 BPSK	270	0		19.23		
100	QPSK	1	1		19.13		20.0
100	QPSK	1	137		19.23		
100	QPSK	1	271		19.26		
100	QPSK	135	0		19.14		20.0
100	QPSK	135	69		19.10		
100	QPSK	135	138		19.15		
100	QPSK	270	0		19.09		20.0
100	16QAM	1	1		19.21		20.0
100	64QAM	1	1		19.17		20.0
100	256QAM	1	1		19.09		20.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.24	19.41	19.21	20.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.26	19.37	19.24	20.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.26	19.38	19.20	20.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.21	19.44	19.22	20.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.29	19.43	19.22	20.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.20	19.35	19.24	20.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.19	19.40	19.20	20.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.27	19.39	19.26	20.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.24	19.40	19.26	20.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.23	19.37	19.21	20.0



<FR1 n78_PC1.5_Ant 2_Sensor ON_Laptop Mode>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.36		19.0
100	PI/2 BPSK	1	137		18.14		
100	PI/2 BPSK	1	271		18.23		
100	PI/2 BPSK	135	0		18.14		19.0
100	PI/2 BPSK	135	69		18.08		19.0
100	PI/2 BPSK	135	138		18.15		19.0
100	PI/2 BPSK	270	0		18.10		
100	QPSK	1	1		18.09		19.0
100	QPSK	1	137		18.14		
100	QPSK	1	271		18.20		
100	QPSK	135	0		18.09		19.0
100	QPSK	135	69		17.94		
100	QPSK	135	138		18.07		
100	QPSK	270	0		17.92		19.0
100	16QAM	1	1		18.09		19.0
100	64QAM	1	1		18.04		19.0
100	256QAM	1	1		17.95		19.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.53	17.44	17.65	19.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	17.52	17.43	17.65	19.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	17.52	17.47	17.64	19.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	17.47	17.43	17.70	19.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.50	17.50	17.62	19.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	17.48	17.49	17.65	19.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.56	17.51	17.63	19.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.48	17.50	17.66	19.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	17.55	17.47	17.62	19.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	17.53	17.52	17.67	19.0

14. Antenna Location

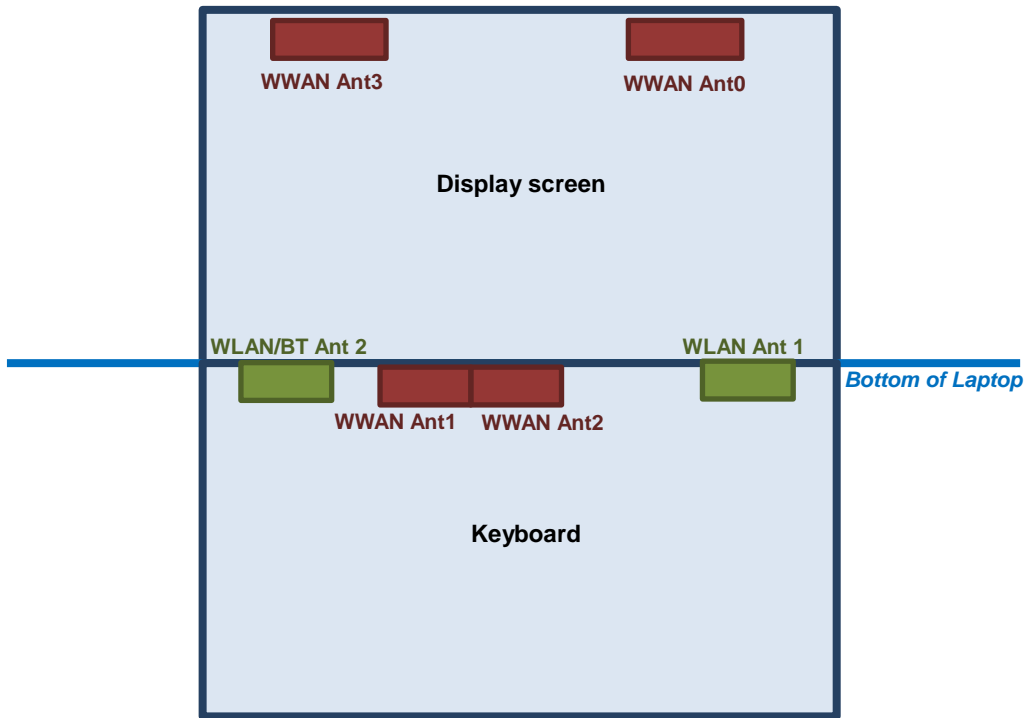
<For Tablet>



The separation distance for antenna to edge :

Antenna	To Edge1 (mm)	To Edge2 (mm)	To Edge3 (mm)	To Edge4 (mm)
WWAN Antenna 0	< 5	26	200.4	188
WWAN Antenna 1	201.4	136.6	< 5	67.5
WWAN Antenna 2	201.4	136.6	< 5	67.5
WWAN Antenna 3	< 5	188	200.4	26

<For Laptop>



The separation distance for antenna to edge :

Antenna	To Bottom of Laptop (mm)
WWAN Antenna 0	200.4
WWAN Antenna 1	< 5
WWAN Antenna 2	< 5
WWAN Antenna 3	200.4



<SAR test exclusion table>

General Note:

- The below table, when the distance is < 50 mm exclusion threshold is "Ratio", when the distance is > 50 mm exclusion threshold is "mW"
- Maximum power is the source-based time-average power and represents the maximum RF output power among production units
- Per KDB 447498 D01v06, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
- Per KDB 447498 D01v06, standalone SAR test exclusion threshold is applied; If the test separation distance is < 5mm, 5mm is used to determine SAR exclusion threshold.
- Per KDB 447498 D01v06, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot \sqrt{f(\text{GHz})} \leq 3.0$$
 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR
 - f(GHz) is the RF channel transmit frequency in GHz
 - Power and distance are rounded to the nearest mW and mm before calculation
 - The result is rounded to one decimal place for comparison
- Per KDB 447498 D01v06, at 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following
 - [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · (f(MHz)/150)] mW, at 100 MHz to 1500 MHz
 - [Threshold at 50 mm in step 1) + (test separation distance - 50 mm) · 10] mW at > 1500 MHz and ≤ 6 GHz

<Main Antenna 0>

Exposure Position	Wireless Interface	WCDMA Band V	WCDMA Band IV	WCDMA Band II	LTE Band 71 / n71	LTE Band 12 / n12	LTE Band 13 / n13	LTE Band 14 / n14	LTE Band 12 / 17	LTE Band 5 / n5	LTE Band 26 / n26	LTE Band n70	LTE Band 4 / 66 / n4 / n66	LTE Band 2 / n2	LTE Band 25 / n25	LTE Band 30 / n30	LTE Band 7 / n7	LTE Band 38 / n38	LTE Band 41 / n41	LTE Band 42	LTE Band 43	LTE Band 48 / n48	LTE Band n77	LTE Band n78
	Calculated Frequency (MHz)	846	1750	1907	695	715	784	795	713	848	848	1710	1779	1909	1914	2312	2567	2617	2687	3597	3697	3697	3975	3795
Maximum power (dBm)	24.5	24.5	24.5	24.0	24.5	24.5	24.5	24.5	24.5	24.5	24.0	24.0	24.0	24.0	23.0	24.0	24.0	27.0	24.0	22.0	22.0	27.0	27.0	
Maximum rated power(mW)	281.84	281.84	281.84	251.19	281.84	281.84	281.84	281.84	281.84	281.84	251.19	251.19	251.19	251.19	199.53	251.19	251.19	501.19	251.19	158.49	158.49	501.19	501.19	
Bottom Face	Separation distance(mm)	5.0																						
	exclusion threshold	51.9	74.6	77.8	41.9	47.7	49.9	50.3	47.6	51.9	51.9	65.7	67.0	69.4	69.5	60.7	80.5	81.3	164.3	95.3	61.0	61.0	199.9	195.3
	Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Edge 1	Separation distance(mm)	5.0																						
	exclusion threshold	51.9	74.6	77.8	41.9	47.7	49.9	50.3	47.6	51.9	51.9	65.7	67.0	69.4	69.5	60.7	80.5	81.3	164.3	95.3	61.0	61.0	199.9	195.3
	Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Edge 2	Separation distance(mm)	26.0																						
	exclusion threshold	10.0	14.3	15.0	8.1	9.2	9.6	9.7	9.2	10.0	10.0	12.6	12.9	13.4	13.4	11.7	15.5	15.6	31.6	18.3	11.7	11.7	38.4	37.6
	Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Edge 3	Separation distance(mm)	200.4																						
	exclusion threshold	1011.0	1617.0	1613.0	877.0	894.0	955.0	965.0	893.0	1013.0	1013.0	1619.0	1616.0	1613.0	1612.0	1603.0	1598.0	1597.0	1596.0	1583.0	1582.0	1582.0	1579.0	1581.0
	Testing required?	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Edge 4	Separation distance(mm)	188.0																						
	exclusion threshold	941.0	1493.0	1489.0	819.0	835.0	891.0	900.0	834.0	943.0	943.0	1495.0	1492.0	1489.0	1488.0	1479.0	1474.0	1473.0	1472.0	1459.0	1458.0	1458.0	1455.0	1457.0
	Testing required?	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Bottom of Laptop	Separation distance(mm)	200.4																						
	exclusion threshold	1011.0	1617.0	1613.0	877.0	894.0	955.0	965.0	893.0	1013.0	1013.0	1619.0	1616.0	1613.0	1612.0	1603.0	1598.0	1597.0	1596.0	1583.0	1582.0	1582.0	1579.0	1581.0
	Testing required?	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No



<MIMO 3 Antenna 1>

Exposure Position	Wireless Interface		LTE Band n41	LTE Band n77 / n78
	Calculated Frequency (MHz)		2687	3975
	Maximum power (dBm)		8.5	6.0
	Maximum rated power(mW)		7.08	3.98
Bottom Face	Separation distance(mm)		5.0	
	exclusion threshold		2.3	1.6
	Testing required?		No	No
Edge 1	Separation distance(mm)		201.4	
	exclusion threshold		1606.0	1589.0
	Testing required?		No	No
Edge 2	Separation distance(mm)		136.6	
	exclusion threshold		958.0	941.0
	Testing required?		No	No
Edge 3	Separation distance(mm)		5.0	
	exclusion threshold		2.3	1.6
	Testing required?		No	No
Edge 4	Separation distance(mm)		67.5	
	exclusion threshold		267.0	250.0
	Testing required?		No	No
Bottom of Laptop	Separation distance(mm)		5.0	
	exclusion threshold		2.3	1.6
	Testing required?		No	No

<MIMO 2 Antenna 2>

Exposure Position	Wireless Interface	LTE Band n70	LTE Band 4 / 66 / n4 / n66	LTE Band 2 / n2	LTE Band 25 / n25	LTE Band 30 / n30	LTE Band 7 / n7	LTE Band 38 / n38	LTE Band 41 / n41	LTE Band 42	LTE Band 43	LTE Band 48 / n48	LTE Band n77	LTE Band n78		
		Calculated Frequency (MHz)		1710	1779	1909	1914	2312	2567	2617	2687	3597	3697	3697	3975	3795
		Maximum power (dBm)		24.0	24.0	24.0	24.0	23.0	24.0	24.0	27.0	24.0	24.0	22.0	27.0	27.0
		Maximum rated power(mW)		251.19	251.19	251.19	251.19	199.53	251.19	251.19	501.19	251.19	251.19	158.49	501.19	501.19
Bottom Face	Separation distance(mm)		5.0													
	exclusion threshold		65.7	67.0	69.4	69.5	60.7	80.5	81.3	164.3	95.3	96.6	61.0	199.9	195.3	
	Testing required?		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Edge 1	Separation distance(mm)		201.4													
	exclusion threshold		1629.0	1626.0	1623.0	1622.0	1613.0	1608.0	1607.0	1606.0	1593.0	1592.0	1592.0	1589.0	1591.0	
	Testing required?		No	No	No	No	No	No	No	No	No	No	No	No	No	
Edge 2	Separation distance(mm)		136.6													
	exclusion threshold		981.0	978.0	975.0	974.0	965.0	960.0	959.0	958.0	945.0	944.0	944.0	941.0	943.0	
	Testing required?		No	No	No	No	No	No	No	No	No	No	No	No	No	
Edge 3	Separation distance(mm)		5.0													
	exclusion threshold		65.7	67.0	69.4	69.5	60.7	80.5	81.3	164.3	95.3	96.6	61.0	199.9	195.3	
	Testing required?		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Edge 4	Separation distance(mm)		67.5													
	exclusion threshold		290.0	287.0	284.0	283.0	274.0	269.0	268.0	267.0	254.0	253.0	253.0	250.0	252.0	
	Testing required?		No	No	No	No	No	No	No	Yes	No	No	No	Yes	Yes	
Bottom of Laptop	Separation distance(mm)		5.0													
	exclusion threshold		65.7	67.0	69.4	69.5	60.7	80.5	81.3	164.3	95.3	96.6	61.0	199.9	195.3	
	Testing required?		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	



<Aux Antenna 3>

Exposure Position	Wireless Interface	LTE Band n41	LTE Band n77 / n78
	Calculated Frequency (MHz)	2687	3975
	Maximum power (dBm)	25.0	21.5
	Maximum rated power(mW)	316.23	141.25
Bottom Face	Separation distance(mm)	5.0	
	exclusion threshold	103.7	56.3
	Testing required?	Yes	Yes
Edge 1	Separation distance(mm)	5.0	
	exclusion threshold	103.7	56.3
	Testing required?	Yes	Yes
Edge 2	Separation distance(mm)	188.0	
	exclusion threshold	1472.0	1455.0
	Testing required?	No	No
Edge 3	Separation distance(mm)	200.4	
	exclusion threshold	1596.0	1579.0
	Testing required?	No	No
Edge 4	Separation distance(mm)	26.0	
	exclusion threshold	19.9	10.8
	Testing required?	Yes	Yes
Bottom of Laptop	Separation distance(mm)	200.4	
	exclusion threshold	1596.0	1579.0
	Testing required?	No	No

15. SAR Test Results

General Note:

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
 - c. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 63.3%/62.9% = 1.006 is applied to scale-up the measured SAR result. The Reported TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
 - ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
 - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/kg.
4. For the exposure positions that proximity sensor power reduction is applied for SAR compliance, additional SAR testing with EUT transmitting full power in sensor trigger distance was performed according to section 5. The test results just verification the sensor trigger distance to meet KDB 616217 requirement, when in normal usage will not operate at trigger distance, therefore, these results were not using performed Sim-Tx analysis.

UMTS Note:

1. Per KDB 941225 D01v03r01, for SAR testing is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".
2. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA is $\leq \frac{1}{4}$ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA, and according to the following RF output power, the output power results of the secondary modes (HSUPA, HSDPA, DC-HSDPA) are less than $\frac{1}{4}$ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA.

LTE Note:

1. Per KDB 941225 D05v02r05, 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.
2. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
3. Per KDB 941225 D05v02r05, For 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.
4. Per KDB 941225 D05v02r05, 16QAM output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
5. Per KDB 941225 D05v02r05, Smaller bandwidth output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
6. For LTE B4/B5/B12/B17/B26/B38/B71 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
7. LTE band 2/4/5/17/38 SAR test was covered by Band 25/66/26/12/41; according to TCB workshop, SAR test for overlapping LTE bands can be reduced if
 - a. The maximum output power, including tolerance, for the smaller band is \leq the larger band to qualify for the SAR test exclusion.
 - b. The channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band.

5G NR Note:

1. Referencing the procedure in KDB 941225, the test procedures are outlined as below:
 - a. To start SAR test for the largest channel bandwidth for PI/2 BPSK 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. Also do SAR test for 50% RB allocation for PI/2 BPSK SAR testing using 1RB PI/2 BPSK allocation procedure
 - b. For PI/2 BPSK with 100% RB allocation, SAR test 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.
 - c. For higher modulation QPSK/16QAM/64QAM/256QAM, according to tune-up document the power level is not $\frac{1}{2}$ dB higher than the same configuration in PI/2 BPSK, also reported SAR for the PI/2 BPSK configuration is less than 1.45 W/kg, QPSK/16QAM/64QAM/256QAM SAR testing are not required.
 - d. Smaller bandwidth output power for each RB allocation configuration for this device is not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
 - e. For 5G FR1 n5/n12/n41/n71/n77, the maximum channel bandwidth does not support three non-overlapping channels in the frequency band, the middle channel of the group of overlapping channels were selected for testing.
 - f. The NR n2/38 SAR test was covered by NR n25/41; due to SAR test for overlapping NR bands can be reduced if the maximum power including tolerance, for the smaller band is \leq the larger band to qualify for the SAR test exclusion and the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band.
 - g. Due to test setup limitations, SAR testing for NR was performed using Factory Test Mode software to establish the connection and perform SAR with 100% transmission. And only for TDD power class2 was performed using Factory Test Mode software to establish the connection and perform SAR with 50% transmission.



15.1 Body SAR

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Configuration	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Face	0mm	Tablet	OFF	9262	1852.4	SPEED	23.80	24.50	1.175	-0.01	0.072	0.085
	WCDMA II_Ant 0	RMC 12.2Kbps	Edge 1	37mm	Tablet	OFF	9262	1852.4	SPEED	23.80	24.50	1.175	0.03	0.072	0.085
	WCDMA II_Ant 0	RMC 12.2Kbps	Edge 2	2mm	Tablet	OFF	9262	1852.4	SPEED	23.80	24.50	1.175	-0.16	0.132	0.155
	WCDMA II_Ant 0	RMC 12.2Kbps	Edge 1	0mm	Tablet	ON	9262	1852.4	SPEED	20.06	20.50	1.107	0.09	0.846	0.936
	WCDMA II_Ant 0	RMC 12.2Kbps	Edge 1	0mm	Tablet	ON	9400	1880	SPEED	19.90	20.50	1.148	-0.04	0.865	0.993
	WCDMA II_Ant 0	RMC 12.2Kbps	Edge 1	0mm	Tablet	ON	9538	1907.6	SPEED	19.66	20.50	1.213	-0.01	0.868	1.053
	WCDMA II_Ant 0	RMC 12.2Kbps	Edge 2	0mm	Tablet	ON	9262	1852.4	SPEED	20.06	20.50	1.107	-0.11	0.102	0.113
	WCDMA II_Ant 0	RMC 12.2Kbps	Edge 1	0mm	Tablet	ON	9262	1852.4	WNC	20.06	20.50	1.107	0.08	0.929	1.028
01	WCDMA II_Ant 0	RMC 12.2Kbps	Edge 1	0mm	Tablet	ON	9400	1880	WNC	19.90	20.50	1.148	-0.03	0.938	1.077
	WCDMA II_Ant 0	RMC 12.2Kbps	Edge 1	0mm	Tablet	ON	9538	1907.6	WNC	19.66	20.50	1.213	0.05	0.693	0.841
	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Face	0mm	Tablet	OFF	1413	1732.6	SPEED	24.21	24.50	1.069	0.03	0.049	0.052
	WCDMA IV_Ant 0	RMC 12.2Kbps	Edge 1	37mm	Tablet	OFF	1413	1732.6	SPEED	24.21	24.50	1.069	-0.12	0.001	0.001
	WCDMA IV_Ant 0	RMC 12.2Kbps	Edge 2	2mm	Tablet	OFF	1413	1732.6	SPEED	24.21	24.50	1.069	0.17	0.052	0.056
	WCDMA IV_Ant 0	RMC 12.2Kbps	Edge 1	0mm	Tablet	ON	1413	1732.6	SPEED	21.71	22.00	1.069	0.07	0.499	0.533
	WCDMA IV_Ant 0	RMC 12.2Kbps	Edge 2	0mm	Tablet	ON	1413	1732.6	SPEED	21.71	22.00	1.069	-0.08	0.115	0.123
	WCDMA IV_Ant 0	RMC 12.2Kbps	Edge 1	0mm	Tablet	ON	1413	1732.6	WNC	21.71	22.00	1.069	0.09	0.771	0.824
	WCDMA IV_Ant 0	RMC 12.2Kbps	Edge 1	0mm	Tablet	ON	1312	1712.4	WNC	21.62	22.00	1.091	-0.02	0.512	0.559
02	WCDMA IV_Ant 0	RMC 12.2Kbps	Edge 1	0mm	Tablet	ON	1513	1752.6	WNC	21.65	22.00	1.084	0.01	1.020	1.106
	WCDMA V_Ant 0	RMC 12.2Kbps	Bottom Face	0mm	Tablet	OFF	4132	826.4	SPEED	23.78	24.50	1.180	0.08	0.001	0.001
	WCDMA V_Ant 0	RMC 12.2Kbps	Edge 1	37mm	Tablet	OFF	4132	826.4	SPEED	23.78	24.50	1.180	0.16	0.001	0.001
	WCDMA V_Ant 0	RMC 12.2Kbps	Edge 2	2mm	Tablet	OFF	4132	826.4	SPEED	23.78	24.50	1.180	0.14	0.001	0.001
	WCDMA V_Ant 0	RMC 12.2Kbps	Edge 1	0mm	Tablet	ON	4132	826.4	SPEED	23.78	24.00	1.052	-0.18	0.239	0.251
	WCDMA V_Ant 0	RMC 12.2Kbps	Edge 2	0mm	Tablet	ON	4132	826.4	SPEED	23.78	24.00	1.052	-0.03	0.185	0.195
03	WCDMA V_Ant 0	RMC 12.2Kbps	Edge 1	0mm	Tablet	ON	4132	826.4	WNC	23.78	24.00	1.052	-0.01	0.806	0.848
	WCDMA V_Ant 0	RMC 12.2Kbps	Edge 1	0mm	Tablet	ON	4182	836.4	WNC	23.74	24.00	1.062	0.05	0.579	0.615
	WCDMA V_Ant 0	RMC 12.2Kbps	Edge 1	0mm	Tablet	ON	4233	846.6	WNC	23.65	24.00	1.084	0.01	0.639	0.693



<LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Configuration	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Face	0mm	Tablet	OFF	21350	2560	SPEED	22.98	24.00	1.265	0.06	0.049	0.062
	LTE Band 7_Ant 0	20M	QPSK	50	24	Bottom Face	0mm	Tablet	OFF	21350	2560	SPEED	21.73	23.00	1.340	-0.19	0.046	0.062
	LTE Band 7_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	21350	2560	SPEED	22.98	24.00	1.265	0.12	0.563	0.712
	LTE Band 7_Ant 0	20M	QPSK	50	24	Edge 1	0mm	Tablet	OFF	21350	2560	SPEED	21.73	23.00	1.340	0.19	0.412	0.552
	LTE Band 7_Ant 0	20M	QPSK	1	0	Edge 2	0mm	Tablet	OFF	21350	2560	SPEED	22.98	24.00	1.265	0	0.154	0.195
	LTE Band 7_Ant 0	20M	QPSK	50	24	Edge 2	0mm	Tablet	OFF	21350	2560	SPEED	21.73	23.00	1.340	0.03	0.149	0.200
	LTE Band 7_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	21350	2560	WNC	22.98	24.00	1.265	0.04	0.757	0.957
	LTE Band 7_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	20850	2510	WNC	22.84	24.00	1.306	-0.03	0.698	0.912
	LTE Band 7_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	21100	2535	WNC	22.92	24.00	1.282	0.08	0.683	0.876
	LTE Band 7C_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	21350	2560	WNC	22.88	24.00	1.294	0.03	0.705	0.912
	LTE Band 7_Ant 2	20M	QPSK	1	0	Bottom of Laptop	10mm	Laptop	OFF	21350	2560	SPEED	23.07	24.00	1.239	0.19	0.538	0.666
	LTE Band 7_Ant 2	20M	QPSK	50	0	Bottom of Laptop	10mm	Laptop	OFF	21350	2560	SPEED	22.10	23.00	1.230	-0.18	0.429	0.528
	LTE Band 7_Ant 2	20M	QPSK	1	0	Bottom Face	35mm	Tablet	OFF	21350	2560	SPEED	23.07	24.00	1.239	-0.01	0.066	0.082
	LTE Band 7_Ant 2	20M	QPSK	50	0	Bottom Face	35mm	Tablet	OFF	21350	2560	SPEED	22.10	23.00	1.230	0.05	0.053	0.065
	LTE Band 7_Ant 2	20M	QPSK	1	0	Edge 3	26mm	Tablet	OFF	21350	2560	SPEED	23.07	24.00	1.239	-0.18	0.079	0.098
	LTE Band 7_Ant 2	20M	QPSK	50	0	Edge 3	26mm	Tablet	OFF	21350	2560	SPEED	22.10	23.00	1.230	0.03	0.063	0.078
	LTE Band 7_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	21350	2560	SPEED	19.47	19.50	1.007	0.09	1.050	1.057
	LTE Band 7_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	20850	2510	SPEED	19.26	19.50	1.057	0.09	1.000	1.057
	LTE Band 7_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	21100	2535	SPEED	19.46	19.50	1.009	0.18	1.090	1.100
	LTE Band 7_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	21350	2560	SPEED	19.45	19.50	1.012	0.09	0.973	0.984
	LTE Band 7_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	20850	2510	SPEED	19.17	19.50	1.079	0.11	0.962	1.038
	LTE Band 7_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	21100	2535	SPEED	19.39	19.50	1.026	-0.07	1.000	1.026
	LTE Band 7_Ant 2	20M	QPSK	100	0	Bottom of Laptop	0mm	Laptop	ON	21350	2560	SPEED	19.44	19.50	1.014	0.03	0.993	1.007
	LTE Band 7_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	21350	2560	SPEED	12.95	13.00	1.012	-0.17	1.070	1.082
04	LTE Band 7_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	20850	2510	SPEED	12.51	13.00	1.119	0.01	1.000	1.119
	LTE Band 7_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	21100	2535	SPEED	12.72	13.00	1.067	0.16	0.970	1.035
	LTE Band 7_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	Tablet	ON	21350	2560	SPEED	12.62	13.00	1.091	-0.05	0.923	1.007
	LTE Band 7_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	Tablet	ON	20850	2510	SPEED	12.35	13.00	1.161	-0.15	0.837	0.972
	LTE Band 7_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	Tablet	ON	21100	2535	SPEED	12.49	13.00	1.125	0.01	0.836	0.940
	LTE Band 7_Ant 2	20M	QPSK	100	0	Bottom Face	0mm	Tablet	ON	21350	2560	SPEED	12.65	13.00	1.084	0.08	0.896	0.971
	LTE Band 7_Ant 2	20M	QPSK	1	0	Edge 3	0mm	Tablet	ON	21350	2560	SPEED	12.95	13.00	1.012	-0.12	0.210	0.212
	LTE Band 7_Ant 2	20M	QPSK	50	0	Edge 3	0mm	Tablet	ON	21350	2560	SPEED	12.62	13.00	1.091	-0.02	0.187	0.204
	LTE Band 7_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	21350	2560	WNC	19.47	19.50	1.007	0.07	1.010	1.017
	LTE Band 7_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	20850	2510	WNC	19.26	19.50	1.057	0.12	0.992	1.048
	LTE Band 7_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	21100	2535	WNC	19.46	19.50	1.009	0.11	1.010	1.019



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Configuration	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 12_Ant 0	10M	QPSK	1	0	Bottom Face	0mm	Tablet	OFF	23095	707.5	SPEED	23.22	24.50	1.343	-0.15	0.001	0.001
	LTE Band 12_Ant 0	10M	QPSK	25	0	Bottom Face	0mm	Tablet	OFF	23095	707.5	SPEED	22.23	23.50	1.340	-0.14	0.001	0.001
	LTE Band 12_Ant 0	10M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	23095	707.5	SPEED	23.22	24.50	1.343	0.03	0.303	0.407
	LTE Band 12_Ant 0	10M	QPSK	25	0	Edge 1	0mm	Tablet	OFF	23095	707.5	SPEED	22.23	23.50	1.340	-0.18	0.233	0.312
	LTE Band 12_Ant 0	10M	QPSK	1	0	Edge 2	0mm	Tablet	OFF	23095	707.5	SPEED	23.22	24.50	1.343	0.09	0.001	0.001
	LTE Band 12_Ant 0	10M	QPSK	25	0	Edge 2	0mm	Tablet	OFF	23095	707.5	SPEED	22.23	23.50	1.340	0.12	0.001	0.001
05	LTE Band 12_Ant 0	10M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	23095	707.5	WNC	23.22	24.50	1.343	0.06	0.414	0.556
	LTE Band 13_Ant 0	10M	QPSK	1	0	Bottom Face	0mm	Tablet	OFF	23230	782	SPEED	23.32	24.50	1.312	-0.03	0.001	0.001
	LTE Band 13_Ant 0	10M	QPSK	25	0	Bottom Face	0mm	Tablet	OFF	23230	782	SPEED	22.28	23.50	1.324	0.18	0.001	0.001
	LTE Band 13_Ant 0	10M	QPSK	1	0	Edge 1	37mm	Tablet	OFF	23230	782	SPEED	23.32	24.50	1.312	0.03	0.001	0.001
	LTE Band 13_Ant 0	10M	QPSK	25	0	Edge 1	37mm	Tablet	OFF	23230	782	SPEED	22.28	23.50	1.324	0.19	0.001	0.001
	LTE Band 13_Ant 0	10M	QPSK	1	0	Edge 2	2mm	Tablet	OFF	23230	782	SPEED	23.32	24.50	1.312	-0.18	0.001	0.001
	LTE Band 13_Ant 0	10M	QPSK	25	0	Edge 2	2mm	Tablet	OFF	23230	782	SPEED	22.28	23.50	1.324	-0.04	0.001	0.001
	LTE Band 13_Ant 0	10M	QPSK	1	0	Edge 1	0mm	Tablet	ON	23230	782	SPEED	23.32	23.50	1.042	-0.12	0.466	0.486
	LTE Band 13_Ant 0	10M	QPSK	25	0	Edge 1	0mm	Tablet	ON	23230	782	SPEED	22.28	22.50	1.052	-0.12	0.366	0.385
	LTE Band 13_Ant 0	10M	QPSK	1	0	Edge 2	0mm	Tablet	ON	23230	782	SPEED	23.32	23.50	1.042	-0.11	0.089	0.093
	LTE Band 13_Ant 0	10M	QPSK	25	0	Edge 2	0mm	Tablet	ON	23230	782	SPEED	22.28	22.50	1.052	-0.12	0.071	0.075
06	LTE Band 13_Ant 0	10M	QPSK	1	0	Edge 1	0mm	Tablet	ON	23230	782	WNC	23.32	23.50	1.042	-0.07	0.812	0.846
	LTE Band 14_Ant 0	10M	QPSK	1	0	Bottom Face	0mm	Tablet	OFF	23330	793	SPEED	23.37	24.50	1.297	0.01	0.001	0.001
	LTE Band 14_Ant 0	10M	QPSK	25	0	Bottom Face	0mm	Tablet	OFF	23330	793	SPEED	22.23	23.50	1.340	-0.04	0.001	0.001
	LTE Band 14_Ant 0	10M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	23330	793	SPEED	23.37	24.50	1.297	-0.06	0.423	0.549
	LTE Band 14_Ant 0	10M	QPSK	25	0	Edge 1	0mm	Tablet	OFF	23330	793	SPEED	22.23	23.50	1.340	0.12	0.302	0.405
	LTE Band 14_Ant 0	10M	QPSK	1	0	Edge 2	0mm	Tablet	OFF	23330	793	SPEED	23.37	24.50	1.297	0.09	0.001	0.001
	LTE Band 14_Ant 0	10M	QPSK	25	0	Edge 2	0mm	Tablet	OFF	23330	793	SPEED	22.23	23.50	1.340	-0.05	0.001	0.001
07	LTE Band 14_Ant 0	10M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	23330	793	WNC	23.37	24.50	1.297	0.04	0.799	1.036



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Configuration	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Face	0mm	Tablet	OFF	26140	1860	SPEED	23.18	24.00	1.208	0.09	0.045	0.054
	LTE Band 25_Ant 0	20M	QPSK	50	0	Bottom Face	0mm	Tablet	OFF	26140	1860	SPEED	22.18	23.00	1.208	-0.07	0.041	0.050
	LTE Band 25_Ant 0	20M	QPSK	1	0	Edge 1	37mm	Tablet	OFF	26140	1860	SPEED	23.18	24.00	1.208	-0.15	0.055	0.066
	LTE Band 25_Ant 0	20M	QPSK	50	0	Edge 1	37mm	Tablet	OFF	26140	1860	SPEED	22.18	23.00	1.208	0.09	0.051	0.062
	LTE Band 25_Ant 0	20M	QPSK	1	0	Edge 2	2mm	Tablet	OFF	26140	1860	SPEED	23.18	24.00	1.208	-0.05	0.082	0.099
	LTE Band 25_Ant 0	20M	QPSK	50	0	Edge 2	2mm	Tablet	OFF	26140	1860	SPEED	22.18	23.00	1.208	0.08	0.078	0.094
	LTE Band 25_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	ON	26140	1860	SPEED	19.85	21.00	1.303	0.07	0.820	1.069
08	LTE Band 25_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	ON	26340	1880	SPEED	19.81	21.00	1.315	-0.13	0.893	1.174
	LTE Band 25_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	ON	26590	1905	SPEED	19.75	21.00	1.334	0.07	0.740	0.987
	LTE Band 25_Ant 0	20M	QPSK	50	0	Edge 1	0mm	Tablet	ON	26140	1860	SPEED	18.85	20.00	1.303	-0.09	0.648	0.844
	LTE Band 25_Ant 0	20M	QPSK	50	0	Edge 1	0mm	Tablet	ON	26340	1880	SPEED	18.81	20.00	1.315	-0.09	0.692	0.910
	LTE Band 25_Ant 0	20M	QPSK	50	0	Edge 1	0mm	Tablet	ON	26590	1905	SPEED	18.84	20.00	1.306	-0.12	0.593	0.775
	LTE Band 25_Ant 0	20M	QPSK	100	0	Edge 1	0mm	Tablet	ON	26140	1860	SPEED	18.86	20.00	1.300	0.18	0.638	0.830
	LTE Band 25_Ant 0	20M	QPSK	1	0	Edge 2	0mm	Tablet	ON	26140	1860	SPEED	19.85	21.00	1.303	0.12	0.049	0.064
	LTE Band 25_Ant 0	20M	QPSK	50	0	Edge 2	0mm	Tablet	ON	26140	1860	SPEED	18.85	20.00	1.303	0	0.031	0.040
	LTE Band 25_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	ON	26140	1860	WNC	19.85	21.00	1.303	0.14	0.765	0.997
	LTE Band 25_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	ON	26340	1880	WNC	19.81	21.00	1.315	-0.03	0.813	1.069
	LTE Band 25_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	ON	26590	1905	WNC	19.75	21.00	1.334	0.05	0.661	0.881
	LTE Band 2C_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	18700	1860	SPEED	19.88	21.00	1.294	0.07	0.871	1.127
	LTE Band 25_Ant 2	20M	QPSK	1	0	Bottom of Laptop	10mm	Laptop	OFF	26340	1880	SPEED	23.04	24.00	1.247	0.07	0.523	0.652
	LTE Band 25_Ant 2	20M	QPSK	50	0	Bottom of Laptop	10mm	Laptop	OFF	26340	1880	SPEED	22.39	23.00	1.151	0.11	0.418	0.481
	LTE Band 25_Ant 2	20M	QPSK	1	0	Bottom Face	35mm	Tablet	OFF	26340	1880	SPEED	23.04	24.00	1.247	0.01	0.047	0.059
	LTE Band 25_Ant 2	20M	QPSK	50	0	Bottom Face	35mm	Tablet	OFF	26340	1880	SPEED	22.39	23.00	1.151	-0.04	0.044	0.051
	LTE Band 25_Ant 2	20M	QPSK	1	0	Edge 3	26mm	Tablet	OFF	26340	1880	SPEED	23.04	24.00	1.247	-0.07	0.070	0.087
	LTE Band 25_Ant 2	20M	QPSK	50	0	Edge 3	26mm	Tablet	OFF	26340	1880	SPEED	22.39	23.00	1.151	0.05	0.053	0.061
	LTE Band 25_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	26340	1880	SPEED	20.45	21.00	1.135	0.16	0.902	1.024
	LTE Band 25_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	26140	1860	SPEED	20.29	21.00	1.178	0.03	0.920	1.083
	LTE Band 25_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	26590	1905	SPEED	20.42	21.00	1.143	-0.15	0.847	0.968
	LTE Band 25_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	26340	1880	SPEED	20.43	21.00	1.140	0.16	0.876	0.999
	LTE Band 25_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	26140	1860	SPEED	20.36	21.00	1.159	-0.01	0.860	0.997
	LTE Band 25_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	26590	1905	SPEED	20.24	21.00	1.191	-0.06	0.856	1.020
	LTE Band 25_Ant 2	20M	QPSK	100	0	Bottom of Laptop	0mm	Laptop	ON	26140	1860	SPEED	20.35	21.00	1.161	-0.04	0.866	1.006
	LTE Band 25_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	26340	1880	SPEED	13.59	14.50	1.233	0.19	0.544	0.671
	LTE Band 25_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	Tablet	ON	26340	1880	SPEED	13.32	14.50	1.312	-0.08	0.510	0.669
	LTE Band 25_Ant 2	20M	QPSK	1	0	Edge 3	0mm	Tablet	ON	26340	1880	SPEED	13.59	14.50	1.233	0.09	0.139	0.171
	LTE Band 25_Ant 2	20M	QPSK	50	0	Edge 3	0mm	Tablet	ON	26340	1880	SPEED	13.32	14.50	1.312	-0.01	0.121	0.159
	LTE Band 25_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	26340	1880	WNC	20.45	21.00	1.135	0.08	0.790	0.897
	LTE Band 25_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	26140	1860	WNC	20.29	21.00	1.178	-0.18	0.838	0.987
	LTE Band 25_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	26590	1905	WNC	20.42	21.00	1.143	0.04	0.694	0.793



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Configuration	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 26_Ant 0	15M	QPSK	1	0	Bottom Face	0mm	Tablet	OFF	26865	831.5	SPEED	23.40	24.50	1.288	0.09	0.001	0.001
	LTE Band 26_Ant 0	15M	QPSK	36	0	Bottom Face	0mm	Tablet	OFF	26865	831.5	SPEED	22.35	23.50	1.303	0.03	0.001	0.001
	LTE Band 26_Ant 0	15M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	26865	831.5	SPEED	23.40	24.50	1.288	0.12	0.317	0.408
	LTE Band 26_Ant 0	15M	QPSK	36	0	Edge 1	0mm	Tablet	OFF	26865	831.5	SPEED	22.35	23.50	1.303	0.14	0.255	0.332
	LTE Band 26_Ant 0	15M	QPSK	1	0	Edge 2	0mm	Tablet	OFF	26865	831.5	SPEED	23.40	24.50	1.288	0.01	0.081	0.104
	LTE Band 26_Ant 0	15M	QPSK	36	0	Edge 2	0mm	Tablet	OFF	26865	831.5	SPEED	22.35	23.50	1.303	0.04	0.070	0.091
09	LTE Band 26_Ant 0	15M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	26865	831.5	WNC	23.40	24.50	1.288	0	0.520	0.670
	LTE Band 5B_Ant 0	15M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	20475	831.50	WNC	23.12	24.50	1.374	0.03	0.470	0.646
	LTE Band 30_Ant 0	10M	QPSK	1	0	Bottom Face	0mm	Tablet	OFF	27710	2310	SPEED	21.90	23.00	1.288	0.17	0.041	0.053
	LTE Band 30_Ant 0	10M	QPSK	25	0	Bottom Face	0mm	Tablet	OFF	27710	2310	SPEED	20.38	22.00	1.452	-0.07	0.029	0.042
	LTE Band 30_Ant 0	10M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	27710	2310	SPEED	21.90	23.00	1.288	-0.01	0.676	0.871
	LTE Band 30_Ant 0	10M	QPSK	25	0	Edge 1	0mm	Tablet	OFF	27710	2310	SPEED	20.38	22.00	1.452	0.12	0.477	0.693
	LTE Band 30_Ant 0	10M	QPSK	50	0	Edge 1	0mm	Tablet	OFF	27710	2310	SPEED	20.37	22.00	1.455	0.09	0.471	0.686
	LTE Band 30_Ant 0	10M	QPSK	1	0	Edge 2	0mm	Tablet	OFF	27710	2310	SPEED	21.90	23.00	1.288	-0.03	0.439	0.566
	LTE Band 30_Ant 0	10M	QPSK	25	0	Edge 2	0mm	Tablet	OFF	27710	2310	SPEED	20.38	22.00	1.452	0.09	0.301	0.437
	LTE Band 30_Ant 0	10M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	27710	2310	WNC	21.90	23.00	1.288	0.01	0.740	0.953
	LTE Band 30_Ant 2	10M	QPSK	1	0	Bottom of Laptop	10mm	Tablet	OFF	27710	2310	SPEED	21.75	23.00	1.334	0.11	0.413	0.551
	LTE Band 30_Ant 2	10M	QPSK	25	0	Bottom of Laptop	10mm	Tablet	OFF	27710	2310	SPEED	20.90	22.00	1.288	0.11	0.334	0.430
	LTE Band 30_Ant 2	10M	QPSK	1	0	Bottom Face	35mm	Tablet	OFF	27710	2310	SPEED	21.75	23.00	1.334	-0.03	0.001	0.001
	LTE Band 30_Ant 2	10M	QPSK	25	0	Bottom Face	35mm	Tablet	OFF	27710	2310	SPEED	20.90	22.00	1.288	0.18	0.001	0.001
	LTE Band 30_Ant 2	10M	QPSK	1	0	Edge 3	26mm	Tablet	OFF	27710	2310	SPEED	21.75	23.00	1.334	0.09	0.001	0.001
	LTE Band 30_Ant 2	10M	QPSK	25	0	Edge 3	26mm	Tablet	OFF	27710	2310	SPEED	20.90	22.00	1.288	-0.12	0.001	0.001
	LTE Band 30_Ant 2	10M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	27710	2310	SPEED	20.23	21.00	1.194	0.03	0.856	1.022
	LTE Band 30_Ant 2	10M	QPSK	25	0	Bottom of Laptop	0mm	Laptop	ON	27710	2310	SPEED	19.94	21.00	1.276	0.17	0.798	1.019
	LTE Band 30_Ant 2	10M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	27710	2310	SPEED	19.95	21.00	1.274	0.06	0.784	0.998
10	LTE Band 30_Ant 2	10M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	27710	2310	SPEED	13.85	15.00	1.303	0.01	0.823	1.073
	LTE Band 30_Ant 2	10M	QPSK	25	0	Bottom Face	0mm	Tablet	ON	27710	2310	SPEED	13.61	15.00	1.377	-0.15	0.755	1.040
	LTE Band 30_Ant 2	10M	QPSK	50	0	Bottom Face	0mm	Tablet	ON	27710	2310	SPEED	13.66	15.00	1.361	-0.01	0.740	1.007
	LTE Band 30_Ant 2	10M	QPSK	1	0	Edge 3	0mm	Tablet	ON	27710	2310	SPEED	13.85	15.00	1.303	-0.09	0.143	0.186
	LTE Band 30_Ant 2	10M	QPSK	25	0	Edge 3	0mm	Tablet	ON	27710	2310	SPEED	13.61	15.00	1.377	-0.1	0.128	0.176
	LTE Band 30_Ant 2	10M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	27710	2310	WNC	13.85	15.00	1.303	-0.01	0.794	1.035



Table with 18 columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB offset, Test Position, Gap (mm), Configuration, Power Reduction, Ch., Freq. (MHz), Antenna Vendor, Average Power (dBm), Tune-Up Limit (dBm), Tune-up Scaling Factor, Power Drift (dB), Measured 1g SAR (W/kg), Reported 1g SAR (W/kg). Rows include various LTE Band 66 configurations for Ant 0 and Ant 2, and LTE Band 71 configurations for Ant 0.



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Configuration	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 41_Ant 0	20M	QPSK	1	0	Bottom Face	0mm	Tablet	OFF	40620	2593	SPEED	23.13	24.00	1.222	62.9	1.006	0.16	0.042	0.052
	LTE Band 41_Ant 0	20M	QPSK	50	0	Bottom Face	0mm	Tablet	OFF	40620	2593	SPEED	22.06	23.00	1.242	62.9	1.006	0.18	0.033	0.041
	LTE Band 41_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	40620	2593	SPEED	23.13	24.00	1.222	62.9	1.006	0.17	0.478	0.588
	LTE Band 41_Ant 0	20M	QPSK	50	0	Edge 1	0mm	Tablet	OFF	40620	2593	SPEED	22.06	23.00	1.242	62.9	1.006	0.09	0.405	0.506
	LTE Band 41_Ant 0	20M	QPSK	1	0	Edge 2	0mm	Tablet	OFF	40620	2593	SPEED	23.13	24.00	1.222	62.9	1.006	-0.11	0.148	0.182
	LTE Band 41_Ant 0	20M	QPSK	50	0	Edge 2	0mm	Tablet	OFF	40620	2593	SPEED	22.06	23.00	1.242	62.9	1.006	0.11	0.132	0.165
	LTE Band 41_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	40620	2593	WNC	23.13	24.00	1.222	62.9	1.006	0.16	0.604	0.742
	LTE Band 41_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	39750	2506	WNC	22.98	24.00	1.265	62.9	1.006	-0.13	0.322	0.410
	LTE Band 41_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	40185	2549.5	WNC	23.11	24.00	1.227	62.9	1.006	0.02	0.437	0.540
	LTE Band 41_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	41055	2636.5	WNC	23.10	24.00	1.230	62.9	1.006	0.04	0.774	0.958
	LTE Band 41_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	41490	2680	WNC	23.03	24.00	1.250	62.9	1.006	-0.19	0.636	0.800
13	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	41055	2636.5	WNC	25.76	27.00	1.330	42.9	1.009	-0.03	0.892	1.197
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	40620	2593	WNC	25.89	27.00	1.291	42.9	1.009	0.02	0.751	0.978
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	39750	2506	WNC	25.68	27.00	1.355	42.9	1.009	-0.06	0.456	0.624
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	40185	2549.5	WNC	25.80	27.00	1.318	42.9	1.009	0.09	0.458	0.609
	LTE Band 41_HPUE_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	41490	2680	WNC	25.68	27.00	1.355	42.9	1.009	0.05	0.812	1.110
	LTE Band 41C_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	41055	2636.5	WNC	23.05	24.00	1.245	62.9	1.006	-0.12	0.784	0.982
	LTE Band 41C_HPUE_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	41055	2636.5	WNC	22.94	24.00	1.276	42.9	1.009	0.03	0.841	1.083
	LTE Band 41_Ant 2	20M	QPSK	1	0	Bottom of Laptop	10mm	Laptop	OFF	40620	2593	SPEED	23.27	24.00	1.183	62.9	1.006	-0.03	0.320	0.381
	LTE Band 41_Ant 2	20M	QPSK	50	0	Bottom of Laptop	10mm	Laptop	OFF	40620	2593	SPEED	22.48	23.00	1.127	62.9	1.006	0.01	0.297	0.337
	LTE Band 41_Ant 2	20M	QPSK	1	0	Bottom Face	35mm	Tablet	OFF	40620	2593	SPEED	23.27	24.00	1.183	62.9	1.006	-0.04	0.046	0.055
	LTE Band 41_Ant 2	20M	QPSK	50	0	Bottom Face	35mm	Tablet	OFF	40620	2593	SPEED	22.48	23.00	1.127	62.9	1.006	0.02	0.045	0.051
	LTE Band 41_Ant 2	20M	QPSK	1	0	Edge 3	26mm	Tablet	OFF	40620	2593	SPEED	23.27	24.00	1.183	62.9	1.006	-0.18	0.055	0.065
	LTE Band 41_Ant 2	20M	QPSK	50	0	Edge 3	26mm	Tablet	OFF	40620	2593	SPEED	22.48	23.00	1.127	62.9	1.006	0.06	0.042	0.048
	LTE Band 41_Ant 2	20M	QPSK	1	0	Edge 4	0mm	Tablet	OFF	40620	2593	SPEED	23.27	24.00	1.183	62.9	1.006	0.08	0.001	0.001
	LTE Band 41_Ant 2	20M	QPSK	50	0	Edge 4	0mm	Tablet	OFF	40620	2593	SPEED	22.48	23.00	1.127	62.9	1.006	0.01	0.001	0.001
	LTE Band 41_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	40620	2593	SPEED	20.96	21.50	1.132	62.9	1.006	-0.07	0.923	1.051
	LTE Band 41_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	39750	2506	SPEED	20.93	21.50	1.140	62.9	1.006	-0.19	0.866	0.993
	LTE Band 41_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	40185	2549.5	SPEED	20.84	21.50	1.164	62.9	1.006	0.06	0.872	1.021
	LTE Band 41_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	41055	2636.5	SPEED	20.93	21.50	1.140	62.9	1.006	0.02	0.932	1.069
	LTE Band 41_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	41490	2680	SPEED	20.85	21.50	1.161	62.9	1.006	0.16	0.869	1.015
	LTE Band 41_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	40620	2593	SPEED	20.83	21.50	1.167	62.9	1.006	0.11	0.899	1.055
	LTE Band 41_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	39750	2506	SPEED	20.74	21.50	1.191	62.9	1.006	-0.19	0.828	0.992
	LTE Band 41_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	40185	2549.5	SPEED	20.77	21.50	1.183	62.9	1.006	0.04	0.834	0.993
	LTE Band 41_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	41055	2636.5	SPEED	20.79	21.50	1.178	62.9	1.006	0.01	0.889	1.053
	LTE Band 41_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	41490	2680	SPEED	20.76	21.50	1.186	62.9	1.006	-0.04	0.827	0.987
	LTE Band 41_Ant 2	20M	QPSK	100	0	Bottom of Laptop	0mm	Laptop	ON	40620	2593	SPEED	20.81	21.50	1.172	62.9	1.006	0.01	0.902	1.064
	LTE Band 41_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	40620	2593	SPEED	13.12	14.00	1.225	62.9	1.006	0.17	0.350	0.431
	LTE Band 41_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	Tablet	ON	40620	2593	SPEED	12.98	14.00	1.265	62.9	1.006	-0.16	0.323	0.411
	LTE Band 41_Ant 2	20M	QPSK	1	0	Edge 3	0mm	Tablet	ON	40620	2593	SPEED	13.12	14.00	1.225	62.9	1.006	0	0.077	0.095
	LTE Band 41_Ant 2	20M	QPSK	50	0	Edge 3	0mm	Tablet	ON	40620	2593	SPEED	12.98	14.00	1.265	62.9	1.006	0.13	0.065	0.083
	LTE Band 41_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	41055	2636.5	WNC	20.93	21.50	1.140	42.9	1.009	-0.15	0.908	1.045
	LTE Band 41_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	39750	2506	WNC	20.93	21.50	1.140	42.9	1.009	0.12	0.850	0.978
	LTE Band 41_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	40185	2549.5	WNC	20.84	21.50	1.164	42.9	1.009	0.1	0.867	1.018
	LTE Band 41_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	41490	2680	WNC	20.85	21.50	1.161	42.9	1.009	-0.13	0.850	0.996
	LTE Band 41_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	40620	2593	WNC	20.96	21.50	1.132	42.9	1.009	-0.11	0.950	1.085
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	40620	2593	SPEED	22.94	23.00	1.014	42.9	1.009	-0.03	0.950	0.972
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	39750	2506	SPEED	22.84	23.00	1.038	42.9	1.009	0.01	0.975	1.021
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	40185	2549.5	SPEED	22.85	23.00	1.035	42.9	1.009	0.07	0.942	0.984
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	41055	2636.5	SPEED	22.93	23.00	1.016	42.9	1.009	0.01	0.950	0.974
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	41490	2680	SPEED	22.70	23.00	1.072	42.9	1.009	-0.08	0.858	0.928



FCC SAR TEST REPORT

Report No. : FA3N0842

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Configuration	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 42_Ant 0	20M	QPSK	1	0	Back of Display Screen	25mm	Laptop	OFF	43340	3575	SPEED	21.72	22.00	1.067	62.9	1.006	0.01	0.012	0.013
	LTE Band 42_Ant 0	20M	QPSK	50	0	Back of Display Screen	25mm	Laptop	OFF	43340	3575	SPEED	21.42	22.00	1.143	62.9	1.006	0.09	0.010	0.011
	LTE Band 42_Ant 0	20M	QPSK	1	0	Bottom Face	0mm	Tablet	OFF	43340	3575	SPEED	21.72	22.00	1.067	62.9	1.006	-0.01	0.035	0.038
	LTE Band 42_Ant 0	20M	QPSK	50	0	Bottom Face	0mm	Tablet	OFF	43340	3575	SPEED	21.42	22.00	1.143	62.9	1.006	-0.01	0.030	0.034
	LTE Band 42_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	43340	3575	SPEED	21.72	22.00	1.067	62.9	1.006	-0.06	0.330	0.354
	LTE Band 42_Ant 0	20M	QPSK	50	0	Edge 1	0mm	Tablet	OFF	43340	3575	SPEED	21.42	22.00	1.143	62.9	1.006	0.07	0.302	0.347
	LTE Band 42_Ant 0	20M	QPSK	1	0	Edge 2	0mm	Tablet	OFF	43340	3575	SPEED	21.72	22.00	1.067	62.9	1.006	0.14	0.214	0.230
	LTE Band 42_Ant 0	20M	QPSK	50	0	Edge 2	0mm	Tablet	OFF	43340	3575	SPEED	21.42	22.00	1.143	62.9	1.006	0.08	0.187	0.215
	LTE Band 42_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	43340	3575	WNC	21.72	22.00	1.067	62.9	1.006	0.03	0.292	0.313
	LTE Band 42C_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	43340	3575	SPEED	21.66	22.00	1.081	62.9	1.006	0.04	0.287	0.312
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom of Laptop	10mm	Laptop	OFF	43340	3575	SPEED	21.34	22.00	1.164	62.9	1.006	0.03	0.333	0.390
	LTE Band 42_Ant 2	20M	QPSK	50	0	Bottom of Laptop	10mm	Laptop	OFF	43340	3575	SPEED	21.30	22.00	1.175	62.9	1.006	-0.14	0.327	0.386
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom Face	35mm	Tablet	OFF	43340	3575	SPEED	21.34	22.00	1.164	62.9	1.006	-0.06	0.124	0.145
	LTE Band 42_Ant 2	20M	QPSK	50	0	Bottom Face	35mm	Tablet	OFF	43340	3575	SPEED	21.30	22.00	1.175	62.9	1.006	0.08	0.133	0.157
	LTE Band 42_Ant 2	20M	QPSK	1	0	Edge 3	26mm	Tablet	OFF	43340	3575	SPEED	21.34	22.00	1.164	62.9	1.006	0.14	0.097	0.114
	LTE Band 42_Ant 2	20M	QPSK	50	0	Edge 3	26mm	Tablet	OFF	43340	3575	SPEED	21.30	22.00	1.175	62.9	1.006	0.01	0.101	0.119
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	43340	3575	SPEED	18.74	19.00	1.062	62.9	1.006	0.18	0.964	1.030
	LTE Band 42_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	43340	3575	SPEED	18.15	19.00	1.216	62.9	1.006	-0.16	0.832	1.018
	LTE Band 42_Ant 2	20M	QPSK	100	0	Bottom of Laptop	0mm	Laptop	ON	43340	3575	SPEED	18.12	19.00	1.225	62.9	1.006	0.05	0.806	0.993
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	43340	3575	SPEED	12.46	13.00	1.132	62.9	1.006	0.05	0.650	0.740
	LTE Band 42_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	Tablet	ON	43340	3575	SPEED	12.33	13.00	1.167	62.9	1.006	0.08	0.624	0.732
	LTE Band 42_Ant 2	20M	QPSK	1	0	Edge 3	0mm	Tablet	ON	43340	3575	SPEED	12.46	13.00	1.132	62.9	1.006	0.03	0.185	0.211
	LTE Band 42_Ant 2	20M	QPSK	50	0	Edge 3	0mm	Tablet	ON	43340	3575	SPEED	12.33	13.00	1.167	62.9	1.006	-0.14	0.171	0.201
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	43340	3575	WNC	18.74	19.00	1.062	62.9	1.006	0.05	0.831	0.888
	LTE Band 42_Ant 0	20M	QPSK	1	0	Back of Display Screen	25mm	Laptop	OFF	42990	3540	SPEED	23.95	24.00	1.012	62.9	1.006	0.03	0.055	0.056
	LTE Band 42_Ant 0	20M	QPSK	50	0	Back of Display Screen	25mm	Laptop	OFF	42990	3540	SPEED	22.94	23.00	1.014	62.9	1.006	-0.14	0.040	0.041
	LTE Band 42_Ant 0	20M	QPSK	1	0	Bottom Face	0mm	Tablet	OFF	42990	3540	SPEED	23.95	24.00	1.012	62.9	1.006	0.08	0.035	0.036
	LTE Band 42_Ant 0	20M	QPSK	50	0	Bottom Face	0mm	Tablet	OFF	42990	3540	SPEED	22.94	23.00	1.014	62.9	1.006	-0.11	0.030	0.031
	LTE Band 42_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	42990	3540	SPEED	23.95	24.00	1.012	62.9	1.006	-0.03	0.417	0.424
	LTE Band 42_Ant 0	20M	QPSK	50	0	Edge 1	0mm	Tablet	OFF	42990	3540	SPEED	22.94	23.00	1.014	62.9	1.006	0.09	0.334	0.341
	LTE Band 42_Ant 0	20M	QPSK	1	0	Edge 2	0mm	Tablet	OFF	42990	3540	SPEED	23.95	24.00	1.012	62.9	1.006	0.02	0.035	0.036
	LTE Band 42_Ant 0	20M	QPSK	50	0	Edge 2	0mm	Tablet	OFF	42990	3540	SPEED	22.94	23.00	1.014	62.9	1.006	0.07	0.028	0.029
	LTE Band 42_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	42990	3540	WNC	23.95	24.00	1.012	62.9	1.006	0.01	0.336	0.342
	LTE Band 42C_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	42990	3540	SPEED	23.80	24.00	1.047	62.9	1.006	-0.04	0.378	0.398
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom of Laptop	10mm	Laptop	OFF	42590	3500	SPEED	23.28	24.00	1.180	62.9	1.006	-0.11	0.460	0.546
	LTE Band 42_Ant 2	20M	QPSK	50	0	Bottom of Laptop	10mm	Laptop	OFF	42590	3500	SPEED	22.53	23.00	1.114	62.9	1.006	-0.16	0.382	0.428
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom Face	35mm	Tablet	OFF	42590	3500	SPEED	23.28	24.00	1.180	62.9	1.006	0.05	0.175	0.208
	LTE Band 42_Ant 2	20M	QPSK	50	0	Bottom Face	35mm	Tablet	OFF	42590	3500	SPEED	22.53	23.00	1.114	62.9	1.006	-0.1	0.156	0.175
	LTE Band 42_Ant 2	20M	QPSK	1	0	Edge 3	26mm	Tablet	OFF	42590	3500	SPEED	23.28	24.00	1.180	62.9	1.006	0.13	0.134	0.159
	LTE Band 42_Ant 2	20M	QPSK	50	0	Edge 3	26mm	Tablet	OFF	42590	3500	SPEED	22.53	23.00	1.114	62.9	1.006	-0.12	0.115	0.129
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	42590	3500	SPEED	18.67	19.00	1.079	62.9	1.006	-0.15	0.792	0.860
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	42190	3460	SPEED	18.60	19.00	1.096	62.9	1.006	-0.04	0.781	0.861
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	42990	3540	SPEED	18.66	19.00	1.081	62.9	1.006	-0.04	0.759	0.826
	LTE Band 42_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	42590	3500	SPEED	18.25	19.00	1.189	62.9	1.006	0.19	0.803	0.960
	LTE Band 42_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	42190	3460	SPEED	18.22	19.00	1.197	62.9	1.006	-0.04	0.812	0.978
	LTE Band 42_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	42990	3540	SPEED	18.24	19.00	1.191	62.9	1.006	-0.04	0.801	0.960
	LTE Band 42_Ant 2	20M	QPSK	100	0	Bottom of Laptop	0mm	Laptop	ON	42590	3500	SPEED	18.32	19.00	1.169	62.9	1.006	0.03	0.807	0.949
14	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	42590	3500	SPEED	12.59	13.00	1.099	62.9	1.006	0.18	1.040	1.150
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	42190	3460	SPEED	12.38	13.00	1.153	62.9	1.006	-0.04	0.883	1.025
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	42990	3540	SPEED	12.41	13.00	1.146	62.9	1.006	-0.04	0.879	1.013
	LTE Band 42_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	Tablet	ON	42590	3500	SPEED	12.50	13.00	1.122	62.9	1.006	0.05	0.828	0.935
	LTE Band 42_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	Tablet	ON	42190	3460	SPEED	12.47	13.00	1.130	62.9	1.006	-0.04	0.803	0.913
	LTE Band 42_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	Tablet	ON	42990	3540	SPEED	12.30	13.00	1.175	62.9	1.006	-0.04	0.811	0.959
	LTE Band 42_Ant 2	20M	QPSK	100	0	Bottom Face	0mm	Tablet	ON	42590	3500	SPEED	12.42	13.00	1.143	62.9	1.006	0.03	0.794	0.913
	LTE Band 42_Ant 2	20M	QPSK	1	0	Edge 3	0mm	Tablet	ON	42590	3500	SPEED	12.59	13.00	1.099	62.9	1.006	-0.04	0.279	0.308
	LTE Band 42_Ant 2	20M	QPSK	50	0	Edge 3	0mm	Tablet	ON	42590	3500	SPEED	12.50	13.00	1.122	62.9	1.006	-0.12	0.195	0.220
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	42590	3500	WNC	12.59	13.00	1.099	62.9	1.006	0.11	0.809	0.894
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	42190	3460	SPEED	12.38	13.00	1.153	62.9	1.006	-0.08	0.801	0.929
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	42990	3540	SPEED	12.41	13.00	1.146	62.9	1.006	0.19	0.795	0.916



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Configuration	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 43_Ant 0	20M	QPSK	1	0	Back of Display Screen	25mm	Laptop	OFF	44090	3650	SPEED	21.63	22.00	1.089	62.9	1.006	-0.07	0.036	0.039
	LTE Band 43_Ant 0	20M	QPSK	50	0	Back of Display Screen	25mm	Laptop	OFF	44090	3650	SPEED	20.30	21.00	1.175	62.9	1.006	0.15	0.027	0.032
	LTE Band 43_Ant 0	20M	QPSK	1	0	Bottom Face	0mm	Tablet	OFF	44090	3650	SPEED	21.63	22.00	1.089	62.9	1.006	0.04	0.024	0.026
	LTE Band 43_Ant 0	20M	QPSK	50	0	Bottom Face	0mm	Tablet	OFF	44090	3650	SPEED	20.30	21.00	1.175	62.9	1.006	0.12	0.017	0.020
	LTE Band 43_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	44090	3650	SPEED	21.63	22.00	1.089	62.9	1.006	-0.09	0.354	0.388
	LTE Band 43_Ant 0	20M	QPSK	50	0	Edge 1	0mm	Tablet	OFF	44090	3650	SPEED	20.30	21.00	1.175	62.9	1.006	-0.09	0.260	0.307
	LTE Band 43_Ant 0	20M	QPSK	1	0	Edge 2	0mm	Tablet	OFF	44090	3650	SPEED	21.63	22.00	1.089	62.9	1.006	-0.1	0.265	0.290
	LTE Band 43_Ant 0	20M	QPSK	50	0	Edge 2	0mm	Tablet	OFF	44090	3650	SPEED	20.30	21.00	1.175	62.9	1.006	-0.01	0.195	0.230
	LTE Band 43_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	44090	3650	WNC	21.63	22.00	1.089	62.9	1.006	-0.15	0.329	0.360
	LTE Band 43C_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	44090	3650	SPEED	21.51	22.00	1.119	62.9	1.006	-0.02	0.323	0.364
	LTE Band 43_Ant 2	20M	QPSK	1	0	Bottom of Laptop	10mm	Laptop	OFF	44090	3650	SPEED	21.52	22.00	1.117	62.9	1.006	-0.16	0.275	0.309
	LTE Band 43_Ant 2	20M	QPSK	50	0	Bottom of Laptop	10mm	Laptop	OFF	44090	3650	SPEED	21.44	22.00	1.138	62.9	1.006	0.08	0.264	0.302
	LTE Band 43_Ant 2	20M	QPSK	1	0	Bottom Face	35mm	Tablet	OFF	44090	3650	SPEED	21.52	22.00	1.117	62.9	1.006	-0.19	0.102	0.115
	LTE Band 43_Ant 2	20M	QPSK	50	0	Bottom Face	35mm	Tablet	OFF	44090	3650	SPEED	21.44	22.00	1.138	62.9	1.006	0.02	0.116	0.133
	LTE Band 43_Ant 2	20M	QPSK	1	0	Edge 3	26mm	Tablet	OFF	44090	3650	SPEED	21.52	22.00	1.117	62.9	1.006	0.04	0.098	0.110
	LTE Band 43_Ant 2	20M	QPSK	50	0	Edge 3	26mm	Tablet	OFF	44090	3650	SPEED	21.44	22.00	1.138	62.9	1.006	0.14	0.086	0.098
15	LTE Band 43_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	44090	3650	SPEED	19.41	19.50	1.021	62.9	1.006	-0.09	1.060	1.089
	LTE Band 43_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	43690	3610	SPEED	19.34	19.50	1.038	62.9	1.006	0.05	1.020	1.065
	LTE Band 43_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	44490	3690	SPEED	19.34	19.50	1.038	62.9	1.006	0.08	1.010	1.054
	LTE Band 43_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	44090	3650	SPEED	19.32	19.50	1.042	62.9	1.006	-0.11	1.010	1.059
	LTE Band 43_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	43690	3610	SPEED	19.20	19.50	1.072	62.9	1.006	0.12	0.999	1.077
	LTE Band 43_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	44490	3690	SPEED	19.16	19.50	1.081	62.9	1.006	0.04	0.989	1.076
	LTE Band 43_Ant 2	20M	QPSK	100	0	Bottom of Laptop	0mm	Laptop	ON	44090	3650	SPEED	19.30	19.50	1.047	62.9	1.006	0.07	1.010	1.064
	LTE Band 43_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	44090	3650	SPEED	11.47	12.00	1.130	62.9	1.006	0.13	0.906	1.030
	LTE Band 43_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	43690	3610	SPEED	11.23	12.00	1.194	62.9	1.006	0.01	0.802	0.963
	LTE Band 43_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	44490	3690	SPEED	11.18	12.00	1.208	62.9	1.006	0.07	0.682	0.829
	LTE Band 43_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	Tablet	ON	44090	3650	SPEED	11.31	12.00	1.172	62.9	1.006	-0.12	0.665	0.784
	LTE Band 43_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	Tablet	ON	43690	3610	SPEED	11.13	12.00	1.222	62.9	1.006	0.03	0.645	0.793
	LTE Band 43_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	Tablet	ON	44490	3690	SPEED	11.18	12.00	1.208	62.9	1.006	0.17	0.590	0.717
	LTE Band 43_Ant 2	20M	QPSK	100	0	Bottom Face	0mm	Tablet	ON	44090	3650	SPEED	11.25	12.00	1.189	62.9	1.006	0.05	0.760	0.909
	LTE Band 43_Ant 2	20M	QPSK	1	0	Edge 3	0mm	Tablet	ON	44090	3650	SPEED	11.47	12.00	1.130	62.9	1.006	-0.12	0.145	0.165
	LTE Band 43_Ant 2	20M	QPSK	50	0	Edge 3	0mm	Tablet	ON	44090	3650	SPEED	11.31	12.00	1.172	62.9	1.006	0.01	0.130	0.153
	LTE Band 43_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	OFF	44090	3650	WNC	19.41	19.50	1.021	62.9	1.006	0.06	0.984	1.011



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Configuration	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 48_Ant 0	20M	QPSK	1	0	Bottom Face	0mm	Tablet	OFF	56150	3641	SPEED	21.68	22.00	1.076	62.9	1.006	0.18	0.001	0.001
	LTE Band 48_Ant 0	20M	QPSK	50	0	Bottom Face	0mm	Tablet	OFF	56150	3641	SPEED	20.16	21.00	1.213	62.9	1.006	-0.09	0.001	0.001
	LTE Band 48_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	56150	3641	SPEED	21.68	22.00	1.076	62.9	1.006	0.06	0.263	0.285
	LTE Band 48_Ant 0	20M	QPSK	50	0	Edge 1	0mm	Tablet	OFF	56150	3641	SPEED	20.16	21.00	1.213	62.9	1.006	-0.12	0.181	0.221
	LTE Band 48_Ant 0	20M	QPSK	1	0	Edge 2	0mm	Tablet	OFF	56150	3641	SPEED	21.68	22.00	1.076	62.9	1.006	-0.06	0.232	0.251
	LTE Band 48_Ant 0	20M	QPSK	50	0	Edge 2	0mm	Tablet	OFF	56150	3641	SPEED	20.16	21.00	1.213	62.9	1.006	0.17	0.161	0.197
	LTE Band 48_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	56150	3641	WNC	21.68	22.00	1.076	62.9	1.006	0.13	0.250	0.271
	LTE Band 48C_Ant 0	20M	QPSK	1	0	Edge 1	0mm	Tablet	OFF	56150	3641	SPEED	21.66	22.00	1.081	62.9	1.006	0.02	0.241	0.262
	LTE Band 48_Ant 2	20M	QPSK	1	0	Bottom of Laptop	10mm	Laptop	OFF	55340	3560	SPEED	21.01	22.00	1.256	62.9	1.006	-0.18	0.234	0.296
	LTE Band 48_Ant 2	20M	QPSK	50	0	Bottom of Laptop	10mm	Laptop	OFF	55340	3560	SPEED	20.09	21.00	1.233	62.9	1.006	-0.08	0.170	0.211
	LTE Band 48_Ant 2	20M	QPSK	1	0	Bottom Face	35mm	Tablet	OFF	55340	3560	SPEED	21.01	22.00	1.256	62.9	1.006	-0.07	0.109	0.138
	LTE Band 48_Ant 2	20M	QPSK	50	0	Bottom Face	35mm	Tablet	OFF	55340	3560	SPEED	20.09	21.00	1.233	62.9	1.006	-0.07	0.082	0.102
	LTE Band 48_Ant 2	20M	QPSK	1	0	Edge 3	26mm	Tablet	OFF	55340	3560	SPEED	21.01	22.00	1.256	62.9	1.006	0.05	0.079	0.100
	LTE Band 48_Ant 2	20M	QPSK	50	0	Edge 3	26mm	Tablet	OFF	55340	3560	SPEED	20.09	21.00	1.233	62.9	1.006	0.13	0.058	0.072
	LTE Band 48_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	55340	3560	SPEED	18.97	20.00	1.268	62.9	1.006	-0.14	0.871	1.111
	LTE Band 48_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	55830	3609	SPEED	18.89	20.00	1.291	62.9	1.006	0.06	0.832	1.081
	LTE Band 48_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	56150	3641	SPEED	18.81	20.00	1.315	62.9	1.006	0.05	0.827	1.094
	LTE Band 48_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Laptop	ON	56640	3690	SPEED	18.83	20.00	1.309	62.9	1.006	0.12	0.804	1.059
	LTE Band 48_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	55340	3560	SPEED	18.83	20.00	1.309	62.9	1.006	-0.11	0.851	1.121
	LTE Band 48_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	55830	3609	SPEED	18.73	20.00	1.340	62.9	1.006	0.06	0.803	1.082
	LTE Band 48_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	56150	3641	SPEED	18.65	20.00	1.365	62.9	1.006	0.17	0.797	1.094
	LTE Band 48_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	56640	3690	SPEED	18.68	20.00	1.355	62.9	1.006	0.16	0.784	1.069
	LTE Band 48_Ant 2	20M	QPSK	50	0	Bottom of Laptop	0mm	Laptop	ON	55830	3609	SPEED	18.73	20.00	1.340	62.9	1.006	-0.11	0.775	1.044
16	LTE Band 48_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	55340	3560	SPEED	11.59	12.50	1.233	62.9	1.006	0.01	0.911	1.130
	LTE Band 48_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	55830	3609	SPEED	11.51	12.50	1.256	62.9	1.006	-0.19	0.871	1.101
	LTE Band 48_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	56150	3641	SPEED	11.48	12.50	1.265	62.9	1.006	-0.02	0.865	1.101
	LTE Band 48_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	Tablet	ON	56640	3690	SPEED	11.55	12.50	1.245	62.9	1.006	-0.18	0.841	1.053
	LTE Band 48_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	Tablet	ON	55340	3560	SPEED	11.56	12.50	1.242	62.9	1.006	-0.03	0.835	1.043
	LTE Band 48_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	Tablet	ON	55830	3609	SPEED	11.53	12.50	1.250	62.9	1.006	0.1	0.840	1.057
	LTE Band 48_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	Tablet	ON	56150	3641	SPEED	11.46	12.50	1.271	62.9	1.006	-0.05	0.834	1.066
	LTE Band 48_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	Tablet	ON	56640	3690	SPEED	11.53	12.50	1.250	62.9	1.006	0.12	0.821	1.033
	LTE Band 48_Ant 2	20M	QPSK	100	0	Bottom Face	0mm	Tablet	ON	55340	3560	SPEED	11.43	12.50	1.279	62.9	1.006	0.1	0.811	1.044
	LTE Band 48_Ant 2	20M	QPSK	1	0	Edge 3	0mm	Tablet	ON	55340	3560	SPEED	11.59	12.50	1.233	62.9	1.006	0.18	0.253	0.314
	LTE Band 48_Ant 2	20M	QPSK	50	0	Edge 3	0mm	Tablet	ON	55340	3560	SPEED	11.56	12.50	1.242	62.9	1.006	0.05	0.221	0.276
	LTE Band 48_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Tablet	ON	55340	3560	WNC	11.59	12.50	1.233	62.9	1.006	-0.02	0.875	1.085
	LTE Band 48_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Tablet	ON	55830	3609	WNC	11.51	12.50	1.256	62.9	1.006	-0.04	0.836	1.056
	LTE Band 48_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Tablet	ON	56150	3641	WNC	11.48	12.50	1.265	62.9	1.006	-0.16	0.831	1.057
	LTE Band 48_Ant 2	20M	QPSK	1	0	Bottom of Laptop	0mm	Tablet	ON	56640	3690	WNC	11.55	12.50	1.245	62.9	1.006	-0.02	0.808	1.012



<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Configuration	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n7_Ant 0	40M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	507000	2535	SPEED	23.47	24.00	1.130	-0.11	0.021	0.024
	FR1 n7_Ant 0	40M	BPSK	108	54	Bottom Face	0mm	Tablet	OFF	507000	2535	SPEED	23.27	24.00	1.183	-0.13	0.019	0.022
	FR1 n7_Ant 0	40M	BPSK	1	1	Edge 1	37mm	Tablet	OFF	507000	2535	SPEED	23.47	24.00	1.130	0.09	0.001	0.001
	FR1 n7_Ant 0	40M	BPSK	108	54	Edge 1	37mm	Tablet	OFF	507000	2535	SPEED	23.27	24.00	1.183	0.15	0.001	0.001
	FR1 n7_Ant 0	40M	BPSK	1	1	Edge 2	2mm	Tablet	OFF	507000	2535	SPEED	23.47	24.00	1.130	0.01	0.131	0.148
	FR1 n7_Ant 0	40M	BPSK	108	54	Edge 2	2mm	Tablet	OFF	507000	2535	SPEED	23.27	24.00	1.183	-0.11	0.124	0.147
	FR1 n7_Ant 0	40M	BPSK	1	1	Edge 1	0mm	Tablet	ON	507000	2535	SPEED	22.78	23.50	1.180	-0.19	0.238	0.281
	FR1 n7_Ant 0	40M	BPSK	108	54	Edge 1	0mm	Tablet	ON	507000	2535	SPEED	22.62	23.50	1.225	0.19	0.221	0.271
	FR1 n7_Ant 0	40M	BPSK	1	1	Edge 2	0mm	Tablet	ON	507000	2535	SPEED	22.78	23.50	1.180	-0.18	0.062	0.073
	FR1 n7_Ant 0	40M	BPSK	108	54	Edge 2	0mm	Tablet	ON	507000	2535	SPEED	22.62	23.50	1.225	-0.04	0.051	0.062
	FR1 n7_Ant 0	40M	BPSK	1	1	Edge 1	0mm	Tablet	ON	507000	2535	WNC	22.78	23.50	1.180	-0.14	0.275	0.325
	FR1 n7_Ant 2	40M	BPSK	1	1	Bottom of Laptop	10mm	Laptop	OFF	507000	2535	SPEED	22.97	24.00	1.268	0.15	0.408	0.517
	FR1 n7_Ant 2	40M	BPSK	108	54	Bottom of Laptop	10mm	Laptop	OFF	507000	2535	SPEED	22.96	24.00	1.271	0.16	0.391	0.497
	FR1 n7_Ant 2	40M	BPSK	1	1	Bottom Face	35mm	Tablet	OFF	507000	2535	SPEED	22.97	24.00	1.268	-0.19	0.064	0.081
	FR1 n7_Ant 2	40M	BPSK	108	54	Bottom Face	35mm	Tablet	OFF	507000	2535	SPEED	22.96	24.00	1.271	-0.18	0.060	0.076
	FR1 n7_Ant 2	40M	BPSK	1	1	Edge 3	26mm	Tablet	OFF	507000	2535	SPEED	22.97	24.00	1.268	-0.11	0.065	0.082
	FR1 n7_Ant 2	40M	BPSK	108	54	Edge 3	26mm	Tablet	OFF	507000	2535	SPEED	22.96	24.00	1.271	0.03	0.058	0.074
	FR1 n7_Ant 2	40M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	507000	2535	SPEED	18.74	19.00	1.062	-0.06	1.050	1.115
	FR1 n7_Ant 2	40M	BPSK	108	54	Bottom of Laptop	0mm	Laptop	ON	507000	2535	SPEED	18.58	19.00	1.102	0.13	0.950	1.046
	FR1 n7_Ant 2	40M	BPSK	216	0	Bottom of Laptop	0mm	Laptop	ON	507000	2535	SPEED	18.67	19.00	1.079	0.05	0.942	1.016
	FR1 n7_Ant 2	40M	BPSK	1	1	Bottom Face	0mm	Tablet	ON	507000	2535	SPEED	13.16	13.50	1.081	-0.05	0.933	1.009
	FR1 n7_Ant 2	40M	BPSK	108	54	Bottom Face	0mm	Tablet	ON	507000	2535	SPEED	13.06	13.50	1.107	0.1	0.911	1.008
	FR1 n7_Ant 2	40M	BPSK	216	0	Bottom Face	0mm	Tablet	ON	507000	2535	SPEED	13.05	13.50	1.109	0.03	0.894	0.992
	FR1 n7_Ant 2	40M	BPSK	1	1	Edge 3	0mm	Tablet	ON	507000	2535	SPEED	13.16	13.50	1.081	0.01	0.164	0.177
	FR1 n7_Ant 2	40M	BPSK	108	54	Edge 3	0mm	Tablet	ON	507000	2535	SPEED	13.06	13.50	1.107	0.06	0.153	0.169
17	FR1 n7_Ant 2	40M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	507000	2535	WNC	18.74	19.00	1.062	-0.1	1.090	1.157
	FR1 n12_Ant 0	15M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	141500	707.5	SPEED	23.54	24.00	1.112	-0.13	0.001	0.001
	FR1 n12_Ant 0	15M	BPSK	36	22	Bottom Face	0mm	Tablet	OFF	141500	707.5	SPEED	23.24	24.00	1.191	-0.08	0.001	0.001
	FR1 n12_Ant 0	15M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	141500	707.5	SPEED	23.54	24.00	1.112	-0.06	0.195	0.217
	FR1 n12_Ant 0	15M	BPSK	36	22	Edge 1	0mm	Tablet	OFF	141500	707.5	SPEED	23.24	24.00	1.191	-0.02	0.181	0.216
	FR1 n12_Ant 0	15M	BPSK	1	1	Edge 2	0mm	Tablet	OFF	141500	707.5	SPEED	23.54	24.00	1.112	0.14	0.001	0.001
	FR1 n12_Ant 0	15M	BPSK	36	22	Edge 2	0mm	Tablet	OFF	141500	707.5	SPEED	23.24	24.00	1.191	-0.05	0.001	0.001
18	FR1 n12_Ant 0	15M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	141500	707.5	WNC	23.54	24.00	1.112	-0.04	0.399	0.444



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Configuration	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n13_Ant 0	10M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	156400	782	SPEED	23.55	24.00	1.109	-0.19	0.047	0.052
	FR1 n13_Ant 0	10M	BPSK	25	14	Bottom Face	0mm	Tablet	OFF	156400	782	SPEED	23.15	24.00	1.216	0.03	0.042	0.051
	FR1 n13_Ant 0	10M	BPSK	1	1	Edge 1	37mm	Tablet	OFF	156400	782	SPEED	23.55	24.00	1.109	0.11	0.001	0.001
	FR1 n13_Ant 0	10M	BPSK	25	14	Edge 1	37mm	Tablet	OFF	156400	782	SPEED	23.15	24.00	1.216	0.05	0.001	0.001
	FR1 n13_Ant 0	10M	BPSK	1	1	Edge 2	2mm	Tablet	OFF	156400	782	SPEED	23.55	24.00	1.109	-0.06	0.001	0.001
	FR1 n13_Ant 0	10M	BPSK	25	14	Edge 2	2mm	Tablet	OFF	156400	782	SPEED	23.15	24.00	1.216	-0.15	0.001	0.001
	FR1 n13_Ant 0	10M	BPSK	1	1	Edge 1	0mm	Tablet	ON	156400	782	SPEED	22.67	23.50	1.211	0.15	0.414	0.501
	FR1 n13_Ant 0	10M	BPSK	25	14	Edge 1	0mm	Tablet	ON	156400	782	SPEED	22.55	23.50	1.245	0.14	0.390	0.485
	FR1 n13_Ant 0	10M	BPSK	1	1	Edge 2	0mm	Tablet	ON	156400	782	SPEED	22.67	23.50	1.211	0.1	0.105	0.127
	FR1 n13_Ant 0	10M	BPSK	25	14	Edge 2	0mm	Tablet	ON	156400	782	SPEED	22.55	23.50	1.245	-0.17	0.095	0.118
19	FR1 n13_Ant 0	10M	BPSK	1	1	Edge 1	0mm	Tablet	ON	156400	782	WNC	22.67	23.50	1.211	-0.05	0.621	0.752
	FR1 n14_Ant 0	10M	BPSK	1	1	Bottom Face	0mm	Laptop	OFF	158600	793	SPEED	23.42	24.00	1.143	0.18	0.001	0.001
	FR1 n14_Ant 0	10M	BPSK	25	14	Bottom Face	0mm	Tablet	OFF	158600	793	SPEED	23.12	24.00	1.225	0.01	0.001	0.001
	FR1 n14_Ant 0	10M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	158600	793	SPEED	23.42	24.00	1.143	-0.17	0.561	0.641
	FR1 n14_Ant 0	10M	BPSK	25	14	Edge 1	0mm	Tablet	OFF	158600	793	SPEED	23.12	24.00	1.225	0.03	0.512	0.627
	FR1 n14_Ant 0	10M	BPSK	1	1	Edge 2	0mm	Tablet	OFF	158600	793	SPEED	23.42	24.00	1.143	0.12	0.126	0.144
	FR1 n14_Ant 0	10M	BPSK	25	14	Edge 2	0mm	Tablet	OFF	158600	793	SPEED	23.12	24.00	1.225	-0.11	0.114	0.140
20	FR1 n14_Ant 0	10M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	158600	793	WNC	23.42	24.00	1.143	-0.1	0.879	1.005
	FR1 n25_Ant 0	40M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	376500	1882.5	SPEED	23.65	24.00	1.084	-0.11	0.066	0.072
	FR1 n25_Ant 0	40M	BPSK	108	54	Bottom Face	0mm	Tablet	OFF	376500	1882.5	SPEED	23.46	24.00	1.132	0.09	0.060	0.068
	FR1 n25_Ant 0	40M	BPSK	1	1	Edge 1	37mm	Tablet	OFF	376500	1882.5	SPEED	23.65	24.00	1.084	0.18	0.052	0.056
	FR1 n25_Ant 0	40M	BPSK	108	54	Edge 1	37mm	Tablet	OFF	376500	1882.5	SPEED	23.46	24.00	1.132	-0.11	0.048	0.054
	FR1 n25_Ant 0	40M	BPSK	1	1	Edge 2	2mm	Tablet	OFF	376500	1882.5	SPEED	23.65	24.00	1.084	-0.12	0.157	0.170
	FR1 n25_Ant 0	40M	BPSK	108	54	Edge 2	2mm	Tablet	OFF	376500	1882.5	SPEED	23.46	24.00	1.132	-0.01	0.142	0.161
	FR1 n25_Ant 0	40M	BPSK	1	1	Edge 1	0mm	Tablet	ON	376500	1882.5	SPEED	19.81	20.50	1.172	0.01	0.903	1.058
	FR1 n25_Ant 0	40M	BPSK	108	54	Edge 1	0mm	Tablet	ON	376500	1882.5	SPEED	19.78	20.50	1.180	-0.08	0.878	1.036
	FR1 n25_Ant 0	40M	BPSK	216	0	Edge 1	0mm	Tablet	ON	376500	1882.5	SPEED	19.64	20.50	1.219	-0.04	0.863	1.052
	FR1 n25_Ant 0	40M	BPSK	1	1	Edge 2	0mm	Tablet	ON	376500	1882.5	SPEED	19.81	20.50	1.172	-0.06	0.092	0.108
	FR1 n25_Ant 0	40M	BPSK	108	54	Edge 2	0mm	Tablet	ON	376500	1882.5	SPEED	19.78	20.50	1.180	0.02	0.080	0.094
	FR1 n25_Ant 0	40M	BPSK	1	1	Edge 1	0mm	Tablet	ON	376500	1882.5	WNC	19.81	20.50	1.172	0.08	0.785	0.920
	FR1 n25_Ant 2	40M	BPSK	1	1	Bottom of Laptop	10mm	Laptop	OFF	376500	1882.5	SPEED	23.38	24.00	1.153	0.05	0.485	0.559
	FR1 n25_Ant 2	40M	BPSK	108	54	Bottom of Laptop	10mm	Laptop	OFF	376500	1882.5	SPEED	22.98	24.00	1.265	-0.07	0.423	0.535
	FR1 n25_Ant 2	40M	BPSK	1	1	Bottom Face	35mm	Tablet	OFF	376500	1882.5	SPEED	23.38	24.00	1.153	-0.01	0.066	0.076
	FR1 n25_Ant 2	40M	BPSK	108	54	Bottom Face	35mm	Tablet	OFF	376500	1882.5	SPEED	22.98	24.00	1.265	0.13	0.059	0.075
	FR1 n25_Ant 2	40M	BPSK	1	1	Edge 3	26mm	Tablet	OFF	376500	1882.5	SPEED	23.38	24.00	1.153	0.02	0.122	0.141
	FR1 n25_Ant 2	40M	BPSK	108	54	Edge 3	26mm	Tablet	OFF	376500	1882.5	SPEED	22.98	24.00	1.265	-0.08	0.110	0.139
	FR1 n25_Ant 2	40M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	376500	1882.5	SPEED	20.68	21.50	1.208	-0.02	0.939	1.134
	FR1 n25_Ant 2	40M	BPSK	108	54	Bottom of Laptop	0mm	Laptop	ON	376500	1882.5	SPEED	20.65	21.50	1.216	0.07	0.902	1.097
	FR1 n25_Ant 2	40M	BPSK	216	0	Bottom of Laptop	0mm	Laptop	ON	376500	1882.5	SPEED	20.50	21.50	1.259	0.13	0.870	1.095
21	FR1 n25_Ant 2	40M	BPSK	1	1	Bottom Face	0mm	Tablet	ON	376500	1882.5	SPEED	13.72	15.00	1.343	0.01	0.892	1.198
	FR1 n25_Ant 2	40M	BPSK	108	54	Bottom Face	0mm	Tablet	ON	376500	1882.5	SPEED	13.66	15.00	1.361	-0.09	0.852	1.160
	FR1 n25_Ant 2	40M	BPSK	216	0	Bottom Face	0mm	Tablet	ON	376500	1882.5	SPEED	13.63	15.00	1.371	0.11	0.855	1.172
	FR1 n25_Ant 2	40M	BPSK	1	1	Edge 3	0mm	Tablet	ON	376500	1882.5	SPEED	13.72	15.00	1.343	-0.02	0.177	0.238
	FR1 n25_Ant 2	40M	BPSK	108	54	Edge 3	0mm	Tablet	ON	376500	1882.5	SPEED	13.66	15.00	1.361	0.12	0.170	0.231
	FR1 n25_Ant 2	40M	BPSK	1	1	Bottom Face	0mm	Tablet	ON	376500	1882.5	WNC	13.72	15.00	1.343	-0.12	0.865	1.161



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Configuration	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n26_Ant 0	20M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	166300	831.5	SPEED	23.72	24.00	1.067	-0.07	0.001	0.001
	FR1 n26_Ant 0	20M	BPSK	50	28	Bottom Face	0mm	Tablet	OFF	166300	831.5	SPEED	23.51	24.00	1.119	0.13	0.001	0.001
	FR1 n26_Ant 0	20M	BPSK	1	1	Edge 1	37mm	Tablet	OFF	166300	831.5	SPEED	23.72	24.00	1.067	-0.03	0.001	0.001
	FR1 n26_Ant 0	20M	BPSK	50	28	Edge 1	37mm	Tablet	OFF	166300	831.5	SPEED	23.51	24.00	1.119	0.11	0.001	0.001
	FR1 n26_Ant 0	20M	BPSK	1	1	Edge 2	2mm	Tablet	OFF	166300	831.5	SPEED	23.72	24.00	1.067	0.16	0.001	0.001
	FR1 n26_Ant 0	20M	BPSK	50	28	Edge 2	2mm	Tablet	OFF	166300	831.5	SPEED	23.51	24.00	1.119	-0.13	0.001	0.001
	FR1 n26_Ant 0	20M	BPSK	1	1	Edge 1	0mm	Tablet	ON	166300	831.5	SPEED	22.45	23.00	1.135	0.18	0.233	0.264
	FR1 n26_Ant 0	20M	BPSK	50	28	Edge 1	0mm	Tablet	ON	166300	831.5	SPEED	22.24	23.00	1.191	-0.04	0.212	0.253
	FR1 n26_Ant 0	20M	BPSK	1	1	Edge 2	0mm	Tablet	ON	166300	831.5	SPEED	22.45	23.00	1.135	-0.13	0.122	0.138
	FR1 n26_Ant 0	20M	BPSK	50	28	Edge 2	0mm	Tablet	ON	166300	831.5	SPEED	22.24	23.00	1.191	0.15	0.112	0.133
22	FR1 n26_Ant 0	20M	BPSK	1	1	Edge 1	0mm	Tablet	ON	166300	831.5	WNC	22.45	23.00	1.135	0.03	0.450	0.511
	FR1 n30_Ant 0	10M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	462000	2310	SPEED	22.29	23.00	1.178	0.13	0.001	0.001
	FR1 n30_Ant 0	10M	BPSK	25	14	Bottom Face	0mm	Tablet	OFF	462000	2310	SPEED	22.15	23.00	1.216	0.14	0.001	0.001
	FR1 n30_Ant 0	10M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	462000	2310	SPEED	22.29	23.00	1.178	0.01	0.584	0.688
	FR1 n30_Ant 0	10M	BPSK	25	14	Edge 1	0mm	Tablet	OFF	462000	2310	SPEED	22.15	23.00	1.216	0.09	0.552	0.671
	FR1 n30_Ant 0	10M	BPSK	1	1	Edge 2	0mm	Tablet	OFF	462000	2310	SPEED	22.29	23.00	1.178	-0.12	0.424	0.499
	FR1 n30_Ant 0	10M	BPSK	25	14	Edge 2	0mm	Tablet	OFF	462000	2310	SPEED	22.15	23.00	1.216	0.08	0.403	0.490
	FR1 n30_Ant 0	10M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	462000	2310	WNC	22.29	23.00	1.178	0.05	0.713	0.840
	FR1 n30_Ant 2	10M	BPSK	1	1	Bottom of Laptop	10mm	Laptop	OFF	462000	2310	SPEED	22.33	23.00	1.167	0.07	0.384	0.448
	FR1 n30_Ant 2	10M	BPSK	25	14	Bottom of Laptop	10mm	Laptop	OFF	462000	2310	SPEED	21.75	23.00	1.334	0.09	0.331	0.441
	FR1 n30_Ant 2	10M	BPSK	1	1	Bottom Face	35mm	Tablet	OFF	462000	2310	SPEED	22.33	23.00	1.167	-0.05	0.048	0.056
	FR1 n30_Ant 2	10M	BPSK	25	14	Bottom Face	35mm	Tablet	OFF	462000	2310	SPEED	21.75	23.00	1.334	-0.05	0.040	0.053
	FR1 n30_Ant 2	10M	BPSK	1	1	Edge 3	26mm	Tablet	OFF	462000	2310	SPEED	22.33	23.00	1.167	-0.11	0.061	0.071
	FR1 n30_Ant 2	10M	BPSK	25	14	Edge 3	26mm	Tablet	OFF	462000	2310	SPEED	21.75	23.00	1.334	0.11	0.051	0.068
	FR1 n30_Ant 2	10M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	462000	2310	SPEED	20.34	21.00	1.164	0.06	1.000	1.164
	FR1 n30_Ant 2	10M	BPSK	25	14	Bottom of Laptop	0mm	Laptop	OFF	462000	2310	SPEED	20.33	21.00	1.167	-0.13	0.950	1.108
	FR1 n30_Ant 2	10M	BPSK	50	0	Bottom of Laptop	0mm	Laptop	OFF	462000	2310	SPEED	20.29	21.00	1.178	-0.09	0.956	1.126
	FR1 n30_Ant 2	10M	BPSK	1	1	Bottom Face	0mm	Tablet	ON	462000	2310	SPEED	13.85	14.50	1.161	-0.19	0.712	0.827
	FR1 n30_Ant 2	10M	BPSK	25	14	Bottom Face	0mm	Tablet	ON	462000	2310	SPEED	13.80	14.50	1.175	-0.11	1.000	1.175
	FR1 n30_Ant 2	10M	BPSK	50	0	Bottom Face	0mm	Tablet	ON	462000	2310	SPEED	13.76	14.50	1.186	-0.11	0.988	1.172
	FR1 n30_Ant 2	10M	BPSK	1	1	Edge 3	0mm	Tablet	ON	462000	2310	SPEED	13.85	14.50	1.161	0.16	0.141	0.164
	FR1 n30_Ant 2	10M	BPSK	25	14	Edge 3	0mm	Tablet	ON	462000	2310	SPEED	13.80	14.50	1.175	0.07	0.138	0.162
23	FR1 n30_Ant 2	10M	BPSK	1	1	Bottom Face	0mm	Tablet	ON	462000	2310	WNC	13.85	14.50	1.161	-0.14	1.020	1.185



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Configuration	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n66_Ant 0	40M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	349000	1745	SPEED	23.56	24.00	1.107	-0.17	0.001	0.001
	FR1 n66_Ant 0	40M	BPSK	108	54	Bottom Face	0mm	Tablet	OFF	349000	1745	SPEED	23.44	24.00	1.138	-0.16	0.001	0.001
	FR1 n66_Ant 0	40M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	349000	1745	SPEED	23.56	24.00	1.107	-0.04	0.703	0.778
	FR1 n66_Ant 0	40M	BPSK	108	54	Edge 1	0mm	Tablet	OFF	349000	1745	SPEED	23.44	24.00	1.138	0.02	0.653	0.743
	FR1 n66_Ant 0	40M	BPSK	1	1	Edge 2	0mm	Tablet	OFF	349000	1745	SPEED	23.56	24.00	1.107	0.13	0.438	0.485
	FR1 n66_Ant 0	40M	BPSK	108	54	Edge 2	0mm	Tablet	OFF	349000	1745	SPEED	23.44	24.00	1.138	0.02	0.420	0.478
24	FR1 n66_Ant 0	40M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	349000	1745	WNC	23.56	24.00	1.107	-0.02	1.060	1.173
	FR1 n66_Ant 2	40M	BPSK	1	1	Bottom of Laptop	10mm	Laptop	OFF	349000	1745	SPEED	22.90	24.00	1.288	-0.08	0.526	0.678
	FR1 n66_Ant 2	40M	BPSK	108	54	Bottom of Laptop	10mm	Laptop	OFF	349000	1745	SPEED	22.77	24.00	1.327	0.04	0.506	0.672
	FR1 n66_Ant 2	40M	BPSK	1	1	Bottom Face	35mm	Tablet	OFF	349000	1745	SPEED	22.90	24.00	1.288	0.06	0.059	0.076
	FR1 n66_Ant 2	40M	BPSK	108	54	Bottom Face	35mm	Tablet	OFF	349000	1745	SPEED	22.77	24.00	1.327	0.16	0.051	0.068
	FR1 n66_Ant 2	40M	BPSK	1	1	Edge 3	26mm	Tablet	OFF	349000	1745	SPEED	22.90	24.00	1.288	0.09	0.064	0.082
	FR1 n66_Ant 2	40M	BPSK	108	54	Edge 3	26mm	Tablet	OFF	349000	1745	SPEED	22.77	24.00	1.327	0.06	0.060	0.080
	FR1 n66_Ant 2	40M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	349000	1745	SPEED	20.71	21.00	1.069	0	0.958	1.024
	FR1 n66_Ant 2	40M	BPSK	108	54	Bottom of Laptop	0mm	Laptop	ON	349000	1745	SPEED	20.67	21.00	1.079	0.03	0.923	0.996
	FR1 n66_Ant 2	40M	BPSK	216	0	Bottom of Laptop	0mm	Laptop	ON	349000	1745	SPEED	20.65	21.00	1.084	-0.12	0.916	0.993
	FR1 n66_Ant 2	40M	BPSK	1	1	Bottom Face	0mm	Tablet	ON	349000	1745	SPEED	13.19	14.00	1.205	-0.12	0.564	0.680
	FR1 n66_Ant 2	40M	BPSK	108	54	Bottom Face	0mm	Tablet	ON	349000	1745	SPEED	13.15	14.00	1.216	0.09	0.536	0.652
	FR1 n66_Ant 2	40M	BPSK	1	1	Edge 3	0mm	Tablet	ON	349000	1745	SPEED	13.19	14.00	1.205	0.19	0.191	0.230
	FR1 n66_Ant 2	40M	BPSK	108	54	Edge 3	0mm	Tablet	ON	349000	1745	SPEED	13.15	14.00	1.216	0.02	0.178	0.216
	FR1 n66_Ant 2	40M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	349000	1745	WNC	20.71	21.00	1.069	-0.18	1.030	1.101
	FR1 n70_Ant 0	15M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	340500	1702.5	SPEED	23.15	24.00	1.216	0	0.001	0.001
	FR1 n70_Ant 0	15M	BPSK	36	22	Bottom Face	0mm	Tablet	OFF	340500	1702.5	SPEED	23.06	24.00	1.242	-0.1	0.001	0.001
	FR1 n70_Ant 0	15M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	340500	1702.5	SPEED	23.15	24.00	1.216	0.04	0.349	0.424
	FR1 n70_Ant 0	15M	BPSK	36	22	Edge 1	0mm	Tablet	OFF	340500	1702.5	SPEED	23.06	24.00	1.242	0.03	0.323	0.401
	FR1 n70_Ant 0	15M	BPSK	1	1	Edge 2	0mm	Tablet	OFF	340500	1702.5	SPEED	23.15	24.00	1.216	-0.07	0.313	0.381
	FR1 n70_Ant 0	15M	BPSK	36	22	Edge 2	0mm	Tablet	OFF	340500	1702.5	SPEED	23.06	24.00	1.242	0.01	0.289	0.359
	FR1 n70_Ant 0	15M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	340500	1702.5	WNC	23.15	24.00	1.216	0.12	0.519	0.631
	FR1 n70_Ant 2	15M	BPSK	1	1	Bottom of Laptop	10mm	Laptop	OFF	340500	1702.5	SPEED	23.30	24.00	1.175	-0.08	0.499	0.586
	FR1 n70_Ant 2	15M	BPSK	36	22	Bottom of Laptop	10mm	Laptop	OFF	340500	1702.5	SPEED	23.08	24.00	1.236	-0.06	0.451	0.557
	FR1 n70_Ant 2	15M	BPSK	1	1	Bottom Face	35mm	Tablet	OFF	340500	1702.5	SPEED	23.30	24.00	1.175	0.17	0.057	0.067
	FR1 n70_Ant 2	15M	BPSK	36	22	Bottom Face	35mm	Tablet	OFF	340500	1702.5	SPEED	23.08	24.00	1.236	0.07	0.050	0.062
	FR1 n70_Ant 2	15M	BPSK	1	1	Edge 3	26mm	Tablet	OFF	340500	1702.5	SPEED	23.30	24.00	1.175	-0.1	0.063	0.074
	FR1 n70_Ant 2	15M	BPSK	36	22	Edge 3	26mm	Tablet	OFF	340500	1702.5	SPEED	23.08	24.00	1.236	-0.04	0.058	0.072
25	FR1 n70_Ant 2	15M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	340500	1702.5	SPEED	20.96	21.00	1.009	0.05	1.020	1.029
	FR1 n70_Ant 2	15M	BPSK	36	22	Bottom of Laptop	0mm	Laptop	OFF	340500	1702.5	SPEED	20.79	21.00	1.050	0.18	0.963	1.011
	FR1 n70_Ant 2	15M	BPSK	75	0	Bottom of Laptop	0mm	Laptop	OFF	340500	1702.5	SPEED	20.83	21.00	1.040	-0.11	0.971	1.010
	FR1 n70_Ant 2	15M	BPSK	1	1	Bottom Face	0mm	Tablet	ON	340500	1702.5	SPEED	13.30	14.00	1.175	0.09	0.581	0.683
	FR1 n70_Ant 2	15M	BPSK	36	22	Bottom Face	0mm	Tablet	ON	340500	1702.5	SPEED	13.28	14.00	1.180	0.01	0.558	0.659
	FR1 n70_Ant 2	15M	BPSK	1	1	Edge 3	0mm	Tablet	ON	340500	1702.5	SPEED	13.30	14.00	1.175	-0.01	0.150	0.176
	FR1 n70_Ant 2	15M	BPSK	36	22	Edge 3	0mm	Tablet	ON	340500	1702.5	SPEED	13.28	14.00	1.180	0.19	0.139	0.164
	FR1 n70_Ant 2	15M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	340500	1702.5	WNC	20.96	21.00	1.009	0.19	0.981	0.990
	FR1 n71_Ant 0	20M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	136100	680.5	SPEED	23.65	24.00	1.084	-0.1	0.001	0.001
	FR1 n71_Ant 0	20M	BPSK	50	28	Bottom Face	0mm	Tablet	OFF	136100	680.5	SPEED	23.51	24.00	1.119	0.1	0.001	0.001
26	FR1 n71_Ant 0	20M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	136100	680.5	SPEED	23.65	24.00	1.084	0.01	0.369	0.400
	FR1 n71_Ant 0	20M	BPSK	50	28	Edge 1	0mm	Tablet	OFF	136100	680.5	SPEED	23.51	24.00	1.119	-0.07	0.325	0.364
	FR1 n71_Ant 0	20M	BPSK	1	1	Edge 2	0mm	Tablet	OFF	136100	680.5	SPEED	23.65	24.00	1.084	0.07	0.001	0.001
	FR1 n71_Ant 0	20M	BPSK	50	28	Edge 2	0mm	Tablet	OFF	136100	680.5	SPEED	23.51	24.00	1.119	-0.13	0.001	0.001
	FR1 n71_Ant 0	20M	BPSK	1	1	Edge 1	0mm	Laptop	OFF	136100	680.5	WNC	23.65	24.00	1.084	0.12	0.331	0.359



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Configuration	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n41_Ant 0	100M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	518598	2592.99	SPEED	23.82	24.00	1.042	0.19	0.040	0.042
	FR1 n41_Ant 0	100M	BPSK	135	69	Bottom Face	0mm	Tablet	OFF	518598	2592.99	SPEED	23.72	24.00	1.067	0.1	0.032	0.034
	FR1 n41_Ant 0	100M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	518598	2592.99	SPEED	23.82	24.00	1.042	-0.16	0.742	0.773
	FR1 n41_Ant 0	100M	BPSK	135	69	Edge 1	0mm	Tablet	OFF	518598	2592.99	SPEED	23.72	24.00	1.067	-0.18	0.722	0.770
	FR1 n41_Ant 0	100M	BPSK	1	1	Edge 2	0mm	Tablet	OFF	518598	2592.99	SPEED	23.82	24.00	1.042	-0.18	0.130	0.136
	FR1 n41_Ant 0	100M	BPSK	135	69	Edge 2	0mm	Tablet	OFF	518598	2592.99	SPEED	23.72	24.00	1.067	-0.17	0.123	0.131
	FR1 n41_Ant 0	100M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	518598	2592.99	WNC	23.82	24.00	1.042	-0.07	0.816	0.851
	FR1 n41_HPUE_Ant 0	100M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	518598	2592.99	WNC	26.63	27.00	1.089	-0.15	0.645	0.702
	FR1 n41_Ant 1	100M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	OFF	518598	2592.99	SPEED	4.65	5.50	1.216	0	0.001	0.001
	FR1 n41_Ant 1	100M	BPSK	135	69	Bottom of Laptop	0mm	Laptop	OFF	518598	2592.99	SPEED	4.54	5.50	1.247	0.09	0.001	0.001
	FR1 n41_Ant 1	100M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	518598	2592.99	SPEED	4.65	5.50	1.216	0.18	0.270	0.328
	FR1 n41_Ant 1	100M	BPSK	135	69	Bottom Face	0mm	Tablet	OFF	518598	2592.99	SPEED	4.54	5.50	1.247	0.02	0.159	0.198
	FR1 n41_Ant 1	100M	BPSK	1	1	Edge 3	0mm	Tablet	OFF	518598	2592.99	SPEED	4.65	5.50	1.216	-0.02	0.001	0.001
	FR1 n41_Ant 1	100M	BPSK	135	69	Edge 3	0mm	Tablet	OFF	518598	2592.99	SPEED	4.54	5.50	1.247	-0.06	0.001	0.001
	FR1 n41_Ant 1	100M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	518598	2592.99	WNC	4.65	5.50	1.216	0.09	0.174	0.212
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	518598	2592.99	SPEED	7.70	8.50	1.202	0.15	0.258	0.310
	FR1 n41_Ant 2	100M	BPSK	1	1	Bottom of Laptop	10mm	Laptop	OFF	518598	2592.99	SPEED	23.26	24.00	1.186	-0.14	0.901	1.068
	FR1 n41_Ant 2	100M	BPSK	135	69	Bottom of Laptop	10mm	Laptop	OFF	518598	2592.99	SPEED	23.13	24.00	1.222	0.17	0.840	1.026
	FR1 n41_Ant 2	100M	BPSK	270	0	Bottom of Laptop	10mm	Laptop	OFF	518598	2592.99	SPEED	22.60	23.50	1.230	0.06	0.831	1.022
	FR1 n41_Ant 2	100M	BPSK	1	1	Bottom Face	35mm	Tablet	OFF	518598	2592.99	SPEED	23.26	24.00	1.186	-0.09	0.124	0.147
	FR1 n41_Ant 2	100M	BPSK	135	69	Bottom Face	35mm	Tablet	OFF	518598	2592.99	SPEED	23.13	24.00	1.222	-0.13	0.104	0.127
	FR1 n41_Ant 2	100M	BPSK	1	1	Edge 3	26mm	Tablet	OFF	518598	2592.99	SPEED	23.26	24.00	1.186	-0.02	0.071	0.084
	FR1 n41_Ant 2	100M	BPSK	135	69	Edge 3	26mm	Tablet	OFF	518598	2592.99	SPEED	23.13	24.00	1.222	0.06	0.059	0.072
27	FR1 n41_Ant 2	100M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	518598	2592.99	SPEED	18.30	19.00	1.175	-0.13	0.936	1.100
	FR1 n41_Ant 2	100M	BPSK	135	69	Bottom of Laptop	0mm	Laptop	ON	518598	2592.99	SPEED	18.21	19.00	1.199	0.11	0.892	1.070
	FR1 n41_Ant 2	100M	BPSK	270	0	Bottom of Laptop	0mm	Laptop	ON	518598	2592.99	SPEED	18.15	19.00	1.216	0.11	0.881	1.071
	FR1 n41_Ant 2	100M	BPSK	1	1	Bottom Face	0mm	Tablet	ON	518598	2592.99	SPEED	12.77	13.50	1.183	0.11	0.923	1.092
	FR1 n41_Ant 2	100M	BPSK	135	69	Bottom Face	0mm	Tablet	ON	518598	2592.99	SPEED	12.68	13.50	1.208	-0.16	0.875	1.057
	FR1 n41_Ant 2	100M	BPSK	270	0	Bottom Face	0mm	Tablet	ON	518598	2592.99	SPEED	12.55	13.50	1.245	0.17	0.843	1.049
	FR1 n41_Ant 2	100M	BPSK	1	1	Edge 3	0mm	Tablet	ON	518598	2592.99	SPEED	12.77	13.50	1.183	0.08	0.182	0.215
	FR1 n41_Ant 2	100M	BPSK	135	69	Edge 3	0mm	Tablet	ON	518598	2592.99	SPEED	12.68	13.50	1.208	0.14	0.168	0.203
	FR1 n41_Ant 2	100M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	518598	2592.99	WNC	18.30	19.00	1.175	-0.01	0.922	1.083
	FR1 n41_HPUE_Ant 2	100M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	518598	2592.99	SPEED	21.60	22.00	1.096	-0.03	0.997	1.093
	FR1 n41_Ant 3	100M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	518598	2592.99	SPEED	21.30	22.00	1.175	0.1	0.050	0.059
	FR1 n41_Ant 3	100M	BPSK	135	0	Bottom Face	0mm	Tablet	OFF	518598	2592.99	SPEED	21.04	21.50	1.112	-0.06	0.045	0.050
	FR1 n41_Ant 3	100M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	518598	2592.99	SPEED	21.30	22.00	1.175	-0.03	0.725	0.852
	FR1 n41_Ant 3	100M	BPSK	135	0	Edge 1	0mm	Tablet	OFF	518598	2592.99	SPEED	21.04	21.50	1.112	-0.17	0.702	0.780
	FR1 n41_Ant 3	100M	BPSK	1	1	Edge 4	0mm	Tablet	OFF	518598	2592.99	SPEED	21.30	22.00	1.175	0.17	0.215	0.253
	FR1 n41_Ant 3	100M	BPSK	135	0	Edge 4	0mm	Tablet	OFF	518598	2592.99	SPEED	21.04	21.50	1.112	0.1	0.204	0.227
	FR1 n41_Ant 3	100M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	518598	2592.99	WNC	21.30	22.00	1.175	0.11	0.720	0.846
	FR1 n41_HPUE_Ant 3	100M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	518598	2592.99	WNC	24.10	25.00	1.230	-0.05	0.658	0.810



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Configuration	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n48_Ant 0	40M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	645332	3679.98	SPEED	21.72	22.00	1.067	0	0.044	0.047
	FR1 n48_Ant 0	40M	BPSK	50	28	Bottom Face	0mm	Tablet	OFF	645332	3679.98	SPEED	21.53	22.00	1.114	-0.04	0.038	0.042
	FR1 n48_Ant 0	40M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	645332	3679.98	SPEED	21.72	22.00	1.067	0.05	0.566	0.604
	FR1 n48_Ant 0	40M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	638000	3570	SPEED	21.70	22.00	1.072	-0.09	0.583	0.625
	FR1 n48_Ant 0	40M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	641666	3624.99	SPEED	21.63	22.00	1.089	0.12	0.709	0.772
	FR1 n48_Ant 0	40M	BPSK	50	28	Edge 1	0mm	Tablet	OFF	645332	3679.98	SPEED	21.53	22.00	1.114	-0.06	0.703	0.783
	FR1 n48_Ant 0	40M	BPSK	50	28	Edge 1	0mm	Tablet	OFF	638000	3570	SPEED	21.48	22.00	1.127	-0.05	0.689	0.777
	FR1 n48_Ant 0	40M	BPSK	50	28	Edge 1	0mm	Tablet	OFF	641666	3624.99	SPEED	21.49	22.00	1.125	-0.11	0.681	0.766
	FR1 n48_Ant 0	40M	BPSK	1	1	Edge 2	0mm	Tablet	OFF	645332	3679.98	SPEED	21.72	22.00	1.067	-0.17	0.292	0.311
	FR1 n48_Ant 0	40M	BPSK	50	28	Edge 2	0mm	Tablet	OFF	645332	3679.98	SPEED	21.53	22.00	1.114	-0.11	0.272	0.303
	FR1 n48_Ant 0	40M	BPSK	50	28	Edge 1	0mm	Tablet	OFF	641666	3624.99	WNC	21.49	22.00	1.125	0.09	0.932	1.048
	FR1 n48_Ant 0	40M	BPSK	50	28	Edge 1	0mm	Tablet	OFF	638000	3570	WNC	21.48	22.00	1.127	-0.06	0.920	1.037
	FR1 n48_Ant 0	40M	BPSK	50	28	Edge 1	0mm	Tablet	OFF	645332	3679.98	WNC	21.53	22.00	1.114	0.04	0.916	1.021
	FR1 n48_Ant 2	40M	BPSK	1	1	Bottom of Laptop	10mm	Laptop	OFF	641666	3624.99	SPEED	20.93	22.00	1.279	0.03	0.394	0.504
	FR1 n48_Ant 2	40M	BPSK	50	28	Bottom of Laptop	10mm	Laptop	OFF	641666	3624.99	SPEED	20.77	22.00	1.327	-0.14	0.374	0.496
	FR1 n48_Ant 2	40M	BPSK	1	1	Bottom Face	35mm	Tablet	OFF	641666	3624.99	SPEED	20.93	22.00	1.279	0.02	0.162	0.207
	FR1 n48_Ant 2	40M	BPSK	50	28	Bottom Face	35mm	Tablet	OFF	641666	3624.99	SPEED	20.77	22.00	1.327	0.07	0.151	0.200
	FR1 n48_Ant 2	40M	BPSK	1	1	Edge 3	26mm	Tablet	OFF	641666	3624.99	SPEED	20.93	22.00	1.279	-0.12	0.140	0.179
	FR1 n48_Ant 2	40M	BPSK	50	28	Edge 3	26mm	Tablet	OFF	641666	3624.99	SPEED	20.77	22.00	1.327	0.09	0.132	0.175
28	FR1 n48_Ant 2	40M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	641666	3624.99	SPEED	17.34	17.50	1.038	-0.16	1.120	1.162
	FR1 n48_Ant 2	40M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	638000	3570	SPEED	17.30	17.50	1.047	-0.1	0.934	0.978
	FR1 n48_Ant 2	40M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	645332	3679.98	SPEED	17.27	17.50	1.054	-0.04	0.924	0.974
	FR1 n48_Ant 2	40M	BPSK	50	28	Bottom of Laptop	0mm	Laptop	ON	641666	3624.99	SPEED	17.06	17.50	1.107	0.1	0.957	1.059
	FR1 n48_Ant 2	40M	BPSK	50	28	Bottom of Laptop	0mm	Laptop	ON	638000	3570	SPEED	16.99	17.50	1.125	-0.16	0.932	1.048
	FR1 n48_Ant 2	40M	BPSK	50	28	Bottom of Laptop	0mm	Laptop	ON	645332	3679.98	SPEED	16.94	17.50	1.138	0.05	0.886	1.008
	FR1 n48_Ant 2	40M	BPSK	100	0	Bottom of Laptop	0mm	Laptop	ON	641666	3624.99	SPEED	17.03	17.50	1.114	0.08	0.918	1.023
	FR1 n48_Ant 2	40M	BPSK	1	1	Bottom Face	0mm	Tablet	ON	641666	3624.99	SPEED	8.95	9.50	1.135	0.07	0.652	0.740
	FR1 n48_Ant 2	40M	BPSK	1	1	Bottom Face	0mm	Tablet	ON	638000	3570	SPEED	8.84	9.50	1.164	0.04	0.675	0.786
	FR1 n48_Ant 2	40M	BPSK	1	1	Bottom Face	0mm	Tablet	ON	645332	3679.98	SPEED	8.92	9.50	1.143	0.05	0.661	0.755
	FR1 n48_Ant 2	40M	BPSK	50	28	Bottom Face	0mm	Tablet	ON	641666	3624.99	SPEED	8.89	9.50	1.151	-0.08	0.602	0.693
	FR1 n48_Ant 2	40M	BPSK	50	28	Bottom Face	0mm	Tablet	ON	638000	3570	SPEED	8.68	9.50	1.208	0.1	0.703	0.849
	FR1 n48_Ant 2	40M	BPSK	50	28	Bottom Face	0mm	Tablet	ON	645332	3679.98	SPEED	8.80	9.50	1.175	-0.13	0.594	0.698
	FR1 n48_Ant 2	40M	BPSK	100	0	Bottom Face	0mm	Tablet	ON	641666	3624.99	SPEED	8.74	9.50	1.191	0.11	0.656	0.781
	FR1 n48_Ant 2	40M	BPSK	1	1	Edge 3	0mm	Tablet	ON	641666	3624.99	SPEED	8.95	9.50	1.135	-0.12	0.202	0.229
	FR1 n48_Ant 2	40M	BPSK	50	28	Edge 3	0mm	Tablet	ON	641666	3624.99	SPEED	8.89	9.50	1.151	0.1	0.172	0.198
	FR1 n48_Ant 2	40M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	641666	3624.99	WNC	17.34	17.50	1.038	0.03	1.080	1.121



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Configuration	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n77_Ant 0	100M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	656000	3840	SPEED	23.41	24.00	1.146	0.08	0.081	0.093
	FR1 n77_Ant 0	100M	BPSK	135	69	Bottom Face	0mm	Tablet	OFF	656000	3840	SPEED	23.10	24.00	1.230	0.01	0.073	0.090
	FR1 n77_Ant 0	100M	BPSK	1	1	Edge 1	37mm	Tablet	OFF	656000	3840	SPEED	23.41	24.00	1.146	-0.13	0.090	0.103
	FR1 n77_Ant 0	100M	BPSK	135	69	Edge 1	37mm	Tablet	OFF	656000	3840	SPEED	23.10	24.00	1.230	0.08	0.080	0.098
	FR1 n77_Ant 0	100M	BPSK	1	1	Edge 2	2mm	Tablet	OFF	656000	3840	SPEED	23.41	24.00	1.146	-0.06	0.330	0.378
	FR1 n77_Ant 0	100M	BPSK	135	69	Edge 2	2mm	Tablet	OFF	656000	3840	SPEED	23.10	24.00	1.230	-0.1	0.296	0.364
	FR1 n77_Ant 0	100M	BPSK	1	1	Edge 1	0mm	Tablet	ON	656000	3840	SPEED	17.45	18.50	1.274	-0.15	0.304	0.387
	FR1 n77_Ant 0	100M	BPSK	135	69	Edge 1	0mm	Tablet	ON	656000	3840	SPEED	17.42	18.50	1.282	0.13	0.281	0.360
	FR1 n77_Ant 0	100M	BPSK	1	1	Edge 2	0mm	Tablet	ON	656000	3840	SPEED	17.45	18.50	1.274	-0.01	0.123	0.157
	FR1 n77_Ant 0	100M	BPSK	135	69	Edge 2	0mm	Tablet	ON	656000	3840	SPEED	17.42	18.50	1.282	-0.06	0.110	0.141
	FR1 n77_HPUE_Ant 0	100M	BPSK	1	1	Edge 1	0mm	Tablet	ON	656000	3840	SPEED	20.44	21.50	1.276	-0.13	0.284	0.363
	FR1 n77_Ant 0	100M	BPSK	1	1	Edge 1	0mm	Tablet	ON	656000	3840	WNC	17.45	18.50	1.274	0.14	0.668	0.851
	FR1 n77_HPUE_Ant 0	100M	BPSK	1	1	Edge 1	0mm	Tablet	ON	656000	3840	WNC	20.44	21.50	1.276	-0.13	0.603	0.770
	FR1 n77_Ant 1	100M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	OFF	656000	3840	SPEED	2.66	3.00	1.081	-0.02	0.025	0.027
	FR1 n77_Ant 1	100M	BPSK	135	69	Bottom of Laptop	0mm	Laptop	OFF	656000	3840	SPEED	2.53	3.00	1.114	-0.06	0.022	0.025
	FR1 n77_Ant 1	100M	BPSK	1	1	Bottom Face	0mm	Laptop	OFF	656000	3840	SPEED	2.66	3.00	1.081	0.1	0.125	0.135
	FR1 n77_Ant 1	100M	BPSK	135	69	Bottom Face	0mm	Laptop	OFF	656000	3840	SPEED	2.53	3.00	1.114	0.14	0.120	0.134
	FR1 n77_Ant 1	100M	BPSK	1	1	Edge 3	0mm	Laptop	OFF	656000	3840	SPEED	2.66	3.00	1.081	0.14	0.037	0.040
	FR1 n77_Ant 1	100M	BPSK	135	69	Edge 3	0mm	Laptop	OFF	656000	3840	SPEED	2.53	3.00	1.114	-0.13	0.034	0.038
	FR1 n77_Ant 1	100M	BPSK	1	1	Bottom Face	0mm	Laptop	OFF	656000	3840	WNC	2.66	3.00	1.081	0.07	0.158	0.171
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Bottom Face	0mm	Laptop	OFF	656000	3840	WNC	5.66	6.00	1.081	-0.09	0.145	0.157
	FR1 n77_Ant 2	100M	BPSK	1	1	Bottom of Laptop	10mm	Laptop	OFF	656000	3840	SPEED	22.98	24.00	1.265	0.08	0.588	0.744
	FR1 n77_Ant 2	100M	BPSK	135	69	Bottom of Laptop	10mm	Laptop	OFF	656000	3840	SPEED	22.81	24.00	1.315	-0.03	0.560	0.737
	FR1 n77_Ant 2	100M	BPSK	1	1	Bottom Face	35mm	Tablet	OFF	656000	3840	SPEED	22.98	24.00	1.265	-0.11	0.247	0.312
	FR1 n77_Ant 2	100M	BPSK	135	69	Bottom Face	35mm	Tablet	OFF	656000	3840	SPEED	22.81	24.00	1.315	-0.13	0.235	0.309
	FR1 n77_Ant 2	100M	BPSK	1	1	Edge 3	26mm	Tablet	OFF	656000	3840	SPEED	22.98	24.00	1.265	0.18	0.223	0.282
	FR1 n77_Ant 2	100M	BPSK	135	69	Edge 3	26mm	Tablet	OFF	656000	3840	SPEED	22.81	24.00	1.315	-0.09	0.211	0.278
	FR1 n77_Ant 2	100M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	656000	3840	SPEED	16.06	17.00	1.242	0.02	0.722	0.896
	FR1 n77_Ant 2	100M	BPSK	135	69	Bottom of Laptop	0mm	Laptop	ON	656000	3840	SPEED	15.98	17.00	1.265	-0.11	0.705	0.892
	FR1 n77_Ant 2	100M	BPSK	270	0	Bottom of Laptop	0mm	Laptop	ON	656000	3840	SPEED	15.95	17.00	1.274	0.13	0.690	0.879
	FR1 n77_Ant 2	100M	BPSK	1	1	Bottom Face	0mm	Tablet	ON	656000	3840	SPEED	9.38	10.00	1.153	0.05	0.694	0.800
	FR1 n77_Ant 2	100M	BPSK	135	69	Bottom Face	0mm	Tablet	ON	656000	3840	SPEED	9.31	10.00	1.172	0.18	0.623	0.730
	FR1 n77_Ant 2	100M	BPSK	270	0	Bottom Face	0mm	Tablet	ON	656000	3840	SPEED	9.30	10.00	1.175	-0.08	0.617	0.725
	FR1 n77_Ant 2	100M	BPSK	1	1	Edge 3	0mm	Tablet	ON	656000	3840	SPEED	9.38	10.00	1.153	0.11	0.148	0.171
	FR1 n77_Ant 2	100M	BPSK	135	69	Edge 3	0mm	Tablet	ON	656000	3840	SPEED	9.31	10.00	1.172	0.09	0.131	0.154
29	FR1 n77_Ant 2	100M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	656000	3840	WNC	16.06	17.00	1.242	-0.17	0.739	0.918
	FR1 n77_HPUE_Ant 2	100M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	656000	3840	WNC	19.04	20.00	1.247	-0.03	0.711	0.887
	FR1 n77_Ant 3	100M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	650000	3750	SPEED	18.15	18.50	1.084	0.19	0.020	0.022
	FR1 n77_Ant 3	100M	BPSK	135	69	Bottom Face	0mm	Tablet	OFF	650000	3750	SPEED	18.03	18.50	1.114	-0.12	0.018	0.020
	FR1 n77_Ant 3	100M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	650000	3750	SPEED	18.15	18.50	1.084	0.01	0.229	0.248
	FR1 n77_Ant 3	100M	BPSK	135	69	Edge 1	0mm	Tablet	OFF	650000	3750	SPEED	18.03	18.50	1.114	-0.12	0.218	0.243
	FR1 n77_Ant 3	100M	BPSK	1	1	Edge 4	0mm	Tablet	OFF	650000	3750	SPEED	18.15	18.50	1.084	0	0.140	0.152
	FR1 n77_Ant 3	100M	BPSK	135	69	Edge 4	0mm	Tablet	OFF	650000	3750	SPEED	18.03	18.50	1.114	-0.15	0.135	0.150
	FR1 n77_Ant 3	100M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	650000	3750	WNC	18.15	18.50	1.084	-0.04	0.332	0.360
	FR1 n77_HPUE_Ant 3	100M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	650000	3750	WNC	21.21	21.50	1.069	0.12	0.220	0.235



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Configuration	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	FR1 n77_Ant 0	100M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	633332	3499.98	SPEED	23.25	24.00	1.189	0.11	0.001	0.001
	FR1 n77_Ant 0	100M	BPSK	135	69	Bottom Face	0mm	Tablet	OFF	633332	3499.98	SPEED	22.85	24.00	1.303	0.08	0.001	0.001
	FR1 n77_Ant 0	100M	BPSK	1	1	Edge 1	37mm	Tablet	OFF	633332	3499.98	SPEED	23.25	24.00	1.189	-0.03	0.001	0.001
	FR1 n77_Ant 0	100M	BPSK	135	69	Edge 1	37mm	Tablet	OFF	633332	3499.98	SPEED	22.85	24.00	1.303	-0.12	0.001	0.001
	FR1 n77_Ant 0	100M	BPSK	1	1	Edge 2	2mm	Tablet	OFF	633332	3499.98	SPEED	23.25	24.00	1.189	-0.14	0.203	0.241
	FR1 n77_Ant 0	100M	BPSK	135	69	Edge 2	2mm	Tablet	OFF	633332	3499.98	SPEED	22.85	24.00	1.303	0.05	0.173	0.225
	FR1 n77_Ant 0	100M	BPSK	1	1	Edge 1	0mm	Tablet	ON	633332	3499.98	SPEED	17.40	18.50	1.288	0.08	0.212	0.273
	FR1 n77_Ant 0	100M	BPSK	135	69	Edge 1	0mm	Tablet	ON	633332	3499.98	SPEED	17.36	18.50	1.300	0.02	0.202	0.263
	FR1 n77_Ant 0	100M	BPSK	1	1	Edge 2	0mm	Tablet	ON	633332	3499.98	SPEED	17.40	18.50	1.288	-0.04	0.101	0.130
	FR1 n77_Ant 0	100M	BPSK	135	69	Edge 2	0mm	Tablet	ON	633332	3499.98	SPEED	17.36	18.50	1.300	-0.03	0.099	0.129
	FR1 n77_Ant 0	100M	BPSK	1	1	Edge 1	0mm	Tablet	ON	633332	3499.98	WNC	17.40	18.50	1.288	0.11	0.284	0.366
	FR1 n77_HPUE_Ant 0	100M	BPSK	1	1	Edge 1	0mm	Tablet	ON	633332	3499.98	WNC	20.47	21.50	1.268	-0.1	0.261	0.331
	FR1 n77_Ant 1	100M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	OFF	633332	3499.98	SPEED	2.79	3.00	1.050	0.15	0.033	0.035
	FR1 n77_Ant 1	100M	BPSK	135	69	Bottom of Laptop	0mm	Laptop	OFF	633332	3499.98	SPEED	2.62	3.00	1.091	-0.16	0.030	0.033
	FR1 n77_Ant 1	100M	BPSK	1	1	Bottom Face	0mm	Laptop	OFF	633332	3499.98	SPEED	2.79	3.00	1.050	-0.03	0.158	0.166
	FR1 n77_Ant 1	100M	BPSK	135	69	Bottom Face	0mm	Laptop	OFF	633332	3499.98	SPEED	2.62	3.00	1.091	0.04	0.151	0.165
	FR1 n77_Ant 1	100M	BPSK	1	1	Edge 3	0mm	Laptop	OFF	633332	3499.98	SPEED	2.79	3.00	1.050	0.04	0.028	0.029
	FR1 n77_Ant 1	100M	BPSK	135	69	Edge 3	0mm	Laptop	OFF	633332	3499.98	SPEED	2.62	3.00	1.091	-0.06	0.023	0.025
	FR1 n77_Ant 1	100M	BPSK	1	1	Bottom Face	0mm	Laptop	OFF	633332	3499.98	WNC	2.79	3.00	1.050	0.03	0.208	0.218
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Bottom Face	0mm	Laptop	OFF	633332	3499.98	WNC	5.81	6.00	1.045	-0.11	0.189	0.197
	FR1 n77_Ant 2	100M	BPSK	1	1	Bottom of Laptop	10mm	Laptop	OFF	633332	3499.98	SPEED	23.31	24.00	1.172	-0.05	0.508	0.595
	FR1 n77_Ant 2	100M	BPSK	135	69	Bottom of Laptop	10mm	Laptop	OFF	633332	3499.98	SPEED	23.17	24.00	1.211	-0.13	0.485	0.587
	FR1 n77_Ant 2	100M	BPSK	1	1	Bottom Face	35mm	Tablet	OFF	633332	3499.98	SPEED	23.31	24.00	1.172	0.02	0.200	0.234
	FR1 n77_Ant 2	100M	BPSK	135	69	Bottom Face	35mm	Tablet	OFF	633332	3499.98	SPEED	23.17	24.00	1.211	-0.07	0.186	0.225
	FR1 n77_Ant 2	100M	BPSK	1	1	Edge 3	26mm	Tablet	OFF	633332	3499.98	SPEED	23.31	24.00	1.172	-0.04	0.178	0.209
	FR1 n77_Ant 2	100M	BPSK	135	69	Edge 3	26mm	Tablet	OFF	633332	3499.98	SPEED	23.17	24.00	1.211	-0.12	0.156	0.189
	FR1 n77_Ant 2	100M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	633332	3499.98	SPEED	16.25	17.00	1.189	-0.16	0.711	0.845
	FR1 n77_Ant 2	100M	BPSK	135	69	Bottom of Laptop	0mm	Laptop	ON	633332	3499.98	SPEED	16.13	17.00	1.222	-0.05	0.681	0.832
	FR1 n77_Ant 2	100M	BPSK	270	0	Bottom of Laptop	0mm	Laptop	ON	633332	3499.98	SPEED	16.04	17.00	1.247	-0.1	0.675	0.842
	FR1 n77_Ant 2	100M	BPSK	1	1	Bottom Face	0mm	Tablet	ON	633332	3499.98	SPEED	9.46	10.00	1.132	-0.16	0.716	0.811
	FR1 n77_Ant 2	100M	BPSK	135	69	Bottom Face	0mm	Tablet	ON	633332	3499.98	SPEED	9.37	10.00	1.156	0.04	0.684	0.791
	FR1 n77_Ant 2	100M	BPSK	270	0	Bottom Face	0mm	Tablet	ON	633332	3499.98	SPEED	9.35	10.00	1.161	0.14	0.677	0.786
	FR1 n77_Ant 2	100M	BPSK	1	1	Edge 3	0mm	Tablet	ON	633332	3499.98	SPEED	9.46	10.00	1.132	-0.19	0.225	0.255
	FR1 n77_Ant 2	100M	BPSK	135	69	Edge 3	0mm	Tablet	ON	633332	3499.98	SPEED	9.37	10.00	1.156	-0.14	0.210	0.243
	FR1 n77_Ant 2	100M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	633332	3499.98	WNC	16.25	17.00	1.189	0.18	0.693	0.824
	FR1 n77_HPUE_Ant 2	100M	BPSK	1	1	Bottom of Laptop	0mm	Laptop	ON	633332	3499.98	SPEED	19.27	20.00	1.183	-0.14	0.704	0.833
	FR1 n77_Ant 3	100M	BPSK	1	1	Bottom Face	0mm	Tablet	OFF	633332	3499.98	SPEED	18.45	18.50	1.012	0.03	0.054	0.055
	FR1 n77_Ant 3	100M	BPSK	135	69	Bottom Face	0mm	Tablet	OFF	633332	3499.98	SPEED	18.28	18.50	1.052	0.05	0.050	0.053
	FR1 n77_Ant 3	100M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	633332	3499.98	SPEED	18.45	18.50	1.012	-0.06	0.570	0.577
	FR1 n77_Ant 3	100M	BPSK	135	69	Edge 1	0mm	Tablet	OFF	633332	3499.98	SPEED	18.28	18.50	1.052	-0.02	0.536	0.564
	FR1 n77_Ant 3	100M	BPSK	1	1	Edge 4	0mm	Tablet	OFF	633332	3499.98	SPEED	18.45	18.50	1.012	-0.16	0.211	0.213
	FR1 n77_Ant 3	100M	BPSK	135	69	Edge 4	0mm	Tablet	OFF	633332	3499.98	SPEED	18.28	18.50	1.052	-0.11	0.190	0.200
	FR1 n77_Ant 3	100M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	633332	3499.98	WNC	18.45	18.50	1.012	0.12	0.905	0.915
	FR1 n77_HPUE_Ant 3	100M	BPSK	1	1	Edge 1	0mm	Tablet	OFF	633332	3499.98	WNC	21.41	21.50	1.021	0.04	0.810	0.827



15.2 Repeated SAR Measurement

No.	Band	Mode	Test Position	Gap (mm)	Configuration	Power Reduction	Ch.	Freq. (MHz)	Antenna Vendor	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	WCDMA V_Ant 0	RMC 12.2Kbps	Edge 1	0mm	Tablet	ON	4132	826.4	WNC	23.78	24.00	1.052			-0.01	0.806	-	0.848
2nd	WCDMA V_Ant 0	RMC 12.2Kbps	Edge 1	0mm	Tablet	ON	4132	826.4	WNC	23.78	24.00	1.052			0.03	0.789	1.02	0.830
1st	LTE Band 7_Ant 2	20M_QPSK_1_0	Bottom of Laptop	0mm	Laptop	ON	21100	2535	SPEED	19.46	19.50	1.009			0.18	1.090	-	1.100
2nd	LTE Band 7_Ant 2	20M_QPSK_1_0	Bottom of Laptop	0mm	Laptop	ON	21100	2535	SPEED	19.46	19.50	1.009			0.03	0.998	1.09	1.007
1st	LTE Band 66_Ant 2	20M_QPSK_1_0	Bottom of Laptop	0mm	Laptop	ON	132572	1770	WNC	20.89	21.00	1.026			0.08	1.130	-	1.159
2nd	LTE Band 66_Ant 2	20M_QPSK_1_0	Bottom of Laptop	0mm	Laptop	ON	132572	1770	WNC	20.89	21.00	1.026			-0.07	1.060	1.07	1.087
1st	LTE Band 42_Ant 2	20M_QPSK_1_0	Bottom Face	0mm	Tablet	ON	42590	3500	SPEED	12.59	13.00	1.099	62.9	1.006	0.18	1.040	-	1.150
2nd	LTE Band 42_Ant 2	20M_QPSK_1_0	Bottom Face	0mm	Tablet	ON	42590	3500	SPEED	12.59	13.00	1.099	62.9	1.006	0.05	0.957	1.09	1.058
1st	FR1 n14_Ant 0	10M_BPSK_1_1	Edge 1	0mm	Tablet	OFF	158600	793	WNC	23.42	24.00	1.143			-0.1	0.879	-	1.005
2nd	FR1 n14_Ant 0	10M_BPSK_1_1	Edge 1	0mm	Tablet	OFF	158600	793	WNC	23.42	24.00	1.143			0.07	0.852	1.03	0.974
1st	FR1 n25_Ant 2	40M_BPSK_1_1	Bottom of Laptop	0mm	Laptop	ON	376500	1882.5	SPEED	20.68	21.50	1.208			-0.02	0.939	-	1.134
2nd	FR1 n25_Ant 2	40M_BPSK_1_1	Bottom of Laptop	0mm	Laptop	ON	376500	1882.5	SPEED	20.68	21.50	1.208			-0.01	0.897	1.05	1.083
1st	FR1 n30_Ant 2	10M_BPSK_1_1	Bottom Face	0mm	Tablet	ON	462000	2310	WNC	13.85	14.50	1.161			-0.14	1.020	-	1.185
2nd	FR1 n30_Ant 2	10M_BPSK_1_1	Bottom Face	0mm	Tablet	ON	462000	2310	WNC	13.85	14.50	1.161			0.04	0.985	1.04	1.144
1st	FR1 n48_Ant 2	40M_BPSK_1_1	Bottom of Laptop	0mm	Laptop	ON	641666	3624.99	SPEED	17.34	17.50	1.038			-0.16	1.120	-	1.162
2nd	FR1 n48_Ant 2	40M_BPSK_1_1	Bottom of Laptop	0mm	Laptop	ON	641666	3624.99	SPEED	17.34	17.50	1.038			0.06	0.999	1.12	1.036

General Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8W/kg$.
2. Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR $< 1.45W/kg$, only one repeated measurement is required.
3. The ratio is the difference in percentage between original and repeated *measured SAR*.
4. All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.



15.3 LTE Band 41 Power Class 2 and Power Class 3 Linearity

This device support Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg, Separate SAR testing for Power Class 2 is not required

Use PC3 power level and SAR to estimated PC2 SAR linearly, and check if the deviation from the measured PC2 SAR is <10%

Table with 3 columns: Parameters, LTE Band 41_Ant 0 (Power Class 3), and LTE Band 41_Ant 0 (Power Class 2). Rows include Maximum Tune up Power (dBm), Reported 1g SAR (W/kg), Duty Cycle, Frame Averaged (mW), Linearity SAR(W/kg), and % deviation from expected linearity.

Table with 3 columns: Parameters, LTE Band 41_Ant 2 (Power Class 3), and LTE Band 41_Ant 2 (Power Class 2). Rows include Maximum Tune up Power (dBm), Reported 1g SAR (W/kg), Duty Cycle, Frame Averaged (mW), Linearity SAR(W/kg), and % deviation from expected linearity.



15.4 FR1 n41/n77 Power Class 2 and Power Class 3 Linearity

This device support Power Class 2 and Power Class 3 operations for FR1 n41/n77. The highest available duty cycle for Power Class 2 operation is 50%. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each FR1 configuration and exposure condition combination, according to the highest time averaged power for Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg, Separate SAR testing for Power Class 2 is not required. Use PC3 power level and SAR to estimated PC2 SAR linearly, and check if the deviation from the measured PC2 SAR is <10%

	FR1 n41_Ant 0 (Power Class 3)	FR1 n41_Ant 0 (Power Class 2)
Maximum Tune up Power (dBm)	24	27
Reported 1g SAR (W/kg)	0.773	0.702
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59
Linearity SAR(W/kg)	0.77	
% deviation from expected linearity		-8.97%

	FR1 n41_Ant 1 (Power Class 3)	FR1 n41_Ant 1 (Power Class 2)
Maximum Tune up Power (dBm)	5.5	8.5
Reported 1g SAR (W/kg)	0.328	0.31
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	3.55	3.54
Linearity SAR(W/kg)	0.33	
% deviation from expected linearity		-5.26%

	FR1 n41_Ant 2 (Power Class 3)	FR1 n41_Ant 2 (Power Class 2)
Maximum Tune up Power (dBm)	19	22
Reported 1g SAR (W/kg)	1.1	1.093
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	79.43	79.24
Linearity SAR(W/kg)	1.10	
% deviation from expected linearity		-0.40%

	FR1 n41_Ant 3 (Power Class 3)	FR1 n41_Ant 3 (Power Class 2)
Maximum Tune up Power (dBm)	22	25
Reported 1g SAR (W/kg)	0.852	0.81
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	158.49	158.11
Linearity SAR(W/kg)	0.85	
% deviation from expected linearity		-4.70%



	FR1 n77_Ant 0	FR1 n77_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	18.5	21.5
Reported 1g SAR (W/kg)	0.851	0.77
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	70.79	70.63
Linearity SAR(W/kg)	0.85	
% deviation from expected linearity		-9.30%

	FR1 n77_Ant 1	FR1 n77_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	3	6
Reported 1g SAR (W/kg)	0.218	0.197
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	2.00	1.99
Linearity SAR(W/kg)	0.22	
% deviation from expected linearity		-9.42%

	FR1 n41_Ant 2	FR1 n41_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	17	20
Reported 1g SAR (W/kg)	0.918	0.887
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	50.12	50.00
Linearity SAR(W/kg)	0.92	
% deviation from expected linearity		-3.15%

	FR1 n77_Ant 3	FR1 n77_Ant 3
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	18.5	21.5
Reported 1g SAR (W/kg)	0.915	0.827
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	70.79	70.63
Linearity SAR(W/kg)	0.91	
% deviation from expected linearity		-9.40%

16. Simultaneous Transmission Analysis

NO.	Simultaneous Transmission Configurations	Body
1.	WWAN Ant 0 + WWAN Ant 2 + WLAN Ant 1 + WLAN/BT Ant 2	Yes
2.	WWAN Ant 0 + WWAN Ant 1 + WLAN Ant 1 + WLAN/BT Ant 2	Yes
3.	WWAN Ant 0 + WWAN Ant 3 + WLAN Ant 1 + WLAN/BT Ant 2	Yes
4.	WWAN Ant 2 + WWAN Ant 1 + WLAN Ant 1 + WLAN/BT Ant 2	Yes
5.	WWAN Ant 2 + WWAN Ant 3 + WLAN Ant 1 + WLAN/BT Ant 2	Yes
6.	WWAN Ant 1 + WWAN Ant 3 + WLAN Ant 1 + WLAN/BT Ant 2	Yes

General Note:

- The FCC ID: PD9BE200D2, Intel BE200D2W WLAN/BT module is integrated into this host, and the WLAN/Bluetooth SAR of 1.59 W/kg was used conservatively for the purpose of simultaneous transmission analysis.
- The worst case WLAN reported SAR for each configuration was used for SAR summation. Therefore, the following summations represent the absolute worst cases for simultaneous transmission with WLAN.
- The Scaled SAR summation is calculated based on the same configuration and test position.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - Scalar SAR summation < 1.6W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.
 - The SPLSR calculated results please refer to section 16.2.

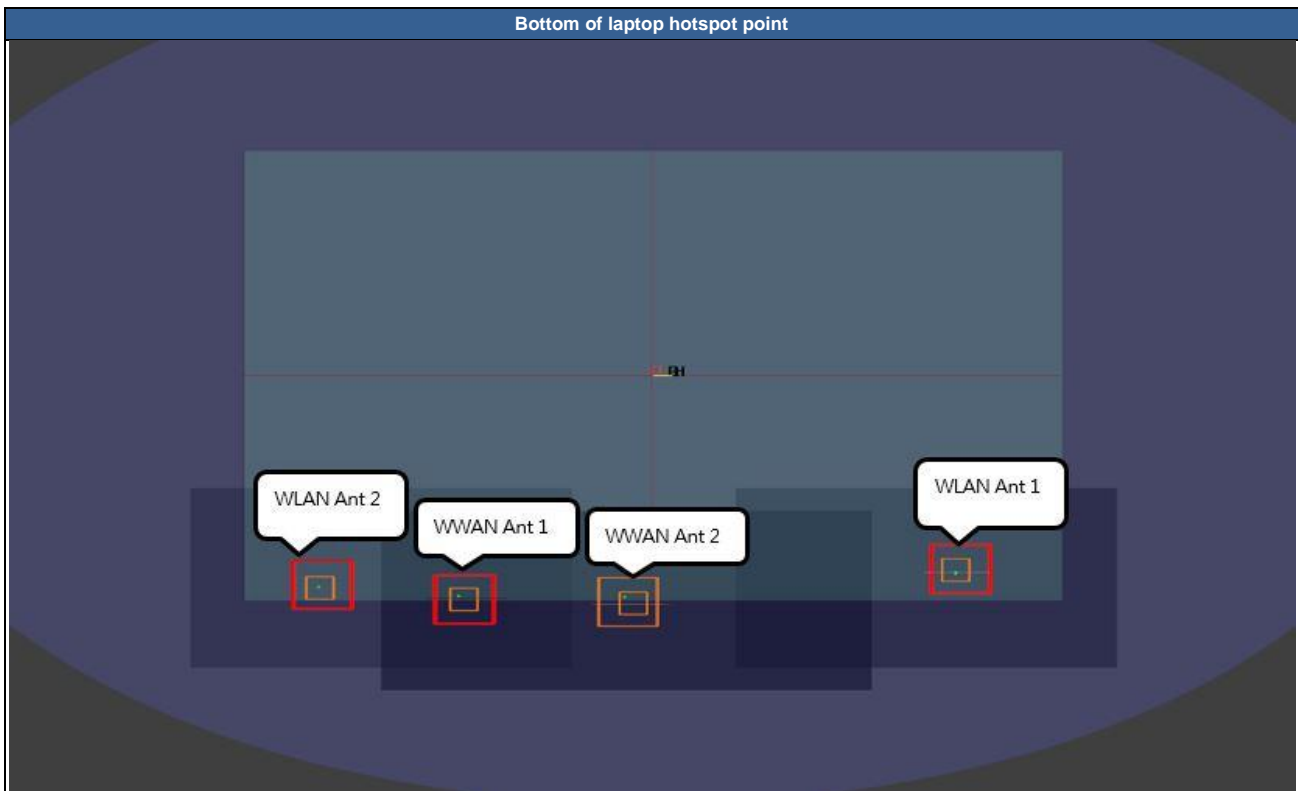
16.1 Body Exposure Conditions

Exposure Position	1	2	3	4	8	7	1+2+7+8	1+3+7+8	1+4+7+8	2+3+7+8	2+4+7+8	3+4+7+8	Case No	SPLSR
	Maximum WWAN Ant 0 1g SAR (W/kg)	Maximum WWAN Ant 2 1g SAR (W/kg)	Maximum WWAN Ant 1 1g SAR (W/kg)	Maximum WWAN Ant 3 1g SAR (W/kg)	Maximum WLAN/BT Ant 2 1g SAR (W/kg)	Maximum WLAN Ant 1 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)		
Bottom of Laptop at 0mm		1.164	0.035		1.590	1.590	4.344	3.215	3.180	4.379	4.344	3.215	Case 1	0.040
Bottom Face at 0mm	0.093	1.198	0.328	0.059	1.590	1.590	4.471	3.601	3.332	4.706	4.437	3.567	Case 2	0.040
Edge 1 at 0mm	1.197			0.915			1.197	1.197	2.112	0.000	0.915	0.915	Case 3	0.020
Edge 2 at 0mm	0.566					1.590	2.156	2.156	2.156	1.590	1.590	1.590	Case 4	0.040
Edge 3 at 0mm		0.314	0.040		1.590	1.590	3.494	3.220	3.180	3.534	3.494	3.220	Case 5	0.030
Edge 4 at 0mm		0.001		0.253	1.590		1.591	1.590	1.843	1.591	1.844	1.843	Case 6	0.020

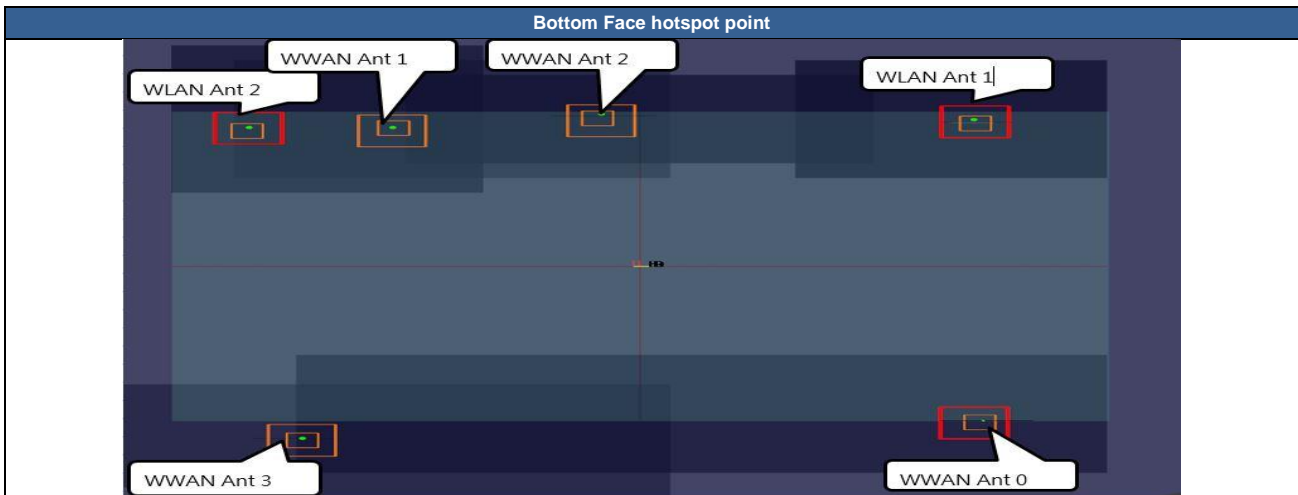
16.2 SPLSR Evaluation and Analysis

General Note:

1. Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneously transmitting antenna. When the sum of 1-g or 10-g SAR of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit, SAR test exclusion applies to that simultaneous transmission configuration. Therefore, the adjacent transmit antennas will be summed first, and then the SPLSR calculation will be evaluated with the farther transmitted antennas.
2. $SPLSR = (SAR_1 + SAR_2)^{1.5} / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary
3. The detail hotspot point for each transmitter in each exposure condition are showing as below figure and the minimum 3D distance for each sum combination is used for SPLSR analysis.



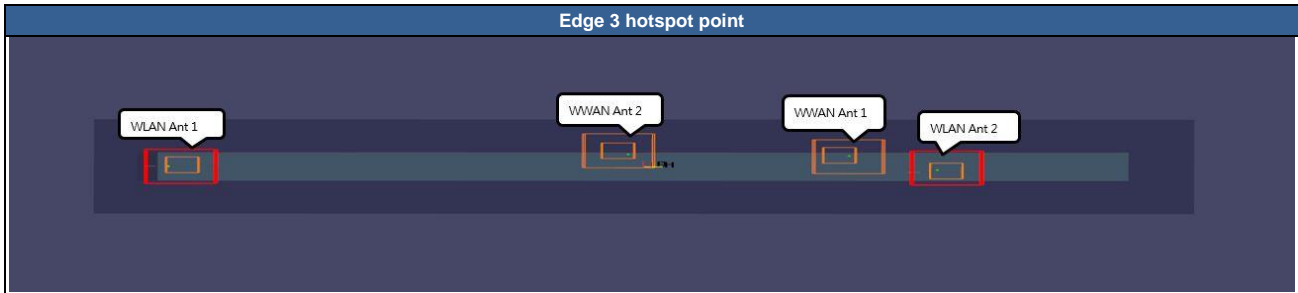
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 1	Maximum WWAN Ant 2	Bottom of Laptop	1.164	0	101.5	-7.5	-177	64.5	1.20	0.02	Not required
	Maximum WWAN Ant 1		0.035	0	99	-72	-177				
	Maximum WWAN Ant 2	Bottom of Laptop	1.164	0	101.5	-7.5	-177	117.1	2.75	0.04	Not required
	WLAN2.4GHz Ant 1		1.590	0	89.5	109	-177				
	Maximum WWAN Ant 2	Bottom of Laptop	1.164	0	101.5	-7.5	-177	114.9	2.75	0.04	Not required
	WLAN2.4GHz/BT Ant 2		1.590	0	92	-122	-177				
	Maximum WWAN Ant 1	Bottom of Laptop	0.035	0	99	-72	-177	181.2	1.63	0.01	Not required
	WLAN2.4GHz Ant 1		1.590	0	89.5	109	-177				
	Maximum WWAN Ant 1	Bottom of Laptop	0.035	0	99	-72	-177	50.5	1.63	0.04	Not required
	WLAN2.4GHz/BT Ant 2		1.590	0	92	-122	-177				
	WLAN2.4GHz Ant 1	Bottom of Laptop	1.590	0	89.5	109	-177	231.0	3.18	0.02	Not required
	WLAN2.4GHz/BT Ant 2		1.590	0	92	-122	-177				



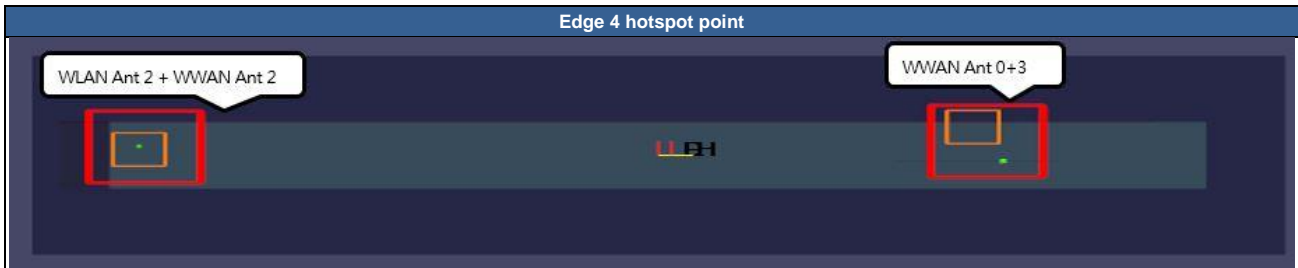
Case 2	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Ant 2	Bottom Face	1.198	0	102.2	-11.2	-177	225.8	2.79	0.02	Not required
	WLAN Ant 1		1.590	0	-94	100.5	-176.3				
	WLAN Ant 1	Bottom Face	1.590	0	-94	100.5	-176.3	228.0	3.18	0.02	Not required
	WLAN/BT Ant 2		1.590	0	-90.5	-127.5	-177				
	Maximum WWAN Ant 0	Bottom Face	0.093	0	104.5	110.5	-177	121.7	1.29	0.01	Not required
	Maximum WWAN Ant 2		1.198	0	102.2	-11.2	-177				
	Maximum WWAN Ant 0	Bottom Face	0.093	0	104.5	110.5	-177	197.9	1.68	0.01	Not required
	WLAN Ant 1		1.590	0	-93.4	111.1	-176.1				
	Maximum WWAN Ant 0	Bottom Face	0.093	0	104.5	110.5	-177	306.7	1.68	0.01	Not required
	WLAN/BT Ant 2		1.590	0	-90.4	-126.3	-177				
	Maximum WWAN Ant 2	Bottom Face	1.198	0	102.2	-11.2	-177	224.4	2.79	0.02	Not required
	WLAN/BT Ant 2		1.590	0	-90.4	-126.3	-177				
	Maximum WWAN Ant 1	Bottom Face	0.328	0	-95.1	-66.7	-177	167.2	1.92	0.02	Not required
	WLAN Ant 1		1.590	0	-94	100.5	-176.3				
	Maximum WWAN Ant 0	Bottom Face	0.093	0	104.5	110.5	-177	266.9	0.42	0.00	Not required
	Maximum WWAN Ant 1		0.328	0	-95.1	-66.7	-177				
	Maximum WWAN Ant 1	Bottom Face	0.328	0	-95.1	-66.7	-177	59.8	1.92	0.04	Not required
	WLAN/BT Ant 2		1.590	0	-90.4	-126.3	-177				
	Maximum WWAN Ant 3	Bottom Face	0.059	0	116.5	-108.5	-177	296.6	1.65	0.01	Not required
	WLAN Ant 1		1.590	0	-94	100.5	-176.3				
	Maximum WWAN Ant 0	Bottom Face	0.093	0	104.5	110.5	-177	219.3	0.15	0.00	Not required
	Maximum WWAN Ant 3		0.059	0	116.5	-108.5	-177				
	Maximum WWAN Ant 3	Bottom Face	0.059	0	116.5	-108.5	-177	207.7	1.65	0.01	Not required
	WLAN/BT Ant 2		1.590	0	-90.4	-126.3	-177				
	Maximum WWAN Ant 2	Bottom Face	1.198	0	102.2	-11.2	-177	224.4	2.79	0.02	Not required
	WLAN/BT Ant 2		1.590	0	-90.4	-126.3	-177				
	Maximum WWAN Ant 2	Bottom Face	1.198	0	102.2	-11.2	-177	98.3	1.26	0.01	Not required
	Maximum WWAN Ant 3		0.059	0	116.5	-108.5	-177				
	Maximum WWAN Ant 1	Bottom Face	0.328	0	-95.1	-66.7	-177	215.7	0.39	0.00	Not required
	Maximum WWAN Ant 3		0.059	0	116.5	-108.5	-177				

Edge 1 hotspot point												
Case 3	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	
					X	Y	Z					
	Maximum WWAN Ant 0	Edge 1	1.197	0	1	101.5	-177	185.7	2.11	0.02	Not required	
Maximum WWAN Ant 3	0.915		0	9	-84	-177						

Edge 2 hotspot point												
Case 4	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	
					X	Y	Z					
	Maximum WWAN Ant 0	Edge 2	0.566	0	0.5	-91	-177	118.3	2.16	0.03	Not required	
WLAN Ant 1	1.590		0	-1.6	27.3	-177						



Case 5	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Ant 2	Edge 3	0.314	0	-9.5	-7.5	-177	98.2	1.90	0.03	Not required
	WLAN Ant 1		1.590	0	7.3	-104.3	-177				
	Maximum WWAN Ant 2	Edge 3	0.314	0	-9.5	-7.5	-177	103.1	1.90	0.03	Not required
	WLAN/BT Ant 2		1.590	0	8.8	94	-177				
	WLAN Ant 1	Edge 3	1.590	0	7.3	-104.3	-177	198.3	3.18	0.03	Not required
	WLAN/BT Ant 2		1.590	0	8.8	94	-177				
	Maximum WWAN Ant 1	Edge 3	0.040	0	-12	52	-177	157.5	1.63	0.01	Not required
	WLAN Ant 1		1.590	0	7.3	-104.3	-177				
	Maximum WWAN Ant 1	Edge 3	0.040	0	-12	52	-177	46.9	1.63	0.04	Not required
	WLAN/BT Ant 2		1.590	0	8.8	94	-177				
	Maximum WWAN Ant 2	Edge 3	0.314	0	-9.5	-7.5	-177	59.6	0.35	0.00	Not required
	Maximum WWAN Ant 1		0.040	0	-12	52	-177				



Case 6	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	Maximum WWAN Ant 0+3	Edge 4	0.351	0	2.9	72.6	-177	169.9	1.94	0.02	Not required
	Maximum WWAN Ant 2+WLAN/BT Ant 2		1.591	0	3.8	-97.3	-175.9				

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17. Uncertainty Assessment

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be ≤ 30%, for a confidence interval of $k = 2$. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg. Therefore, the measurement uncertainty table is not required in this report.

Declaration of Conformity:

The test results with all measurement uncertainty excluded is presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

18. References

- [1] FCC 47 CFR Part 2 “Frequency Allocations and Radio Treaty Matters; General Rules and Regulations”
- [2] ANSI/IEEE Std. C95.1-1992, “IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz”, September 1992
- [3] IEEE Std. 1528-2013, “IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques”, Sep 2013
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- [5] FCC KDB 447498 D01 v06, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, Oct 2015
- [6] FCC KDB 941225 D01 v03r01, “3G SAR MEAUREMENT PROCEDURES”, Oct 2015
- [7] FCC KDB 941225 D05 v02r05, “SAR Evaluation Considerations for LTE Devices”, Dec 2015
- [8] FCC KDB 941225 D05A v01r02, “Rel. 10 LTE SAR Test Guidance and KDB Inquiries”, Oct 2015
- [9] FCC KDB 616217 D04 v01r02, “SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers”, Oct 2015
- [10] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [11] FCC KDB 865664 D02 v01r02, “RF Exposure Compliance Reporting and Documentation Considerations” Oct 2015.