



<FR1 n41_Ant 2_Default Power>

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	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.09	23.42	23.11	24.0
100	PI/2 BPSK	1	137	23.02	23.11	22.84	
100	PI/2 BPSK	1	271	22.58	22.80	22.56	
100	PI/2 BPSK	135	0	23.19	23.24	23.13	24.0
100	PI/2 BPSK	135	69	23.27	23.38	23.21	24.0
100	PI/2 BPSK	135	138	22.63	22.91	22.82	24.0
100	PI/2 BPSK	270	0	23.07	23.11	22.92	
100	QPSK	1	1	23.15	23.35	23.28	24.0
100	QPSK	1	137	23.25	23.32	23.03	
100	QPSK	1	271	22.97	23.26	23.26	
100	QPSK	135	0	22.92	23.17	23.04	24.0
100	QPSK	135	69	23.12	23.33	23.26	
100	QPSK	135	138	23.08	23.27	23.08	
100	QPSK	270	0	22.65	22.94	22.74	23.5
100	16QAM	1	1	22.76	23.02	22.73	23.5
100	64QAM	1	1	23.03	23.33	23.22	23.5
100	256QAM	1	1	21.71	21.82	21.61	22.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.91	23.18	23.01	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	23.18	23.05	24.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	23.05	23.21	22.83	24.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.82	23.37	22.81	24.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.07	23.20	22.84	24.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.03	23.25	22.97	24.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.91	23.14	23.05	24.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.97	23.29	22.88	24.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	23.00	23.25	22.88	24.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	23.09	23.33	23.05	24.0



<FR1 n41_Ant 2_Reduced Power>

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	17.53	17.75	17.53	19.5
100	PI/2 BPSK	1	137	17.51	17.70	17.52	
100	PI/2 BPSK	1	271	17.51	17.67	17.51	
100	PI/2 BPSK	135	0	17.50	17.68	17.53	19.5
100	PI/2 BPSK	135	69	17.50	17.71	17.55	19.5
100	PI/2 BPSK	135	138	17.53	17.67	17.50	19.5
100	PI/2 BPSK	270	0	17.53	17.68	17.51	
100	QPSK	1	1	17.55	17.65	17.53	19.5
100	QPSK	1	137	17.52	17.69	17.53	
100	QPSK	1	271	17.52	17.71	17.52	
100	QPSK	135	0	17.50	17.71	17.51	19.5
100	QPSK	135	69	17.52	17.71	17.50	
100	QPSK	135	138	17.52	17.71	17.53	
100	QPSK	270	0	17.53	17.66	17.54	19.5
100	16QAM	1	1	17.51	17.68	17.53	19.5
100	64QAM	1	1	17.52	17.67	17.53	19.5
100	256QAM	1	1	17.52	17.68	17.55	19.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	17.51	17.73	17.51	19.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	17.52	17.74	17.51	19.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	17.51	17.74	17.50	19.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	17.52	17.70	17.51	19.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	17.52	17.71	17.50	19.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	17.52	17.74	17.52	19.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	17.52	17.73	17.50	19.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	17.52	17.72	17.51	19.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	17.50	17.72	17.52	19.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	17.50	17.73	17.51	19.5



<FR1 n41_Ant 1_Default Power>

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	14.75	14.86	14.60	15.0
100	PI/2 BPSK	1	137	14.36	14.56	14.37	
100	PI/2 BPSK	1	271	14.12	14.24	14.11	
100	PI/2 BPSK	135	0	14.64	14.54	14.62	15.0
100	PI/2 BPSK	135	69	14.49	14.70	14.48	15.0
100	PI/2 BPSK	135	138	14.27	14.34	14.19	15.0
100	PI/2 BPSK	270	0	14.46	14.57	14.39	
100	QPSK	1	1	14.61	14.83	14.71	15.0
100	QPSK	1	137	14.46	14.60	14.48	
100	QPSK	1	271	14.07	14.25	14.09	
100	QPSK	135	0	14.63	14.72	14.57	15.0
100	QPSK	135	69	14.41	14.55	14.36	
100	QPSK	135	138	14.25	14.40	14.17	
100	QPSK	270	0	14.38	14.51	14.33	15.0
100	16QAM	1	1	14.60	14.82	14.53	15.0
100	64QAM	1	1	14.69	14.82	14.67	15.0
100	256QAM	1	1	14.61	14.78	14.54	15.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	14.60	14.52	14.43	15.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	14.57	14.53	14.45	15.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	14.53	14.51	14.41	15.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	14.51	14.50	14.39	15.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	14.48	14.45	14.39	15.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	14.42	14.42	14.38	15.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	14.50	14.51	14.35	15.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	14.48	14.42	14.41	15.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	14.42	14.40	14.40	15.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	14.40	14.38	14.35	15.0



<FR1 n41_Ant 3_Default Power>

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	14.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	13.22	13.35	13.26	14.0
100	PI/2 BPSK	1	137	13.14	13.21	13.08	
100	PI/2 BPSK	1	271	13.09	13.08	13.13	
100	PI/2 BPSK	135	0	13.08	13.14	13.16	14.0
100	PI/2 BPSK	135	69	13.09	13.15	13.14	14.0
100	PI/2 BPSK	135	138	13.13	13.15	13.18	14.0
100	PI/2 BPSK	270	0	13.06	13.17	13.11	
100	QPSK	1	1	13.01	13.16	13.16	14.0
100	QPSK	1	137	13.01	13.15	13.16	
100	QPSK	1	271	13.15	13.15	13.12	
100	QPSK	135	0	13.05	13.15	13.16	14.0
100	QPSK	135	69	13.05	13.14	13.10	
100	QPSK	135	138	13.10	13.17	13.15	
100	QPSK	270	0	13.09	13.16	13.13	14.0
100	16QAM	1	1	13.05	13.21	13.04	14.0
100	64QAM	1	1	13.08	13.13	13.11	14.0
100	256QAM	1	1	13.07	13.23	13.19	14.0
Channel				508200	518598	528996	14.0
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	13.06	13.14	13.10	14.0
Channel				507204	518598	529998	14.0
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	13.17	13.10	13.14	14.0
Channel				506202	518598	531000	14.0
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	13.08	13.10	13.15	14.0
Channel				505200	518598	531996	14.0
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	13.09	13.21	13.16	14.0
Channel				504204	518598	532998	14.0
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	13.03	13.15	13.09	14.0
Channel				503202	518598	534000	14.0
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	13.13	13.21	13.19	14.0
Channel				502200	518598	534996	14.0
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	13.11	13.18	13.23	14.0
Channel				501204	518598	535998	14.0
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	13.09	13.20	13.11	14.0
Channel				500700	518598	536496	14.0
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	13.09	13.25	13.08	14.0
Channel				500202	518598	537000	14.0
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	13.08	13.18	13.06	14.0



<FR1 n41_HPUE_Ant 0_Default Power>

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	25.73	26.09	25.75	27.0
100	PI/2 BPSK	1	137	25.77	25.86	25.75	
100	PI/2 BPSK	1	271	25.69	25.71	25.51	
100	PI/2 BPSK	135	0	25.26	25.45	25.27	26.5
100	PI/2 BPSK	135	69	25.84	25.88	25.75	27.0
100	PI/2 BPSK	135	138	25.04	25.17	25.10	26.5
100	PI/2 BPSK	270	0	25.20	25.30	25.27	
100	QPSK	1	1	25.97	26.08	25.99	27.0
100	QPSK	1	137	25.90	25.94	25.92	
100	QPSK	1	271	25.60	25.72	25.54	
100	QPSK	135	0	25.03	25.00	25.01	27.0
100	QPSK	135	69	25.70	25.83	25.73	
100	QPSK	135	138	25.01	25.03	25.11	
100	QPSK	270	0	24.87	24.93	24.73	26.0
100	16QAM	1	1	25.03	25.08	25.00	26.0
100	64QAM	1	1	23.70	23.76	23.74	24.5
100	256QAM	1	1	21.45	21.52	21.35	22.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.67	25.89	25.61	27.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.67	25.94	25.66	27.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.71	25.92	25.60	27.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.61	26.05	25.57	27.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.61	26.08	25.71	27.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.60	26.05	25.68	27.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.57	26.06	25.66	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	26.03	25.67	27.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.67	25.89	25.62	27.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.64	26.03	25.74	27.0



<FR1 n41_PC1.5_Ant 0_Default Power>

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	26.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.45	25.58	25.44	26.0
100	PI/2 BPSK	1	137	25.13	25.25	25.11	
100	PI/2 BPSK	1	271	24.74	24.93	24.91	
100	PI/2 BPSK	135	0	25.19	25.28	25.09	26.0
100	PI/2 BPSK	135	69	25.16	25.30	25.28	26.0
100	PI/2 BPSK	135	138	24.84	25.01	24.87	26.0
100	PI/2 BPSK	270	0	25.10	25.15	24.97	
100	QPSK	1	1	25.33	25.48	25.28	26.0
100	QPSK	1	137	25.34	25.42	25.25	
100	QPSK	1	271	25.19	25.32	25.16	
100	QPSK	135	0	25.23	25.30	25.13	26.0
100	QPSK	135	69	24.93	25.12	25.08	
100	QPSK	135	138	24.93	25.10	24.97	
100	QPSK	270	0	24.99	25.06	24.91	26.0
100	16QAM	1	1	25.38	25.43	25.41	26.0
100	64QAM	1	1	25.23	25.40	25.29	26.0
100	256QAM	1	1	24.91	25.06	24.91	25.5
Channel				508200	518598	528996	26.0
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.40	25.38	25.20	26.0
Channel				507204	518598	529998	26.0
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.22	25.23	25.18	26.0
Channel				506202	518598	531000	26.0
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.21	25.20	25.10	26.0
Channel				505200	518598	531996	26.0
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.20	25.18	25.12	26.0
Channel				504204	518598	532998	26.0
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.12	25.22	25.10	26.0
Channel				503202	518598	534000	26.0
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.22	25.08	25.10	26.0
Channel				502200	518598	534996	26.0
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.18	25.20	25.10	26.0
Channel				501204	518598	535998	26.0
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.10	25.18	25.14	26.0
Channel				500700	518598	536496	26.0
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.02	25.13	25.13	26.0
Channel				500202	518598	537000	26.0
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.01	25.03	25.10	26.0



<FR1 n41_HPUE_Ant 0_Reduced Power>

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	16.57	17.07	16.76	18.5
100	PI/2 BPSK	1	137	16.52	16.78	16.54	
100	PI/2 BPSK	1	271	16.67	16.55	16.59	
100	PI/2 BPSK	135	0	16.59	16.50	16.63	18.5
100	PI/2 BPSK	135	69	16.58	16.81	16.65	18.5
100	PI/2 BPSK	135	138	16.55	16.65	16.62	18.5
100	PI/2 BPSK	270	0	16.55	16.64	16.55	
100	QPSK	1	1	16.67	16.77	16.60	18.5
100	QPSK	1	137	16.60	16.63	16.52	
100	QPSK	1	271	16.57	16.50	16.54	
100	QPSK	135	0	16.54	16.53	16.52	18.5
100	QPSK	135	69	16.53	16.78	16.52	
100	QPSK	135	138	16.54	16.71	16.50	
100	QPSK	270	0	16.65	16.58	16.64	18.5
100	16QAM	1	1	16.55	16.58	16.63	18.5
100	64QAM	1	1	16.53	16.59	16.63	18.5
100	256QAM	1	1	16.53	16.64	16.53	18.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	16.58	16.97	16.72	18.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	16.51	16.99	16.71	18.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	16.50	16.94	16.73	18.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	16.51	17.03	16.75	18.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	16.56	16.85	16.77	18.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	16.57	17.02	16.61	18.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	16.55	16.85	16.78	18.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	16.53	16.91	16.64	18.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	16.54	16.84	16.64	18.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	16.52	16.97	16.65	18.5



<FR1 n41_PC1.5_Ant 0_Reduced Power>

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	17.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.59	16.74	16.63	
100	PI/2 BPSK	1	137	16.41	16.57	16.49	17.5
100	PI/2 BPSK	1	271	16.48	16.62	16.46	
100	PI/2 BPSK	135	0	16.45	16.59	16.47	17.5
100	PI/2 BPSK	135	69	16.40	16.60	16.47	17.5
100	PI/2 BPSK	135	138	16.47	16.54	16.53	17.5
100	PI/2 BPSK	270	0	16.42	16.55	16.47	
100	QPSK	1	1	16.49	16.55	16.49	17.5
100	QPSK	1	137	16.40	16.63	16.43	
100	QPSK	1	271	16.44	16.55	16.48	
100	QPSK	135	0	16.44	16.58	16.44	17.5
100	QPSK	135	69	16.40	16.59	16.44	
100	QPSK	135	138	16.44	16.64	16.43	17.5
100	QPSK	270	0	16.42	16.58	16.48	
100	16QAM	1	1	16.48	16.60	16.46	17.5
100	64QAM	1	1	16.49	16.62	16.49	17.5
100	256QAM	1	1	16.46	16.62	16.46	17.5
Channel				508200	518598	528996	17.5
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	16.41	16.58	16.47	17.5
Channel				507204	518598	529998	17.5
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	16.42	16.58	16.48	17.5
Channel				506202	518598	531000	17.5
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	16.44	16.56	16.44	17.5
Channel				505200	518598	531996	17.5
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	16.47	16.61	16.48	17.5
Channel				504204	518598	532998	17.5
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	16.40	16.64	16.51	17.5
Channel				503202	518598	534000	17.5
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	16.43	16.55	16.46	17.5
Channel				502200	518598	534996	17.5
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	16.47	16.64	16.50	17.5
Channel				501204	518598	535998	17.5
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	16.40	16.64	16.48	17.5
Channel				500700	518598	536496	17.5
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	16.49	16.62	16.53	17.5
Channel				500202	518598	537000	17.5
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	16.48	16.63	16.52	17.5



<FR1 n41_HPUE_Ant 2_Default Power>

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	27.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.87	26.45	26.14	27.0
100	PI/2 BPSK	1	137	26.02	26.12	26.03	
100	PI/2 BPSK	1	271	25.78	25.78	25.68	
100	PI/2 BPSK	135	0	25.59	25.78	25.49	26.5
100	PI/2 BPSK	135	69	26.11	26.12	25.92	27.0
100	PI/2 BPSK	135	138	25.37	25.39	25.18	26.5
100	PI/2 BPSK	270	0	25.34	25.53	25.31	
100	QPSK	1	1	26.22	26.44	26.26	
100	QPSK	1	137	26.05	26.15	25.92	27.0
100	QPSK	1	271	25.62	25.79	25.68	
100	QPSK	135	0	25.04	25.28	25.22	
100	QPSK	135	69	25.81	26.09	25.87	27.0
100	QPSK	135	138	24.83	24.89	24.76	26.5
100	QPSK	270	0	24.85	25.02	24.72	26.0
100	16QAM	1	1	25.25	25.45	25.20	26.0
100	64QAM	1	1	23.79	24.08	23.99	24.5
100	256QAM	1	1	21.62	21.78	21.61	22.5
Channel				508200	518598	528996	27.0
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.73	26.43	25.88	27.0
Channel				507204	518598	529998	27.0
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.87	26.17	26.05	27.0
Channel				506202	518598	531000	27.0
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.75	26.35	25.95	27.0
Channel				505200	518598	531996	27.0
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.87	26.31	25.95	27.0
Channel				504204	518598	532998	27.0
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.74	26.18	26.01	27.0
Channel				503202	518598	534000	27.0
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.72	26.41	25.92	27.0
Channel				502200	518598	534996	27.0
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.68	26.15	26.05	27.0
Channel				501204	518598	535998	27.0
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.84	26.32	26.02	27.0
Channel				500700	518598	536496	27.0
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.87	26.39	25.88	27.0
Channel				500202	518598	537000	27.0
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.60	26.35	26.13	27.0



<FR1 n41_PC1.5_Ant 2_Default Power>

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	26.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.54	25.66	25.47	26.0
100	PI/2 BPSK	1	137	25.15	25.32	25.14	
100	PI/2 BPSK	1	271	24.82	24.97	24.82	
100	PI/2 BPSK	135	0	25.19	25.34	25.21	26.0
100	PI/2 BPSK	135	69	25.22	25.41	25.21	26.0
100	PI/2 BPSK	135	138	24.96	25.11	25.00	26.0
100	PI/2 BPSK	270	0	25.08	25.24	25.11	
100	QPSK	1	1	25.41	25.54	25.41	26.0
100	QPSK	1	137	25.16	25.27	25.15	
100	QPSK	1	271	24.73	24.87	24.70	
100	QPSK	135	0	25.32	25.44	25.26	26.0
100	QPSK	135	69	25.13	25.29	25.18	
100	QPSK	135	138	24.97	25.08	24.88	
100	QPSK	270	0	25.03	25.19	25.02	26.0
100	16QAM	1	1	25.42	25.58	25.38	26.0
100	64QAM	1	1	24.12	24.26	24.16	25.0
100	256QAM	1	1	21.89	22.04	21.93	23.0
Channel				508200	518598	528996	26.0
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.35	25.49	25.30	26.0
Channel				507204	518598	529998	26.0
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.36	25.50	25.37	26.0
Channel				506202	518598	531000	26.0
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.40	25.47	25.29	26.0
Channel				505200	518598	531996	26.0
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.44	25.55	25.27	26.0
Channel				504204	518598	532998	26.0
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.43	25.47	25.30	26.0
Channel				503202	518598	534000	26.0
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.41	25.50	25.32	26.0
Channel				502200	518598	534996	26.0
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.44	25.52	25.34	26.0
Channel				501204	518598	535998	26.0
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.43	25.52	25.35	26.0
Channel				500700	518598	536496	26.0
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.44	25.48	25.34	26.0
Channel				500202	518598	537000	26.0
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.42	25.56	25.27	26.0



<FR1 n41_HPUE_Ant 2_Reduced Power>

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	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.64	20.81	20.65	22.5
100	PI/2 BPSK	1	137	20.51	20.63	20.55	
100	PI/2 BPSK	1	271	20.51	20.66	20.50	
100	PI/2 BPSK	135	0	20.54	20.67	20.52	22.5
100	PI/2 BPSK	135	69	20.53	20.70	20.51	22.5
100	PI/2 BPSK	135	138	20.53	20.63	20.55	22.5
100	PI/2 BPSK	270	0	20.54	20.66	20.55	
100	QPSK	1	1	20.52	20.67	20.53	22.5
100	QPSK	1	137	20.53	20.62	20.51	
100	QPSK	1	271	20.51	20.63	20.54	
100	QPSK	135	0	20.52	20.67	20.60	22.5
100	QPSK	135	69	20.54	20.62	20.54	22.5
100	QPSK	135	138	20.53	20.65	20.51	22.5
100	QPSK	270	0	20.50	20.69	20.56	22.5
100	16QAM	1	1	20.53	20.64	20.53	22.5
100	64QAM	1	1	20.52	20.62	20.53	22.5
100	256QAM	1	1	20.51	20.61	20.53	22.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.51	20.63	20.50	22.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.53	20.70	20.51	22.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	20.54	20.62	20.51	22.5
Channel				505200	518598	531996	17.43
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.54	20.64	20.55	22.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.54	20.68	20.52	22.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.51	20.70	20.53	22.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.53	20.69	20.51	22.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.50	20.63	20.53	22.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.56	20.66	20.50	22.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.54	20.70	20.55	22.5



<FR1 n41_PC1.5_Ant 2_Reduced Power>

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	21.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.91	20.97	20.86	21.5
100	PI/2 BPSK	1	137	20.81	20.84	20.76	
100	PI/2 BPSK	1	271	20.81	20.87	20.75	
100	PI/2 BPSK	135	0	20.71	20.79	20.70	21.5
100	PI/2 BPSK	135	69	20.81	20.81	20.67	21.5
100	PI/2 BPSK	135	138	20.72	20.78	20.70	21.5
100	PI/2 BPSK	270	0	20.76	20.84	20.71	
100	QPSK	1	1	20.71	20.82	20.74	21.5
100	QPSK	1	137	20.76	20.81	20.70	
100	QPSK	1	271	20.76	20.77	20.71	
100	QPSK	135	0	20.81	20.82	20.69	21.5
100	QPSK	135	69	20.80	20.77	20.67	
100	QPSK	135	138	20.72	20.81	20.73	
100	QPSK	270	0	20.79	20.79	20.69	21.5
100	16QAM	1	1	20.71	20.82	20.66	21.5
100	64QAM	1	1	20.79	20.79	20.73	21.5
100	256QAM	1	1	20.76	20.80	20.72	21.5
Channel				508200	518598	528996	21.5
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.72	20.78	20.68	21.5
Channel				507204	518598	529998	21.5
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.79	20.77	20.74	21.5
Channel				506202	518598	531000	21.5
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	20.79	20.83	20.73	21.5
Channel				505200	518598	531996	21.5
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.81	20.80	20.69	21.5
Channel				504204	518598	532998	21.5
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.74	20.84	20.71	21.5
Channel				503202	518598	534000	21.5
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.80	20.77	20.70	21.5
Channel				502200	518598	534996	21.5
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.72	20.82	20.74	21.5
Channel				501204	518598	535998	21.5
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.75	20.85	20.76	21.5
Channel				500700	518598	536496	21.5
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.75	20.79	20.75	21.5
Channel				500202	518598	537000	21.5
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.75	20.78	20.74	21.5



<FR1 n41_HPUE_Ant 1_Default Power>

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	17.78	17.88	17.64	18.0
100	PI/2 BPSK	1	137	17.46	17.63	17.43	
100	PI/2 BPSK	1	271	17.18	17.30	17.16	
100	PI/2 BPSK	135	0	17.64	17.62	17.63	18.0
100	PI/2 BPSK	135	69	17.50	17.75	17.52	18.0
100	PI/2 BPSK	135	138	17.28	17.44	17.29	18.0
100	PI/2 BPSK	270	0	17.50	17.61	17.49	
100	QPSK	1	1	17.70	17.86	17.71	18.0
100	QPSK	1	137	17.47	17.67	17.50	
100	QPSK	1	271	17.11	17.25	17.14	
100	QPSK	135	0	17.65	17.75	17.61	18.0
100	QPSK	135	69	17.48	17.59	17.42	
100	QPSK	135	138	17.32	17.43	17.25	
100	QPSK	270	0	17.40	17.59	17.39	18.0
100	16QAM	1	1	17.68	17.83	17.63	18.0
100	64QAM	1	1	17.72	17.85	17.71	18.0
100	256QAM	1	1	17.68	17.82	17.64	18.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	17.67	17.74	17.49	18.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	17.67	17.69	17.48	18.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	17.61	17.73	17.52	18.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	17.60	17.68	17.51	18.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	17.61	17.76	17.47	18.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	17.64	17.78	17.52	18.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	17.59	17.73	17.45	18.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	17.59	17.74	17.44	18.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	17.64	17.69	17.45	18.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	17.58	17.75	17.54	18.0



<FR1 n41_PC1.5_Ant 1_Default Power>

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	17.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.72	16.79	16.61	
100	PI/2 BPSK	1	137	16.43	16.54	16.33	17.0
100	PI/2 BPSK	1	271	16.16	16.30	16.13	
100	PI/2 BPSK	135	0	16.56	16.60	16.58	17.0
100	PI/2 BPSK	135	69	16.50	16.75	16.42	17.0
100	PI/2 BPSK	135	138	16.26	16.34	16.26	17.0
100	PI/2 BPSK	270	0	16.42	16.57	16.41	
100	QPSK	1	1	16.68	16.62	16.68	17.0
100	QPSK	1	137	16.42	16.63	16.47	
100	QPSK	1	271	16.08	16.21	16.07	
100	QPSK	135	0	16.59	16.68	16.54	17.0
100	QPSK	135	69	16.47	16.53	16.33	
100	QPSK	135	138	16.28	16.33	16.18	17.0
100	QPSK	270	0	16.34	16.56	16.33	
100	16QAM	1	1	16.67	16.70	16.61	17.0
100	64QAM	1	1	16.66	16.78	16.68	17.0
100	256QAM	1	1	16.66	16.72	16.58	17.0
Channel				508200	518598	528996	17.0
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	16.62	16.65	16.47	17.0
Channel				507204	518598	529998	17.0
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	16.51	16.55	16.42	17.0
Channel				506202	518598	531000	17.0
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	16.57	16.52	16.42	17.0
Channel				505200	518598	531996	17.0
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	16.53	16.56	16.45	17.0
Channel				504204	518598	532998	17.0
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	16.52	16.52	16.42	17.0
Channel				503202	518598	534000	17.0
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	16.45	16.48	16.43	17.0
Channel				502200	518598	534996	17.0
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	16.42	16.51	16.45	17.0
Channel				501204	518598	535998	17.0
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	16.48	16.50	16.52	17.0
Channel				500700	518598	536496	17.0
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	16.42	16.48	16.62	17.0
Channel				500202	518598	537000	17.0
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	16.40	16.51	16.65	17.0



<FR1 n41_HPUE_Ant 3_Default Power>

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	17.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.28	16.37	16.33	17.0
100	PI/2 BPSK	1	137	16.14	16.21	16.13	
100	PI/2 BPSK	1	271	16.17	16.17	16.18	
100	PI/2 BPSK	135	0	16.10	16.18	16.21	17.0
100	PI/2 BPSK	135	69	16.10	16.22	16.22	17.0
100	PI/2 BPSK	135	138	16.15	16.21	16.21	17.0
100	PI/2 BPSK	270	0	16.09	16.21	16.19	
100	QPSK	1	1	16.08	16.20	16.20	17.0
100	QPSK	1	137	16.10	16.23	16.18	
100	QPSK	1	271	16.16	16.22	16.22	
100	QPSK	135	0	16.14	16.20	16.23	17.0
100	QPSK	135	69	16.13	16.21	16.16	
100	QPSK	135	138	16.12	16.26	16.18	
100	QPSK	270	0	16.16	16.19	16.15	17.0
100	16QAM	1	1	16.10	16.25	16.13	17.0
100	64QAM	1	1	16.13	16.23	16.16	17.0
100	256QAM	1	1	16.10	16.23	16.23	17.0
Channel				508200	518598	528996	17.0
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	16.11	16.25	16.17	17.0
Channel				507204	518598	529998	17.0
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	16.13	16.24	16.21	17.0
Channel				506202	518598	531000	17.0
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	16.11	16.17	16.14	17.0
Channel				505200	518598	531996	17.0
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	16.16	16.21	16.13	17.0
Channel				504204	518598	532998	17.0
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	16.08	16.21	16.19	17.0
Channel				503202	518598	534000	17.0
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	16.10	16.21	16.21	17.0
Channel				502200	518598	534996	17.0
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	16.15	16.24	16.19	17.0
Channel				501204	518598	535998	17.0
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	16.13	16.22	16.14	17.0
Channel				500700	518598	536496	17.0
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	16.08	16.19	16.23	17.0
Channel				500202	518598	537000	17.0
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	16.09	16.26	16.20	17.0



<FR1 n41_PC1.5_Ant 3_Default Power>

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	16.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	15.31	15.40	15.34	16.0
100	PI/2 BPSK	1	137	15.17	15.25	15.19	
100	PI/2 BPSK	1	271	15.20	15.29	15.21	
100	PI/2 BPSK	135	0	15.17	15.27	15.18	16.0
100	PI/2 BPSK	135	69	15.13	15.28	15.20	16.0
100	PI/2 BPSK	135	138	15.18	15.25	15.20	16.0
100	PI/2 BPSK	270	0	15.18	15.24	15.23	
100	QPSK	1	1	15.13	15.23	15.18	16.0
100	QPSK	1	137	15.11	15.27	15.14	
100	QPSK	1	271	15.11	15.26	15.23	
100	QPSK	135	0	15.15	15.26	15.18	16.0
100	QPSK	135	69	15.12	15.22	15.17	
100	QPSK	135	138	15.19	15.29	15.22	
100	QPSK	270	0	15.15	15.24	15.16	16.0
100	16QAM	1	1	15.19	15.30	15.24	16.0
100	64QAM	1	1	15.11	15.22	15.20	16.0
100	256QAM	1	1	15.11	15.20	15.19	16.0
Channel				508200	518598	528996	16.0
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	15.20	15.24	15.16	16.0
Channel				507204	518598	529998	16.0
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	15.21	15.24	15.16	16.0
Channel				506202	518598	531000	16.0
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	15.21	15.23	15.14	16.0
Channel				505200	518598	531996	16.0
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	15.15	15.29	15.21	16.0
Channel				504204	518598	532998	16.0
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	15.11	15.24	15.21	16.0
Channel				503202	518598	534000	16.0
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	15.21	15.25	15.23	16.0
Channel				502200	518598	534996	16.0
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	15.14	15.25	15.15	16.0
Channel				501204	518598	535998	16.0
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	15.18	15.24	15.15	16.0
Channel				500700	518598	536496	16.0
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	15.19	15.30	15.21	16.0
Channel				500202	518598	537000	16.0
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	15.19	15.23	15.16	16.0



<FR1 n48_Ant 0_Default Power>

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	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.65	21.99	21.91	22.0
40	PI/2 BPSK	1	53	21.81	21.92	21.89	
40	PI/2 BPSK	1	104	21.91	21.98	21.92	
40	PI/2 BPSK	50	0	21.81	21.89	21.90	22.0
40	PI/2 BPSK	50	28	21.83	21.93	21.74	22.0
40	PI/2 BPSK	50	56	21.79	21.88	21.70	22.0
40	PI/2 BPSK	100	0	21.74	21.87	21.81	
40	QPSK	1	1	21.93	21.96	21.78	22.0
40	QPSK	1	53	21.95	21.95	21.95	
40	QPSK	1	104	21.76	21.93	21.86	
40	QPSK	50	0	21.72	21.90	21.85	22.0
40	QPSK	50	28	21.85	21.93	21.74	
40	QPSK	50	56	21.86	21.90	21.75	
40	QPSK	100	0	21.64	21.84	21.74	22.0
40	16QAM	1	1	21.53	21.66	21.62	22.0
40	64QAM	1	1	21.56	21.67	21.58	22.0
40	256QAM	1	1	20.32	20.44	20.35	21.0
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.62	21.88	21.86	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	21.91	21.84	22.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.55	21.83	21.91	22.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.51	21.80	21.73	22.0
Channel				636834	641666	646500	Tune-up limit (dBm)
Frequency (MHz)				3552.51	3624.99	3697.5	
5	PI/2 BPSK	1	1	21.56	21.98	21.87	22.0



<FR1 n48_Ant 0_Reduced Power>

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	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	16.87	17.12	17.11	18.0
40	PI/2 BPSK	1	53	16.90	17.02	16.97	
40	PI/2 BPSK	1	104	17.05	16.96	17.07	
40	PI/2 BPSK	50	0	16.95	16.91	16.97	18.0
40	PI/2 BPSK	50	28	16.95	16.96	16.74	18.0
40	PI/2 BPSK	50	56	16.87	16.82	16.79	18.0
40	PI/2 BPSK	100	0	16.83	16.94	16.91	
40	QPSK	1	1	16.99	16.91	16.94	18.0
40	QPSK	1	53	16.99	16.93	17.09	
40	QPSK	1	104	16.82	16.87	16.89	
40	QPSK	50	0	16.87	16.87	17.02	18.0
40	QPSK	50	28	17.06	16.99	16.90	
40	QPSK	50	56	16.96	16.87	16.80	
40	QPSK	100	0	16.70	16.97	16.86	18.0
40	16QAM	1	1	16.74	16.73	16.70	18.0
40	64QAM	1	1	16.73	16.64	16.74	18.0
40	256QAM	1	1	16.64	16.79	16.75	18.0
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	16.68	17.06	17.09	18.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	16.86	17.05	16.99	18.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	16.82	16.99	16.91	18.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	16.75	17.09	16.93	18.0
Channel				636834	641666	646500	Tune-up limit (dBm)
Frequency (MHz)				3552.51	3624.99	3697.5	
5	PI/2 BPSK	1	1	16.84	16.95	16.97	18.0



<FR1 n48_Ant 2_Default Power>

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	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.31	21.39	21.38	22.0
40	PI/2 BPSK	1	53	21.34	21.35	21.13	
40	PI/2 BPSK	1	104	21.22	21.37	21.24	
40	PI/2 BPSK	50	0	21.10	21.30	21.03	22.0
40	PI/2 BPSK	50	28	21.29	21.33	21.20	22.0
40	PI/2 BPSK	50	56	21.21	21.29	21.25	22.0
40	PI/2 BPSK	100	0	20.99	21.28	21.07	
40	QPSK	1	1	21.04	21.23	21.02	22.0
40	QPSK	1	53	21.06	21.27	20.99	
40	QPSK	1	104	21.13	21.37	21.31	
40	QPSK	50	0	21.03	21.29	21.13	22.0
40	QPSK	50	28	21.20	21.23	21.05	
40	QPSK	50	56	21.09	21.38	21.12	
40	QPSK	100	0	21.34	21.35	21.31	22.0
40	16QAM	1	1	20.78	20.93	20.83	21.0
40	64QAM	1	1	20.86	20.89	20.88	21.5
40	256QAM	1	1	19.06	19.10	19.03	19.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.12	21.32	21.25	22.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.12	21.16	21.18	22.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.23	21.35	21.15	22.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.07	21.11	21.14	22.0
Channel				636834	641666	646500	Tune-up limit (dBm)
Frequency (MHz)				3552.51	3624.99	3697.5	
5	PI/2 BPSK	1	1	21.23	21.18	21.24	22.0



<FR1 n48_Ant 2_Reduced Power>

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	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	14.72	14.98	14.85	15.5
40	PI/2 BPSK	1	53	14.61	14.65	14.82	
40	PI/2 BPSK	1	104	14.53	14.73	14.79	
40	PI/2 BPSK	50	0	14.59	14.74	14.81	15.5
40	PI/2 BPSK	50	28	14.62	14.85	14.84	15.5
40	PI/2 BPSK	50	56	14.60	14.75	14.81	15.5
40	PI/2 BPSK	100	0	14.56	14.87	14.74	
40	QPSK	1	1	14.55	14.73	14.85	15.5
40	QPSK	1	53	14.61	14.65	14.86	
40	QPSK	1	104	14.58	14.71	14.78	
40	QPSK	50	0	14.62	14.66	14.81	15.5
40	QPSK	50	28	14.61	14.66	14.78	
40	QPSK	50	56	14.62	14.67	14.80	
40	QPSK	100	0	14.53	14.72	14.86	15.5
40	16QAM	1	1	14.62	14.65	14.85	15.5
40	64QAM	1	1	14.59	14.66	14.88	15.5
40	256QAM	1	1	14.59	14.69	14.84	15.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	14.55	14.74	14.80	15.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	14.55	14.70	14.84	15.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	14.52	14.69	14.86	15.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	14.62	14.68	14.80	15.5
Channel				636834	641666	646500	Tune-up limit (dBm)
Frequency (MHz)				3552.51	3624.99	3697.5	
5	PI/2 BPSK	1	1	14.55	14.72	14.88	15.5



<FR1 n77_Ant 0_Default Power>

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	23.34	23.36	23.08	24.0
100	PI/2 BPSK	1	137	23.21	23.28	23.24	
100	PI/2 BPSK	1	271	23.13	23.18	23.03	
100	PI/2 BPSK	135	0	23.10	23.24	23.05	23.5
100	PI/2 BPSK	135	69	23.13	23.27	23.12	24.0
100	PI/2 BPSK	135	138	22.91	23.08	22.96	23.5
100	PI/2 BPSK	270	0	23.07	23.24	23.07	
100	QPSK	1	1	23.12	23.32	23.26	23.5
100	QPSK	1	137	23.25	23.27	23.13	
100	QPSK	1	271	23.12	23.14	23.01	
100	QPSK	135	0	23.11	23.20	23.12	23.5
100	QPSK	135	69	23.08	23.17	23.06	
100	QPSK	135	138	23.05	23.12	23.10	
100	QPSK	270	0	22.96	23.14	23.09	23.5
100	16QAM	1	1	23.08	23.22	23.14	23.5
100	64QAM	1	1	23.23	23.24	23.04	23.5
100	256QAM	1	1	21.15	21.23	21.16	22.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.16	23.25	22.89	24.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.33	23.32	22.94	24.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.18	23.32	23.00	24.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.33	23.30	22.89	24.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.24	23.35	23.04	24.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.24	23.31	23.05	24.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.21	23.26	22.96	24.0
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.21	23.16	22.98	24.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.14	23.35	23.00	24.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.29	23.27	22.98	24.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.22	23.30	23.06	24.0



<FR1 n77_Ant 0_Reduced Power>

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	16.91	16.98	16.67	17.5
100	PI/2 BPSK	1	137	16.63	16.73	16.71	
100	PI/2 BPSK	1	271	16.55	16.78	16.44	
100	PI/2 BPSK	135	0	16.48	16.73	16.44	17.5
100	PI/2 BPSK	135	69	16.64	16.86	16.66	17.5
100	PI/2 BPSK	135	138	16.33	16.53	16.36	17.5
100	PI/2 BPSK	270	0	16.44	16.70	16.66	
100	QPSK	1	1	16.52	16.81	16.67	17.5
100	QPSK	1	137	16.76	16.83	16.61	
100	QPSK	1	271	16.54	16.71	16.45	
100	QPSK	135	0	16.58	16.63	16.54	17.5
100	QPSK	135	69	16.50	16.62	16.50	
100	QPSK	135	138	16.42	16.60	16.62	
100	QPSK	270	0	16.38	16.66	16.59	17.5
100	16QAM	1	1	16.49	16.68	16.55	17.5
100	64QAM	1	1	16.78	16.82	16.48	17.5
100	256QAM	1	1	16.67	16.75	16.50	17.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	16.71	16.79	16.56	17.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	16.75	16.91	16.54	17.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	16.82	16.96	16.53	17.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	16.79	16.80	16.53	17.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	16.89	16.88	16.51	17.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	16.76	16.89	16.50	17.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	16.81	16.79	16.59	17.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	16.79	16.82	16.50	17.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	16.86	16.91	16.66	17.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	16.79	16.87	16.57	17.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	16.78	16.97	16.54	17.5



<FR1 n77_Ant 2_Default Power>

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	23.15	23.25	22.81	24.0
100	PI/2 BPSK	1	137	22.68	22.96	22.84	
100	PI/2 BPSK	1	271	22.67	22.92	22.92	
100	PI/2 BPSK	135	0	22.72	22.87	22.64	24.0
100	PI/2 BPSK	135	69	22.66	22.91	22.87	24.0
100	PI/2 BPSK	135	138	22.58	22.84	22.73	24.0
100	PI/2 BPSK	270	0	22.74	22.91	22.73	
100	QPSK	1	1	22.70	22.89	22.82	24.0
100	QPSK	1	137	22.63	22.86	22.60	
100	QPSK	1	271	22.73	22.83	22.67	
100	QPSK	135	0	22.76	22.94	22.71	24.0
100	QPSK	135	69	22.63	22.92	22.90	
100	QPSK	135	138	22.68	22.78	22.53	
100	QPSK	270	0	22.75	22.89	22.66	24.0
100	16QAM	1	1	22.87	22.97	22.96	23.0
100	64QAM	1	1	22.72	23.01	22.91	24.0
100	256QAM	1	1	20.95	21.00	20.90	22.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.09	23.01	22.59	24.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.12	23.23	22.66	24.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.88	23.11	22.63	24.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.12	23.16	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	23.09	23.06	22.76	24.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.94	23.21	22.69	24.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.10	23.05	22.69	24.0
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.08	22.96	22.66	24.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.89	23.03	22.55	24.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.04	23.16	22.67	24.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.15	22.97	22.71	24.0



<FR1 n77_Ant 2_Reduced Power>

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	13.53	13.56	13.32	14.5
100	PI/2 BPSK	1	137	13.43	13.44	13.18	
100	PI/2 BPSK	1	271	13.40	13.44	13.16	
100	PI/2 BPSK	135	0	13.43	13.40	13.13	14.5
100	PI/2 BPSK	135	69	13.35	13.44	13.18	14.5
100	PI/2 BPSK	135	138	13.35	13.37	13.20	14.5
100	PI/2 BPSK	270	0	13.39	13.42	13.21	
100	QPSK	1	1	13.41	13.45	13.18	14.5
100	QPSK	1	137	13.43	13.38	13.18	
100	QPSK	1	271	13.41	13.41	13.17	
100	QPSK	135	0	13.43	13.39	13.12	14.5
100	QPSK	135	69	13.39	13.38	13.12	
100	QPSK	135	138	13.38	13.38	13.17	
100	QPSK	270	0	13.36	13.38	13.17	14.5
100	16QAM	1	1	13.39	13.36	13.19	14.5
100	64QAM	1	1	13.43	13.36	13.12	14.5
100	256QAM	1	1	13.39	13.42	13.22	14.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	13.33	13.45	13.15	14.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	13.43	13.44	13.22	14.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	13.37	13.37	13.12	14.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	13.34	13.45	13.20	14.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	13.36	13.40	13.12	14.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	13.35	13.39	13.22	14.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	13.37	13.39	13.19	14.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	13.33	13.45	13.21	14.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	13.43	13.36	13.16	14.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	13.42	13.41	13.21	14.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	13.39	13.44	13.19	14.5



<FR1 n77_Ant 1_Default Power>

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	12.68	12.75	12.50	13.0
100	PI/2 BPSK	1	137	12.64	12.61	12.30	
100	PI/2 BPSK	1	271	12.68	12.45	12.28	
100	PI/2 BPSK	135	0	12.57	12.50	12.30	13.0
100	PI/2 BPSK	135	69	12.65	12.69	12.29	13.0
100	PI/2 BPSK	135	138	12.63	12.51	12.33	13.0
100	PI/2 BPSK	270	0	12.49	12.73	12.32	
100	QPSK	1	1	12.69	12.54	12.26	13.0
100	QPSK	1	137	12.69	12.53	12.27	
100	QPSK	1	271	12.65	12.52	12.31	
100	QPSK	135	0	12.63	12.61	12.32	13.0
100	QPSK	135	69	12.60	12.62	12.29	
100	QPSK	135	138	12.64	12.55	12.34	
100	QPSK	270	0	12.64	12.59	12.23	13.0
100	16QAM	1	1	12.65	12.62	12.31	13.0
100	64QAM	1	1	12.70	12.54	12.30	13.0
100	256QAM	1	1	12.58	12.45	12.40	13.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	12.57	12.66	12.48	13.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	12.51	12.56	12.42	13.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	12.44	12.53	12.46	13.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	12.51	12.62	12.47	13.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	12.44	12.34	12.33	13.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	12.41	12.31	12.32	13.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	12.51	12.70	12.48	13.0
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	12.71	12.65	12.62	13.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	12.68	12.63	12.65	13.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	12.63	12.60	12.62	13.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	12.66	12.59	12.54	13.0



<FR1 n77_Ant 3_Default Power>

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	10.64	10.67	10.49	11.5
100	PI/2 BPSK	1	137	10.45	10.56	10.33	
100	PI/2 BPSK	1	271	10.49	10.53	10.29	
100	PI/2 BPSK	135	0	10.47	10.44	10.38	11.5
100	PI/2 BPSK	135	69	10.48	10.51	10.37	11.5
100	PI/2 BPSK	135	138	10.45	10.48	10.30	11.5
100	PI/2 BPSK	270	0	10.52	10.54	10.45	
100	QPSK	1	1	10.45	10.52	10.39	11.5
100	QPSK	1	137	10.45	10.50	10.29	
100	QPSK	1	271	10.52	10.46	10.32	
100	QPSK	135	0	10.50	10.48	10.33	11.5
100	QPSK	135	69	10.57	10.56	10.40	
100	QPSK	135	138	10.48	10.48	10.39	
100	QPSK	270	0	10.50	10.53	10.34	11.5
100	16QAM	1	1	10.48	10.50	10.37	11.5
100	64QAM	1	1	10.53	10.45	10.38	11.5
100	256QAM	1	1	10.46	10.54	10.36	11.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	10.49	10.57	10.33	11.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	10.49	10.47	10.30	11.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	10.45	10.48	10.36	11.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	10.46	10.50	10.32	11.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	10.50	10.50	10.39	11.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	10.51	10.50	10.43	11.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	10.39	10.52	10.42	11.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	10.43	10.55	10.41	11.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	10.48	10.50	10.40	11.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	10.47	10.46	10.31	11.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	10.43	10.45	10.40	11.5



<FR1 n77_HPUE_Ant 0_Default Power>

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	25.83	25.91	25.57	27.0
100	PI/2 BPSK	1	137	25.83	25.89	25.89	
100	PI/2 BPSK	1	271	25.62	25.65	25.65	
100	PI/2 BPSK	135	0	25.23	25.27	25.13	26.5
100	PI/2 BPSK	135	69	25.65	25.76	25.70	27.0
100	PI/2 BPSK	135	138	25.13	25.18	25.11	26.5
100	PI/2 BPSK	270	0	25.09	25.23	25.21	
100	QPSK	1	1	25.65	25.76	25.71	26.5
100	QPSK	1	137	25.61	25.70	25.70	
100	QPSK	1	271	25.57	25.65	25.64	
100	QPSK	135	0	24.64	24.72	24.63	26.5
100	QPSK	135	69	25.67	25.77	25.72	
100	QPSK	135	138	24.65	24.71	24.59	
100	QPSK	270	0	24.49	24.67	24.47	26.0
100	16QAM	1	1	24.49	24.53	24.33	26.0
100	64QAM	1	1	23.35	23.41	23.22	24.5
100	256QAM	1	1	21.06	21.19	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	25.83	25.71	25.52	27.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.70	25.89	25.51	27.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.82	25.75	25.37	27.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.63	25.89	25.41	27.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.68	25.90	25.44	27.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.81	25.86	25.37	27.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.66	25.86	25.41	27.0
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	25.66	25.90	25.43	27.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.73	25.86	25.51	27.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.70	25.85	25.40	27.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.81	25.87	25.40	27.0



<FR1 n77_PC1.5_Ant 0_Default Power>

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	25.55	25.59	25.36	26.0
100	PI/2 BPSK	1	137	25.40	25.48	25.13	
100	PI/2 BPSK	1	271	25.37	25.42	25.08	
100	PI/2 BPSK	135	0	25.43	25.48	25.23	26.0
100	PI/2 BPSK	135	69	25.47	25.56	25.28	26.0
100	PI/2 BPSK	135	138	25.21	25.40	25.16	26.0
100	PI/2 BPSK	270	0	25.49	25.55	25.19	
100	QPSK	1	1	25.28	25.46	25.25	26.0
100	QPSK	1	137	25.39	25.42	25.02	
100	QPSK	1	271	25.24	25.39	25.19	
100	QPSK	135	0	25.30	25.32	24.92	26.0
100	QPSK	135	69	25.13	25.30	24.96	
100	QPSK	135	138	25.26	25.28	25.04	
100	QPSK	270	0	25.10	25.16	24.95	26.0
100	16QAM	1	1	25.40	25.50	25.16	26.0
100	64QAM	1	1	25.32	25.48	25.10	26.0
100	256QAM	1	1	24.56	24.58	24.29	25.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.42	25.50	25.40	26.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.38	25.42	25.39	26.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.30	25.38	25.32	26.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.30	25.31	25.30	26.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.25	25.18	25.20	26.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.20	25.10	25.19	26.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.32	25.37	25.30	26.0
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	25.30	25.30	25.20	26.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.27	25.20	25.22	26.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.16	25.19	25.19	26.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.19	25.20	25.20	26.0



<FR1 n77_HPUE_Ant 0_Reduced Power>

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	19.98	20.04	19.75	20.5
100	PI/2 BPSK	1	137	19.99	19.81	20.01	
100	PI/2 BPSK	1	271	19.69	19.60	19.72	
100	PI/2 BPSK	135	0	19.34	19.15	19.22	20.5
100	PI/2 BPSK	135	69	19.64	19.71	19.68	20.5
100	PI/2 BPSK	135	138	19.24	19.21	19.15	20.5
100	PI/2 BPSK	270	0	19.27	19.33	19.30	
100	QPSK	1	1	19.71	19.76	19.76	20.5
100	QPSK	1	137	19.72	19.73	19.82	
100	QPSK	1	271	19.66	19.71	19.76	
100	QPSK	135	0	18.83	19.76	18.62	20.5
100	QPSK	135	69	19.70	19.67	19.71	
100	QPSK	135	138	19.78	19.73	19.61	
100	QPSK	270	0	19.64	19.63	19.50	20.5
100	16QAM	1	1	19.50	19.62	19.57	20.5
100	64QAM	1	1	19.52	19.61	19.52	20.5
100	256QAM	1	1	19.56	19.51	19.54	20.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.99	19.78	19.58	20.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.95	19.98	19.63	20.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.00	19.86	19.71	20.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.96	19.79	19.60	20.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.94	19.87	19.69	20.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.86	19.88	19.75	20.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.89	19.88	19.64	20.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	19.91	19.79	19.74	20.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.02	19.86	19.69	20.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.02	19.94	19.70	20.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.86	19.91	19.72	20.5



<FR1 n77_PC1.5_Ant 0_Reduced Power>

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	18.82	18.92	18.78	19.5
100	PI/2 BPSK	1	137	18.67	18.75	18.64	
100	PI/2 BPSK	1	271	18.71	18.78	18.65	
100	PI/2 BPSK	135	0	18.72	18.79	18.66	19.5
100	PI/2 BPSK	135	69	18.64	18.81	18.61	19.5
100	PI/2 BPSK	135	138	18.65	18.78	18.58	19.5
100	PI/2 BPSK	270	0	18.66	18.73	18.60	
100	QPSK	1	1	18.72	18.78	18.66	19.5
100	QPSK	1	137	18.64	18.77	18.67	
100	QPSK	1	271	18.70	18.73	18.61	
100	QPSK	135	0	18.66	18.82	18.63	19.5
100	QPSK	135	69	18.63	18.79	18.65	
100	QPSK	135	138	18.65	18.78	18.62	
100	QPSK	270	0	18.63	18.76	18.59	19.5
100	16QAM	1	1	18.72	18.77	18.60	19.5
100	64QAM	1	1	18.63	18.82	18.61	19.5
100	256QAM	1	1	18.72	18.82	18.59	19.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	18.62	18.77	18.67	19.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	18.65	18.78	18.68	19.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	18.62	18.77	18.62	19.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	18.69	18.77	18.63	19.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	18.69	18.75	18.59	19.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	18.70	18.82	18.65	19.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	18.67	18.78	18.66	19.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	18.66	18.82	18.63	19.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	18.66	18.74	18.58	19.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	18.69	18.74	18.61	19.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	18.64	18.72	18.58	19.5



<FR1 n77_HPUE_Ant 2_Default Power>

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	27.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.42	25.51	25.27	27.0
100	PI/2 BPSK	1	137	25.23	25.38	25.31	
100	PI/2 BPSK	1	271	25.02	25.32	25.27	
100	PI/2 BPSK	135	0	24.90	24.91	24.73	26.5
100	PI/2 BPSK	135	69	25.07	25.34	25.13	27.0
100	PI/2 BPSK	135	138	24.53	24.73	24.54	26.5
100	PI/2 BPSK	270	0	24.70	24.82	24.75	
100	QPSK	1	1	24.92	25.22	25.08	26.5
100	QPSK	1	137	25.14	25.28	25.15	
100	QPSK	1	271	24.98	25.27	25.26	
100	QPSK	135	0	24.29	24.40	24.20	26.0
100	QPSK	135	69	25.13	25.36	25.10	27.0
100	QPSK	135	138	24.06	24.23	24.00	26
100	QPSK	270	0	24.13	24.32	24.27	26.0
100	16QAM	1	1	24.21	24.42	24.26	26.0
100	64QAM	1	1	22.67	22.72	22.60	24.5
100	256QAM	1	1	20.74	20.75	20.63	22.5
Channel				649668	656000	662332	27.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.34	25.22	25.19	27.0
Channel				649334	656000	662666	27.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.24	25.28	25.06	27.0
Channel				649000	656000	663000	27.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.37	25.43	25.12	27.0
Channel				648668	656000	663332	27.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.31	25.38	25.10	27.0
Channel				648334	656000	663666	27.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.41	25.21	25.12	27.0
Channel				648000	656000	664000	27.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.28	25.31	25.24	27.0
Channel				647668	656000	664332	27.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.12	25.50	25.20	27.0
Channel				647500	656000	664500	27.0
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	25.37	25.50	25.05	27.0
Channel				647334	656000	664666	27.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.30	25.25	25.21	27.0
Channel				647168	656000	664832	27.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.37	25.45	25.17	27.0
Channel				647000	656000	665000	27.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.16	25.31	25.18	27.0



<FR1 n77_PC1.5_Ant 2_Default Power>

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	26.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.75	24.87	24.71	
100	PI/2 BPSK	1	137	24.63	24.83	24.64	26.0
100	PI/2 BPSK	1	271	24.61	24.81	24.67	
100	PI/2 BPSK	135	0	24.68	24.81	24.67	
100	PI/2 BPSK	135	69	24.68	24.83	24.65	26.0
100	PI/2 BPSK	135	138	24.64	24.79	24.69	
100	PI/2 BPSK	270	0	24.65	24.82	24.64	
100	QPSK	1	1	24.59	24.76	24.60	26.0
100	QPSK	1	137	24.61	24.72	24.62	
100	QPSK	1	271	24.66	24.77	24.59	
100	QPSK	135	0	24.22	24.34	24.23	26.0
100	QPSK	135	69	24.61	24.78	24.58	
100	QPSK	135	138	24.17	24.35	24.20	
100	QPSK	270	0	24.15	24.28	24.17	26.0
100	16QAM	1	1	24.15	24.29	24.09	
100	64QAM	1	1	22.79	22.95	22.78	
100	256QAM	1	1	20.42	20.61	20.44	22.0
Channel				649668	656000	662332	
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.62	24.67	24.58	26.0
Channel				649334	656000	662666	
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.60	24.77	24.56	26.0
Channel				649000	656000	663000	
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.60	24.70	24.57	26.0
Channel				648668	656000	663332	
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.56	24.76	24.51	26.0
Channel				648334	656000	663666	
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.59	24.75	24.51	26.0
Channel				648000	656000	664000	
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.63	24.77	24.53	26.0
Channel				647668	656000	664332	
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.62	24.70	24.57	26.0
Channel				647500	656000	664500	
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	24.60	24.75	24.51	26.0
Channel				647334	656000	664666	
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.55	24.74	24.55	26.0
Channel				647168	656000	664832	
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.60	24.68	24.61	26.0
Channel				647000	656000	665000	
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.60	24.71	24.51	26.0



<FR1 n77_HPUE_Ant 2_Reduced Power>

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	16.43	16.44	16.22	17.5
100	PI/2 BPSK	1	137	16.32	16.34	16.12	
100	PI/2 BPSK	1	271	16.31	16.24	16.06	
100	PI/2 BPSK	135	0	16.30	16.27	16.12	17.5
100	PI/2 BPSK	135	69	16.31	16.33	16.07	17.5
100	PI/2 BPSK	135	138	16.31	16.28	16.07	17.5
100	PI/2 BPSK	270	0	16.24	16.32	16.12	
100	QPSK	1	1	16.25	16.24	16.08	17.5
100	QPSK	1	137	16.32	16.31	16.02	
100	QPSK	1	271	16.28	16.31	16.03	
100	QPSK	135	0	16.24	16.30	16.05	17.5
100	QPSK	135	69	16.33	16.26	16.03	17.5
100	QPSK	135	138	16.33	16.25	16.06	17.5
100	QPSK	270	0	16.32	16.32	16.03	17.5
100	16QAM	1	1	16.26	16.33	16.06	17.5
100	64QAM	1	1	16.33	16.28	16.03	17.5
100	256QAM	1	1	16.31	16.27	16.03	17.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	16.32	16.26	16.05	17.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	16.33	16.30	16.03	17.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	16.30	16.27	16.10	17.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	16.31	16.32	16.10	17.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	16.30	16.27	16.02	17.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	16.32	16.28	16.05	17.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	16.26	16.32	16.07	17.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	16.24	16.31	16.06	17.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	16.30	16.26	16.02	17.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	16.31	16.34	16.12	17.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	16.30	16.30	16.12	17.5



<FR1 n77_PC1.5_Ant 2_Reduced Power>

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	15.23	15.31	15.27	16.5
100	PI/2 BPSK	1	137	15.04	15.20	15.12	
100	PI/2 BPSK	1	271	15.05	15.18	15.15	
100	PI/2 BPSK	135	0	15.12	15.19	15.09	16.5
100	PI/2 BPSK	135	69	15.09	15.20	15.07	16.5
100	PI/2 BPSK	135	138	15.06	15.17	15.07	16.5
100	PI/2 BPSK	270	0	15.12	15.19	15.13	
100	QPSK	1	1	15.11	15.13	15.08	16.5
100	QPSK	1	137	15.06	15.14	15.17	
100	QPSK	1	271	15.06	15.19	15.08	
100	QPSK	135	0	15.03	15.21	15.16	16.5
100	QPSK	135	69	15.06	15.12	15.17	
100	QPSK	135	138	15.13	15.15	15.17	
100	QPSK	270	0	15.13	15.17	15.14	16.5
100	16QAM	1	1	15.08	15.14	15.11	16.5
100	64QAM	1	1	15.08	15.16	15.13	16.5
100	256QAM	1	1	15.08	15.14	15.15	16.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	15.13	15.18	15.10	16.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	15.06	15.15	15.09	16.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	15.07	15.12	15.16	16.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	15.13	15.15	15.11	16.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	15.08	15.12	15.07	16.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	15.07	15.18	15.16	16.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	15.08	15.13	15.13	16.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	15.11	15.13	15.14	16.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	15.10	15.11	15.13	16.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	15.07	15.20	15.15	16.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	15.13	15.20	15.13	16.5



<FR1 n77_HPUE_Ant 1_Default Power>

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	14.75	14.84	14.51	16.0
100	PI/2 BPSK	1	137	14.73	14.62	14.37	
100	PI/2 BPSK	1	271	14.74	14.55	14.37	
100	PI/2 BPSK	135	0	14.60	14.56	14.35	16.0
100	PI/2 BPSK	135	69	14.65	14.73	14.33	16.0
100	PI/2 BPSK	135	138	14.68	14.61	14.41	16.0
100	PI/2 BPSK	270	0	14.59	14.74	14.40	
100	QPSK	1	1	14.73	14.62	14.34	16.0
100	QPSK	1	137	14.71	14.56	14.35	
100	QPSK	1	271	14.74	14.60	14.37	
100	QPSK	135	0	14.67	14.61	14.34	16.0
100	QPSK	135	69	14.66	14.65	14.34	
100	QPSK	135	138	14.69	14.64	14.41	
100	QPSK	270	0	14.73	14.59	14.31	16.0
100	16QAM	1	1	14.71	14.63	14.41	16.0
100	64QAM	1	1	14.71	14.63	14.40	16.0
100	256QAM	1	1	14.65	14.55	14.40	16.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	14.64	14.56	14.39	16.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	14.67	14.61	14.36	16.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	14.65	14.63	14.38	16.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	14.74	14.65	14.40	16.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	14.70	14.55	14.40	16.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	14.69	14.63	14.38	16.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	14.68	14.59	14.35	16.0
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	14.57	14.52	14.41	16.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	14.70	14.62	14.40	16.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	14.69	14.65	14.35	16.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	14.67	14.64	14.41	16.0



<FR1 n77_PC1.5_Ant 1_Default Power>

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	14.68	14.79	14.45	15.0
100	PI/2 BPSK	1	137	14.69	14.60	14.33	
100	PI/2 BPSK	1	271	14.68	14.50	14.27	
100	PI/2 BPSK	135	0	14.51	14.55	14.32	15.0
100	PI/2 BPSK	135	69	14.60	14.71	14.30	15.0
100	PI/2 BPSK	135	138	14.61	14.55	14.32	15.0
100	PI/2 BPSK	270	0	14.58	14.67	14.31	
100	QPSK	1	1	14.72	14.60	14.27	15.0
100	QPSK	1	137	14.70	14.50	14.28	
100	QPSK	1	271	14.66	14.50	14.28	
100	QPSK	135	0	14.62	14.57	14.24	15.0
100	QPSK	135	69	14.57	14.62	14.33	
100	QPSK	135	138	14.62	14.62	14.32	
100	QPSK	270	0	14.72	14.57	14.27	15.0
100	16QAM	1	1	14.64	14.56	14.33	15.0
100	64QAM	1	1	14.70	14.57	14.34	15.0
100	256QAM	1	1	14.58	14.45	14.30	15.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	14.60	14.52	14.42	15.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	14.57	14.57	14.39	15.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	14.62	14.57	14.41	15.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	14.59	14.62	14.42	15.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	14.62	14.52	14.45	15.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	14.62	14.62	14.35	15.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	14.57	14.57	14.41	15.0
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	14.52	14.48	14.39	15.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	14.62	14.59	14.37	15.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	14.65	14.57	14.41	15.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	14.62	14.59	14.58	15.0



<FR1 n77_HPUE_Ant 3_Default Power>

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	13.88	13.90	13.76	14.5
100	PI/2 BPSK	1	137	13.72	13.78	13.56	
100	PI/2 BPSK	1	271	13.78	13.77	13.59	
100	PI/2 BPSK	135	0	13.75	13.74	13.60	14.5
100	PI/2 BPSK	135	69	13.70	13.76	13.60	14.5
100	PI/2 BPSK	135	138	13.73	13.74	13.59	14.5
100	PI/2 BPSK	270	0	13.72	13.74	13.65	
100	QPSK	1	1	13.69	13.78	13.66	14.5
100	QPSK	1	137	13.73	13.72	13.56	
100	QPSK	1	271	13.77	13.70	13.61	
100	QPSK	135	0	13.77	13.78	13.57	14.5
100	QPSK	135	69	13.77	13.76	13.65	
100	QPSK	135	138	13.70	13.75	13.64	
100	QPSK	270	0	13.77	13.77	13.61	14.5
100	16QAM	1	1	13.68	13.70	13.61	14.5
100	64QAM	1	1	13.75	13.71	13.61	14.5
100	256QAM	1	1	13.71	13.74	13.64	14.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	13.69	13.73	13.56	14.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	13.70	13.75	13.65	14.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	13.75	13.73	13.57	14.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	13.69	13.77	13.57	14.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	13.70	13.79	13.57	14.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	13.72	13.74	13.61	14.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	13.75	13.80	13.60	14.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	13.68	13.79	13.63	14.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	13.76	13.70	13.59	14.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	13.74	13.75	13.64	14.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	13.78	13.75	13.57	14.5



<FR1 n77_PC1.5_Ant 3_Default Power>

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	12.70	12.80	12.50	13.5
100	PI/2 BPSK	1	137	12.70	12.62	12.36	
100	PI/2 BPSK	1	271	12.73	12.55	12.29	
100	PI/2 BPSK	135	0	12.59	12.63	12.41	13.5
100	PI/2 BPSK	135	69	12.69	12.78	12.36	13.5
100	PI/2 BPSK	135	138	12.67	12.62	12.38	13.5
100	PI/2 BPSK	270	0	12.68	12.77	12.34	
100	QPSK	1	1	12.74	12.60	12.34	
100	QPSK	1	137	12.73	12.56	12.34	13.5
100	QPSK	1	271	12.67	12.53	12.31	
100	QPSK	135	0	12.63	12.67	12.29	
100	QPSK	135	69	12.61	12.71	12.39	13.5
100	QPSK	135	138	12.67	12.65	12.37	
100	QPSK	270	0	12.73	12.67	12.34	
100	16QAM	1	1	12.67	12.65	12.35	13.5
100	64QAM	1	1	12.80	12.62	12.34	13.5
100	256QAM	1	1	12.65	12.50	12.37	13.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	12.57	12.62	12.35	13.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	12.59	12.63	12.30	13.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	12.55	12.70	12.39	13.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	12.59	12.68	12.37	13.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	12.59	12.70	12.39	13.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	12.51	12.67	12.34	13.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	12.51	12.63	12.31	13.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	12.59	12.68	12.38	13.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	12.60	12.66	12.31	13.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	12.60	12.61	12.31	13.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	12.54	12.60	12.28	13.5



<FR1 n77_Ant 0_Default Power>

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		23.25		24.0
100	PI/2 BPSK	1	137		23.11		
100	PI/2 BPSK	1	271		23.02		
100	PI/2 BPSK	135	0		23.12		23.5
100	PI/2 BPSK	135	69		23.16		24.0
100	PI/2 BPSK	135	138		22.91		23.5
100	PI/2 BPSK	270	0		23.12		
100	QPSK	1	1		22.89		23.5
100	QPSK	1	137		23.17		
100	QPSK	1	271		22.94		
100	QPSK	135	0		23.01		23.5
100	QPSK	135	69		23.03		
100	QPSK	135	138		23.02		
100	QPSK	270	0		23.01		23.5
100	16QAM	1	1		23.02		23.5
100	64QAM	1	1		23.07		23.5
100	256QAM	1	1		21.10		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1		23.17	22.96	24.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1		23.12	22.97	24.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1		23.21	22.95	24.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1		23.19	22.89	24.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1		23.15	22.94	24.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1		23.19	22.96	24.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1		23.11	22.98	24.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1		23.16	22.90	24.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1		23.19	23.03	24.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1		23.16	23.08	24.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1		23.23	22.92	24.0



<FR1 n77_Ant 0_Reduced Power>

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		16.51		17.5
100	PI/2 BPSK	1	137		16.23		
100	PI/2 BPSK	1	271		16.23		
100	PI/2 BPSK	135	0		16.31		17.5
100	PI/2 BPSK	135	69		16.45		17.5
100	PI/2 BPSK	135	138		16.05		17.5
100	PI/2 BPSK	270	0		16.23		
100	QPSK	1	1		16.02		17.5
100	QPSK	1	137		16.28		
100	QPSK	1	271		16.16		
100	QPSK	135	0		16.24		17.5
100	QPSK	135	69		16.14		
100	QPSK	135	138		16.19		
100	QPSK	270	0		16.19		17.5
100	16QAM	1	1		16.29		17.5
100	64QAM	1	1		16.30		17.5
100	256QAM	1	1		16.20		17.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	16.41	16.47	16.31	17.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.32	16.49	16.31	17.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.44	16.47	16.36	17.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1				17.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.47	16.44	16.32	17.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.40	16.32	16.48	17.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.42	16.31	16.36	17.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	16.31	16.37	16.31	17.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.41	16.31	16.41	17.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	16.38	16.48	16.47	17.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.31	16.50	16.32	17.5



<FR1 n77_Ant 2_Default Power>

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		23.15		
100	PI/2 BPSK	1	271		23.09		
100	PI/2 BPSK	135	0		23.11		24.0
100	PI/2 BPSK	135	69		23.17		24.0
100	PI/2 BPSK	135	138		23.02		24.0
100	PI/2 BPSK	270	0		23.10		
100	QPSK	1	1		23.02		24.0
100	QPSK	1	137		22.94		
100	QPSK	1	271		22.98		
100	QPSK	135	0		23.06		24.0
100	QPSK	135	69		23.05		
100	QPSK	135	138		23.00		
100	QPSK	270	0		23.12		24.0
100	16QAM	1	1		22.97		24.0
100	64QAM	1	1		23.17		24.0
100	256QAM	1	1		20.92		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.96	23.15	23.06	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	23.18	22.93	24.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.19	22.94	23.19	24.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.97	23.11	22.91	24.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.10	23.07	22.94	24.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.18	22.92	23.12	24.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.10	23.00	23.09	24.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.09	22.95	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	22.90	22.96	23.08	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	22.92	23.01	24.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.95	23.10	23.08	24.0



<FR1 n77_Ant 2_Reduced Power>

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		13.62		14.5
100	PI/2 BPSK	1	137		13.42		
100	PI/2 BPSK	1	271		13.43		
100	PI/2 BPSK	135	0		13.51		14.5
100	PI/2 BPSK	135	69		13.52		14.5
100	PI/2 BPSK	135	138		13.50		14.5
100	PI/2 BPSK	270	0		13.48		
100	QPSK	1	1		13.51		14.5
100	QPSK	1	137		13.46		
100	QPSK	1	271		13.50		
100	QPSK	135	0		13.47		14.5
100	QPSK	135	69		13.45		
100	QPSK	135	138		13.49		
100	QPSK	270	0		13.47		14.5
100	16QAM	1	1		13.50		14.5
100	64QAM	1	1		13.50		14.5
100	256QAM	1	1		13.47		14.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	13.51	13.52	13.48	14.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	13.46	13.48	13.40	14.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	13.46	13.48	13.44	14.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	13.47	13.42	13.42	14.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	13.42	13.48	13.39	14.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	13.44	13.49	13.42	14.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	13.42	13.43	13.42	14.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	13.42	13.48	13.41	14.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	13.47	13.45	13.39	14.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	13.47	13.43	13.41	14.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	13.41	13.42	13.43	14.5



<FR1 n77_Ant 1_Default Power>

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		12.78		13.0
100	PI/2 BPSK	1	137		12.58		
100	PI/2 BPSK	1	271		12.51		
100	PI/2 BPSK	135	0		12.49		13.0
100	PI/2 BPSK	135	69		12.64		13.0
100	PI/2 BPSK	135	138		12.61		13.0
100	PI/2 BPSK	270	0		12.67		
100	QPSK	1	1		12.54		13.0
100	QPSK	1	137		12.54		
100	QPSK	1	271		12.50		
100	QPSK	135	0		12.56		13.0
100	QPSK	135	69		12.64		
100	QPSK	135	138		12.58		
100	QPSK	270	0		12.51		13.0
100	16QAM	1	1		12.61		13.0
100	64QAM	1	1		12.54		13.0
100	256QAM	1	1		12.48		13.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	12.70	12.60	12.29	13.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	12.73	12.50	12.36	13.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	12.60	12.53	12.30	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	12.69	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	12.60	12.53	12.35	13.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	12.58	12.72	12.39	13.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	12.68	12.53	12.31	13.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	12.69	12.53	12.29	13.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	12.67	12.50	12.29	13.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	12.58	12.61	12.29	13.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	12.58	12.64	12.24	13.0



<FR1 n77_Ant 3_Default Power>

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		11.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		10.61		
100	PI/2 BPSK	1	137		10.36		
100	PI/2 BPSK	1	271		10.41		
100	PI/2 BPSK	135	0		10.41		11.5
100	PI/2 BPSK	135	69		10.43		11.5
100	PI/2 BPSK	135	138		10.36		11.5
100	PI/2 BPSK	270	0		10.48		
100	QPSK	1	1		10.45		11.5
100	QPSK	1	137		10.35		
100	QPSK	1	271		10.52		
100	QPSK	135	0		10.49		11.5
100	QPSK	135	69		10.55		
100	QPSK	135	138		10.40		
100	QPSK	270	0		10.40		11.5
100	16QAM	1	1		10.47		11.5
100	64QAM	1	1		10.51		11.5
100	256QAM	1	1		10.44		11.5
Channel				633000	633332	633666	11.5
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	10.48	10.42	10.41	11.5
Channel				632668	633332	634000	11.5
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	10.42	10.38	10.39	11.5
Channel				632334	633332	634332	11.5
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	10.41	10.39	10.35	11.5
Channel				632000	633332	634666	11.5
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	10.45	10.35	10.32	11.5
Channel				631668	633332	635000	11.5
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	10.44	10.42	10.33	11.5
Channel				631334	633332	635332	11.5
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	10.42	10.40	10.27	11.5
Channel				631000	633332	635666	11.5
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	10.40	10.33	10.32	11.5
Channel				630834	633332	635832	11.5
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	10.35	10.31	10.30	11.5
Channel				630668	633332	636000	11.5
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	10.22	10.18	10.27	11.5
Channel				630500	633332	636166	11.5
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	10.18	10.10	10.22	11.5
Channel				630334	633332	636332	11.5
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	10.16	10.18	10.19	11.5



<FR1 n77_HPUE_Ant 0_Default Power>

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		25.74		27.0
100	PI/2 BPSK	1	137		25.53		
100	PI/2 BPSK	1	271		25.67		
100	PI/2 BPSK	135	0		24.99		26.5
100	PI/2 BPSK	135	69		25.49		27.0
100	PI/2 BPSK	135	138		25.13		26.5
100	PI/2 BPSK	270	0		25.06		
100	QPSK	1	1		25.52		26.5
100	QPSK	1	137		25.58		
100	QPSK	1	271		25.72		
100	QPSK	135	0		24.56		26.5
100	QPSK	135	69		25.55		
100	QPSK	135	138		24.52		
100	QPSK	270	0		24.52		26.5
100	16QAM	1	1		24.61		26.0
100	64QAM	1	1		23.00		24.5
100	256QAM	1	1		20.82		22.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.52	25.49	25.41	27.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.52	25.55	25.57	27.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.64	25.71	25.49	27.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.70	25.49	25.54	27.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.64	25.61	25.44	27.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.63	25.45	25.49	27.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.52	25.73	25.49	27.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.72	25.61	25.46	27.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.66	25.60	25.46	27.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.45	25.59	25.40	27.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.46	25.48	25.38	27.0



<FR1 n77_PC1.5_Ant 0_Default Power>

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		25.31		26.0
100	PI/2 BPSK	1	137		25.18		
100	PI/2 BPSK	1	271		25.14		
100	PI/2 BPSK	135	0		25.20		26.0
100	PI/2 BPSK	135	69		25.16		26.0
100	PI/2 BPSK	135	138		25.21		26.0
100	PI/2 BPSK	270	0		25.10		
100	QPSK	1	1		24.92		26.0
100	QPSK	1	137		25.06		
100	QPSK	1	271		25.12		
100	QPSK	135	0		25.13		26.0
100	QPSK	135	69		25.11		
100	QPSK	135	138		25.16		
100	QPSK	270	0		25.10		26.0
100	16QAM	1	1		25.18		26.0
100	64QAM	1	1		25.20		26.0
100	256QAM	1	1		24.25		25.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.24	25.16	25.11	26.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.01	24.92	24.96	26.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.18	25.10	25.13	26.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.12	25.08	25.14	26.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.11	25.03	25.02	26.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.18	25.12	25.09	26.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.11	25.13	25.15	26.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.12	25.11	25.16	26.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.13	25.12	25.20	26.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.13	25.17	25.16	26.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.12	25.13	25.11	26.0



<FR1 n77_HPUE_Ant 0_Reduced Power>

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		19.76		20.5
100	PI/2 BPSK	1	137		19.58		
100	PI/2 BPSK	1	271		19.59		
100	PI/2 BPSK	135	0		18.95		20.5
100	PI/2 BPSK	135	69		19.51		20.5
100	PI/2 BPSK	135	138		19.17		20.5
100	PI/2 BPSK	270	0		19.11		
100	QPSK	1	1		19.53		20.5
100	QPSK	1	137		19.55		
100	QPSK	1	271		19.69		
100	QPSK	135	0		19.62		20.5
100	QPSK	135	69		19.49		
100	QPSK	135	138		19.58		
100	QPSK	270	0		19.52		20.5
100	16QAM	1	1		19.60		20.5
100	64QAM	1	1		19.51		20.5
100	256QAM	1	1		19.57		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.53	19.50	19.43	20.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.58	19.46	19.52	20.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.51	19.51	19.49	20.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.40	19.53	19.39	20.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1				20.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.44	19.59	19.43	20.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.51	19.55	19.55	20.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.44	19.48	19.45	20.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.58	19.39	19.57	20.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.54	19.45	19.52	20.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.41	19.39	19.42	20.5



<FR1 n77_PC1.5_Ant 0_Reduced Power>

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		18.76		19.5
100	PI/2 BPSK	1	137		18.60		
100	PI/2 BPSK	1	271		18.59		
100	PI/2 BPSK	135	0		18.58		19.5
100	PI/2 BPSK	135	69		18.65		19.5
100	PI/2 BPSK	135	138		18.59		19.5
100	PI/2 BPSK	270	0		18.57		
100	QPSK	1	1		18.66		19.5
100	QPSK	1	137		18.59		
100	QPSK	1	271		18.62		
100	QPSK	135	0		18.64		19.5
100	QPSK	135	69		18.56		
100	QPSK	135	138		18.61		
100	QPSK	270	0		18.63		19.5
100	16QAM	1	1		18.66		19.5
100	64QAM	1	1		18.61		19.5
100	256QAM	1	1		18.60		19.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.57	18.69	18.67	19.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.41	18.57	18.54	19.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.39	18.56	18.51	19.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.46	18.54	18.54	19.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.44	18.56	18.48	19.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.37	18.50	18.47	19.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.38	18.52	18.53	19.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.37	18.59	18.48	19.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.45	18.51	18.49	19.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.37	18.59	18.57	19.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.45	18.57	18.54	19.5



<FR1 n77_HPUE_Ant 2_Default Power>

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		25.62		27.0
100	PI/2 BPSK	1	137		25.52		
100	PI/2 BPSK	1	271		25.59		
100	PI/2 BPSK	135	0		25.04		26.5
100	PI/2 BPSK	135	69		25.56		27.0
100	PI/2 BPSK	135	138		25.00		26.5
100	PI/2 BPSK	270	0		25.02		
100	QPSK	1	1		25.56		27.0
100	QPSK	1	137		25.48		
100	QPSK	1	271		25.47		
100	QPSK	135	0		24.61		26.0
100	QPSK	135	69		25.49		27.0
100	QPSK	135	138		24.47		26
100	QPSK	270	0		24.59		26.0
100	16QAM	1	1		24.68		26.0
100	64QAM	1	1		23.10		24.5
100	256QAM	1	1		21.15		22.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.59	25.50	25.43	27.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.34	25.35	25.61	27.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.60	25.40	25.44	27.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.50	25.55	25.36	27.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.48	25.32	25.58	27.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.59	25.60	25.37	27.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.37	25.51	25.39	27.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.44	25.46	25.34	27.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.51	25.61	25.42	27.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.48	25.45	25.58	27.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.38	25.38	25.48	27.0



<FR1 n77_PC1.5_Ant 2_Default Power>

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		25.28		26.0
100	PI/2 BPSK	1	137		25.07		
100	PI/2 BPSK	1	271		25.10		
100	PI/2 BPSK	135	0		25.20		26.0
100	PI/2 BPSK	135	69		25.21		26.0
100	PI/2 BPSK	135	138		25.06		26.0
100	PI/2 BPSK	270	0		25.11		
100	QPSK	1	1		25.24		26.0
100	QPSK	1	137		25.19		
100	QPSK	1	271		25.06		
100	QPSK	135	0		25.18		26.0
100	QPSK	135	69		25.22		
100	QPSK	135	138		25.01		
100	QPSK	270	0		25.20		26.0
100	16QAM	1	1		24.62		25.5
100	64QAM	1	1		23.35		24.0
100	256QAM	1	1		21.29		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.06	25.19	25.11	26.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.01	25.13	25.01	26.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.98	25.12	25.04	26.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.03	25.09	25.10	26.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.97	25.11	25.03	26.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.03	25.10	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	25.00	25.12	25.10	26.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.02	25.12	25.10	26.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.00	25.16	25.10	26.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.05	25.16	25.08	26.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.96	25.18	25.05	26.0



<FR1 n77_HPUE_Ant 2_Reduced Power>

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		16.58		17.5
100	PI/2 BPSK	1	137		16.40		
100	PI/2 BPSK	1	271		16.41		
100	PI/2 BPSK	135	0		16.43		17.5
100	PI/2 BPSK	135	69		16.47		17.5
100	PI/2 BPSK	135	138		16.43		17.5
100	PI/2 BPSK	270	0		16.42		
100	QPSK	1	1		16.42		17.5
100	QPSK	1	137		16.46		
100	QPSK	1	271		16.42		
100	QPSK	135	0		16.38		17.5
100	QPSK	135	69		16.47		17.5
100	QPSK	135	138		16.41		17.5
100	QPSK	270	0		16.45		17.5
100	16QAM	1	1		16.38		17.5
100	64QAM	1	1		16.38		17.5
100	256QAM	1	1		16.48		17.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	16.42	16.51	16.43	17.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.38	16.47	16.33	17.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.36	16.44	16.36	17.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.32	16.46	16.39	17.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.36	16.48	16.35	17.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.32	16.43	16.34	17.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.34	16.46	16.41	17.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	16.40	16.45	16.36	17.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.33	16.45	16.33	17.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	16.36	16.47	16.42	17.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.38	16.45	16.34	17.5



<FR1 n77_PC1.5_Ant 2_Reduced Power>

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		15.66		16.5
100	PI/2 BPSK	1	137		15.51		
100	PI/2 BPSK	1	271		15.47		
100	PI/2 BPSK	135	0		15.50		16.5
100	PI/2 BPSK	135	69		15.53		16.5
100	PI/2 BPSK	135	138		15.46		16.5
100	PI/2 BPSK	270	0		15.51		
100	QPSK	1	1		15.46		16.5
100	QPSK	1	137		15.49		
100	QPSK	1	271		15.50		
100	QPSK	135	0		15.46		16.5
100	QPSK	135	69		15.55		
100	QPSK	135	138		15.50		
100	QPSK	270	0		15.52		16.5
100	16QAM	1	1		15.51		16.5
100	64QAM	1	1		15.48		16.5
100	256QAM	1	1		15.56		16.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	15.41	15.57	15.48	16.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	15.22	15.40	15.32	16.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	15.31	15.47	15.35	16.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	15.26	15.47	15.32	16.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	15.21	15.46	15.31	16.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	15.30	15.37	15.37	16.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	15.23	15.37	15.33	16.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	15.28	15.42	15.32	16.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	15.30	15.45	15.32	16.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	15.21	15.40	15.34	16.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	15.28	15.45	15.38	16.5



<FR1 n77_HPUE_Ant 1_Default Power>

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		14.56		16.0
100	PI/2 BPSK	1	137		14.38		
100	PI/2 BPSK	1	271		14.40		
100	PI/2 BPSK	135	0		14.37		16.0
100	PI/2 BPSK	135	69		14.44		16.0
100	PI/2 BPSK	135	138		14.42		16.0
100	PI/2 BPSK	270	0		14.42		
100	QPSK	1	1		14.37		16.0
100	QPSK	1	137		14.40		
100	QPSK	1	271		14.46		
100	QPSK	135	0		14.39		16.0
100	QPSK	135	69		14.39		
100	QPSK	135	138		14.41		
100	QPSK	270	0		14.42		16.0
100	16QAM	1	1		14.46		16.0
100	64QAM	1	1		14.45		16.0
100	256QAM	1	1		14.44		16.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	14.41	14.43	14.31	16.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	14.33	14.42	14.29	16.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	14.31	14.38	14.30	16.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	14.35	14.40	14.26	16.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	14.33	14.42	14.30	16.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	14.38	14.40	14.25	16.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	14.31	14.34	14.21	16.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	14.39	14.41	14.28	16.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	14.35	14.41	14.27	16.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	14.39	14.34	14.22	16.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	14.31	14.42	14.29	16.0



<FR1 n77_PC1.5_Ant 1_Default Power>

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		14.50		15.0
100	PI/2 BPSK	1	137		14.38		
100	PI/2 BPSK	1	271		14.30		
100	PI/2 BPSK	135	0		14.27		15.0
100	PI/2 BPSK	135	69		14.43		15.0
100	PI/2 BPSK	135	138		14.32		15.0
100	PI/2 BPSK	270	0		14.42		
100	QPSK	1	1		14.32		15.0
100	QPSK	1	137		14.32		
100	QPSK	1	271		14.37		
100	QPSK	135	0		14.34		15.0
100	QPSK	135	69		14.35		
100	QPSK	135	138		14.39		
100	QPSK	270	0		14.38		15.0
100	16QAM	1	1		14.46		15.0
100	64QAM	1	1		14.38		15.0
100	256QAM	1	1		14.34		15.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	14.42	14.37	14.35	15.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	14.38	14.39	14.32	15.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	14.35	14.36	14.30	15.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	14.31	14.32	14.29	15.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	14.25	14.29	14.21	15.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	14.22	14.21	14.18	15.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	14.18	14.23	14.22	15.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	14.21	14.27	14.25	15.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	14.25	14.29	14.25	15.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	14.28	14.31	14.27	15.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	14.27	14.21	14.20	15.0



<FR1 n77_HPUE_Ant 3_Default Power>

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		14.35		14.5
100	PI/2 BPSK	1	137		14.23		
100	PI/2 BPSK	1	271		14.16		
100	PI/2 BPSK	135	0		14.11		14.5
100	PI/2 BPSK	135	69		14.25		14.5
100	PI/2 BPSK	135	138		14.17		14.5
100	PI/2 BPSK	270	0		14.17		
100	QPSK	1	1		14.24		14.5
100	QPSK	1	137		14.25		
100	QPSK	1	271		14.17		
100	QPSK	135	0		14.23		14.5
100	QPSK	135	69		14.25		
100	QPSK	135	138		14.20		
100	QPSK	270	0		14.17		14.5
100	16QAM	1	1		14.20		14.5
100	64QAM	1	1		14.22		14.5
100	256QAM	1	1		14.25		14.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	14.19	14.25	14.21	14.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	14.14	14.15	14.17	14.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	14.14	14.15	14.13	14.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	14.16	14.17	14.18	14.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	14.13	14.18	14.11	14.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	14.11	14.20	14.15	14.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	14.17	14.15	14.16	14.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	14.11	14.24	14.13	14.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	14.12	14.19	14.15	14.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	14.11	14.16	14.19	14.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	14.17	14.19	14.15	14.5



<FR1 n77_PC1.5_Ant 3_Default Power>

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		13.45		13.5
100	PI/2 BPSK	1	137		13.29		
100	PI/2 BPSK	1	271		13.26		
100	PI/2 BPSK	135	0		13.32		13.5
100	PI/2 BPSK	135	69		13.33		13.5
100	PI/2 BPSK	135	138		13.25		13.5
100	PI/2 BPSK	270	0		13.26		
100	QPSK	1	1		13.27		13.5
100	QPSK	1	137		13.25		
100	QPSK	1	271		13.32		
100	QPSK	135	0		13.30		13.5
100	QPSK	135	69		13.32		
100	QPSK	135	138		13.30		
100	QPSK	270	0		13.31		13.5
100	16QAM	1	1		13.27		13.5
100	64QAM	1	1		13.33		13.5
100	256QAM	1	1		13.35		13.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	13.35	13.41	13.38	13.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	13.25	13.26	13.22	13.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	13.17	13.28	13.22	13.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	13.22	13.22	13.23	13.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	13.19	13.24	13.25	13.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	13.20	13.23	13.27	13.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	13.19	13.31	13.22	13.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	13.22	13.29	13.19	13.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	13.19	13.27	13.26	13.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	13.19	13.26	13.25	13.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	13.24	13.29	13.24	13.5



<FR1 n78_Ant 0_Default Power>

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		23.67		24.0
100	PI/2 BPSK	1	137		23.59		
100	PI/2 BPSK	1	271		23.42		
100	PI/2 BPSK	135	0		23.48		24.0
100	PI/2 BPSK	135	69		23.51		24.0
100	PI/2 BPSK	135	138		23.38		24.0
100	PI/2 BPSK	270	0		23.45		
100	QPSK	1	1		23.47		24.0
100	QPSK	1	137		23.52		
100	QPSK	1	271		23.40		
100	QPSK	135	0		23.49		24.0
100	QPSK	135	69		23.46		
100	QPSK	135	138		23.42		
100	QPSK	270	0		23.44		24.0
100	16QAM	1	1		23.61		24.0
100	64QAM	1	1		23.42		24.0
100	256QAM	1	1		21.28		22.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.60	23.57	23.53	24.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.49	23.60	23.65	24.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.54	23.62	23.47	24.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.50	23.65	23.57	24.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.65	23.54	23.64	24.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.48	23.52	23.59	24.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.51	23.47	23.52	24.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	23.56	23.52	23.66	24.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.66	23.52	23.64	24.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.57	23.56	23.49	24.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.58	23.66	23.57	24.0



<FR1 n78_Ant 0_Reduced Power>

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		17.26		17.5
100	PI/2 BPSK	1	137		17.17		
100	PI/2 BPSK	1	271		16.86		
100	PI/2 BPSK	135	0		16.88		17.5
100	PI/2 BPSK	135	69		16.91		17.5
100	PI/2 BPSK	135	138		16.77		17.5
100	PI/2 BPSK	270	0		17.02		
100	QPSK	1	1		16.91		17.5
100	QPSK	1	137		17.04		
100	QPSK	1	271		16.83		
100	QPSK	135	0		17.08		17.5
100	QPSK	135	69		16.86		
100	QPSK	135	138		16.96		
100	QPSK	270	0		16.99		17.5
100	16QAM	1	1		17.19		17.5
100	64QAM	1	1		16.89		17.5
100	256QAM	1	1		17.01		17.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	17.11	17.09	17.19	17.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	17.25	17.07	17.10	17.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	17.06	17.15	17.14	17.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	17.06	17.20	17.25	17.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	17.23	17.13	17.25	17.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	17.11	17.25	17.06	17.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	17.23	17.22	17.11	17.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	17.25	17.21	17.15	17.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	17.14	17.06	17.13	17.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	17.13	17.08	17.20	17.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	17.24	17.15	17.19	17.5



<FR1 n78_Ant 2_Default Power>

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		23.25		24.0
100	PI/2 BPSK	1	137		23.21		
100	PI/2 BPSK	1	271		23.12		
100	PI/2 BPSK	135	0		23.23		24.0
100	PI/2 BPSK	135	69		23.21		24.0
100	PI/2 BPSK	135	138		23.15		24.0
100	PI/2 BPSK	270	0		23.22		
100	QPSK	1	1		23.11		24.0
100	QPSK	1	137		23.21		
100	QPSK	1	271		23.01		
100	QPSK	135	0		23.24		24.0
100	QPSK	135	69		23.21		
100	QPSK	135	138		23.12		
100	QPSK	270	0		23.21		24.0
100	16QAM	1	1		23.21		24.0
100	64QAM	1	1		23.23		24.0
100	256QAM	1	1		20.94		22.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.01	23.17	23.00	24.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.19	22.99	22.99	24.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.06	23.18	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	23.20	23.16	23.11	24.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.19	23.08	23.00	24.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.10	23.00	23.01	24.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.24	23.20	23.20	24.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	23.19	23.13	23.03	24.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.24	23.16	23.14	24.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.18	23.11	23.19	24.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	22.97	23.18	23.24	24.0



<FR1 n78_Ant 2_Reduced Power>

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		13.71		14.5
100	PI/2 BPSK	1	137		13.60		
100	PI/2 BPSK	1	271		13.57		
100	PI/2 BPSK	135	0		13.61		14.5
100	PI/2 BPSK	135	69		13.57		14.5
100	PI/2 BPSK	135	138		13.55		14.5
100	PI/2 BPSK	270	0		13.53		
100	QPSK	1	1		13.59		14.5
100	QPSK	1	137		13.55		
100	QPSK	1	271		13.56		
100	QPSK	135	0		13.55		14.5
100	QPSK	135	69		13.61		
100	QPSK	135	138		13.51		
100	QPSK	270	0		13.56		14.5
100	16QAM	1	1		13.51		14.5
100	64QAM	1	1		13.51		14.5
100	256QAM	1	1		13.51		14.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	13.56	13.57	13.54	14.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	13.52	13.51	13.53	14.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	13.50	13.52	13.49	14.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	13.48	13.52	13.48	14.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	13.55	13.55	13.53	14.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	13.47	13.48	13.50	14.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	13.52	13.51	13.45	14.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	13.50	13.52	13.53	14.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	13.47	13.49	13.50	14.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	13.50	13.52	13.49	14.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	13.50	13.48	13.45	14.5



<FR1 n78_Ant 1_Default Power>

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		12.86		13.0
100	PI/2 BPSK	1	137		12.79		
100	PI/2 BPSK	1	271		12.70		
100	PI/2 BPSK	135	0		12.78		13.0
100	PI/2 BPSK	135	69		12.79		13.0
100	PI/2 BPSK	135	138		12.72		13.0
100	PI/2 BPSK	270	0		12.73		
100	QPSK	1	1		12.74		13.0
100	QPSK	1	137		12.71		
100	QPSK	1	271		12.76		
100	QPSK	135	0		12.71		13.0
100	QPSK	135	69		12.73		
100	QPSK	135	138		12.64		
100	QPSK	270	0		12.69		13.0
100	16QAM	1	1		12.75		13.0
100	64QAM	1	1		12.73		13.0
100	256QAM	1	1		12.80		13.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	12.77	12.75	12.68	13.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	12.68	12.69	12.65	13.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	12.61	12.72	12.65	13.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	12.57	12.68	12.62	13.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	12.66	12.70	12.71	13.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	12.57	12.68	12.70	13.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	12.68	12.73	12.72	13.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	12.62	12.65	12.66	13.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	12.57	12.73	12.85	13.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	12.62	12.76	12.55	13.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	12.70	12.72	12.66	13.0



<FR1 n78_Ant 3_Default Power>

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		10.92		11.5
100	PI/2 BPSK	1	137		10.83		
100	PI/2 BPSK	1	271		10.90		
100	PI/2 BPSK	135	0		10.84		11.5
100	PI/2 BPSK	135	69		10.89		11.5
100	PI/2 BPSK	135	138		10.71		11.5
100	PI/2 BPSK	270	0		10.75		
100	QPSK	1	1		10.78		11.5
100	QPSK	1	137		10.73		
100	QPSK	1	271		10.85		
100	QPSK	135	0		10.86		11.5
100	QPSK	135	69		10.75		
100	QPSK	135	138		10.75		
100	QPSK	270	0		10.84		11.5
100	16QAM	1	1		10.80		11.5
100	64QAM	1	1		10.81		11.5
100	256QAM	1	1		10.85		11.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	10.73	10.72	10.68	11.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	10.66	10.68	10.62	11.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	10.57	10.62	10.57	11.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	10.48	10.49	10.50	11.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	10.63	10.62	10.65	11.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	10.57	10.59	10.54	11.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	10.49	10.42	10.43	11.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	10.45	10.40	10.45	11.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	10.62	10.57	10.59	11.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	10.63	10.65	10.75	11.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	10.59	10.62	10.68	11.5



<FR1 n78_HPUE_Ant 0_Default Power>

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		26.15		27.0
100	PI/2 BPSK	1	137		26.09		
100	PI/2 BPSK	1	271		26.12		
100	PI/2 BPSK	135	0		25.34		26.5
100	PI/2 BPSK	135	69		25.34		27.0
100	PI/2 BPSK	135	138		25.59		26.5
100	PI/2 BPSK	270	0		25.45		
100	QPSK	1	1		25.81		27.0
100	QPSK	1	137		26.06		
100	QPSK	1	271		26.00		
100	QPSK	135	0		25.16		27.0
100	QPSK	135	69		25.18		
100	QPSK	135	138		25.05		
100	QPSK	270	0		24.91		26.0
100	16QAM	1	1		24.51		26.0
100	64QAM	1	1		23.30		24.5
100	256QAM	1	1		21.46		22.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	26.04	26.00	26.05	27.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	25.97	26.09	26.07	27.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	26.09	26.13	26.13	27.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	26.02	26.01	26.05	27.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	26.00	25.96	26.14	27.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	26.01	25.99	26.01	27.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	26.05	26.04	26.01	27.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	25.95	26.01	26.05	27.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	26.05	25.97	25.97	27.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	25.99	26.06	26.01	27.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	25.95	25.97	25.98	27.0



<FR1 n78_PC1.5_Ant 0_Default Power>

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		25.26		26.0
100	PI/2 BPSK	1	137		25.16		
100	PI/2 BPSK	1	271		25.14		
100	PI/2 BPSK	135	0		25.20		26.0
100	PI/2 BPSK	135	69		25.10		26.0
100	PI/2 BPSK	135	138		25.10		26.0
100	PI/2 BPSK	270	0		25.02		
100	QPSK	1	1		24.92		26.0
100	QPSK	1	137		25.04		
100	QPSK	1	271		25.00		
100	QPSK	135	0		25.12		26.0
100	QPSK	135	69		24.97		
100	QPSK	135	138		25.03		
100	QPSK	270	0		25.10		26.0
100	16QAM	1	1		25.17		26.0
100	64QAM	1	1		25.12		26.0
100	256QAM	1	1		24.18		25.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	25.20	25.10	25.14	26.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	25.12	25.06	25.10	26.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.10	25.04	25.08	26.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	25.09	25.02	25.04	26.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	25.11	25.04	25.01	26.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.04	25.11	25.06	26.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	25.03	25.10	25.04	26.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	25.06	25.01	25.02	26.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	25.01	25.04	25.11	26.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	25.03	25.02	25.16	26.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	25.09	25.01	25.10	26.0



<FR1 n78_HPUE_Ant 0_Reduced Power>

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		20.23		20.5
100	PI/2 BPSK	1	137		20.05		
100	PI/2 BPSK	1	271		20.07		
100	PI/2 BPSK	135	0		19.92		20.5
100	PI/2 BPSK	135	69		19.91		20.5
100	PI/2 BPSK	135	138		19.79		20.5
100	PI/2 BPSK	270	0		19.82		
100	QPSK	1	1		19.85		20.5
100	QPSK	1	137		19.94		
100	QPSK	1	271		20.03		
100	QPSK	135	0		19.72		20.5
100	QPSK	135	69		19.83		
100	QPSK	135	138		19.99		
100	QPSK	270	0		19.68		20.5
100	16QAM	1	1		19.70		20.5
100	64QAM	1	1		19.72		20.5
100	256QAM	1	1		19.73		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	20.04	20.17	20.14	20.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	20.08	20.21	20.15	20.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	20.21	20.05	20.07	20.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	20.04	20.21	20.10	20.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	20.11	20.04	20.13	20.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	20.04	20.07	20.10	20.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	20.19	20.20	20.07	20.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	20.22	20.03	20.13	20.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	20.08	20.11	20.13	20.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	20.11	20.16	20.22	20.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	20.19	20.14	20.17	20.5



<FR1 n78_PC1.5_Ant 0_Reduced Power>

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		19.21		19.5
100	PI/2 BPSK	1	137		19.02		
100	PI/2 BPSK	1	271		19.08		
100	PI/2 BPSK	135	0		19.10		19.5
100	PI/2 BPSK	135	69		19.11		19.5
100	PI/2 BPSK	135	138		19.03		19.5
100	PI/2 BPSK	270	0		19.01		
100	QPSK	1	1		19.04		19.5
100	QPSK	1	137		19.09		
100	QPSK	1	271		19.06		
100	QPSK	135	0		19.01		19.5
100	QPSK	135	69		19.08		
100	QPSK	135	138		19.07		
100	QPSK	270	0		19.08		19.5
100	16QAM	1	1		19.05		19.5
100	64QAM	1	1		19.09		19.5
100	256QAM	1	1		19.01		19.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	19.05	19.15	19.11	19.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	18.86	18.96	19.01	19.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	18.86	19.03	18.99	19.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	18.86	18.97	18.91	19.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	18.88	18.97	18.97	19.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	18.90	18.95	18.94	19.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	18.90	18.99	19.00	19.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	18.92	18.96	18.97	19.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	18.90	19.01	18.99	19.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	18.89	19.05	18.96	19.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	18.93	19.00	18.92	19.5



<FR1 n78_HPUE_Ant 2_Default Power>

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		25.73		27.0
100	PI/2 BPSK	1	137		25.69		
100	PI/2 BPSK	1	271		25.62		
100	PI/2 BPSK	135	0		25.27		26.5
100	PI/2 BPSK	135	69		25.70		27.0
100	PI/2 BPSK	135	138		25.13		26.5
100	PI/2 BPSK	270	0		25.15		
100	QPSK	1	1		25.68		27.0
100	QPSK	1	137		25.69		
100	QPSK	1	271		25.63		
100	QPSK	135	0		24.73		26.0
100	QPSK	135	69		25.71		27.0
100	QPSK	135	138		24.57		26
100	QPSK	270	0		24.62		26.0
100	16QAM	1	1		24.69		26.0
100	64QAM	1	1		23.43		25.0
100	256QAM	1	1		20.96		22.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	25.57	25.63	25.53	27.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	25.51	25.55	25.50	27.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.52	25.59	25.43	27.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	25.52	25.56	25.51	27.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	25.50	25.60	25.49	27.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.52	25.53	25.46	27.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	25.49	25.55	25.45	27.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	25.49	25.61	25.49	27.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	25.53	25.60	25.46	27.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	25.49	25.61	25.48	27.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	25.52	25.60	25.44	27.0



<FR1 n78_PC1.5_Ant 2_Default Power>

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		25.16		26.0
100	PI/2 BPSK	1	137		24.96		
100	PI/2 BPSK	1	271		24.99		
100	PI/2 BPSK	135	0		25.01		26.0
100	PI/2 BPSK	135	69		25.05		26.0
100	PI/2 BPSK	135	138		24.96		26.0
100	PI/2 BPSK	270	0		24.99		
100	QPSK	1	1		25.02		26.0
100	QPSK	1	137		25.01		
100	QPSK	1	271		25.01		
100	QPSK	135	0		25.04		26.0
100	QPSK	135	69		25.01		
100	QPSK	135	138		25.00		
100	QPSK	270	0		25.05		26.0
100	16QAM	1	1		24.47		25.5
100	64QAM	1	1		23.09		24.0
100	256QAM	1	1		21.07		22.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	24.99	25.11	25.05	26.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	24.92	25.08	24.99	26.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.90	25.09	24.99	26.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	24.89	25.03	24.96	26.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	24.89	25.03	25.03	26.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.93	25.05	24.96	26.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	24.93	25.05	25.03	26.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	24.91	25.09	24.97	26.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	24.97	25.09	24.96	26.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	24.96	25.06	25.01	26.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	24.95	25.07	25.03	26.0



<FR1 n78_HPUE_Ant 2_Reduced Power>

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		16.61		17.5
100	PI/2 BPSK	1	137		16.45		
100	PI/2 BPSK	1	271		16.49		
100	PI/2 BPSK	135	0		16.43		17.5
100	PI/2 BPSK	135	69		16.43		17.5
100	PI/2 BPSK	135	138		16.48		17.5
100	PI/2 BPSK	270	0		16.44		
100	QPSK	1	1		16.50		17.5
100	QPSK	1	137		16.50		
100	QPSK	1	271		16.48		
100	QPSK	135	0		16.47		17.5
100	QPSK	135	69		16.42		17.5
100	QPSK	135	138		16.50		17.5
100	QPSK	270	0		16.49		17.5
100	16QAM	1	1		16.43		17.5
100	64QAM	1	1		16.50		17.5
100	256QAM	1	1		16.47		17.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	16.43	16.53	16.47	17.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	16.33	16.47	16.41	17.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	16.40	16.43	16.44	17.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	16.41	16.46	16.40	17.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	16.38	16.49	16.41	17.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	16.36	16.50	16.43	17.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	16.35	16.43	16.45	17.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	16.33	16.51	16.38	17.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	16.33	16.44	16.42	17.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	16.33	16.43	16.43	17.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	16.38	16.50	16.38	17.5



<FR1 n78_PC1.5_Ant 2_Reduced Power>

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		15.54		16.5
100	PI/2 BPSK	1	137		15.37		
100	PI/2 BPSK	1	271		15.39		
100	PI/2 BPSK	135	0		15.38		16.5
100	PI/2 BPSK	135	69		15.39		16.5
100	PI/2 BPSK	135	138		15.37		16.5
100	PI/2 BPSK	270	0		15.36		
100	QPSK	1	1		15.37		16.5
100	QPSK	1	137		15.37		
100	QPSK	1	271		15.34		
100	QPSK	135	0		15.36		16.5
100	QPSK	135	69		15.34		
100	QPSK	135	138		15.39		
100	QPSK	270	0		15.43		16.5
100	16QAM	1	1		15.38		16.5
100	64QAM	1	1		15.36		16.5
100	256QAM	1	1		15.43		16.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	15.34	15.48	15.43	16.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	15.15	15.29	15.25	16.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	15.18	15.35	15.33	16.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	15.19	15.38	15.24	16.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	15.19	15.35	15.30	16.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	15.14	15.30	15.27	16.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	15.19	15.38	15.33	16.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	15.18	15.34	15.27	16.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	15.17	15.34	15.30	16.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	15.24	15.33	15.28	16.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	15.22	15.34	15.26	16.5



<FR1 n78_HPUE_Ant 1_Default Power>

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		15.03		16.0
100	PI/2 BPSK	1	137		14.90		
100	PI/2 BPSK	1	271		14.90		
100	PI/2 BPSK	135	0		14.89		16.0
100	PI/2 BPSK	135	69		14.91		16.0
100	PI/2 BPSK	135	138		14.84		16.0
100	PI/2 BPSK	270	0		14.89		
100	QPSK	1	1		14.93		16.0
100	QPSK	1	137		14.85		
100	QPSK	1	271		14.86		
100	QPSK	135	0		14.91		16.0
100	QPSK	135	69		14.90		
100	QPSK	135	138		14.83		
100	QPSK	270	0		14.84		16.0
100	16QAM	1	1		14.86		16.0
100	64QAM	1	1		14.85		16.0
100	256QAM	1	1		14.93		16.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	14.85	14.92	14.86	16.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	14.78	14.82	14.76	16.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	14.77	14.87	14.83	16.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	14.82	14.91	14.85	16.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	14.83	14.87	14.80	16.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	14.79	14.88	14.84	16.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	14.84	14.87	14.80	16.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	14.77	14.83	14.79	16.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	14.82	14.91	14.77	16.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	14.81	14.91	14.78	16.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	14.81	14.91	14.84	16.0



<FR1 n78_PC1.5_Ant 1_Default Power>

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		14.91		15.0
100	PI/2 BPSK	1	137		14.82		
100	PI/2 BPSK	1	271		14.83		
100	PI/2 BPSK	135	0		14.85		15.0
100	PI/2 BPSK	135	69		14.89		15.0
100	PI/2 BPSK	135	138		14.74		15.0
100	PI/2 BPSK	270	0		14.87		
100	QPSK	1	1		14.89		15.0
100	QPSK	1	137		14.78		
100	QPSK	1	271		14.80		
100	QPSK	135	0		14.86		15.0
100	QPSK	135	69		14.83		
100	QPSK	135	138		14.74		
100	QPSK	270	0		14.77		15.0
100	16QAM	1	1		14.78		15.0
100	64QAM	1	1		14.75		15.0
100	256QAM	1	1		14.52		15.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	14.81	14.85	14.88	15.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	14.73	14.77	14.73	15.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	14.65	14.82	14.76	15.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	14.62	14.79	14.73	15.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	14.76	14.73	14.71	15.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	14.72	14.69	14.70	15.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	14.70	14.62	14.60	15.0
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	14.67	14.57	14.68	15.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	14.63	14.61	14.62	15.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	14.65	14.55	14.57	15.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	14.62	14.51	14.53	15.0



<FR1 n78_HPUE_Ant 3_Default Power>

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		14.21		14.5
100	PI/2 BPSK	1	137		14.05		
100	PI/2 BPSK	1	271		14.11		
100	PI/2 BPSK	135	0		14.09		14.5
100	PI/2 BPSK	135	69		14.11		14.5
100	PI/2 BPSK	135	138		14.01		14.5
100	PI/2 BPSK	270	0		14.01		
100	QPSK	1	1		14.04		14.5
100	QPSK	1	137		14.01		
100	QPSK	1	271		14.05		
100	QPSK	135	0		14.06		14.5
100	QPSK	135	69		14.04		
100	QPSK	135	138		14.03		
100	QPSK	270	0		14.09		14.5
100	16QAM	1	1		14.07		14.5
100	64QAM	1	1		14.10		14.5
100	256QAM	1	1		14.11		14.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	14.08	14.10	14.01	14.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	13.99	14.05	14.00	14.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	14.03	14.00	14.00	14.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	13.98	14.03	13.94	14.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	14.04	14.00	13.93	14.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	14.04	14.00	13.99	14.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	13.99	14.04	13.91	14.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	14.00	14.00	13.98	14.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	14.07	14.06	13.95	14.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	14.02	14.01	13.98	14.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	14.04	14.09	13.98	14.5



<FR1 n78_PC1.5_Ant 3_Default Power>

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		13.06		13.5
100	PI/2 BPSK	1	137		12.93		
100	PI/2 BPSK	1	271		12.91		
100	PI/2 BPSK	135	0		12.88		13.5
100	PI/2 BPSK	135	69		12.95		13.5
100	PI/2 BPSK	135	138		12.93		13.5
100	PI/2 BPSK	270	0		12.87		
100	QPSK	1	1		12.94		13.5
100	QPSK	1	137		12.87		
100	QPSK	1	271		12.87		
100	QPSK	135	0		12.95		13.5
100	QPSK	135	69		12.86		
100	QPSK	135	138		12.95		
100	QPSK	270	0		12.87		13.5
100	16QAM	1	1		12.88		13.5
100	64QAM	1	1		12.88		13.5
100	256QAM	1	1		12.92		13.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	12.81	12.99	12.85	13.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	12.70	12.89	12.65	13.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	12.69	12.88	12.73	13.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	12.70	12.85	12.68	13.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	12.71	12.83	12.67	13.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	12.71	12.89	12.71	13.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	12.62	12.85	12.74	13.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	12.61	12.89	12.72	13.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	12.68	12.81	12.72	13.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	12.64	12.82	12.69	13.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	12.63	12.83	12.65	13.5



<FR1 n78_Ant 0_Default Power>

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		23.57		24.0
100	PI/2 BPSK	1	137		23.47		
100	PI/2 BPSK	1	271		23.26		
100	PI/2 BPSK	135	0		23.32		24.0
100	PI/2 BPSK	135	69		23.35		24.0
100	PI/2 BPSK	135	138		23.23		24.0
100	PI/2 BPSK	270	0		23.32		
100	QPSK	1	1		23.36		24.0
100	QPSK	1	137		23.40		
100	QPSK	1	271		23.24		
100	QPSK	135	0		23.32		24.0
100	QPSK	135	69		23.32		
100	QPSK	135	138		23.32		
100	QPSK	270	0		23.30		24.0
100	16QAM	1	1		23.50		24.0
100	64QAM	1	1		23.29		24.0
100	256QAM	1	1		21.09		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.45	23.36	23.37	24.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.44	23.50	23.44	24.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.51	23.39	23.41	24.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.42	23.46	23.48	24.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.44	23.37	23.49	24.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.51	23.35	23.39	24.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.51	23.48	23.45	24.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.53	23.54	23.52	24.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.52	23.40	23.52	24.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.54	23.52	23.48	24.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.38	23.41	23.51	24.0



<FR1 n78_Ant 0_Reduced Power>

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		17.21		17.5
100	PI/2 BPSK	1	137		16.72		
100	PI/2 BPSK	1	271		16.79		
100	PI/2 BPSK	135	0		16.72		17.5
100	PI/2 BPSK	135	69		16.76		17.5
100	PI/2 BPSK	135	138		16.59		17.5
100	PI/2 BPSK	270	0		17.00		
100	QPSK	1	1		16.74		17.5
100	QPSK	1	137		16.85		
100	QPSK	1	271		16.75		
100	QPSK	135	0		16.89		17.5
100	QPSK	135	69		16.69		
100	QPSK	135	138		16.89		
100	QPSK	270	0		16.93		17.5
100	16QAM	1	1		17.07		17.5
100	64QAM	1	1		16.75		17.5
100	256QAM	1	1		16.88		17.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	16.27	16.32	16.37	17.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.36	16.28	16.34	17.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.37	16.24	16.37	17.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.29	16.33	16.37	17.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.27	16.37	16.33	17.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.31	16.28	16.39	17.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.25	16.23	16.31	17.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	16.29	16.29	16.34	17.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.35	16.41	16.28	17.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	16.37	16.40	16.34	17.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.22	16.35	16.26	17.5



<FR1 n78_Ant 2_Default Power>

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		23.02		24.0
100	PI/2 BPSK	1	137		22.98		
100	PI/2 BPSK	1	271		22.96		
100	PI/2 BPSK	135	0		22.67		24.0
100	PI/2 BPSK	135	69		22.91		24.0
100	PI/2 BPSK	135	138		22.57		24.0
100	PI/2 BPSK	270	0		22.62		
100	QPSK	1	1		22.95		24.0
100	QPSK	1	137		22.84		
100	QPSK	1	271		22.89		
100	QPSK	135	0		22.12		24.0
100	QPSK	135	69		22.88		
100	QPSK	135	138		22.07		
100	QPSK	270	0		22.11		23.0
100	16QAM	1	1		22.01		23.0
100	64QAM	1	1		20.95		21.5
100	256QAM	1	1		18.51		19.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.91	22.97	22.88	24.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.83	22.92	22.85	24.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.89	22.91	22.83	24.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.85	22.90	22.84	24.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.85	22.87	22.82	24.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.82	22.92	22.80	24.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.88	22.91	22.85	24.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	22.81	22.88	22.78	24.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.85	22.88	22.86	24.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.87	22.94	22.78	24.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.84	22.96	22.85	24.0



<FR1 n78_Ant 2_Reduced Power>

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		13.51		14.5
100	PI/2 BPSK	1	137		13.31		
100	PI/2 BPSK	1	271		13.38		
100	PI/2 BPSK	135	0		13.37		14.5
100	PI/2 BPSK	135	69		13.32		14.5
100	PI/2 BPSK	135	138		13.33		14.5
100	PI/2 BPSK	270	0		13.36		
100	QPSK	1	1		13.38		14.5
100	QPSK	1	137		13.38		
100	QPSK	1	271		13.40		
100	QPSK	135	0		13.39		14.5
100	QPSK	135	69		13.39		
100	QPSK	135	138		13.34		
100	QPSK	270	0		13.39		14.5
100	16QAM	1	1		13.36		14.5
100	64QAM	1	1		13.31		14.5
100	256QAM	1	1		13.37		14.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	13.32	13.36	13.31	14.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	13.29	13.33	13.22	14.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	13.22	13.33	13.30	14.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	13.28	13.32	13.29	14.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	13.30	13.28	13.30	14.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	13.25	13.33	13.21	14.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	13.23	13.35	13.25	14.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	13.28	13.27	13.28	14.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	13.22	13.27	13.26	14.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	13.31	13.27	13.30	14.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	13.31	13.33	13.25	14.5



<FR1 n78_Ant 1_Default Power>

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		12.38		13.0
100	PI/2 BPSK	1	137		12.30		
100	PI/2 BPSK	1	271		12.21		
100	PI/2 BPSK	135	0		12.23		13.0
100	PI/2 BPSK	135	69		12.24		13.0
100	PI/2 BPSK	135	138		12.13		13.0
100	PI/2 BPSK	270	0		12.24		
100	QPSK	1	1		12.16		13.0
100	QPSK	1	137		12.23		
100	QPSK	1	271		12.24		
100	QPSK	135	0		12.15		13.0
100	QPSK	135	69		12.23		
100	QPSK	135	138		12.27		
100	QPSK	270	0		12.22		13.0
100	16QAM	1	1		12.19		13.0
100	64QAM	1	1		12.25		13.0
100	256QAM	1	1		12.15		13.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	12.30	12.27	12.16	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	12.20	12.15	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	12.22	12.18	13.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	12.20	12.18	12.10	13.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	12.16	12.14	12.06	13.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	12.14	12.10	12.11	13.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	12.11	12.08	12.04	13.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	12.04	12.12	12.12	13.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	12.03	12.07	12.11	13.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	12.06	12.04	12.10	13.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	12.04	12.03	12.05	13.0



<FR1 n78_Ant 3_Default Power>

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		11.07		11.5
100	PI/2 BPSK	1	137		10.98		
100	PI/2 BPSK	1	271		10.89		
100	PI/2 BPSK	135	0		10.97		11.5
100	PI/2 BPSK	135	69		11.05		11.5
100	PI/2 BPSK	135	138		11.03		11.5
100	PI/2 BPSK	270	0		10.95		
100	QPSK	1	1		10.96		11.5
100	QPSK	1	137		10.92		
100	QPSK	1	271		10.95		
100	QPSK	135	0		11.02		11.5
100	QPSK	135	69		10.90		
100	QPSK	135	138		11.04		
100	QPSK	270	0		10.92		11.5
100	16QAM	1	1		10.96		11.5
100	64QAM	1	1		10.98		11.5
100	256QAM	1	1		11.03		11.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	11.02	11.04	11.03	11.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	11.01	10.99	10.85	11.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	10.85	10.92	10.91	11.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	10.87	10.90	10.85	11.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	11.01	10.88	10.82	11.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	10.83	10.82	10.75	11.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	10.79	10.77	10.72	11.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	10.85	10.83	10.70	11.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	10.79	10.85	10.85	11.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	10.75	10.89	10.79	11.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	10.79	10.88	10.75	11.5



<FR1 n78_HPUE_Ant 0_Default Power>

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		25.59		27.0
100	PI/2 BPSK	1	137		25.45		
100	PI/2 BPSK	1	271		25.52		
100	PI/2 BPSK	135	0		25.30		26.5
100	PI/2 BPSK	135	69		25.38		27.0
100	PI/2 BPSK	135	138		25.37		26.5
100	PI/2 BPSK	270	0		25.45		
100	QPSK	1	1		25.30		27.0
100	QPSK	1	137		25.36		
100	QPSK	1	271		25.50		
100	QPSK	135	0		25.12		27.0
100	QPSK	135	69		25.11		
100	QPSK	135	138		25.04		
100	QPSK	270	0		25.01		26.0
100	16QAM	1	1		24.17		26.0
100	64QAM	1	1		22.99		24.5
100	256QAM	1	1		20.91		22.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.43	25.50	25.59	27.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.50	25.55	25.55	27.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.58	25.52	25.44	27.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.47	25.49	25.53	27.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.45	25.56	25.58	27.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.50	25.41	25.47	27.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.56	25.59	25.52	27.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.41	25.52	25.47	27.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.50	25.49	25.47	27.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.45	25.52	25.51	27.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.57	25.42	25.47	27.0



<FR1 n78_PC1.5_Ant 0_Default Power>

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		25.14		
100	PI/2 BPSK	1	271		25.12		
100	PI/2 BPSK	135	0		25.03		26.0
100	PI/2 BPSK	135	69		25.08		26.0
100	PI/2 BPSK	135	138		24.95		26.0
100	PI/2 BPSK	270	0		24.82		
100	QPSK	1	1		24.83		26.0
100	QPSK	1	137		24.86		
100	QPSK	1	271		24.85		
100	QPSK	135	0		24.98		26.0
100	QPSK	135	69		24.97		
100	QPSK	135	138		24.87		
100	QPSK	270	0		25.03		26.0
100	16QAM	1	1		24.98		26.0
100	64QAM	1	1		25.03		26.0
100	256QAM	1	1		24.00		25.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.06	25.12	25.10	26.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.03	25.10	25.04	26.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.04	25.11	25.02	26.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.06	25.10	25.03	26.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.04	25.09	25.12	26.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.02	25.06	25.10	26.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.01	25.02	25.06	26.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.10	25.12	25.01	26.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.03	25.10	25.11	26.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.01	25.06	25.12	26.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.03	25.02	25.06	26.0



<FR1 n78_HPUE_Ant 0_Reduced Power>

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		19.48		20.5
100	PI/2 BPSK	1	137		19.42		
100	PI/2 BPSK	1	271		19.36		
100	PI/2 BPSK	135	0		18.61		20.5
100	PI/2 BPSK	135	69		18.64		20.5
100	PI/2 BPSK	135	138		18.67		20.5
100	PI/2 BPSK	270	0		18.85		
100	QPSK	1	1		19.10		20.5
100	QPSK	1	137		19.32		
100	QPSK	1	271		19.45		
100	QPSK	135	0		19.30		20.5
100	QPSK	135	69		19.32		
100	QPSK	135	138		19.30		
100	QPSK	270	0		19.28		20.5
100	16QAM	1	1		19.21		20.5
100	64QAM	1	1		19.20		20.5
100	256QAM	1	1		19.18		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.43	19.31	19.30	20.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.30	19.39	19.35	20.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.40	19.34	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	19.42	19.40	19.30	20.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.47	19.31	19.43	20.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.31	19.33	19.46	20.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.30	19.32	19.34	20.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.45	19.36	19.34	20.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.31	19.46	19.43	20.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.36	19.35	19.28	20.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.36	19.29	19.28	20.5



<FR1 n78_PC1.5_Ant 0_Reduced Power>

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		18.71		19.5
100	PI/2 BPSK	1	137		18.52		
100	PI/2 BPSK	1	271		18.54		
100	PI/2 BPSK	135	0		18.54		19.5
100	PI/2 BPSK	135	69		18.58		19.5
100	PI/2 BPSK	135	138		18.55		19.5
100	PI/2 BPSK	270	0		18.59		
100	QPSK	1	1		18.51		19.5
100	QPSK	1	137		18.54		
100	QPSK	1	271		18.54		
100	QPSK	135	0		18.53		19.5
100	QPSK	135	69		18.51		
100	QPSK	135	138		18.58		
100	QPSK	270	0		18.55		19.5
100	16QAM	1	1		18.57		19.5
100	64QAM	1	1		18.59		19.5
100	256QAM	1	1		18.55		19.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.57	18.65	18.61	19.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.41	18.54	18.46	19.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.43	18.47	18.49	19.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.44	18.50	18.43	19.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.46	18.55	18.48	19.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.37	18.46	18.51	19.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.44	18.47	18.48	19.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.41	18.50	18.41	19.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.44	18.53	18.42	19.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.43	18.47	18.45	19.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.37	18.54	18.45	19.5



<FR1 n78_HPUE_Ant 2_Default Power>

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		27.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.55		27.0
100	PI/2 BPSK	1	137		25.49		
100	PI/2 BPSK	1	271		25.47		
100	PI/2 BPSK	135	0		24.95		26.5
100	PI/2 BPSK	135	69		25.48		27.0
100	PI/2 BPSK	135	138		24.91		26.5
100	PI/2 BPSK	270	0		24.98		
100	QPSK	1	1		25.39		27.0
100	QPSK	1	137		25.41		
100	QPSK	1	271		25.46		
100	QPSK	135	0		24.46		26.0
100	QPSK	135	69		25.49		27
100	QPSK	135	138		24.47		26
100	QPSK	270	0		24.45		26.0
100	16QAM	1	1		24.45		26.0
100	64QAM	1	1		23.08		24.5
100	256QAM	1	1		20.90		22.5
Channel				633000	633332	633666	27.0
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.43	25.48	25.39	27.0
Channel				632668	633332	634000	27.0
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.41	25.38	25.33	27.0
Channel				632334	633332	634332	27.0
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.42	25.40	25.34	27.0
Channel				632000	633332	634666	27.0
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.33	25.41	25.30	27.0
Channel				631668	633332	635000	27.0
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.33	25.42	25.36	27.0
Channel				631334	633332	635332	27.0
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.40	25.46	25.29	27.0
Channel				631000	633332	635666	27.0
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.35	25.44	25.32	27.0
Channel				630834	633332	635832	27.0
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.39	25.41	25.32	27.0
Channel				630668	633332	636000	27.0
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.33	25.42	25.36	27.0
Channel				630500	633332	636166	27.0
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.41	25.46	25.35	27.0
Channel				630334	633332	636332	27.0
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.33	25.38	25.33	27.0



<FR1 n78_PC1.5_Ant 2_Default Power>

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		25.16		26.0
100	PI/2 BPSK	1	137		24.99		
100	PI/2 BPSK	1	271		25.05		
100	PI/2 BPSK	135	0		25.02		26.0
100	PI/2 BPSK	135	69		25.06		26.0
100	PI/2 BPSK	135	138		24.99		26.0
100	PI/2 BPSK	270	0		25.00		
100	QPSK	1	1		25.08		26.0
100	QPSK	1	137		25.01		
100	QPSK	1	271		25.00		
100	QPSK	135	0		24.97		26.0
100	QPSK	135	69		25.02		
100	QPSK	135	138		24.99		
100	QPSK	270	0		25.04		26.0
100	16QAM	1	1		24.36		25.5
100	64QAM	1	1		23.33		24.0
100	256QAM	1	1		21.16		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.96	25.06	25.01	26.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.86	24.98	24.97	26.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.86	25.05	24.96	26.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.87	25.00	24.98	26.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.90	25.03	24.99	26.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.86	25.03	24.98	26.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.92	24.99	24.96	26.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.87	24.98	24.91	26.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.89	25.05	24.96	26.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.94	24.97	24.98	26.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.95	25.05	24.94	26.0



<FR1 n78_HPUE_Ant 2_Reduced Power>

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		16.45		17.5
100	PI/2 BPSK	1	137		16.26		
100	PI/2 BPSK	1	271		16.31		
100	PI/2 BPSK	135	0		16.32		17.5
100	PI/2 BPSK	135	69		16.26		17.5
100	PI/2 BPSK	135	138		16.27		17.5
100	PI/2 BPSK	270	0		16.25		
100	QPSK	1	1		16.33		17.5
100	QPSK	1	137		16.29		
100	QPSK	1	271		16.32		
100	QPSK	135	0		16.29		17.5
100	QPSK	135	69		16.25		
100	QPSK	135	138		16.26		
100	QPSK	270	0		16.35		17.5
100	16QAM	1	1		16.30		17.5
100	64QAM	1	1		16.29		17.5
100	256QAM	1	1		16.32		17.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	16.24	16.35	16.28	17.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.15	16.32	16.26	17.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.16	16.29	16.21	17.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.20	16.29	16.19	17.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.17	16.31	16.25	17.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.22	16.25	16.22	17.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.18	16.34	16.25	17.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	16.19	16.31	16.21	17.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.18	16.29	16.22	17.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	16.16	16.33	16.23	17.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.15	16.28	16.18	17.5



<FR1 n78_PC1.5_Ant 2_Reduced Power>

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		15.61		16.5
100	PI/2 BPSK	1	137		15.51		
100	PI/2 BPSK	1	271		15.45		
100	PI/2 BPSK	135	0		15.48		16.5
100	PI/2 BPSK	135	69		15.50		16.5
100	PI/2 BPSK	135	138		15.49		16.5
100	PI/2 BPSK	270	0		15.47		
100	QPSK	1	1		15.44		16.5
100	QPSK	1	137		15.46		
100	QPSK	1	271		15.41		
100	QPSK	135	0		15.49		16.5
100	QPSK	135	69		15.41		
100	QPSK	135	138		15.46		
100	QPSK	270	0		15.42		16.5
100	16QAM	1	1		15.51		16.5
100	64QAM	1	1		15.50		16.5
100	256QAM	1	1		15.42		16.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	15.46	15.57	15.51	16.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	15.31	15.46	15.40	16.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	15.26	15.43	15.32	16.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	15.34	15.43	15.37	16.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	15.36	15.40	15.41	16.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	15.36	15.39	15.39	16.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	15.31	15.47	15.39	16.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	15.26	15.40	15.34	16.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	15.27	15.38	15.37	16.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	15.27	15.47	15.35	16.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	15.31	15.38	15.39	16.5



<FR1 n78_HPUE_Ant 1_Default Power>

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		14.51		16.0
100	PI/2 BPSK	1	137		14.40		
100	PI/2 BPSK	1	271		14.35		
100	PI/2 BPSK	135	0		14.32		16.0
100	PI/2 BPSK	135	69		14.38		16.0
100	PI/2 BPSK	135	138		14.32		16.0
100	PI/2 BPSK	270	0		14.36		
100	QPSK	1	1		14.36		16.0
100	QPSK	1	137		14.34		
100	QPSK	1	271		14.35		
100	QPSK	135	0		14.35		16.0
100	QPSK	135	69		14.33		
100	QPSK	135	138		14.37		
100	QPSK	270	0		14.33		16.0
100	16QAM	1	1		14.32		16.0
100	64QAM	1	1		14.39		16.0
100	256QAM	1	1		14.34		16.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	14.31	14.43	14.39	16.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	14.28	14.36	14.36	16.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	14.25	14.34	14.31	16.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	14.24	14.38	14.30	16.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	14.30	14.38	14.29	16.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	14.27	14.39	14.30	16.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	14.28	14.34	14.33	16.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	14.23	14.40	14.36	16.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	14.29	14.38	14.31	16.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	14.27	14.41	14.31	16.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	14.29	14.35	14.37	16.0



<FR1 n78_PC1.5_Ant 1_Default Power>

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		14.44		15.0
100	PI/2 BPSK	1	137		14.32		
100	PI/2 BPSK	1	271		14.31		
100	PI/2 BPSK	135	0		14.24		15.0
100	PI/2 BPSK	135	69		14.32		15.0
100	PI/2 BPSK	135	138		14.28		15.0
100	PI/2 BPSK	270	0		14.31		
100	QPSK	1	1		14.35		15.0
100	QPSK	1	137		14.24		
100	QPSK	1	271		14.27		
100	QPSK	135	0		14.35		15.0
100	QPSK	135	69		14.32		
100	QPSK	135	138		14.28		
100	QPSK	270	0		14.28		15.0
100	16QAM	1	1		14.25		15.0
100	64QAM	1	1		14.31		15.0
100	256QAM	1	1		14.34		15.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	14.33	14.25	14.30	15.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	14.30	14.23	14.28	15.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	14.25	14.21	14.27	15.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	14.16	14.20	14.25	15.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	14.10	14.11	14.16	15.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	14.08	14.10	14.13	15.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	14.04	14.06	14.11	15.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	14.02	14.04	14.06	15.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	14.11	14.18	14.12	15.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	14.35	14.06	14.16	15.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	14.32	14.25	14.27	15.0



<FR1 n78_HPUE_Ant 3_Default Power>

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		14.37		14.5
100	PI/2 BPSK	1	137		14.27		
100	PI/2 BPSK	1	271		14.17		
100	PI/2 BPSK	135	0		14.19		14.5
100	PI/2 BPSK	135	69		14.26		14.5
100	PI/2 BPSK	135	138		14.23		14.5
100	PI/2 BPSK	270	0		14.22		
100	QPSK	1	1		14.17		14.5
100	QPSK	1	137		14.22		
100	QPSK	1	271		14.18		
100	QPSK	135	0		14.25		14.5
100	QPSK	135	69		14.18		
100	QPSK	135	138		14.25		
100	QPSK	270	0		14.22		14.5
100	16QAM	1	1		14.22		14.5
100	64QAM	1	1		14.20		14.5
100	256QAM	1	1		14.27		14.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	14.17	14.23	14.21	14.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	14.15	14.19	14.18	14.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	14.11	14.18	14.11	14.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	14.07	14.17	14.11	14.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	14.12	14.16	14.15	14.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	14.09	14.13	14.18	14.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	14.09	14.17	14.14	14.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	14.13	14.17	14.13	14.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	14.16	14.18	14.17	14.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	14.09	14.22	14.17	14.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	14.15	14.22	14.19	14.5



<FR1 n78_PC1.5_Ant 3_Default Power>

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		13.47		13.5
100	PI/2 BPSK	1	137		13.30		
100	PI/2 BPSK	1	271		13.30		
100	PI/2 BPSK	135	0		13.27		13.5
100	PI/2 BPSK	135	69		13.28		13.5
100	PI/2 BPSK	135	138		13.26		13.5
100	PI/2 BPSK	270	0		13.30		
100	QPSK	1	1		13.26		13.5
100	QPSK	1	137		13.28		
100	QPSK	1	271		13.24		
100	QPSK	135	0		13.25		13.5
100	QPSK	135	69		13.24		
100	QPSK	135	138		13.27		
100	QPSK	270	0		13.24		13.5
100	16QAM	1	1		13.33		13.5
100	64QAM	1	1		13.31		13.5
100	256QAM	1	1		13.32		13.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	13.29	13.41	13.37	13.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	13.16	13.31	13.21	13.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	13.18	13.30	13.25	13.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	13.19	13.30	13.17	13.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	13.11	13.21	13.22	13.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	13.12	13.28	13.26	13.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	13.19	13.26	13.24	13.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	13.18	13.26	13.19	13.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	13.19	13.30	13.26	13.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	13.12	13.23	13.21	13.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	13.17	13.24	13.19	13.5



<FR1 n78_Ant 0_Default Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633334	641666	650000	
Frequency (MHz)				3500.01	3624.99	3750	
100	PI/2 BPSK	1	1	22.88	23.50	23.49	24.0
100	PI/2 BPSK	1	137	23.39	23.39	23.19	
100	PI/2 BPSK	1	271	23.14	23.26	23.08	
100	PI/2 BPSK	135	0	23.21	23.28	23.23	23.5
100	PI/2 BPSK	135	69	23.29	23.39	23.24	24.0
100	PI/2 BPSK	135	138	23.02	23.19	23.04	23.5
100	PI/2 BPSK	270	0	23.30	23.34	23.20	
100	QPSK	1	1	23.29	23.36	23.21	24.0
100	QPSK	1	137	23.35	23.42	23.33	
100	QPSK	1	271	23.06	23.23	23.08	
100	QPSK	135	0	23.33	23.38	23.34	24.0
100	QPSK	135	69	23.15	23.32	23.21	
100	QPSK	135	138	23.22	23.22	23.16	
100	QPSK	270	0	23.25	23.26	23.14	23.5
100	16QAM	1	1	23.42	23.49	23.33	23.5
100	64QAM	1	1	23.14	23.24	23.04	23.5
100	256QAM	1	1	21.11	21.11	20.95	21.5
Channel				633000	641666	650332	Tune-up limit (dBm)
Frequency (MHz)				3495	3624.99	3754.98	
90	PI/2 BPSK	1	1	22.68	23.48	23.39	24.0
Channel				632668	641666	650666	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3624.99	3759.99	
80	PI/2 BPSK	1	1	22.87	23.47	23.49	24.0
Channel				632334	641666	651000	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3624.99	3765	
70	PI/2 BPSK	1	1	22.80	23.40	23.43	24.0
Channel				632000	641666	651332	Tune-up limit (dBm)
Frequency (MHz)				3480	3624.99	3769.98	
60	PI/2 BPSK	1	1	22.77	23.30	23.34	24.0
Channel				631668	641666	651666	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3624.99	3774.99	
50	PI/2 BPSK	1	1	22.88	23.38	23.48	24.0
Channel				631334	641666	652000	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3624.99	3780	
40	PI/2 BPSK	1	1	22.82	23.34	23.43	24.0
Channel				631000	641666	652332	Tune-up limit (dBm)
Frequency (MHz)				3465	3624.99	3784.98	
30	PI/2 BPSK	1	1	22.82	23.37	23.38	24.0
Channel				630834	641666	652500	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3624.99	3787.50	
25	PI/2 BPSK	1	1	22.77	23.30	23.29	24.0
Channel				630668	641666	652666	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3624.99	3789.99	
20	PI/2 BPSK	1	1	22.76	23.49	23.46	24.0
Channel				630500	641666	652832	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3624.99	3792.48	
15	PI/2 BPSK	1	1	22.72	23.31	23.41	24.0
Channel				630334	641666	653000	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3624.99	3795	
10	PI/2 BPSK	1	1	22.85	23.45	23.47	24.0



<FR1 n77/n78_Ant 0_Default Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	23.30	23.50	23.47	24.0
100	PI/2 BPSK	1	137	23.36	23.43	23.35	
100	PI/2 BPSK	1	271	23.18	23.25	23.17	
100	PI/2 BPSK	135	0	23.29	23.29	23.27	23.5
100	PI/2 BPSK	135	69	23.19	23.36	23.21	24.0
100	PI/2 BPSK	135	138	23.26	23.28	23.15	23.5
100	PI/2 BPSK	270	0	23.21	23.32	23.13	
100	QPSK	1	1	23.23	23.37	23.19	23.5
100	QPSK	1	137	23.21	23.34	23.15	
100	QPSK	1	271	23.13	23.24	23.06	
100	QPSK	135	0	23.14	23.30	23.21	23.5
100	QPSK	135	69	23.31	23.35	23.20	
100	QPSK	135	138	23.26	23.30	23.11	
100	QPSK	270	0	23.09	23.27	23.15	23.5
100	16QAM	1	1	23.38	23.45	23.45	23.5
100	64QAM	1	1	23.25	23.31	23.28	23.5
100	256QAM	1	1	20.92	21.09	21.03	22.0
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	23.30	23.32	23.41	24.0
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	23.19	23.37	23.36	24.0
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	23.30	23.33	23.31	24.0
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	23.14	23.42	23.29	24.0
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	23.24	23.49	23.35	24.0
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	23.18	23.33	23.44	24.0
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	23.21	23.43	23.47	24.0
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	23.10	23.43	23.41	24.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	23.24	23.31	23.34	24.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	23.26	23.41	23.31	24.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	23.10	23.41	23.30	24.0



<FR1 n77/n78_PC1.5_Ant 2_Default Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1		25.13		26.0
100	PI/2 BPSK	1	137		24.95		
100	PI/2 BPSK	1	271		24.97		
100	PI/2 BPSK	135	0		25.00		26.0
100	PI/2 BPSK	135	69		25.01		26.0
100	PI/2 BPSK	135	138		24.94		26.0
100	PI/2 BPSK	270	0		24.94		
100	QPSK	1	1		25.10		26.0
100	QPSK	1	137		25.03		
100	QPSK	1	271		24.94		
100	QPSK	135	0		24.98		26.0
100	QPSK	135	69		24.97		
100	QPSK	135	138		25.00		
100	QPSK	270	0		24.93		26.0
100	16QAM	1	1		24.58		25.5
100	64QAM	1	1		23.21		24.0
100	256QAM	1	1		21.06		22.0
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	24.91	25.06	24.96	26.0
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	24.89	25.01	24.95	26.0
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	24.83	24.99	24.94	26.0
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	24.88	24.96	24.95	26.0
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	24.90	25.04	24.86	26.0
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	24.88	24.96	24.90	26.0
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	24.88	25.04	24.86	26.0
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	24.88	25.04	24.94	26.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	24.87	24.97	24.89	26.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	24.90	25.01	24.95	26.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	24.82	24.96	24.93	26.0



<FR1 n77/n78_Ant 0_Reduced Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	16.95	17.17	17.07	17.5
100	PI/2 BPSK	1	137	17.01	17.10	16.95	
100	PI/2 BPSK	1	271	16.83	16.92	16.77	
100	PI/2 BPSK	135	0	16.94	16.96	16.87	17.5
100	PI/2 BPSK	135	69	16.84	17.03	16.81	17.5
100	PI/2 BPSK	135	138	16.91	16.95	16.75	17.5
100	PI/2 BPSK	270	0	16.86	16.99	16.73	
100	QPSK	1	1	16.88	17.04	16.79	17.5
100	QPSK	1	137	16.86	17.01	16.75	
100	QPSK	1	271	16.78	16.91	16.66	
100	QPSK	135	0	16.79	16.97	16.81	17.5
100	QPSK	135	69	16.96	17.02	16.80	
100	QPSK	135	138	16.91	16.97	16.71	
100	QPSK	270	0	16.74	16.94	16.75	17.5
100	16QAM	1	1	17.03	17.12	17.05	17.5
100	64QAM	1	1	16.90	16.98	16.88	17.5
100	256QAM	1	1	16.90	16.98	16.88	17.5
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	16.92	17.13	16.90	17.5
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	16.89	16.98	17.07	17.5
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	16.84	17.04	16.92	17.5
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	16.88	17.00	17.07	17.5
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	16.77	17.10	17.02	17.5
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	16.90	17.07	17.04	17.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	16.85	17.16	16.90	17.5
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	16.88	17.16	17.06	17.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	16.75	17.16	17.02	17.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	16.78	16.98	16.99	17.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	16.90	17.15	16.98	17.5



<FR1 n77/n78_Ant 2_Default Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	22.79	23.27	22.82	24.0
100	PI/2 BPSK	1	137	22.87	23.07	22.92	
100	PI/2 BPSK	1	271	22.94	23.06	22.94	
100	PI/2 BPSK	135	0	22.98	23.09	22.89	23.5
100	PI/2 BPSK	135	69	22.88	23.07	22.95	24.0
100	PI/2 BPSK	135	138	22.84	23.03	22.87	23.5
100	PI/2 BPSK	270	0	23.10	23.21	23.07	
100	QPSK	1	1	22.92	23.07	22.95	24.0
100	QPSK	1	137	22.99	23.18	23.02	
100	QPSK	1	271	23.00	23.17	22.97	
100	QPSK	135	0	23.05	23.16	22.97	24.0
100	QPSK	135	69	23.05	23.21	23.07	
100	QPSK	135	138	23.09	23.21	23.03	
100	QPSK	270	0	23.11	23.21	23.04	24.0
100	16QAM	1	1	22.86	23.06	22.93	24.0
100	64QAM	1	1	22.85	23.04	22.86	24.0
100	256QAM	1	1	20.66	20.81	20.71	22.0
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	22.69	23.11	22.64	24.0
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	22.65	23.17	22.68	24.0
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	22.69	23.11	22.67	24.0
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	22.63	23.10	22.62	24.0
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	22.68	23.10	22.69	24.0
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	22.60	23.14	22.68	24.0
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	22.66	23.17	22.62	24.0
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	22.67	23.14	22.67	24.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	22.66	23.07	22.69	24.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	22.65	23.07	22.62	24.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	22.67	23.17	22.69	24.0



<FR1 n77/n78_Ant 2_Reduced Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	13.52	13.62	13.58	14.5
100	PI/2 BPSK	1	137	13.39	13.52	13.41	
100	PI/2 BPSK	1	271	13.33	13.43	13.44	
100	PI/2 BPSK	135	0	13.37	13.52	13.45	14.5
100	PI/2 BPSK	135	69	13.33	13.43	13.42	14.5
100	PI/2 BPSK	135	138	13.33	13.50	13.46	14.5
100	PI/2 BPSK	270	0	13.37	13.51	13.46	
100	QPSK	1	1	13.33	13.43	13.47	14.5
100	QPSK	1	137	13.40	13.46	13.47	
100	QPSK	1	271	13.37	13.48	13.40	
100	QPSK	135	0	13.33	13.47	13.46	14.5
100	QPSK	135	69	13.33	13.43	13.38	
100	QPSK	135	138	13.40	13.46	13.40	
100	QPSK	270	0	13.39	13.47	13.42	14.5
100	16QAM	1	1	13.36	13.52	13.46	14.5
100	64QAM	1	1	13.41	13.46	13.41	14.5
100	256QAM	1	1	13.39	13.45	13.41	14.5
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	13.38	13.49	13.45	14.5
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	13.35	13.43	13.44	14.5
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	13.34	13.44	13.44	14.5
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	13.32	13.49	13.39	14.5
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	13.33	13.52	13.44	14.5
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	13.41	13.51	13.45	14.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	13.40	13.47	13.38	14.5
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	13.32	13.46	13.43	14.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	13.42	13.44	13.39	14.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	13.41	13.46	13.44	14.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	13.34	13.45	13.39	14.5



<FR1 n77/n78_Ant 1_Default Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	12.58	12.67	12.54	13.0
100	PI/2 BPSK	1	137	12.40	12.40	12.39	
100	PI/2 BPSK	1	271	12.39	12.53	12.43	
100	PI/2 BPSK	135	0	12.39	12.50	12.44	13.0
100	PI/2 BPSK	135	69	12.32	12.54	12.44	13.0
100	PI/2 BPSK	135	138	12.39	12.52	12.45	13.0
100	PI/2 BPSK	270	0	12.33	12.47	12.46	
100	QPSK	1	1	12.32	12.51	12.40	13.0
100	QPSK	1	137	12.46	12.50	12.47	
100	QPSK	1	271	12.39	12.51	12.53	
100	QPSK	135	0	12.41	12.52	12.43	13.0
100	QPSK	135	69	12.34	12.43	12.39	
100	QPSK	135	138	12.39	12.54	12.41	
100	QPSK	270	0	12.35	12.50	12.44	13.0
100	16QAM	1	1	12.40	12.52	12.40	13.0
100	64QAM	1	1	12.36	12.45	12.42	13.0
100	256QAM	1	1	12.36	12.40	12.44	13.0
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	12.51	12.61	12.48	13.0
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	12.44	12.57	12.42	13.0
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	12.32	12.53	12.38	13.0
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	12.40	12.52	12.37	13.0
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	12.39	12.49	12.30	13.0
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	12.37	12.43	12.40	13.0
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	12.35	12.42	12.39	13.0
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	12.41	12.40	12.35	13.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	12.39	12.51	12.48	13.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	12.40	12.39	12.42	13.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	12.37	12.40	12.39	13.0



<FR1 n77/n78_Ant 3_Default Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	11.06	11.12	11.04	11.5
100	PI/2 BPSK	1	137	10.89	11.02	10.91	
100	PI/2 BPSK	1	271	10.91	11.02	10.94	
100	PI/2 BPSK	135	0	10.91	10.96	10.85	11.5
100	PI/2 BPSK	135	69	10.95	10.96	10.86	11.5
100	PI/2 BPSK	135	138	10.91	10.96	10.86	11.5
100	PI/2 BPSK	270	0	10.89	10.92	10.94	
100	QPSK	1	1	10.87	11.01	10.90	11.5
100	QPSK	1	137	10.91	10.96	10.90	
100	QPSK	1	271	10.91	10.93	10.85	
100	QPSK	135	0	10.91	11.02	10.86	11.5
100	QPSK	135	69	10.86	10.95	10.93	
100	QPSK	135	138	10.87	11.00	10.87	
100	QPSK	270	0	10.91	10.97	10.88	11.5
100	16QAM	1	1	10.96	11.01	10.90	11.5
100	64QAM	1	1	10.96	10.97	10.94	11.5
100	256QAM	1	1	10.86	10.99	10.90	11.5
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	10.93	10.99	10.86	11.5
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	10.93	10.97	10.87	11.5
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	10.86	11.02	10.85	11.5
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	10.87	10.94	10.94	11.5
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	10.96	10.99	10.87	11.5
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	10.91	10.93	10.87	11.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	10.91	11.00	10.86	11.5
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	10.89	10.97	10.92	11.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	10.88	10.96	10.87	11.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	10.90	10.94	10.89	11.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	10.87	10.99	10.94	11.5



<FR1 n77/n78_HPUE_Ant 0_Default Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	25.84	26.30	26.01	27.0
100	PI/2 BPSK	1	137	26.11	26.27	26.20	
100	PI/2 BPSK	1	271	26.15	26.25	26.21	
100	PI/2 BPSK	135	0	25.53	25.54	25.51	26.5
100	PI/2 BPSK	135	69	25.49	25.72	25.33	27.0
100	PI/2 BPSK	135	138	25.65	25.68	25.68	26.5
100	PI/2 BPSK	270	0	25.55	25.65	25.61	
100	QPSK	1	1	25.75	25.91	25.79	26.5
100	QPSK	1	137	26.06	26.20	26.13	
100	QPSK	1	271	26.01	26.19	26.06	
100	QPSK	135	0	25.00	25.04	24.92	26.5
100	QPSK	135	69	24.91	25.01	24.92	
100	QPSK	135	138	25.16	25.20	25.17	
100	QPSK	270	0	24.93	25.11	24.94	26.0
100	16QAM	1	1	24.54	24.70	24.57	26.0
100	64QAM	1	1	23.35	23.40	23.24	24.5
100	256QAM	1	1	21.41	21.56	21.50	22.5
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	25.67	26.24	25.98	27.0
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	25.64	26.22	26.01	27.0
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	25.68	26.11	25.95	27.0
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	25.75	26.11	25.97	27.0
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	25.66	26.23	25.93	27.0
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	25.78	26.28	25.97	27.0
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	25.70	26.25	26.00	27.0
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	25.84	26.22	25.81	27.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	25.67	26.10	25.92	27.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	25.79	26.25	25.88	27.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	25.70	26.21	25.93	27.0



<FR1 n77/n78_PC1.5_Ant 0_Default Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	25.38	25.54	25.20	26.0
100	PI/2 BPSK	1	137	25.31	25.44	25.04	
100	PI/2 BPSK	1	271	25.23	25.36	24.95	
100	PI/2 BPSK	135	0	25.34	25.42	25.18	26.0
100	PI/2 BPSK	135	69	25.37	25.39	25.24	26.0
100	PI/2 BPSK	135	138	25.06	25.25	25.00	26.0
100	PI/2 BPSK	270	0	25.36	25.45	25.07	
100	QPSK	1	1	25.24	25.33	25.15	26.0
100	QPSK	1	137	25.20	25.35	25.01	
100	QPSK	1	271	25.13	25.39	25.19	
100	QPSK	135	0	25.25	25.28	24.92	26.0
100	QPSK	135	69	25.08	25.23	24.78	
100	QPSK	135	138	25.22	25.11	25.02	
100	QPSK	270	0	24.99	24.99	24.77	26.0
100	16QAM	1	1	25.30	25.45	25.12	26.0
100	64QAM	1	1	25.18	25.41	25.03	26.0
100	256QAM	1	1	24.52	24.57	24.14	25.0
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	25.29	25.32	25.10	26.0
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	25.27	25.35	25.16	26.0
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	25.16	25.30	25.20	26.0
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	25.10	25.20	25.16	26.0
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	25.18	25.26	25.13	26.0
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	25.10	25.33	25.12	26.0
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	25.12	25.30	25.10	26.0
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	25.16	25.22	25.06	26.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	25.19	25.18	25.04	26.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	25.16	25.10	25.01	26.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	25.20	25.19	25.03	26.0



<FR1 n77/n78_HPUE_Ant 0_Reduced Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	20.02	20.17	20.11	20.5
100	PI/2 BPSK	1	137	20.10	20.11	20.16	
100	PI/2 BPSK	1	271	20.11	20.08	20.05	
100	PI/2 BPSK	135	0	19.64	19.28	19.58	20.5
100	PI/2 BPSK	135	69	19.63	19.54	19.28	20.5
100	PI/2 BPSK	135	138	19.73	19.22	19.77	20.5
100	PI/2 BPSK	270	0	19.44	19.72	19.67	
100	QPSK	1	1	19.84	19.74	19.84	20.5
100	QPSK	1	137	20.05	20.00	20.07	
100	QPSK	1	271	20.04	20.05	20.10	
100	QPSK	135	0	19.44	19.51	19.33	20.5
100	QPSK	135	69	19.53	19.48	19.40	
100	QPSK	135	138	19.48	19.42	19.62	
100	QPSK	270	0	19.42	19.51	19.73	20.5
100	16QAM	1	1	19.40	19.43	19.48	20.5
100	64QAM	1	1	19.37	19.42	19.42	20.5
100	256QAM	1	1	19.32	19.40	19.40	20.5
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	19.84	20.07	20.09	20.5
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	19.99	20.02	20.05	20.5
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	19.84	20.11	20.10	20.5
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	19.95	20.08	19.98	20.5
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	19.90	20.15	20.03	20.5
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	19.92	20.07	19.96	20.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	19.86	20.11	20.07	20.5
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	19.99	19.98	20.09	20.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	19.98	20.12	20.05	20.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	19.95	19.98	19.97	20.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	19.86	20.03	19.96	20.5



<FR1 n77/n78_PC1.5_Ant 0_Reduced Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	18.93	19.05	18.98	19.5
100	PI/2 BPSK	1	137	18.77	18.89	18.81	
100	PI/2 BPSK	1	271	18.79	18.90	18.87	
100	PI/2 BPSK	135	0	18.79	18.92	18.81	19.5
100	PI/2 BPSK	135	69	18.76	18.93	18.79	19.5
100	PI/2 BPSK	135	138	18.82	18.92	18.79	19.5
100	PI/2 BPSK	270	0	18.74	18.91	18.83	
100	QPSK	1	1	18.78	18.94	18.85	19.5
100	QPSK	1	137	18.82	18.91	18.81	
100	QPSK	1	271	18.83	18.93	18.79	
100	QPSK	135	0	18.76	18.94	18.87	19.5
100	QPSK	135	69	18.82	18.88	18.85	
100	QPSK	135	138	18.76	18.94	18.83	
100	QPSK	270	0	18.74	18.88	18.86	19.5
100	16QAM	1	1	18.76	18.91	18.79	19.5
100	64QAM	1	1	18.83	18.88	18.85	19.5
100	256QAM	1	1	18.78	18.95	18.88	19.5
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	18.81	18.88	18.88	19.5
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	18.73	18.86	18.81	19.5
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	18.82	18.95	18.87	19.5
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	18.76	18.90	18.81	19.5
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	18.81	18.92	18.86	19.5
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	18.73	18.92	18.88	19.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	18.78	18.87	18.80	19.5
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	18.79	18.88	18.85	19.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	18.76	18.92	18.86	19.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	18.77	18.86	18.79	19.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	18.83	18.89	18.85	19.5



<FR1 n77/n78_HPUE_Ant 2_Default Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	27.0
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	25.31	25.52	25.34	27.0
100	PI/2 BPSK	1	137	25.18	25.37	25.17	
100	PI/2 BPSK	1	271	25.35	25.47	25.37	
100	PI/2 BPSK	135	0	24.93	25.11	24.97	26.5
100	PI/2 BPSK	135	69	25.29	25.49	25.32	27.0
100	PI/2 BPSK	135	138	25.04	25.18	25.03	26.5
100	PI/2 BPSK	270	0	24.97	25.17	25.04	
100	QPSK	1	1	25.36	25.48	25.37	27.0
100	QPSK	1	137	25.31	25.47	25.34	
100	QPSK	1	271	25.32	25.51	25.37	
100	QPSK	135	0	24.40	24.59	24.43	26.0
100	QPSK	135	69	25.27	25.45	25.29	27
100	QPSK	135	138	24.52	24.65	24.49	26
100	QPSK	270	0	24.45	24.63	24.53	26.0
100	16QAM	1	1	24.44	24.59	24.49	26.0
100	64QAM	1	1	23.00	23.11	22.93	24.5
100	256QAM	1	1	20.59	20.78	20.58	22.5
Channel				639668	641666	643666	27.0
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	25.19	25.32	25.15	27.0
Channel				639334	641666	644000	27.0
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	25.18	25.39	25.18	27.0
Channel				639000	641666	644332	27.0
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	25.12	25.35	25.20	27.0
Channel				638668	641666	644666	27.0
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	25.17	25.35	25.18	27.0
Channel				638334	641666	645000	27.0
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	25.20	25.41	25.23	27.0
Channel				638000	641666	645332	27.0
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	25.18	25.38	25.20	27.0
Channel				637668	641666	645666	27.0
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	25.19	25.35	25.23	27.0
Channel				637500	641666	645832	27.0
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	25.12	25.40	25.20	27.0
Channel				637334	641666	646000	27.0
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	25.11	25.40	25.23	27.0
Channel				637168	641666	646166	27.0
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	25.18	25.39	25.20	27.0
Channel				637000	641666	646332	27.0
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	25.11	25.40	25.24	27.0



<FR1 n77/n78_PC1.5_Ant 2_Default Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1		25.13		26.0
100	PI/2 BPSK	1	137		24.95		
100	PI/2 BPSK	1	271		24.97		
100	PI/2 BPSK	135	0		25.00		26.0
100	PI/2 BPSK	135	69		25.01		26.0
100	PI/2 BPSK	135	138		24.94		26.0
100	PI/2 BPSK	270	0		24.94		
100	QPSK	1	1		25.10		26.0
100	QPSK	1	137		25.03		
100	QPSK	1	271		24.94		
100	QPSK	135	0		24.98		26.0
100	QPSK	135	69		24.97		
100	QPSK	135	138		25.00		
100	QPSK	270	0		24.93		26.0
100	16QAM	1	1		24.58		25.5
100	64QAM	1	1		23.21		24.0
100	256QAM	1	1		21.06		22.0
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	24.91	25.06	24.96	26.0
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	24.89	25.01	24.95	26.0
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	24.83	24.99	24.94	26.0
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	24.88	24.96	24.95	26.0
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	24.90	25.04	24.86	26.0
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	24.88	24.96	24.90	26.0
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	24.88	25.04	24.86	26.0
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	24.88	25.04	24.94	26.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	24.87	24.97	24.89	26.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	24.90	25.01	24.95	26.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	24.82	24.96	24.93	26.0



<FR1 n77/n78_HPUE_Ant 2_Reduced Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	17.5
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	16.48	16.52	16.47	
100	PI/2 BPSK	1	137	16.35	16.36	16.34	17.5
100	PI/2 BPSK	1	271	16.28	16.32	16.32	
100	PI/2 BPSK	135	0	16.32	16.40	16.36	
100	PI/2 BPSK	135	69	16.36	16.38	16.37	17.5
100	PI/2 BPSK	135	138	16.31	16.32	16.35	
100	PI/2 BPSK	270	0	16.38	16.37	16.28	
100	QPSK	1	1	16.30	16.41	16.30	17.5
100	QPSK	1	137	16.36	16.33	16.32	
100	QPSK	1	271	16.30	16.32	16.36	
100	QPSK	135	0	16.33	16.42	16.32	17.5
100	QPSK	135	69	16.32	16.42	16.30	
100	QPSK	135	138	16.36	16.41	16.29	
100	QPSK	270	0	16.28	16.38	16.29	17.5
100	16QAM	1	1	16.32	16.32	16.28	17.5
100	64QAM	1	1	16.31	16.36	16.28	17.5
100	256QAM	1	1	16.31	16.34	16.30	17.5
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	16.37	16.40	16.30	17.5
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	16.31	16.35	16.32	17.5
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	16.33	16.36	16.31	17.5
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	16.30	16.36	16.29	17.5
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	16.33	16.34	16.31	17.5
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	16.29	16.37	16.31	17.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	16.28	16.36	16.32	17.5
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	16.35	16.38	16.31	17.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	16.36	16.40	16.34	17.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	16.28	16.36	16.33	17.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	16.31	16.37	16.34	17.5



<FR1 n77/n78_PC1.5_Ant 2_Reduced Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1		15.55		16.5
100	PI/2 BPSK	1	137		15.36		
100	PI/2 BPSK	1	271		15.44		
100	PI/2 BPSK	135	0		15.38		16.5
100	PI/2 BPSK	135	69		15.45		16.5
100	PI/2 BPSK	135	138		15.37		16.5
100	PI/2 BPSK	270	0		15.42		
100	QPSK	1	1		15.40		16.5
100	QPSK	1	137		15.44		
100	QPSK	1	271		15.37		
100	QPSK	135	0		15.39		16.5
100	QPSK	135	69		15.45		
100	QPSK	135	138		15.45		
100	QPSK	270	0		15.35		16.5
100	16QAM	1	1		15.45		16.5
100	64QAM	1	1		15.38		16.5
100	256QAM	1	1		15.41		16.5
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	15.41	15.46	15.43	16.5
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	15.23	15.32	15.26	16.5
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	15.31	15.30	15.31	16.5
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	15.22	15.33	15.23	16.5
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	15.27	15.26	15.23	16.5
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	15.28	15.27	15.30	16.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	15.29	15.31	15.30	16.5
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	15.30	15.26	15.25	16.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	15.27	15.33	15.33	16.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	15.31	15.27	15.32	16.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	15.30	15.34	15.27	16.5



<FR1 n77/n78_HPUE_Ant 1_Default Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	16.0
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	14.69	14.79	14.74	16.0
100	PI/2 BPSK	1	137	14.55	14.60	14.57	
100	PI/2 BPSK	1	271	14.57	14.67	14.56	
100	PI/2 BPSK	135	0	14.52	14.62	14.63	16.0
100	PI/2 BPSK	135	69	14.50	14.67	14.64	16.0
100	PI/2 BPSK	135	138	14.56	14.63	14.61	16.0
100	PI/2 BPSK	270	0	14.49	14.64	14.59	
100	QPSK	1	1	14.50	14.68	14.54	16.0
100	QPSK	1	137	14.57	14.60	14.62	
100	QPSK	1	271	14.59	14.64	14.64	
100	QPSK	135	0	14.55	14.67	14.57	16.0
100	QPSK	135	69	14.53	14.61	14.56	
100	QPSK	135	138	14.55	14.65	14.61	
100	QPSK	270	0	14.52	14.66	14.62	16.0
100	16QAM	1	1	14.55	14.63	14.58	16.0
100	64QAM	1	1	14.54	14.64	14.56	16.0
100	256QAM	1	1	14.49	14.59	14.57	16.0
Channel				639668	641666	643666	16.0
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	14.52	14.60	14.60	16.0
Channel				639334	641666	644000	16.0
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	14.58	14.66	14.63	16.0
Channel				639000	641666	644332	16.0
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	14.56	14.64	14.63	16.0
Channel				638668	641666	644666	16.0
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	14.59	14.60	14.55	16.0
Channel				638334	641666	645000	16.0
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	14.53	14.68	14.59	16.0
Channel				638000	641666	645332	16.0
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	14.52	14.69	14.61	16.0
Channel				637668	641666	645666	16.0
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	14.51	14.62	14.59	16.0
Channel				637500	641666	645832	16.0
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	14.54	14.59	14.55	16.0
Channel				637334	641666	646000	16.0
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	14.53	14.59	14.54	16.0
Channel				637168	641666	646166	16.0
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	14.58	14.59	14.55	16.0
Channel				637000	641666	646332	16.0
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	14.51	14.62	14.61	16.0



<FR1 n77/n78_PC1.5_Ant 1_Default Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	14.61	14.78	14.74	15.0
100	PI/2 BPSK	1	137	14.54	14.53	14.50	
100	PI/2 BPSK	1	271	14.55	14.57	14.46	
100	PI/2 BPSK	135	0	14.46	14.61	14.59	15.0
100	PI/2 BPSK	135	69	14.44	14.62	14.59	15.0
100	PI/2 BPSK	135	138	14.51	14.53	14.53	15.0
100	PI/2 BPSK	270	0	14.47	14.55	14.58	
100	QPSK	1	1	14.49	14.63	14.48	15.0
100	QPSK	1	137	14.57	14.59	14.61	
100	QPSK	1	271	14.56	14.59	14.56	
100	QPSK	135	0	14.46	14.63	14.54	15.0
100	QPSK	135	69	14.48	14.60	14.52	
100	QPSK	135	138	14.48	14.60	14.54	
100	QPSK	270	0	14.47	14.59	14.60	15.0
100	16QAM	1	1	14.46	14.61	14.49	15.0
100	64QAM	1	1	14.46	14.63	14.55	15.0
100	256QAM	1	1	14.41	14.58	14.57	15.0
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	14.45	14.68	14.61	15.0
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	14.57	14.62	14.60	15.0
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	14.61	14.57	14.55	15.0
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	14.50	14.49	14.48	15.0
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	14.45	14.42	14.50	15.0
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	14.42	14.46	14.47	15.0
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	14.56	14.52	14.42	15.0
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	14.61	14.57	14.40	15.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	14.48	14.49	14.37	15.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	14.42	14.40	14.49	15.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	14.51	14.48	14.45	15.0



<FR1 n77/n78_HPUE_Ant 3_Default Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	14.5
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	13.83	13.96	13.93	14.5
100	PI/2 BPSK	1	137	13.64	13.78	13.78	
100	PI/2 BPSK	1	271	13.64	13.78	13.81	
100	PI/2 BPSK	135	0	13.72	13.84	13.83	14.5
100	PI/2 BPSK	135	69	13.67	13.79	13.82	14.5
100	PI/2 BPSK	135	138	13.63	13.81	13.74	14.5
100	PI/2 BPSK	270	0	13.63	13.79	13.81	
100	QPSK	1	1	13.64	13.82	13.80	14.5
100	QPSK	1	137	13.68	13.86	13.78	
100	QPSK	1	271	13.73	13.86	13.77	
100	QPSK	135	0	13.66	13.83	13.74	14.5
100	QPSK	135	69	13.73	13.83	13.78	
100	QPSK	135	138	13.64	13.82	13.79	
100	QPSK	270	0	13.67	13.84	13.79	14.5
100	16QAM	1	1	13.63	13.77	13.78	14.5
100	64QAM	1	1	13.73	13.86	13.78	14.5
100	256QAM	1	1	13.69	13.84	13.76	14.5
Channel				639668	641666	643666	14.5
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	13.73	13.86	13.74	14.5
Channel				639334	641666	644000	14.5
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	13.73	13.83	13.75	14.5
Channel				639000	641666	644332	14.5
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	13.73	13.79	13.80	14.5
Channel				638668	641666	644666	14.5
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	13.73	13.82	13.78	14.5
Channel				638334	641666	645000	14.5
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	13.66	13.80	13.73	14.5
Channel				638000	641666	645332	14.5
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	13.69	13.82	13.79	14.5
Channel				637668	641666	645666	14.5
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	13.68	13.81	13.74	14.5
Channel				637500	641666	645832	14.5
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	13.69	13.81	13.81	14.5
Channel				637334	641666	646000	14.5
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	13.69	13.79	13.80	14.5
Channel				637168	641666	646166	14.5
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	13.64	13.85	13.82	14.5
Channel				637000	641666	646332	14.5
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	13.72	13.79	13.79	14.5

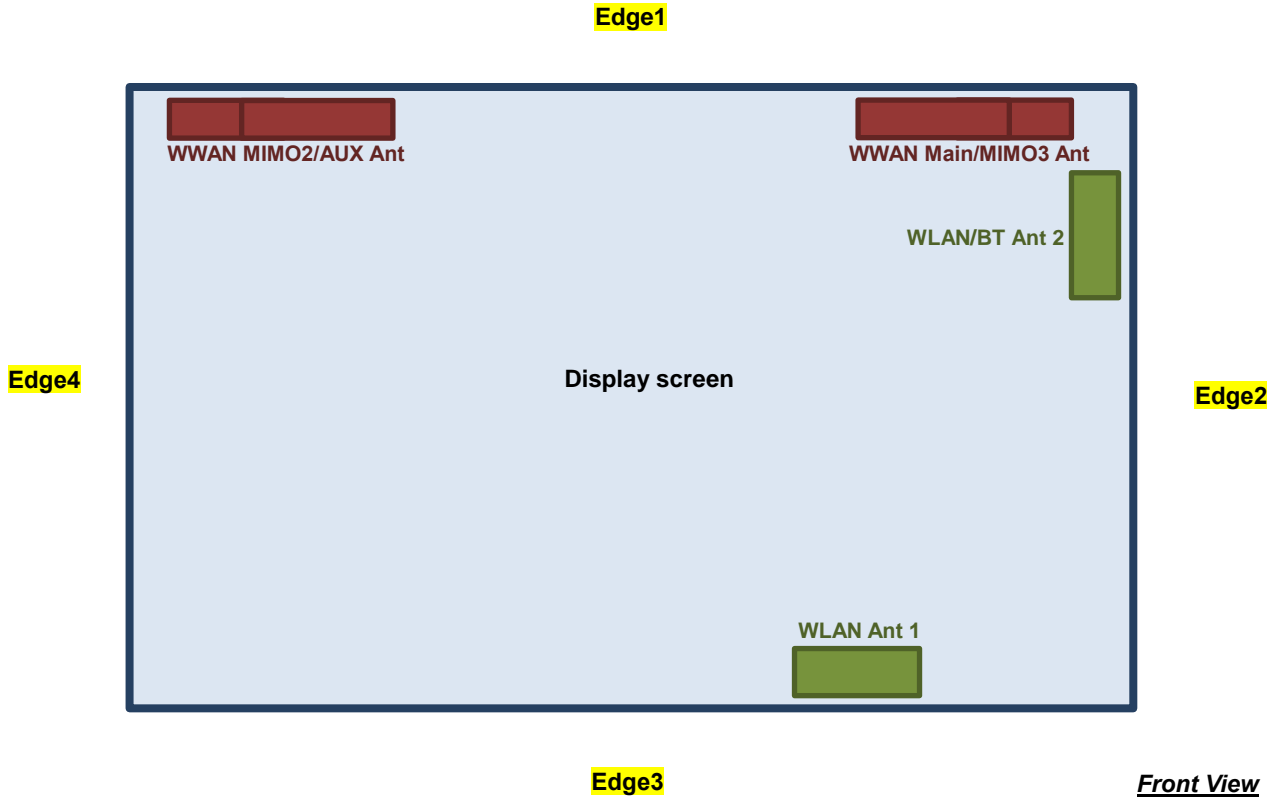


<FR1 n77/n78_PC1.5_Ant 3_Default Power>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1		13.15		13.5
100	PI/2 BPSK	1	137		13.04		
100	PI/2 BPSK	1	271		13.00		
100	PI/2 BPSK	135	0		12.96		13.5
100	PI/2 BPSK	135	69		13.03		13.5
100	PI/2 BPSK	135	138		12.98		13.5
100	PI/2 BPSK	270	0		12.95		
100	QPSK	1	1		13.04		13.5
100	QPSK	1	137		13.01		
100	QPSK	1	271		13.00		
100	QPSK	135	0		12.98		13.5
100	QPSK	135	69		12.98		
100	QPSK	135	138		12.98		
100	QPSK	270	0		12.97		13.5
100	16QAM	1	1		12.97		13.5
100	64QAM	1	1		13.05		13.5
100	256QAM	1	1		12.97		13.5
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	12.97	13.11	13.04	13.5
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	12.80	12.96	12.90	13.5
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	12.86	12.97	12.94	13.5
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	12.84	12.91	12.89	13.5
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	12.82	12.91	12.87	13.5
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	12.80	12.92	12.94	13.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	12.83	12.91	12.86	13.5
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	12.82	13.01	12.94	13.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	12.87	13.00	12.87	13.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	12.78	12.94	12.94	13.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	12.82	12.95	12.84	13.5

14. Antenna Location

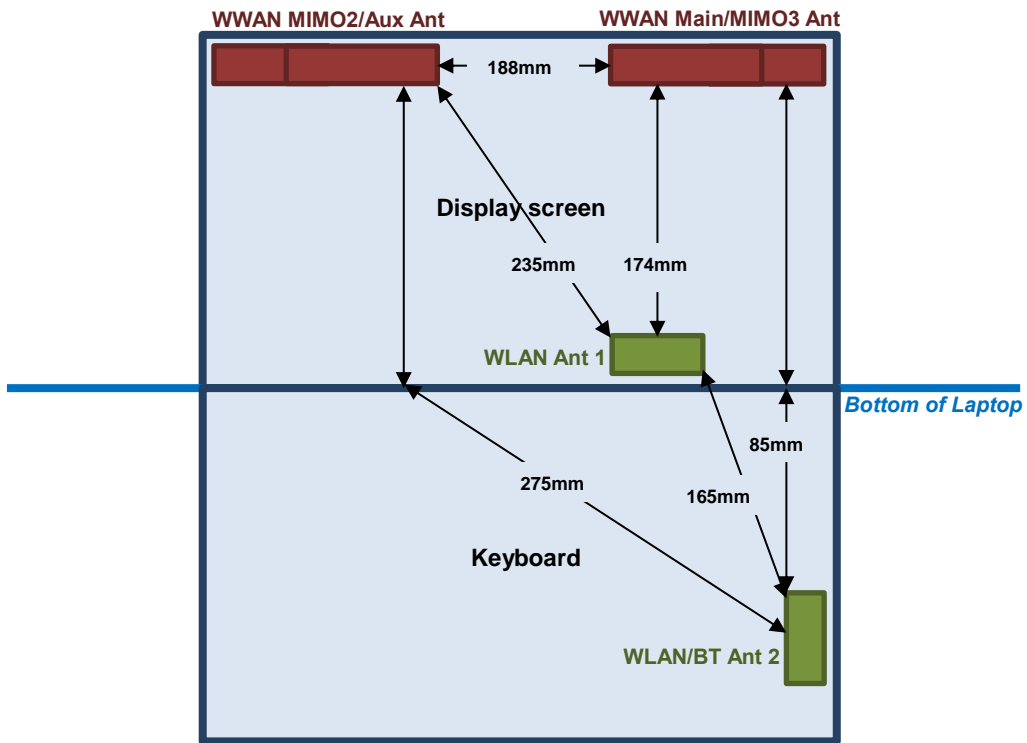
<For Tablet>



The separation distance for antenna to edge :

Antenna	To Edge1 (mm)	To Edge2 (mm)	To Edge3 (mm)	To Edge4 (mm)
WWAN Main Ant 0 / MIMO3 Ant 1	< 5	9.55	196.20	182.15
WWAN Aux Ant 3 / MIMO2 Ant 2	< 5	181.95	196.20	9.75
WLAN Antenna 1	197.50	76.35	< 5	194.35
WLAN/BT Antenna 2	59.59	5.75	126.75	291.45

<For Laptop>



The separation distance for antenna to edge :

Antenna	To Bottom of Laptop (mm)
WWAN Main Ant 0 / MIMO3 Ant 1	200.39
WWAN Aux Ant 3 / MIMO2 Ant 2	200.39
WLAN Antenna 1	< 5
WLAN/BT Antenna 2	< 5



<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:
 - $[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] \cdot \sqrt{f(GHz)} \leq 3.0$ 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/MIMO3>

Exposure Position	Wireless Interface	WCDMA Band V	WCDMA Band IV	WCDMA Band II	LTE Band 71/n71	LTE Band 12/17/n12	LTE Band 13/n13	LTE Band 14/n14	LTE Band 26/5/n26/n5	LTE Band 66/4/n66	FR1 n70	LTE Band 25/2/n25/n2	LTE Band 30/n30	LTE Band 7/n7	LTE Band 41/38/n41/n38	LTE Band 42	LTE Band 43/48/n48	FR1 n77	FR1 n78
	Calculated Frequency (MHz)	846	1750	1907	695	715	784	795	848	1779	1702.5	1914	2312	2567	2687	3597	3697	3650	3650
Maximum power (dBm)	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.0	24.0	24.0	23.0	24.0	24.0	24.0	22.0	24.0	24.0	
Maximum rated power(mW)	281.84	281.84	281.84	281.84	281.84	281.84	281.84	281.84	251.19	251.19	251.19	199.53	251.19	251.19	251.19	158.49	251.19	251.19	
Bottom Face	Separation distance(mm)	5.0																	
exclusion threshold	51.9	74.6	77.8	47.0	47.7	49.9	50.3	51.9	67.0	65.6	69.5	60.7	80.5	82.4	95.3	61.0	96.0	96.0	
Testing required?	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	47.0	47.7	49.9	50.3	51.9	67.0	65.6	69.5	60.7	80.5	82.4	95.3	61.0	96.0	96.0	
Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Edge 2	Separation distance(mm)	9.55																	
exclusion threshold	27.1	39.0	40.8	24.6	25.0	26.1	26.3	27.2	35.1	65.6	36.4	31.8	42.1	43.1	49.9	31.9	50.3	50.3	
Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Edge 3	Separation distance(mm)	196.2																	
exclusion threshold	988.0	1575.0	1571.0	857.0	874.0	934.0	943.0	989.0	1574.0	1577.0	1570.0	1561.0	1556.0	1554.0	1541.0	1540.0	1541.0	1541.0	
Testing required?	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Edge 4	Separation distance(mm)	182.15																	
exclusion threshold	908.0	1435.0	1430.0	792.0	807.0	860.0	869.0	910.0	1434.0	1436.0	1430.0	1420.0	1415.0	1413.0	1401.0	1400.0	1400.0	1400.0	
Testing required?	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)	200.39																	
exclusion threshold	1011.0	1617.0	1613.0	877.0	894.0	955.0	965.0	1013.0	1616.0	1619.0	1612.0	1603.0	1598.0	1595.0	1583.0	1582.0	1582.0	1582.0	
Testing required?	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No



<Aux/MIMO2>

Exposure Position	Wireless Interface	LTE Band 66/4/n66	LTE Band n70	LTE Band 25/2/n25/n2	LTE Band 30/n30	LTE Band 7/n7	LTE Band 41/38/n41/n38	LTE Band 42	LTE Band 43/48/n48	LTE Band n77	LTE Band n78
	Calculated Frequency (MHz)	1779	1702.5	1914	2312	2567	2687	3597	3697	3650	3650
	Maximum power (dBm)	24.0	24.0	24.0	23.0	24.0	24.0	24.0	22.0	24.0	24.0
	Maximum rated power(mW)	251.19	251.19	251.19	199.53	251.19	251.19	251.19	158.49	251.19	251.19
Bottom Face	Separation distance(mm)	5.0									
	exclusion threshold	67.0	65.6	69.5	60.7	80.5	82.4	95.3	61.0	96.0	96.0
	Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Edge 1	Separation distance(mm)	5.0									
	exclusion threshold	67.0	65.6	69.5	60.7	80.5	82.4	95.3	61.0	96.0	96.0
	Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Edge 2	Separation distance(mm)	181.95									
	exclusion threshold	1432.0	1434.0	1428.0	1418.0	1413.0	1411.0	1399.0	1398.0	1398.0	1398.0
	Testing required?	No	No	No	No	No	No	No	No	No	No
Edge 3	Separation distance(mm)	196.2									
	exclusion threshold	1574.0	1577.0	1570.0	1561.0	1556.0	1554.0	1541.0	1540.0	1541.0	1541.0
	Testing required?	No	No	No	No	No	No	No	No	No	No
Edge 4	Separation distance(mm)	9.75									
	exclusion threshold	34.4	33.6	35.6	31.1	41.3	42.2	48.9	31.3	49.2	49.2
	Testing required?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bottom of Laptop	Separation distance(mm)	200.39									
	exclusion threshold	1616.0	1619.0	1612.0	1603.0	1598.0	1595.0	1583.0	1582.0	1582.0	1582.0
	Testing required?	No	No	No	No	No	No	No	No	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 4. 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 $\leq 1/4$ 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 $1/4$ 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. 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)	Antenna	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	4mm	0	OFF	9262	1852.4	Auden	23.94	24.50	1.138	-0.18	0.326	0.371
	WCDMA II_Ant 0	RMC 12.2Kbps	Edge 1	21mm	0	OFF	9262	1852.4	Auden	23.94	24.50	1.138	0.03	0.193	0.220
	WCDMA II_Ant 0	RMC 12.2Kbps	Edge 2	0mm	0	OFF	9262	1852.4	Auden	23.94	24.50	1.138	0.12	0.073	0.083
	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Face	0mm	0	ON	9262	1852.4	Auden	19.46	20.00	1.132	-0.08	0.422	0.478
	WCDMA II_Ant 0	RMC 12.2Kbps	Edge 1	0mm	0	ON	9262	1852.4	Auden	19.46	20.00	1.132	0.1	0.838	0.949
	WCDMA II_Ant 0	RMC 12.2Kbps	Edge 1	0mm	0	ON	9400	1880	Auden	19.36	20.00	1.159	-0.18	0.766	0.888
	WCDMA II_Ant 0	RMC 12.2Kbps	Edge 1	0mm	0	ON	9538	1907.6	Auden	19.22	20.00	1.197	0.1	0.696	0.833
01	WCDMA II_Ant 0	RMC 12.2Kbps	Edge 1	0mm	0	ON	9262	1852.4	Speed	19.46	20.00	1.132	-0.01	0.848	0.960
	WCDMA II_Ant 0	RMC 12.2Kbps	Edge 1	0mm	0	ON	9400	1880	Speed	19.36	20.00	1.159	0.08	0.759	0.880
	WCDMA II_Ant 0	RMC 12.2Kbps	Edge 1	0mm	0	ON	9538	1907.6	Speed	19.22	20.00	1.197	-0.17	0.706	0.845
	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Face	4mm	0	OFF	1513	1752.6	Auden	23.69	24.50	1.205	0.08	0.359	0.433
	WCDMA IV_Ant 0	RMC 12.2Kbps	Edge 1	21mm	0	OFF	1513	1752.6	Auden	23.69	24.50	1.205	-0.15	0.373	0.449
	WCDMA IV_Ant 0	RMC 12.2Kbps	Edge 2	0mm	0	OFF	1513	1752.6	Auden	23.69	24.50	1.205	0.17	0.001	0.001
	WCDMA IV_Ant 0	RMC 12.2Kbps	Bottom Face	0mm	0	ON	1513	1752.6	Auden	18.15	18.50	1.084	0.14	0.329	0.357
	WCDMA IV_Ant 0	RMC 12.2Kbps	Edge 1	0mm	0	ON	1513	1752.6	Auden	18.15	18.50	1.084	-0.17	0.810	0.878
	WCDMA IV_Ant 0	RMC 12.2Kbps	Edge 1	0mm	0	ON	1312	1712.4	Auden	18.09	18.50	1.099	-0.05	0.809	0.889
	WCDMA IV_Ant 0	RMC 12.2Kbps	Edge 1	0mm	0	ON	1413	1732.6	Auden	18.14	18.50	1.086	0.01	0.755	0.820
02	WCDMA IV_Ant 0	RMC 12.2Kbps	Edge 1	0mm	0	ON	1312	1712.4	Speed	18.09	18.50	1.099	-0.01	0.853	0.937
	WCDMA IV_Ant 0	RMC 12.2Kbps	Edge 1	0mm	0	ON	1513	1752.6	Speed	18.15	18.50	1.084	0.1	0.747	0.810
	WCDMA IV_Ant 0	RMC 12.2Kbps	Edge 1	0mm	0	ON	1413	1732.6	Speed	18.14	18.50	1.086	-0.17	0.799	0.868
	WCDMA V_Ant 0	RMC 12.2Kbps	Bottom Face	4mm	0	OFF	4132	826.4	Auden	23.55	24.50	1.245	0.08	0.196	0.244
	WCDMA V_Ant 0	RMC 12.2Kbps	Edge 1	21mm	0	OFF	4132	826.4	Auden	23.55	24.50	1.245	0.01	0.077	0.096
	WCDMA V_Ant 0	RMC 12.2Kbps	Edge 2	0mm	0	OFF	4132	826.4	Auden	23.55	24.50	1.245	0.13	0.085	0.106
	WCDMA V_Ant 0	RMC 12.2Kbps	Bottom Face	0mm	0	ON	4132	826.4	Auden	21.48	22.00	1.127	0.05	0.330	0.372
	WCDMA V_Ant 0	RMC 12.2Kbps	Edge 1	0mm	0	ON	4132	826.4	Auden	21.48	22.00	1.127	0.06	0.797	0.898
	WCDMA V_Ant 0	RMC 12.2Kbps	Edge 1	0mm	0	ON	4182	836.4	Auden	21.43	22.00	1.140	-0.09	0.791	0.902
	WCDMA V_Ant 0	RMC 12.2Kbps	Edge 1	0mm	0	ON	4233	846.6	Auden	21.31	22.00	1.172	-0.08	0.808	0.947
	WCDMA V_Ant 0	RMC 12.2Kbps	Edge 1	0mm	0	ON	4233	846.6	Speed	21.31	22.00	1.172	0.03	0.774	0.907
	WCDMA V_Ant 0	RMC 12.2Kbps	Edge 1	0mm	0	ON	4182	836.4	Speed	21.43	22.00	1.140	0.12	0.791	0.902
03	WCDMA V_Ant 0	RMC 12.2Kbps	Edge 1	0mm	0	ON	4132	826.4	Speed	21.48	22.00	1.127	-0.01	0.854	0.963



<FDD LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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	4mm	0	OFF	21100	2535	Auden	22.81	24.00	1.315	-0.08	0.139	0.183
	LTE Band 7_Ant 0	20M	QPSK	50	24	Bottom Face	4mm	0	OFF	21100	2535	Auden	22.04	23.00	1.247	0.09	0.122	0.152
	LTE Band 7_Ant 0	20M	QPSK	1	0	Edge 1	21mm	0	OFF	21100	2535	Auden	22.81	24.00	1.315	-0.04	0.208	0.274
	LTE Band 7_Ant 0	20M	QPSK	50	24	Edge 1	21mm	0	OFF	21100	2535	Auden	22.04	23.00	1.247	0.01	0.185	0.231
	LTE Band 7_Ant 0	20M	QPSK	1	0	Edge 2	0mm	0	OFF	21100	2535	Auden	22.81	24.00	1.315	-0.18	0.067	0.088
	LTE Band 7_Ant 0	20M	QPSK	50	24	Edge 2	0mm	0	OFF	21100	2535	Auden	22.04	23.00	1.247	0.09	0.054	0.067
	LTE Band 7_Ant 0	20M	QPSK	1	0	Bottom Face	0mm	0	ON	21100	2535	Auden	16.17	16.50	1.079	-0.1	0.105	0.113
	LTE Band 7_Ant 0	20M	QPSK	50	24	Bottom Face	0mm	0	ON	21100	2535	Auden	16.11	16.50	1.094	0.01	0.099	0.108
04	LTE Band 7_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	21100	2535	Auden	16.17	16.50	1.079	0.04	0.977	1.054
	LTE Band 7_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	20850	2510	Auden	15.96	16.50	1.132	0.19	0.822	0.931
	LTE Band 7_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	21350	2560	Auden	16.13	16.50	1.089	0.07	0.952	1.037
	LTE Band 7_Ant 0	20M	QPSK	50	24	Edge 1	0mm	0	ON	21100	2535	Auden	16.11	16.50	1.094	0.01	0.945	1.034
	LTE Band 7_Ant 0	20M	QPSK	50	24	Edge 1	0mm	0	ON	20850	2510	Auden	16.10	16.50	1.096	0.08	0.924	1.013
	LTE Band 7_Ant 0	20M	QPSK	50	24	Edge 1	0mm	0	ON	21350	2560	Auden	16.11	16.50	1.094	0.01	0.822	0.899
	LTE Band 7_Ant 0	20M	QPSK	100	0	Edge 1	0mm	0	ON	21100	2535	Auden	16.15	16.50	1.084	0.03	0.806	0.874
	LTE Band 7C	20M	QPSK	1	0	Edge 1	0mm	0	ON	20850+21048	2510	Auden	15.90	16.50	1.148	0.08	0.698	0.801
	LTE Band 7C	20M	QPSK	1	0	Edge 1	0mm	0	ON	21350+21152	2560	Auden	15.79	16.50	1.178	0.01	0.702	0.827
	LTE Band 7C	20M	QPSK	1	0	Edge 1	0mm	0	ON	21100+20902	2535	Auden	15.85	16.50	1.161	0.03	0.731	0.849
	LTE Band 7_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	21100	2535	Speed	16.17	16.50	1.079	0.03	0.766	0.826
	LTE Band 7_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	20850	2510	Speed	15.96	16.50	1.132	-0.15	0.574	0.650
	LTE Band 7_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	21350	2560	Speed	16.13	16.50	1.089	-0.15	0.835	0.909
	LTE Band 7_Ant 2	20M	QPSK	1	0	Bottom Face	14mm	2	OFF	21100	2535	Auden	22.78	24.00	1.324	-0.05	0.135	0.179
	LTE Band 7_Ant 2	20M	QPSK	50	0	Bottom Face	14mm	2	OFF	21100	2535	Auden	21.88	23.00	1.294	0.18	0.101	0.131
	LTE Band 7_Ant 2	20M	QPSK	1	0	Edge 1	24mm	2	OFF	21100	2535	Auden	22.78	24.00	1.324	0.14	0.187	0.248
	LTE Band 7_Ant 2	20M	QPSK	50	0	Edge 1	24mm	2	OFF	21100	2535	Auden	21.88	23.00	1.294	-0.17	0.171	0.221
	LTE Band 7_Ant 2	20M	QPSK	1	0	Edge 4	8mm	2	OFF	21100	2535	Auden	22.78	24.00	1.324	0.17	0.216	0.286
	LTE Band 7_Ant 2	20M	QPSK	50	0	Edge 4	8mm	2	OFF	21100	2535	Auden	21.88	23.00	1.294	-0.05	0.201	0.260
	LTE Band 7_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	2	ON	21100	2535	Auden	17.32	18.50	1.312	-0.08	0.289	0.379
	LTE Band 7_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	2	ON	21100	2535	Auden	17.17	18.50	1.358	0.03	0.289	0.393
	LTE Band 7_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	21100	2535	Auden	17.32	18.50	1.312	-0.04	0.733	0.962
	LTE Band 7_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	20850	2510	Auden	17.04	18.50	1.400	0.17	0.524	0.733
	LTE Band 7_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	21350	2560	Auden	17.26	18.50	1.330	-0.02	0.781	1.039
	LTE Band 7_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	21100	2535	Auden	17.17	18.50	1.358	-0.04	0.700	0.951
	LTE Band 7_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	20850	2510	Auden	16.92	18.50	1.439	0.17	0.698	1.004
	LTE Band 7_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	21350	2560	Auden	17.14	18.50	1.368	-0.02	0.631	0.863
	LTE Band 7_Ant 2	20M	QPSK	100	0	Edge 1	0mm	2	ON	21100	2535	Auden	17.14	18.50	1.368	0.17	0.524	0.717
	LTE Band 7_Ant 2	20M	QPSK	1	0	Edge 4	0mm	2	ON	21100	2535	Auden	17.32	18.50	1.312	0.07	0.350	0.459
	LTE Band 7_Ant 2	20M	QPSK	50	0	Edge 4	0mm	2	ON	21100	2535	Auden	17.17	18.50	1.358	-0.08	0.330	0.448
	LTE Band 7_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	21350	2560	Speed	17.26	18.50	1.330	-0.02	0.789	1.050
	LTE Band 7_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	21100	2535	Speed	17.32	18.50	1.312	0.18	0.746	0.979
	LTE Band 7_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	20850	2510	Speed	17.04	18.50	1.400	-0.04	0.624	0.873



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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	4mm	0	OFF	23095	707.5	Auden	23.50	24.50	1.259	0.03	0.199	0.251
	LTE Band 12_Ant 0	10M	QPSK	25	0	Bottom Face	4mm	0	OFF	23095	707.5	Auden	22.55	23.50	1.245	-0.08	0.235	0.292
	LTE Band 12_Ant 0	10M	QPSK	1	0	Edge 1	21mm	0	OFF	23095	707.5	Auden	23.50	24.50	1.259	-0.08	0.098	0.123
	LTE Band 12_Ant 0	10M	QPSK	25	0	Edge 1	21mm	0	OFF	23095	707.5	Auden	22.55	23.50	1.245	0.1	0.061	0.076
	LTE Band 12_Ant 0	10M	QPSK	1	0	Edge 2	0mm	0	OFF	23095	707.5	Auden	23.50	24.50	1.259	-0.03	0.180	0.227
	LTE Band 12_Ant 0	10M	QPSK	25	0	Edge 2	0mm	0	OFF	23095	707.5	Auden	22.55	23.50	1.245	-0.03	0.150	0.187
	LTE Band 12_Ant 0	10M	QPSK	1	0	Bottom Face	0mm	0	ON	23095	707.5	Auden	21.60	22.50	1.230	-0.03	0.300	0.369
	LTE Band 12_Ant 0	10M	QPSK	25	0	Bottom Face	0mm	0	ON	23095	707.5	Auden	21.48	22.50	1.265	-0.03	0.280	0.354
05	LTE Band 12_Ant 0	10M	QPSK	1	0	Edge 1	0mm	0	ON	23095	707.5	Auden	21.60	22.50	1.230	0.07	0.891	1.096
	LTE Band 12_Ant 0	10M	QPSK	25	0	Edge 1	0mm	0	ON	23095	707.5	Auden	21.48	22.50	1.265	0.1	0.863	1.091
	LTE Band 12_Ant 0	10M	QPSK	50	0	Edge 1	0mm	0	ON	23095	707.5	Auden	21.45	22.50	1.274	0.05	0.853	1.086
	LTE Band 12_Ant 0	10M	QPSK	1	0	Edge 1	0mm	0	ON	23095	707.5	Speed	21.60	22.50	1.230	0.08	0.832	1.024
	LTE Band 13_Ant 0	10M	QPSK	1	0	Bottom Face	4mm	0	OFF	23230	782	Auden	23.41	24.50	1.285	-0.18	0.305	0.392
	LTE Band 13_Ant 0	10M	QPSK	25	0	Bottom Face	4mm	0	OFF	23230	782	Auden	22.54	23.50	1.247	0.1	0.271	0.338
	LTE Band 13_Ant 0	10M	QPSK	1	0	Edge 1	21mm	0	OFF	23230	782	Auden	23.41	24.50	1.285	0.12	0.107	0.138
	LTE Band 13_Ant 0	10M	QPSK	25	0	Edge 1	21mm	0	OFF	23230	782	Auden	22.54	23.50	1.247	0.08	0.075	0.094
	LTE Band 13_Ant 0	10M	QPSK	1	0	Edge 2	0mm	0	OFF	23230	782	Auden	23.41	24.50	1.285	-0.16	0.172	0.221
	LTE Band 13_Ant 0	10M	QPSK	25	0	Edge 2	0mm	0	OFF	23230	782	Auden	22.54	23.50	1.247	0.11	0.137	0.171
	LTE Band 13_Ant 0	10M	QPSK	1	0	Bottom Face	0mm	0	ON	23230	782	Auden	21.53	22.50	1.250	-0.12	0.347	0.434
	LTE Band 13_Ant 0	10M	QPSK	25	0	Bottom Face	0mm	0	ON	23230	782	Auden	21.34	22.50	1.306	0.11	0.331	0.432
06	LTE Band 13_Ant 0	10M	QPSK	1	0	Edge 1	0mm	0	ON	23230	782	Auden	21.53	22.50	1.250	0.03	0.864	1.080
	LTE Band 13_Ant 0	10M	QPSK	25	0	Edge 1	0mm	0	ON	23230	782	Auden	21.34	22.50	1.306	-0.02	0.813	1.062
	LTE Band 13_Ant 0	10M	QPSK	50	0	Edge 1	0mm	0	ON	23230	782	Auden	21.30	22.50	1.318	0.01	0.801	1.056
	LTE Band 13_Ant 0	10M	QPSK	1	0	Edge 1	0mm	0	ON	23230	782	Speed	21.53	22.50	1.250	-0.02	0.854	1.068
	LTE Band 14_Ant 0	10M	QPSK	1	0	Bottom Face	4mm	0	OFF	23330	793	Auden	23.47	24.50	1.268	0.01	0.301	0.382
	LTE Band 14_Ant 0	10M	QPSK	25	0	Bottom Face	4mm	0	OFF	23330	793	Auden	22.52	23.50	1.253	0.1	0.265	0.332
	LTE Band 14_Ant 0	10M	QPSK	1	0	Edge 1	21mm	0	OFF	23330	793	Auden	23.47	24.50	1.268	-0.17	0.116	0.147
	LTE Band 14_Ant 0	10M	QPSK	25	0	Edge 1	21mm	0	OFF	23330	793	Auden	22.52	23.50	1.253	0.04	0.097	0.122
	LTE Band 14_Ant 0	10M	QPSK	1	0	Edge 2	0mm	0	OFF	23330	793	Auden	23.47	24.50	1.268	0.16	0.172	0.218
	LTE Band 14_Ant 0	10M	QPSK	25	0	Edge 2	0mm	0	OFF	23330	793	Auden	22.52	23.50	1.253	0.13	0.137	0.172
	LTE Band 14_Ant 0	10M	QPSK	1	0	Bottom Face	0mm	0	ON	23330	793	Auden	21.47	22.50	1.268	-0.05	0.343	0.435
	LTE Band 14_Ant 0	10M	QPSK	25	0	Bottom Face	0mm	0	ON	23330	793	Auden	21.35	22.50	1.303	0.13	0.325	0.424
07	LTE Band 14_Ant 0	10M	QPSK	1	0	Edge 1	0mm	0	ON	23330	793	Auden	21.47	22.50	1.268	0.14	0.890	1.128
	LTE Band 14_Ant 0	10M	QPSK	25	0	Edge 1	0mm	0	ON	23330	793	Auden	21.35	22.50	1.303	0.11	0.861	1.122
	LTE Band 14_Ant 0	10M	QPSK	50	0	Edge 1	0mm	0	ON	23330	793	Auden	21.33	22.50	1.309	0.01	0.856	1.121
	LTE Band 14_Ant 0	10M	QPSK	1	0	Edge 4	0mm	0	ON	23330	793	Auden	21.47	22.50	1.268	-0.08	0.001	0.001
	LTE Band 14_Ant 0	10M	QPSK	25	0	Edge 4	0mm	0	ON	23330	793	Auden	21.35	22.50	1.303	-0.04	0.001	0.001
	LTE Band 14_Ant 0	10M	QPSK	1	0	Edge 1	0mm	0	ON	23330	793	Speed	21.47	22.50	1.268	0.05	0.855	1.084



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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	4mm	0	OFF	26340	1880	Auden	23.52	24.00	1.117	-0.01	0.411	0.459
	LTE Band 25_Ant 0	20M	QPSK	50	0	Bottom Face	4mm	0	OFF	26340	1880	Auden	22.65	23.00	1.084	-0.08	0.385	0.417
	LTE Band 25_Ant 0	20M	QPSK	1	0	Edge 1	21mm	0	OFF	26340	1880	Auden	23.52	24.00	1.117	0.05	0.193	0.216
	LTE Band 25_Ant 0	20M	QPSK	50	0	Edge 1	21mm	0	OFF	26340	1880	Auden	22.65	23.00	1.084	0.06	0.177	0.192
	LTE Band 25_Ant 0	20M	QPSK	1	0	Edge 2	0mm	0	OFF	26340	1880	Auden	23.52	24.00	1.117	0.16	0.130	0.145
	LTE Band 25_Ant 0	20M	QPSK	50	0	Edge 2	0mm	0	OFF	26340	1880	Auden	22.65	23.00	1.084	0.13	0.110	0.119
	LTE Band 25_Ant 0	20M	QPSK	1	0	Bottom Face	0mm	0	ON	26340	1880	Auden	19.36	20.00	1.159	0.02	0.415	0.481
	LTE Band 25_Ant 0	20M	QPSK	50	0	Bottom Face	0mm	0	ON	26340	1880	Auden	19.25	20.00	1.189	-0.03	0.401	0.477
	LTE Band 25_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	26340	1880	Auden	19.36	20.00	1.159	0.13	0.827	0.958
	LTE Band 25_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	26140	1860	Auden	19.32	20.00	1.169	-0.13	0.887	1.037
	LTE Band 25_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	26590	1905	Auden	19.18	20.00	1.208	0.02	0.739	0.893
	LTE Band 25_Ant 0	20M	QPSK	50	0	Edge 1	0mm	0	ON	26340	1880	Auden	19.25	20.00	1.189	-0.15	0.816	0.970
	LTE Band 25_Ant 0	20M	QPSK	50	0	Edge 1	0mm	0	ON	26140	1860	Auden	19.09	20.00	1.233	0.09	0.836	1.031
	LTE Band 25_Ant 0	20M	QPSK	50	0	Edge 1	0mm	0	ON	26590	1905	Auden	18.98	20.00	1.265	0.01	0.808	1.022
	LTE Band 25_Ant 0	20M	QPSK	100	0	Edge 1	0mm	0	ON	26340	1880	Auden	19.20	20.00	1.202	0.01	0.815	0.980
	LTE Band 2C	20M	QPSK	1	0	Edge 1	0mm	0	ON	18900+18702	1880	Auden	19.90	20.00	1.023	0.11	0.758	0.776
	LTE Band 25_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	26140	1860	Speed	19.32	20.00	1.169	0.07	0.882	1.031
	LTE Band 25_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	26340	1880	Speed	19.36	20.00	1.159	-0.03	0.835	0.968
	LTE Band 25_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	26590	1905	Speed	19.18	20.00	1.208	0	0.746	0.901
	LTE Band 25_Ant 2	20M	QPSK	1	0	Bottom Face	14mm	2	OFF	26340	1880	Auden	23.35	24.00	1.161	-0.09	0.077	0.089
	LTE Band 25_Ant 2	20M	QPSK	50	0	Bottom Face	14mm	2	OFF	26340	1880	Auden	22.00	23.00	1.259	-0.08	0.055	0.069
	LTE Band 25_Ant 2	20M	QPSK	1	0	Edge 1	24mm	2	OFF	26340	1880	Auden	23.35	24.00	1.161	0.13	0.001	0.001
	LTE Band 25_Ant 2	20M	QPSK	50	0	Edge 1	24mm	2	OFF	26340	1880	Auden	22.00	23.00	1.259	0.12	0.001	0.001
	LTE Band 25_Ant 2	20M	QPSK	1	0	Edge 4	8mm	2	OFF	26340	1880	Auden	23.35	24.00	1.161	0.03	0.305	0.354
	LTE Band 25_Ant 2	20M	QPSK	50	0	Edge 4	8mm	2	OFF	26340	1880	Auden	22.00	23.00	1.259	0.18	0.278	0.350
	LTE Band 25_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	2	ON	26340	1880	Auden	22.17	23.00	1.211	-0.09	0.228	0.276
	LTE Band 25_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	2	ON	26340	1880	Auden	22.14	23.00	1.219	0.17	0.211	0.257
	LTE Band 25_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	26340	1880	Auden	22.17	23.00	1.211	-0.17	0.447	0.541
	LTE Band 25_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	26340	1880	Auden	22.14	23.00	1.219	0.02	0.431	0.525
	LTE Band 25_Ant 2	20M	QPSK	1	0	Edge 4	0mm	2	ON	26340	1880	Auden	22.17	23.00	1.211	-0.1	0.728	0.881
08	LTE Band 25_Ant 2	20M	QPSK	1	0	Edge 4	0mm	2	ON	26140	1860	Auden	22.03	23.00	1.250	-0.04	0.902	1.128
	LTE Band 25_Ant 2	20M	QPSK	1	0	Edge 4	0mm	2	ON	26590	1905	Auden	22.11	23.00	1.227	-0.17	0.765	0.939
	LTE Band 25_Ant 2	20M	QPSK	50	0	Edge 4	0mm	2	ON	26340	1880	Auden	22.14	23.00	1.219	0.01	0.713	0.869
	LTE Band 25_Ant 2	20M	QPSK	50	0	Edge 4	0mm	2	ON	26140	1860	Auden	21.93	23.00	1.279	0.03	0.856	1.095
	LTE Band 25_Ant 2	20M	QPSK	50	0	Edge 4	0mm	2	ON	26590	1905	Auden	21.98	23.00	1.265	-0.05	0.725	0.917
	LTE Band 25_Ant 2	20M	QPSK	100	0	Edge 4	0mm	2	ON	26340	1880	Auden	22.02	23.00	1.253	0.03	0.715	0.896
	LTE Band 25_Ant 2	20M	QPSK	1	0	Edge 4	0mm	2	ON	26140	1860	Speed	22.03	23.00	1.250	0.09	0.620	0.775



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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	4mm	0	OFF	26865	831.5	Auden	23.35	24.50	1.303	0.16	0.254	0.331
	LTE Band 26_Ant 0	15M	QPSK	36	0	Bottom Face	4mm	0	OFF	26865	831.5	Auden	22.51	23.50	1.256	-0.1	0.233	0.293
	LTE Band 26_Ant 0	15M	QPSK	1	0	Edge 1	21mm	0	OFF	26865	831.5	Auden	23.35	24.50	1.303	0.07	0.119	0.155
	LTE Band 26_Ant 0	15M	QPSK	36	0	Edge 1	21mm	0	OFF	26865	831.5	Auden	22.51	23.50	1.256	0.18	0.098	0.123
	LTE Band 26_Ant 0	15M	QPSK	1	0	Edge 2	0mm	0	OFF	26865	831.5	Auden	23.35	24.50	1.303	0.02	0.130	0.169
	LTE Band 26_Ant 0	15M	QPSK	36	0	Edge 2	0mm	0	OFF	26865	831.5	Auden	22.51	23.50	1.256	0.12	0.107	0.134
	LTE Band 26_Ant 0	15M	QPSK	1	0	Bottom Face	0mm	0	ON	26865	831.5	Auden	21.48	22.00	1.127	-0.09	0.327	0.369
	LTE Band 26_Ant 0	15M	QPSK	36	0	Bottom Face	0mm	0	ON	26865	831.5	Auden	21.32	22.00	1.169	0.03	0.315	0.368
09	LTE Band 26_Ant 0	15M	QPSK	1	0	Edge 1	0mm	0	ON	26865	831.5	Auden	21.48	22.00	1.127	0.07	0.893	1.007
	LTE Band 26_Ant 0	15M	QPSK	36	0	Edge 1	0mm	0	ON	26865	831.5	Auden	21.32	22.00	1.169	0.16	0.841	0.984
	LTE Band 26_Ant 0	15M	QPSK	75	0	Edge 1	0mm	0	ON	26865	831.5	Auden	21.29	22.00	1.178	0.01	0.826	0.973
	LTE Band 5B	15M	QPSK	1	0	Edge 1	0mm	0	ON	20450+20549	829	Auden	21.43	22.00	1.140	-0.08	0.703	0.802
	LTE Band 26_Ant 0	15M	QPSK	1	0	Edge 3	0mm	0	OFF	26865	831.5	Auden	23.35	24.50	1.303	-0.08	0.001	0.001
	LTE Band 26_Ant 0	15M	QPSK	36	0	Edge 3	0mm	0	OFF	26865	831.5	Auden	22.51	23.50	1.256	-0.13	0.001	0.001
	LTE Band 26_Ant 0	15M	QPSK	1	0	Edge 4	0mm	0	ON	26865	831.5	Auden	21.48	22.00	1.127	-0.13	0.001	0.001
	LTE Band 26_Ant 0	15M	QPSK	36	0	Edge 4	0mm	0	ON	26865	831.5	Auden	21.32	22.00	1.169	0.06	0.001	0.001
	LTE Band 26_Ant 0	15M	QPSK	1	0	Edge 1	0mm	0	ON	26865	831.5	Speed	21.48	22.00	1.127	-0.13	0.833	0.939
	LTE Band 30_Ant 0	10M	QPSK	1	0	Bottom Face	4mm	0	OFF	27710	2310	Auden	21.78	23.00	1.324	0.07	0.214	0.283
	LTE Band 30_Ant 0	10M	QPSK	25	0	Bottom Face	4mm	0	OFF	27710	2310	Auden	20.79	22.00	1.321	-0.18	0.197	0.260
	LTE Band 30_Ant 0	10M	QPSK	1	0	Edge 1	21mm	0	OFF	27710	2310	Auden	21.78	23.00	1.324	0.03	0.115	0.152
	LTE Band 30_Ant 0	10M	QPSK	25	0	Edge 1	21mm	0	OFF	27710	2310	Auden	20.79	22.00	1.321	-0.15	0.092	0.122
	LTE Band 30_Ant 0	10M	QPSK	1	0	Edge 2	0mm	0	OFF	27710	2310	Auden	21.78	23.00	1.324	-0.16	0.051	0.068
	LTE Band 30_Ant 0	10M	QPSK	25	0	Edge 2	0mm	0	OFF	27710	2310	Auden	20.79	22.00	1.321	0.07	0.034	0.045
	LTE Band 30_Ant 0	10M	QPSK	1	0	Bottom Face	0mm	0	ON	27710	2310	Auden	17.45	17.50	1.012	-0.18	0.217	0.220
	LTE Band 30_Ant 0	10M	QPSK	1	0	Bottom Face	0mm	0	ON	27710	2310	Auden	17.45	17.50	1.012	0.13	0.201	0.203
	LTE Band 30_Ant 0	10M	QPSK	1	0	Edge 1	0mm	0	ON	27710	2310	Auden	17.45	17.50	1.012	-0.11	0.854	0.864
	LTE Band 30_Ant 0	10M	QPSK	25	0	Edge 1	0mm	0	ON	27710	2310	Auden	17.31	17.50	1.045	0.09	0.805	0.841
	LTE Band 30_Ant 0	10M	QPSK	50	0	Edge 1	0mm	0	ON	27710	2310	Auden	17.29	17.50	1.050	0.01	0.791	0.830
	LTE Band 30_Ant 0	10M	QPSK	1	0	Edge 1	0mm	0	ON	27710	2310	Speed	17.45	17.50	1.012	-0.1	1.050	1.062
	LTE Band 30_Ant 2	10M	QPSK	1	0	Bottom Face	0mm	2	OFF	27710	2310	Auden	22.12	23.00	1.225	0.01	0.289	0.354
	LTE Band 30_Ant 2	10M	QPSK	25	0	Bottom Face	0mm	2	OFF	27710	2310	Auden	21.23	22.00	1.194	0.04	0.231	0.276
	LTE Band 30_Ant 2	10M	QPSK	1	0	Edge 1	0mm	2	OFF	27710	2310	Auden	22.12	23.00	1.225	0.06	0.678	0.830
	LTE Band 30_Ant 2	10M	QPSK	25	0	Edge 1	0mm	2	OFF	27710	2310	Auden	21.23	22.00	1.194	0.08	0.542	0.647
	LTE Band 30_Ant 2	10M	QPSK	50	0	Edge 1	0mm	2	OFF	27710	2310	Auden	21.13	22.00	1.222	-0.09	0.531	0.649
10	LTE Band 30_Ant 2	10M	QPSK	1	0	Edge 4	0mm	2	OFF	27710	2310	Auden	22.12	23.00	1.225	0.04	0.926	1.134
	LTE Band 30_Ant 2	10M	QPSK	25	0	Edge 4	0mm	2	OFF	27710	2310	Auden	21.23	22.00	1.194	0.01	0.855	1.021
	LTE Band 30_Ant 2	10M	QPSK	50	0	Edge 4	0mm	2	OFF	27710	2310	Auden	21.13	22.00	1.222	0.11	0.842	1.029
	LTE Band 30_Ant 2	10M	QPSK	1	0	Edge 4	0mm	2	OFF	27710	2310	Speed	22.12	23.00	1.225	0.02	0.817	1.001



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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 66_Ant 0	20M	QPSK	1	0	Bottom Face	4mm	0	OFF	132322	1745	Auden	23.23	24.00	1.194	-0.15	0.411	0.491
	LTE Band 66_Ant 0	20M	QPSK	50	0	Bottom Face	4mm	0	OFF	132322	1745	Auden	22.39	23.00	1.151	0.11	0.331	0.381
	LTE Band 66_Ant 0	20M	QPSK	1	0	Edge 1	21mm	0	OFF	132322	1745	Auden	23.23	24.00	1.194	-0.08	0.342	0.408
	LTE Band 66_Ant 0	20M	QPSK	50	0	Edge 1	21mm	0	OFF	132322	1745	Auden	22.39	23.00	1.151	-0.17	0.321	0.369
	LTE Band 66_Ant 0	20M	QPSK	1	0	Edge 2	0mm	0	OFF	132322	1745	Auden	23.23	24.00	1.194	0.01	0.077	0.092
	LTE Band 66_Ant 0	20M	QPSK	50	0	Edge 2	0mm	0	OFF	132322	1745	Auden	22.39	23.00	1.151	0.09	0.052	0.060
	LTE Band 66_Ant 0	20M	QPSK	1	0	Bottom Face	0mm	0	ON	132322	1745	Auden	18.19	19.50	1.352	0.07	0.289	0.391
	LTE Band 66_Ant 0	20M	QPSK	50	0	Bottom Face	0mm	0	ON	132322	1745	Auden	17.99	19.50	1.416	0.04	0.265	0.375
	LTE Band 66_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	132322	1745	Auden	18.19	19.50	1.352	-0.13	0.673	0.910
	LTE Band 66_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	132072	1720	Auden	18.00	19.50	1.413	0.08	0.730	1.031
	LTE Band 66_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	132572	1770	Auden	18.13	19.50	1.371	0.16	0.663	0.909
	LTE Band 66_Ant 0	20M	QPSK	50	0	Edge 1	0mm	0	ON	132322	1745	Auden	17.99	19.50	1.416	0.11	0.651	0.922
	LTE Band 66_Ant 0	20M	QPSK	50	0	Edge 1	0mm	0	ON	132072	1720	Auden	17.86	19.50	1.459	0.13	0.705	1.028
	LTE Band 66_Ant 0	20M	QPSK	50	0	Edge 1	0mm	0	ON	132572	1770	Auden	17.96	19.50	1.426	-0.11	0.682	0.972
	LTE Band 66_Ant 0	20M	QPSK	100	0	Edge 1	0mm	0	ON	132072	1720	Auden	17.85	19.50	1.462	0.08	0.699	1.022
	LTE Band66B	15M	QPSK	1	0	Edge 1	0mm	0	ON	132322+132229	1745	Auden	17.92	19.50	1.439	0.08	0.752	1.082
	LTE Band66B	15M	QPSK	1	0	Edge 1	0mm	0	ON	132047+132140	1717.5	Auden	17.87	19.50	1.455	0.01	0.668	0.972
	LTE Band66B	15M	QPSK	1	0	Edge 1	0mm	0	ON	132597+132504	1772.5	Auden	17.89	19.50	1.449	0.03	0.694	1.005
	LTE Band66C	20M	QPSK	1	0	Edge 1	0mm	0	ON	132072+132270	1720	Auden	17.99	19.50	1.416	-0.08	0.726	1.028
	LTE Band66C	20M	QPSK	1	0	Edge 1	0mm	0	ON	132322+132124	1745	Auden	17.87	19.50	1.455	-0.08	0.731	1.064
	LTE Band66C	20M	QPSK	1	0	Edge 1	0mm	0	ON	132572+132374	1770	Auden	17.89	19.50	1.449	0.1	0.695	1.007
	LTE Band 66_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	132072	1720	Speed	18.00	19.50	1.413	-0.05	0.789	1.114
	LTE Band 66_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	132322	1745	Speed	18.19	19.50	1.352	-0.16	0.722	0.976
	LTE Band 66_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	132572	1770	Speed	18.13	19.50	1.371	-0.04	0.741	1.016
	LTE Band 66_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	2	OFF	132322	1745	Auden	23.30	24.00	1.175	-0.06	0.222	0.261
	LTE Band 66_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	2	OFF	132322	1745	Auden	21.89	23.00	1.291	0.07	0.176	0.227
	LTE Band 66_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	OFF	132322	1745	Auden	23.30	24.00	1.175	-0.15	0.441	0.518
	LTE Band 66_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	OFF	132322	1745	Auden	21.89	23.00	1.291	0.1	0.352	0.455
11	LTE Band 66_Ant 2	20M	QPSK	1	0	Edge 4	0mm	2	OFF	132322	1745	Auden	23.30	24.00	1.175	-0.02	0.995	1.169
	LTE Band 66_Ant 2	20M	QPSK	1	0	Edge 4	0mm	2	OFF	132072	1720	Auden	23.14	24.00	1.219	-0.13	0.885	1.079
	LTE Band 66_Ant 2	20M	QPSK	1	0	Edge 4	0mm	2	OFF	132572	1770	Auden	23.09	24.00	1.233	0.16	0.875	1.079
	LTE Band 66_Ant 2	20M	QPSK	50	0	Edge 4	0mm	2	OFF	132322	1745	Auden	21.89	23.00	1.291	-0.06	0.710	0.917
	LTE Band 66_Ant 2	20M	QPSK	50	0	Edge 4	0mm	2	OFF	132072	1720	Auden	21.82	23.00	1.312	0.02	0.708	0.929
	LTE Band 66_Ant 2	20M	QPSK	50	0	Edge 4	0mm	2	OFF	132572	1770	Auden	21.72	23.00	1.343	0.14	0.703	0.944
	LTE Band 66_Ant 2	20M	QPSK	100	0	Edge 4	0mm	2	OFF	132322	1745	Auden	21.80	23.00	1.318	0.13	0.697	0.919
	LTE Band 66_Ant 2	20M	QPSK	1	0	Edge 4	0mm	2	OFF	132322	1745	Speed	23.30	24.00	1.175	-0.15	0.744	0.874
	LTE Band 66_Ant 2	20M	QPSK	1	0	Edge 4	0mm	2	OFF	132072	1720	Speed	23.14	24.00	1.219	-0.02	0.762	0.929
	LTE Band 66_Ant 2	20M	QPSK	1	0	Edge 4	0mm	2	OFF	132572	1770	Speed	23.09	24.00	1.233	-0.09	0.718	0.885
	LTE Band 71_Ant 0	20M	QPSK	1	0	Bottom Face	4mm	0	OFF	133297	680.5	Auden	23.30	24.50	1.318	-0.08	0.232	0.306
	LTE Band 71_Ant 0	20M	QPSK	50	0	Bottom Face	4mm	0	OFF	133297	680.5	Auden	22.56	23.50	1.242	-0.04	0.205	0.255
	LTE Band 71_Ant 0	20M	QPSK	1	0	Edge 1	21mm	0	OFF	133297	680.5	Auden	23.30	24.50	1.318	-0.08	0.086	0.113
	LTE Band 71_Ant 0	20M	QPSK	50	0	Edge 1	21mm	0	OFF	133297	680.5	Auden	22.56	23.50	1.242	0.17	0.069	0.086
	LTE Band 71_Ant 0	20M	QPSK	1	0	Edge 2	0mm	0	OFF	133297	680.5	Auden	23.30	24.50	1.318	-0.16	0.069	0.091
	LTE Band 71_Ant 0	20M	QPSK	50	0	Edge 2	0mm	0	OFF	133297	680.5	Auden	22.56	23.50	1.242	0.01	0.038	0.047
	LTE Band 71_Ant 0	20M	QPSK	1	0	Bottom Face	0mm	0	ON	133297	680.5	Auden	21.66	22.50	1.213	0.07	0.222	0.269
	LTE Band 71_Ant 0	20M	QPSK	50	0	Bottom Face	0mm	0	ON	133297	680.5	Auden	21.65	22.50	1.216	0.06	0.203	0.247
12	LTE Band 71_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	133297	680.5	Auden	21.66	22.50	1.213	0.07	0.875	1.062
	LTE Band 71_Ant 0	20M	QPSK	50	0	Edge 1	0mm	0	ON	133297	680.5	Auden	21.65	22.50	1.216	0.02	0.825	1.003
	LTE Band 71_Ant 0	20M	QPSK	100	0	Edge 1	0mm	0	ON	133297	680.5	Auden	21.64	22.50	1.219	0.07	0.815	0.993
	LTE Band 71_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	133297	680.5	Speed	21.66	22.50	1.213	-0.18	0.799	0.969



<TDD LTE SAR>

Table with columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB offset, Test Position, Gap (mm), Antenna, 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). Row 13 is highlighted in green.



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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 2	20M	QPSK	1	0	Bottom Face	14mm	2	OFF	41490	2680	Auden	23.12	24.00	1.225	62.9	1.006	0.18	0.110	0.136
	LTE Band 41_Ant 2	20M	QPSK	50	0	Bottom Face	14mm	2	OFF	41490	2680	Auden	21.92	23.00	1.282	62.9	1.006	-0.04	0.088	0.114
	LTE Band 41_Ant 2	20M	QPSK	1	0	Edge 1	24mm	2	OFF	41490	2680	Auden	23.12	24.00	1.225	62.9	1.006	-0.08	0.158	0.195
	LTE Band 41_Ant 2	20M	QPSK	50	0	Edge 1	24mm	2	OFF	41490	2680	Auden	21.92	23.00	1.282	62.9	1.006	-0.13	0.127	0.164
	LTE Band 41_Ant 2	20M	QPSK	1	0	Edge 4	8mm	2	OFF	41490	2680	Auden	23.12	24.00	1.225	62.9	1.006	-0.13	0.134	0.165
	LTE Band 41_Ant 2	20M	QPSK	50	0	Edge 4	8mm	2	OFF	41490	2680	Auden	21.92	23.00	1.282	62.9	1.006	0.06	0.109	0.141
	LTE Band 41_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	2	ON	41490	2680	Auden	19.39	20.00	1.151	62.9	1.006	0.05	0.191	0.221
	LTE Band 41_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	2	ON	41490	2680	Auden	18.99	20.00	1.262	62.9	1.006	-0.05	0.158	0.201
	LTE Band 41_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	41490	2680	Auden	19.39	20.00	1.151	62.9	1.006	-0.04	0.724	0.838
	LTE Band 41_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	39750	2506	Auden	18.54	20.00	1.400	62.9	1.006	-0.11	0.397	0.559
	LTE Band 41_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	40185	2549.5	Auden	18.58	20.00	1.387	62.9	1.006	0.19	0.505	0.705
	LTE Band 41_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	40620	2593	Auden	18.66	20.00	1.361	62.9	1.006	-0.14	0.583	0.798
	LTE Band 41_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	41055	2636.5	Auden	18.78	20.00	1.324	62.9	1.006	-0.18	0.583	0.777
	LTE Band 41_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	41490	2680	Auden	18.99	20.00	1.262	62.9	1.006	-0.04	0.486	0.617
	LTE Band 41_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	39750	2506	Auden	18.35	20.00	1.462	62.9	1.006	0.14	0.356	0.524
	LTE Band 41_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	40185	2549.5	Auden	18.38	20.00	1.452	62.9	1.006	-0.17	0.482	0.704
	LTE Band 41_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	40620	2593	Auden	18.50	20.00	1.413	62.9	1.006	0.17	0.447	0.635
	LTE Band 41_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	41055	2636.5	Auden	18.61	20.00	1.377	62.9	1.006	-0.05	0.469	0.650
	LTE Band 41_Ant 2	20M	QPSK	100	0	Edge 1	0mm	2	ON	41490	2680	Auden	18.90	20.00	1.288	62.9	1.006	0	0.633	0.820
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	41490	2680	Auden	19.39	20.00	1.151	42.9	1.009	-0.06	0.449	0.521
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	41055	2636.5	Auden	19.30	20.00	1.175	42.9	1.009	0.1	0.415	0.492
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	40620	2593	Auden	18.66	20.00	1.361	42.9	1.009	0.12	0.371	0.510
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	40185	2549.5	Auden	18.58	20.00	1.387	42.9	1.009	0.08	0.361	0.505
	LTE Band 41_HPUE_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	39750	2506	Auden	18.54	20.00	1.400	42.9	1.009	-0.17	0.366	0.517
	LTE Band 41_Ant 2	20M	QPSK	1	0	Edge 4	0mm	2	ON	41490	2680	Auden	19.39	20.00	1.151	62.9	1.006	-0.13	0.411	0.476
	LTE Band 41_Ant 2	20M	QPSK	50	0	Edge 4	0mm	2	ON	41490	2680	Auden	18.99	20.00	1.262	62.9	1.006	0.03	0.325	0.413
	LTE Band 41_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	41490	2680	Speed	19.39	20.00	1.151	62.9	1.006	0.12	0.692	0.801
	LTE Band 41_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	39750	2506	Speed	18.54	20.00	1.400	62.9	1.006	0.16	0.578	0.814
	LTE Band 41_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	40185	2549.5	Speed	18.58	20.00	1.387	62.9	1.006	0.01	0.552	0.770
	LTE Band 41_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	40620	2593	Speed	18.66	20.00	1.361	62.9	1.006	-0.04	0.569	0.779
	LTE Band 41_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	41055	2636.5	Speed	18.78	20.00	1.324	62.9	1.006	-0.04	0.581	0.774



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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	Bottom Face	4mm	0	OFF	43340	3575	Auden	23.95	24.00	1.012	62.9	1.006	-0.03	0.402	0.409
	LTE Band 42_Ant 0	20M	QPSK	50	0	Bottom Face	4mm	0	OFF	43340	3575	Auden	22.47	23.00	1.130	62.9	1.006	-0.03	0.312	0.355
	LTE Band 42_Ant 0	20M	QPSK	1	0	Edge 1	21mm	0	OFF	43340	3575	Auden	23.95	24.00	1.012	62.9	1.006	0.08	0.151	0.154
	LTE Band 42_Ant 0	20M	QPSK	50	0	Edge 1	21mm	0	OFF	43340	3575	Auden	22.47	23.00	1.130	62.9	1.006	-0.07	0.113	0.128
	LTE Band 42_Ant 0	20M	QPSK	1	0	Edge 2	0mm	0	OFF	43340	3575	Auden	23.95	24.00	1.012	62.9	1.006	-0.03	0.099	0.101
	LTE Band 42_Ant 0	20M	QPSK	50	0	Edge 2	0mm	0	OFF	43340	3575	Auden	22.47	23.00	1.130	62.9	1.006	0.13	0.075	0.085
	LTE Band 42_Ant 0	20M	QPSK	1	0	Bottom Face	0mm	0	ON	43340	3575	Auden	18.11	19.00	1.227	62.9	1.006	0	0.255	0.315
	LTE Band 42_Ant 0	20M	QPSK	50	0	Bottom Face	0mm	0	ON	43340	3575	Auden	18.08	19.00	1.236	62.9	1.006	0.1	0.233	0.290
	LTE Band 42_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	43340	3575	Auden	18.11	19.00	1.227	62.9	1.006	-0.03	0.863	1.066
	LTE Band 42_Ant 0	20M	QPSK	50	0	Edge 1	0mm	0	ON	43340	3575	Auden	18.08	19.00	1.236	62.9	1.006	0.06	0.803	0.998
	LTE Band 42_Ant 0	20M	QPSK	100	0	Edge 1	0mm	0	ON	43340	3575	Auden	18.09	19.00	1.233	62.9	1.006	0.1	0.801	0.994
	LTE Band 42C	20M	QPSK	1	0	Edge 1	0mm	0	ON	43340+43538	3575	Auden	17.88	19.00	1.294	62.9	1.006	0.01	0.758	0.987
	LTE Band 42_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	43340	3575	Speed	18.11	19.00	1.227	62.9	1.006	0.02	0.556	0.687
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom Face	14mm	2	OFF	43340	3575	Auden	22.91	24.00	1.285	62.9	1.006	0.05	0.148	0.191
	LTE Band 42_Ant 2	20M	QPSK	50	0	Bottom Face	14mm	2	OFF	43340	3575	Auden	21.82	23.00	1.312	62.9	1.006	-0.11	0.116	0.153
	LTE Band 42_Ant 2	20M	QPSK	1	0	Edge 1	24mm	2	OFF	43340	3575	Auden	22.91	24.00	1.285	62.9	1.006	-0.12	0.200	0.259
	LTE Band 42_Ant 2	20M	QPSK	50	0	Edge 1	24mm	2	OFF	43340	3575	Auden	21.82	23.00	1.312	62.9	1.006	0.03	0.158	0.209
	LTE Band 42_Ant 2	20M	QPSK	1	0	Edge 4	8mm	2	OFF	43340	3575	Auden	22.91	24.00	1.285	62.9	1.006	-0.16	0.230	0.297
	LTE Band 42_Ant 2	20M	QPSK	50	0	Edge 4	8mm	2	OFF	43340	3575	Auden	21.82	23.00	1.312	62.9	1.006	-0.02	0.196	0.259
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	2	ON	43340	3575	Auden	15.52	16.50	1.253	62.9	1.006	0.05	0.114	0.144
	LTE Band 42_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	2	ON	43340	3575	Auden	15.40	16.50	1.288	62.9	1.006	-0.1	0.080	0.104
	LTE Band 42_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	43340	3575	Auden	15.52	16.50	1.253	62.9	1.006	0	0.575	0.725
	LTE Band 42_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	43340	3575	Auden	15.40	16.50	1.288	62.9	1.006	0.08	0.523	0.678
	LTE Band 42_Ant 2	20M	QPSK	1	0	Edge 4	0mm	2	ON	43340	3575	Auden	15.52	16.50	1.253	62.9	1.006	0.07	0.217	0.274
	LTE Band 42_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	43340	3575	Speed	15.52	16.50	1.253	62.9	1.006	-0.01	0.663	0.836



FCC SAR TEST REPORT

Report No. : FA3N0602

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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	Bottom Face	4mm	0	OFF	42990	3540	Auden	23.88	24.00	1.028	62.9	1.006	0.05	0.292	0.302
	LTE Band 42_Ant 0	20M	QPSK	50	0	Bottom Face	4mm	0	OFF	42990	3540	Auden	22.75	23.00	1.059	62.9	1.006	-0.08	0.243	0.259
	LTE Band 42_Ant 0	20M	QPSK	1	0	Edge 1	21mm	0	OFF	42990	3540	Auden	23.88	24.00	1.028	62.9	1.006	0.05	0.137	0.142
	LTE Band 42_Ant 0	20M	QPSK	50	0	Edge 1	21mm	0	OFF	42990	3540	Auden	22.75	23.00	1.059	62.9	1.006	0.16	0.091	0.097
	LTE Band 42_Ant 0	20M	QPSK	1	0	Edge 2	0mm	0	OFF	42990	3540	Auden	23.88	24.00	1.028	62.9	1.006	-0.05	0.138	0.143
	LTE Band 42_Ant 0	20M	QPSK	50	0	Edge 2	0mm	0	OFF	42990	3540	Auden	22.75	23.00	1.059	62.9	1.006	0.07	0.111	0.118
	LTE Band 42_Ant 0	20M	QPSK	1	0	Bottom Face	0mm	0	ON	42990	3540	Auden	18.12	19.00	1.225	62.9	1.006	-0.13	0.271	0.334
	LTE Band 42_Ant 0	20M	QPSK	50	0	Bottom Face	0mm	0	ON	42990	3540	Auden	18.11	19.00	1.227	62.9	1.006	-0.17	0.214	0.264
	LTE Band 42_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	42990	3540	Auden	18.12	19.00	1.225	62.9	1.006	0.04	0.807	0.994
	LTE Band 42_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	42190	3460	Auden	18.06	19.00	1.242	62.9	1.006	-0.11	0.679	0.848
	LTE Band 42_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	42590	3500	Auden	18.06	19.00	1.242	62.9	1.006	0.03	0.788	0.984
	LTE Band 42_Ant 0	20M	QPSK	50	0	Edge 1	0mm	0	ON	42990	3540	Auden	18.11	19.00	1.227	62.9	1.006	-0.03	0.801	0.989
	LTE Band 42_Ant 0	20M	QPSK	50	0	Edge 1	0mm	0	ON	42190	3460	Auden	18.09	19.00	1.233	62.9	1.006	0.14	0.755	0.937
	LTE Band 42_Ant 0	20M	QPSK	50	0	Edge 1	0mm	0	ON	42590	3500	Auden	18.09	19.00	1.233	62.9	1.006	0.11	0.715	0.887
	LTE Band 42_Ant 0	20M	QPSK	100	0	Edge 1	0mm	0	ON	42990	3540	Auden	18.10	19.00	1.230	62.9	1.006	0.03	0.764	0.946
	LTE Band 42C	20M	QPSK	1	0	Edge 1	0mm	0	ON	42990+42792	3540	Auden	17.89	19.00	1.291	62.9	1.006	-0.11	0.712	0.925
	LTE Band 42C	20M	QPSK	1	0	Edge 1	0mm	0	ON	42190+42388	3460	Auden	17.84	19.00	1.306	62.9	1.006	0.07	0.688	0.904
	LTE Band 42C	20M	QPSK	1	0	Edge 1	0mm	0	ON	42590+42788	3500	Auden	17.75	19.00	1.334	62.9	1.006	0.09	0.706	0.947
	LTE Band 42_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	42990	3540	Speed	18.12	19.00	1.225	62.9	1.006	0.14	0.775	0.955
	LTE Band 42_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	42190	3460	Speed	18.06	19.00	1.242	62.9	1.006	-0.01	0.646	0.807
	LTE Band 42_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	42590	3500	Speed	18.06	19.00	1.242	62.9	1.006	-0.12	0.659	0.823
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom Face	14mm	2	OFF	42990	3540	Auden	23.03	24.00	1.250	62.9	1.006	-0.03	0.150	0.189
	LTE Band 42_Ant 2	20M	QPSK	50	0	Bottom Face	14mm	2	OFF	42990	3540	Auden	21.87	23.00	1.297	62.9	1.006	-0.15	0.118	0.154
	LTE Band 42_Ant 2	20M	QPSK	1	0	Edge 1	24mm	2	OFF	42990	3540	Auden	23.03	24.00	1.250	62.9	1.006	0.02	0.155	0.195
	LTE Band 42_Ant 2	20M	QPSK	50	0	Edge 1	24mm	2	OFF	42990	3540	Auden	21.87	23.00	1.297	62.9	1.006	0.07	0.117	0.153
	LTE Band 42_Ant 2	20M	QPSK	1	0	Edge 4	8mm	2	OFF	42990	3540	Auden	23.03	24.00	1.250	62.9	1.006	0.16	0.233	0.293
	LTE Band 42_Ant 2	20M	QPSK	50	0	Edge 4	8mm	2	OFF	42990	3540	Auden	21.87	23.00	1.297	62.9	1.006	0.13	0.205	0.268
	LTE Band 42_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	2	ON	42990	3540	Auden	15.63	16.50	1.222	62.9	1.006	0.11	0.122	0.150
	LTE Band 42_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	2	ON	42990	3540	Auden	15.53	16.50	1.250	62.9	1.006	-0.05	0.118	0.148
	LTE Band 42_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	42990	3540	Auden	15.63	16.50	1.222	62.9	1.006	-0.13	0.685	0.842
14	LTE Band 42_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	42190	3460	Auden	15.56	16.50	1.242	62.9	1.006	-0.01	0.888	1.109
	LTE Band 42_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	42590	3500	Auden	15.49	16.50	1.262	62.9	1.006	0.17	0.828	1.051
	LTE Band 42_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	42990	3540	Auden	15.53	16.50	1.250	62.9	1.006	0.01	0.701	0.882
	LTE Band 42_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	42190	3460	Auden	15.40	16.50	1.288	62.9	1.006	0.1	0.825	1.069
	LTE Band 42_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	42590	3500	Auden	15.37	16.50	1.297	62.9	1.006	-0.17	0.774	1.010
	LTE Band 42_Ant 2	20M	QPSK	100	0	Edge 1	0mm	2	ON	42990	3540	Auden	15.50	16.50	1.259	62.9	1.006	0.01	0.688	0.871
	LTE Band 42_Ant 2	20M	QPSK	1	0	Edge 4	0mm	2	ON	42990	3540	Auden	15.63	16.50	1.222	62.9	1.006	0.12	0.204	0.251
	LTE Band 42_Ant 2	20M	QPSK	50	0	Edge 4	0mm	2	ON	42990	3540	Auden	15.53	16.50	1.250	62.9	1.006	0	0.153	0.192
	LTE Band 42_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	42190	3460	Speed	15.56	16.50	1.242	62.9	1.006	-0.17	0.884	1.104
	LTE Band 42_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	42990	3540	Speed	15.63	16.50	1.222	62.9	1.006	-0.16	0.723	0.889
	LTE Band 42_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	42590	3500	Speed	15.49	16.50	1.262	62.9	1.006	0.11	0.793	1.007



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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	Bottom Face	4mm	0	OFF	44090	3650	Auden	23.59	24.00	1.099	62.9	1.006	-0.17	0.207	0.229
	LTE Band 43_Ant 0	20M	QPSK	50	0	Bottom Face	4mm	0	OFF	44090	3650	Auden	22.63	23.00	1.089	62.9	1.006	-0.03	0.173	0.190
	LTE Band 43_Ant 0	20M	QPSK	1	0	Edge 1	21mm	0	OFF	44090	3650	Auden	23.59	24.00	1.099	62.9	1.006	0.14	0.130	0.144
	LTE Band 43_Ant 0	20M	QPSK	50	0	Edge 1	21mm	0	OFF	44090	3650	Auden	22.63	23.00	1.089	62.9	1.006	0.11	0.095	0.104
	LTE Band 43_Ant 0	20M	QPSK	1	0	Edge 2	0mm	0	OFF	44090	3650	Auden	23.59	24.00	1.099	62.9	1.006	0.06	0.001	0.001
	LTE Band 43_Ant 0	20M	QPSK	50	0	Edge 2	0mm	0	OFF	44090	3650	Auden	22.63	23.00	1.089	62.9	1.006	-0.08	0.001	0.001
	LTE Band 43_Ant 0	20M	QPSK	1	0	Bottom Face	0mm	0	ON	44090	3650	Auden	18.18	19.00	1.208	62.9	1.006	-0.05	0.102	0.124
	LTE Band 43_Ant 0	20M	QPSK	50	0	Bottom Face	0mm	0	ON	44090	3650	Auden	18.10	19.00	1.230	62.9	1.006	-0.08	0.069	0.085
	LTE Band 43_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	44090	3650	Auden	18.18	19.00	1.208	62.9	1.006	-0.03	0.661	0.803
	LTE Band 43_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	43690	3610	Auden	18.15	19.00	1.216	62.9	1.006	0.17	0.638	0.781
15	LTE Band 43_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	44490	3690	Auden	18.15	19.00	1.216	62.9	1.006	-0.06	0.734	0.898
	LTE Band 43_Ant 0	20M	QPSK	50	0	Edge 1	0mm	0	ON	44090	3650	Auden	18.10	19.00	1.230	62.9	1.006	0.17	0.603	0.746
	LTE Band 43_Ant 0	20M	QPSK	50	0	Edge 1	0mm	0	ON	43690	3610	Auden	18.03	19.00	1.250	62.9	1.006	0.18	0.662	0.833
	LTE Band 43_Ant 0	20M	QPSK	50	0	Edge 1	0mm	0	ON	44490	3690	Auden	18.09	19.00	1.233	62.9	1.006	-0.04	0.715	0.887
	LTE Band 43_Ant 0	20M	QPSK	100	0	Edge 1	0mm	0	ON	44490	3690	Auden	18.08	19.00	1.236	62.9	1.006	-0.02	0.682	0.848
	LTE Band 43C	20M	QPSK	1	0	Edge 1	0mm	0	ON	44490+44292	3690	Auden	18.04	19.00	1.247	62.9	1.006	0.05	0.658	0.826
	LTE Band 43C	20M	QPSK	1	0	Edge 1	0mm	0	ON	43690+43888	3610	Auden	18.03	19.00	1.250	62.9	1.006	0.06	0.639	0.804
	LTE Band 43C	20M	QPSK	1	0	Edge 1	0mm	0	ON	44090+44288	3650	Auden	17.68	19.00	1.355	62.9	1.006	-0.09	0.606	0.826
	LTE Band 43_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	44490	3690	Speed	18.15	19.00	1.216	62.9	1.006	-0.12	0.690	0.844
	LTE Band 43_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	44090	3650	Speed	18.18	19.00	1.208	62.9	1.006	-0.06	0.580	0.705
	LTE Band 43_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	43690	3610	Speed	18.15	19.00	1.216	62.9	1.006	-0.15	0.572	0.700
	LTE Band 43_Ant 2	20M	QPSK	1	0	Bottom Face	14mm	2	OFF	44090	3650	Auden	23.25	24.00	1.189	62.9	1.006	-0.05	0.184	0.220
	LTE Band 43_Ant 2	20M	QPSK	50	0	Bottom Face	14mm	2	OFF	44090	3650	Auden	21.86	23.00	1.300	62.9	1.006	0.18	0.151	0.198
	LTE Band 43_Ant 2	20M	QPSK	1	0	Edge 1	24mm	2	OFF	44090	3650	Auden	23.25	24.00	1.189	62.9	1.006	0.14	0.224	0.268
	LTE Band 43_Ant 2	20M	QPSK	50	0	Edge 1	24mm	2	OFF	44090	3650	Auden	21.86	23.00	1.300	62.9	1.006	-0.17	0.179	0.234
	LTE Band 43_Ant 2	20M	QPSK	1	0	Edge 4	8mm	2	OFF	44090	3650	Auden	23.25	24.00	1.189	62.9	1.006	0.17	0.246	0.294
	LTE Band 43_Ant 2	20M	QPSK	50	0	Edge 4	8mm	2	OFF	44090	3650	Auden	21.86	23.00	1.300	62.9	1.006	-0.05	0.209	0.273
	LTE Band 43_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	2	ON	44090	3650	Auden	15.91	16.50	1.146	62.9	1.006	0.02	0.137	0.158
	LTE Band 43_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	2	ON	44090	3650	Auden	15.76	16.50	1.186	62.9	1.006	0.02	0.137	0.163
	LTE Band 43_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	44090	3650	Auden	15.91	16.50	1.146	62.9	1.006	0	0.751	0.865
	LTE Band 43_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	43690	3610	Auden	15.66	16.50	1.213	62.9	1.006	-0.05	0.701	0.856
	LTE Band 43_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	44490	3690	Auden	15.88	16.50	1.153	62.9	1.006	-0.04	0.674	0.782
	LTE Band 43_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	44090	3650	Auden	15.76	16.50	1.186	62.9	1.006	0.08	0.712	0.849
	LTE Band 43_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	43690	3610	Auden	15.54	16.50	1.247	62.9	1.006	-0.07	0.662	0.831
	LTE Band 43_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	44490	3690	Auden	15.71	16.50	1.199	62.9	1.006	0.05	0.603	0.728
	LTE Band 43_Ant 2	20M	QPSK	100	0	Edge 1	0mm	2	ON	44090	3650	Auden	15.77	16.50	1.183	62.9	1.006	0.13	0.695	0.827
	LTE Band 43_Ant 2	20M	QPSK	1	0	Edge 4	0mm	2	ON	44090	3650	Auden	15.91	16.50	1.146	62.9	1.006	-0.11	0.254	0.293
	LTE Band 43_Ant 2	20M	QPSK	50	0	Edge 4	0mm	2	ON	44090	3650	Auden	15.76	16.50	1.186	62.9	1.006	-0.11	0.238	0.284
	LTE Band 43_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	44090	3650	Speed	15.91	16.50	1.146	62.9	1.006	-0.08	0.702	0.809
	LTE Band 43_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	43690	3610	Speed	15.66	16.50	1.213	62.9	1.006	0	0.676	0.825
	LTE Band 43_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	44490	3690	Speed	15.88	16.50	1.153	62.9	1.006	-0.14	0.656	0.761



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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 of Laptop	0mm	0	OFF	56640	3690	Auden	21.88	22.00	1.028	62.9	1.006	0.14	0.001	0.001
	LTE Band 48_Ant 0	20M	QPSK	50	0	Bottom of Laptop	0mm	0	OFF	56640	3690	Auden	20.78	21.00	1.052	62.9	1.006	-0.01	0.001	0.001
	LTE Band 48_Ant 0	20M	QPSK	1	0	Bottom Face	4mm	0	OFF	56640	3690	Auden	21.88	22.00	1.028	62.9	1.006	0.13	0.118	0.122
	LTE Band 48_Ant 0	20M	QPSK	50	0	Bottom Face	4mm	0	OFF	56640	3690	Auden	20.78	21.00	1.052	62.9	1.006	0.12	0.085	0.090
	LTE Band 48_Ant 0	20M	QPSK	1	0	Edge 1	21mm	0	OFF	56640	3690	Auden	21.88	22.00	1.028	62.9	1.006	0.03	0.092	0.095
	LTE Band 48_Ant 0	20M	QPSK	50	0	Edge 1	21mm	0	OFF	56640	3690	Auden	20.78	21.00	1.052	62.9	1.006	0.18	0.068	0.072
	LTE Band 48_Ant 0	20M	QPSK	1	0	Edge 2	0mm	0	OFF	56640	3690	Auden	21.88	22.00	1.028	62.9	1.006	-0.04	0.001	0.001
	LTE Band 48_Ant 0	20M	QPSK	50	0	Edge 2	0mm	0	OFF	56640	3690	Auden	20.78	21.00	1.052	62.9	1.006	0.12	0.001	0.001
	LTE Band 48_Ant 0	20M	QPSK	1	0	Bottom Face	0mm	0	ON	56640	3690	Auden	18.33	19.00	1.167	62.9	1.006	-0.03	0.070	0.082
	LTE Band 48_Ant 0	20M	QPSK	50	0	Bottom Face	0mm	0	ON	56640	3690	Auden	18.32	19.00	1.169	62.9	1.006	-0.06	0.052	0.061
	LTE Band 48_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	56640	3690	Auden	18.33	19.00	1.167	62.9	1.006	-0.14	0.695	0.816
	LTE Band 48_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	55340	3560	Auden	18.32	19.00	1.169	62.9	1.006	0.17	0.657	0.773
	LTE Band 48_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	55830	3609	Auden	18.20	19.00	1.202	62.9	1.006	0.11	0.581	0.703
	LTE Band 48_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	56150	3641	Auden	18.27	19.00	1.183	62.9	1.006	0.07	0.589	0.701
	LTE Band 48_Ant 0	20M	QPSK	50	0	Edge 1	0mm	0	ON	56640	3690	Auden	18.32	19.00	1.169	62.9	1.006	-0.04	0.623	0.733
	LTE Band 48_Ant 0	20M	QPSK	50	0	Edge 1	0mm	0	ON	55340	3560	Auden	18.25	19.00	1.189	62.9	1.006	-0.09	0.558	0.667
	LTE Band 48_Ant 0	20M	QPSK	50	0	Edge 1	0mm	0	ON	55830	3609	Auden	18.19	19.00	1.205	62.9	1.006	-0.17	0.602	0.730
	LTE Band 48_Ant 0	20M	QPSK	50	0	Edge 1	0mm	0	ON	56150	3641	Auden	18.18	19.00	1.208	62.9	1.006	-0.1	0.578	0.702
	LTE Band 48_Ant 0	20M	QPSK	100	0	Edge 1	0mm	0	ON	56640	3690	Auden	18.27	19.00	1.183	62.9	1.006	-0.01	0.673	0.801
	LTE Band 48C	20M	QPSK	1	0	Edge 1	0mm	0	ON	55340+55538	3560	Auden	18.30	19.00	1.175	62.9	1.006	0.07	0.642	0.759
	LTE Band 48C	20M	QPSK	1	0	Edge 1	0mm	0	ON	55830+55632	3609	Auden	18.23	19.00	1.194	62.9	1.006	0.18	0.603	0.724
	LTE Band 48C	20M	QPSK	1	0	Edge 1	0mm	0	ON	56150+55952	3641	Auden	18.21	19.00	1.199	62.9	1.006	-0.1	0.589	0.711
	LTE Band 48C	20M	QPSK	1	0	Edge 1	0mm	0	ON	56640+56442	3690	Auden	18.30	19.00	1.175	62.9	1.006	0.01	0.594	0.702
16	LTE Band 48_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	56640	3690	Speed	18.33	19.00	1.167	62.9	1.006	-0.14	0.956	1.122
	LTE Band 48_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	55340	3560	Speed	18.32	19.00	1.169	62.9	1.006	-0.13	0.744	0.875
	LTE Band 48_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	55830	3609	Speed	18.20	19.00	1.202	62.9	1.006	-0.13	0.771	0.933
	LTE Band 48_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	56150	3641	Speed	18.27	19.00	1.183	62.9	1.006	0	0.799	0.951
	LTE Band 48_Ant 2	20M	QPSK	1	0	Bottom Face	14mm	2	OFF	56640	3690	Auden	21.07	22.00	1.239	62.9	1.006	0.16	0.116	0.145
	LTE Band 48_Ant 2	20M	QPSK	50	0	Bottom Face	14mm	2	OFF	56640	3690	Auden	19.98	21.00	1.265	62.9	1.006	-0.1	0.081	0.103
	LTE Band 48_Ant 2	20M	QPSK	1	0	Edge 1	24mm	2	OFF	56640	3690	Auden	21.07	22.00	1.239	62.9	1.006	0.07	0.137	0.171
	LTE Band 48_Ant 2	20M	QPSK	50	0	Edge 1	24mm	2	OFF	56640	3690	Auden	19.98	21.00	1.265	62.9	1.006	0.18	0.088	0.112
	LTE Band 48_Ant 2	20M	QPSK	1	0	Edge 4	8mm	2	OFF	56640	3690	Auden	21.07	22.00	1.239	62.9	1.006	-0.1	0.145	0.181
	LTE Band 48_Ant 2	20M	QPSK	50	0	Edge 4	8mm	2	OFF	56640	3690	Auden	19.98	21.00	1.265	62.9	1.006	0.01	0.111	0.141
	LTE Band 48_Ant 2	20M	QPSK	1	0	Bottom Face	0mm	2	ON	56640	3690	Auden	16.41	17.00	1.146	62.9	1.006	0.05	0.156	0.180
	LTE Band 48_Ant 2	20M	QPSK	50	0	Bottom Face	0mm	2	ON	56640	3690	Auden	16.26	17.00	1.186	62.9	1.006	-0.01	0.126	0.150
	LTE Band 48_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	56640	3690	Auden	16.41	17.00	1.146	62.9	1.006	0.13	0.838	0.966
	LTE Band 48_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	55340	3560	Auden	16.14	17.00	1.219	62.9	1.006	-0.02	0.862	1.057
	LTE Band 48_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	55830	3609	Auden	16.24	17.00	1.191	62.9	1.006	0.15	0.871	1.044
	LTE Band 48_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	56150	3641	Auden	16.29	17.00	1.178	62.9	1.006	-0.05	0.855	1.013
	LTE Band 48_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	56640	3690	Auden	16.26	17.00	1.186	62.9	1.006	-0.09	0.725	0.865
	LTE Band 48_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	55340	3560	Auden	15.94	17.00	1.276	62.9	1.006	0.05	0.755	0.969
	LTE Band 48_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	55830	3609	Auden	16.12	17.00	1.225	62.9	1.006	0.02	0.682	0.840
	LTE Band 48_Ant 2	20M	QPSK	50	0	Edge 1	0mm	2	ON	56150	3641	Auden	16.10	17.00	1.230	62.9	1.006	-0.13	0.699	0.865
	LTE Band 48_Ant 2	20M	QPSK	100	0	Edge 1	0mm	2	ON	55340	3560	Auden	15.96	17.00	1.271	62.9	1.006	0.11	0.687	0.878
	LTE Band 48_Ant 2	20M	QPSK	1	0	Edge 4	0mm	2	ON	56640	3690	Auden	16.41	17.00	1.146	62.9	1.006	0	0.248	0.286
	LTE Band 48_Ant 2	20M	QPSK	50	0	Edge 4	0mm	2	ON	56640	3690	Auden	16.26	17.00	1.186	62.9	1.006	0.17	0.211	0.252
	LTE Band 48_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	55340	3560	Speed	16.14	17.00	1.219	62.9	1.006	0.1	0.838	1.028
	LTE Band 48_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	56640	3690	Speed	16.41	17.00	1.146	62.9	1.006	-0.07	0.745	0.859
	LTE Band 48_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	55830	3609	Speed	16.24	17.00	1.191	62.9	1.006	-0.11	0.772	0.925
	LTE Band 48_Ant 2	20M	QPSK	1	0	Edge 1	0mm	2	ON	56150	3641	Speed	16.29	17.00	1.178	62.9	1.006	-0.02	0.798	0.945



<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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	4mm	0	OFF	507000	2535	Auden	22.99	24.00	1.262	-0.08	0.279	0.352
	FR1 n7_Ant 0	40M	BPSK	108	54	Bottom Face	4mm	0	OFF	507000	2535	Auden	22.87	24.00	1.297	-0.04	0.268	0.348
	FR1 n7_Ant 0	40M	BPSK	1	1	Edge 1	21mm	0	OFF	507000	2535	Auden	22.99	24.00	1.262	-0.08	0.280	0.353
	FR1 n7_Ant 0	40M	BPSK	108	54	Edge 1	21mm	0	OFF	507000	2535	Auden	22.87	24.00	1.297	0.17	0.271	0.352
	FR1 n7_Ant 0	40M	BPSK	1	1	Edge 2	0mm	0	OFF	507000	2535	Auden	22.99	24.00	1.262	-0.16	0.070	0.088
	FR1 n7_Ant 0	40M	BPSK	108	54	Edge 2	0mm	0	OFF	507000	2535	Auden	22.87	24.00	1.297	0.11	0.062	0.080
	FR1 n7_Ant 0	40M	BPSK	1	1	Bottom Face	0mm	0	ON	507000	2535	Auden	15.31	16.50	1.315	0.09	0.099	0.130
	FR1 n7_Ant 0	40M	BPSK	108	54	Bottom Face	0mm	0	ON	507000	2535	Auden	15.18	16.50	1.355	0.04	0.085	0.115
17	FR1 n7_Ant 0	40M	BPSK	1	1	Edge 1	0mm	0	ON	507000	2535	Auden	15.31	16.50	1.315	-0.12	0.906	1.192
	FR1 n7_Ant 0	40M	BPSK	108	54	Edge 1	0mm	0	ON	507000	2535	Auden	15.18	16.50	1.355	0.08	0.832	1.128
	FR1 n7_Ant 0	40M	BPSK	216	0	Edge 1	0mm	0	ON	507000	2535	Auden	14.85	16.50	1.462	-0.03	0.725	1.060
	FR1 n7_Ant 0	40M	BPSK	1	1	Edge 1	0mm	0	ON	507000	2535	Speed	15.31	16.50	1.315	-0.03	0.790	1.039
	FR1 n7_Ant 2	40M	BPSK	1	1	Bottom Face	14mm	2	OFF	507000	2535	Auden	23.20	24.00	1.202	0.18	0.151	0.182
	FR1 n7_Ant 2	40M	BPSK	108	54	Bottom Face	14mm	2	OFF	507000	2535	Auden	23.11	24.00	1.227	-0.04	0.142	0.174
	FR1 n7_Ant 2	40M	BPSK	1	1	Edge 1	24mm	2	OFF	507000	2535	Auden	23.20	24.00	1.202	-0.08	0.186	0.224
	FR1 n7_Ant 2	40M	BPSK	108	54	Edge 1	24mm	2	OFF	507000	2535	Auden	23.11	24.00	1.227	-0.13	0.175	0.215
	FR1 n7_Ant 2	40M	BPSK	1	1	Edge 4	8mm	2	OFF	507000	2535	Auden	23.20	24.00	1.202	-0.13	0.283	0.340
	FR1 n7_Ant 2	40M	BPSK	108	54	Edge 4	8mm	2	OFF	507000	2535	Auden	23.11	24.00	1.227	0.06	0.269	0.330
	FR1 n7_Ant 2	40M	BPSK	1	1	Bottom Face	0mm	2	ON	507000	2535	Auden	19.52	20.50	1.253	0.11	0.331	0.415
	FR1 n7_Ant 2	40M	BPSK	108	54	Bottom Face	0mm	2	ON	507000	2535	Auden	19.43	20.50	1.279	0.06	0.311	0.398
	FR1 n7_Ant 2	40M	BPSK	1	1	Edge 1	0mm	2	ON	507000	2535	Auden	19.52	20.50	1.253	-0.02	0.900	1.128
	FR1 n7_Ant 2	40M	BPSK	108	54	Edge 1	0mm	2	ON	507000	2535	Auden	19.43	20.50	1.279	0.08	0.854	1.093
	FR1 n7_Ant 2	40M	BPSK	216	0	Edge 1	0mm	2	ON	507000	2535	Auden	19.04	20.50	1.400	0.09	0.773	1.082
	FR1 n7_Ant 2	40M	BPSK	1	1	Edge 4	0mm	2	ON	507000	2535	Auden	19.52	20.50	1.253	0.04	0.463	0.580
	FR1 n7_Ant 2	40M	BPSK	108	54	Edge 4	0mm	2	ON	507000	2535	Auden	19.43	20.50	1.279	0.02	0.442	0.565
	FR1 n7_Ant 2	40M	BPSK	1	1	Edge 1	0mm	2	ON	507000	2535	Speed	19.52	20.50	1.253	0.17	0.841	1.054
	FR1 n12_Ant 0	15M	BPSK	1	1	Bottom Face	4mm	0	OFF	141500	707.5	Auden	23.19	24.00	1.205	-0.03	0.247	0.298
	FR1 n12_Ant 0	15M	BPSK	36	22	Bottom Face	4mm	0	OFF	141500	707.5	Auden	23.10	24.00	1.230	-0.03	0.227	0.279
	FR1 n12_Ant 0	15M	BPSK	1	1	Edge 1	21mm	0	OFF	141500	707.5	Auden	23.19	24.00	1.205	0.08	0.091	0.110
	FR1 n12_Ant 0	15M	BPSK	36	22	Edge 1	21mm	0	OFF	141500	707.5	Auden	23.10	24.00	1.230	-0.07	0.082	0.101
	FR1 n12_Ant 0	15M	BPSK	1	1	Edge 2	0mm	0	OFF	141500	707.5	Auden	23.19	24.00	1.205	0.04	0.107	0.129
	FR1 n12_Ant 0	15M	BPSK	36	22	Edge 2	0mm	0	OFF	141500	707.5	Auden	23.10	24.00	1.230	-0.06	0.093	0.114
	FR1 n12_Ant 0	15M	BPSK	1	1	Bottom Face	0mm	0	ON	141500	707.5	Auden	21.78	22.50	1.180	0.18	0.298	0.352
	FR1 n12_Ant 0	15M	BPSK	36	22	Bottom Face	0mm	0	ON	141500	707.5	Auden	21.64	22.50	1.219	0.06	0.272	0.332
18	FR1 n12_Ant 0	15M	BPSK	1	1	Edge 1	0mm	0	ON	141500	707.5	Auden	21.78	22.50	1.180	0.09	0.924	1.091
	FR1 n12_Ant 0	15M	BPSK	36	22	Edge 1	0mm	0	ON	141500	707.5	Auden	21.64	22.50	1.219	0.08	0.822	1.002
	FR1 n12_Ant 0	15M	BPSK	75	0	Edge 1	0mm	0	ON	141500	707.5	Auden	21.34	22.50	1.306	-0.04	0.816	1.066
	FR1 n12_Ant 0	15M	BPSK	1	1	Edge 1	0mm	0	ON	141500	707.5	Speed	21.78	22.50	1.180	0.15	0.687	0.811



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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	4mm	0	OFF	156400	782	Auden	23.07	24.00	1.239	0.05	0.272	0.337
	FR1 n13_Ant 0	10M	BPSK	25	14	Bottom Face	4mm	0	OFF	156400	782	Auden	22.82	24.00	1.312	-0.11	0.251	0.329
	FR1 n13_Ant 0	10M	BPSK	1	1	Edge 1	21mm	0	OFF	156400	782	Auden	23.07	24.00	1.239	-0.12	0.095	0.118
	FR1 n13_Ant 0	10M	BPSK	25	14	Edge 1	21mm	0	OFF	156400	782	Auden	22.82	24.00	1.312	0.03	0.076	0.100
	FR1 n13_Ant 0	10M	BPSK	1	1	Edge 2	0mm	0	OFF	156400	782	Auden	23.07	24.00	1.239	-0.1	0.101	0.125
	FR1 n13_Ant 0	10M	BPSK	25	14	Edge 2	0mm	0	OFF	156400	782	Auden	22.82	24.00	1.312	-0.15	0.095	0.125
	FR1 n13_Ant 0	10M	BPSK	1	1	Bottom Face	0mm	0	ON	156400	782	Auden	21.47	22.50	1.268	-0.16	0.337	0.427
	FR1 n13_Ant 0	10M	BPSK	25	14	Bottom Face	0mm	0	ON	156400	782	Auden	21.13	22.50	1.371	-0.16	0.337	0.462
19	FR1 n13_Ant 0	10M	BPSK	1	1	Edge 1	0mm	0	ON	156400	782	Auden	21.47	22.50	1.268	-0.16	0.778	0.986
	FR1 n13_Ant 0	10M	BPSK	25	14	Edge 1	0mm	0	ON	156400	782	Auden	21.13	22.50	1.371	0.06	0.711	0.975
	FR1 n13_Ant 0	10M	BPSK	50	0	Edge 1	0mm	0	ON	156400	782	Auden	20.78	22.50	1.486	-0.15	0.641	0.952
	FR1 n13_Ant 0	10M	BPSK	1	1	Edge 1	0mm	0	ON	156400	782	Speed	21.47	22.50	1.268	-0.05	0.673	0.853
	FR1 n14_Ant 0	10M	BPSK	1	1	Bottom Face	4mm	0	OFF	158600	793	Auden	23.02	24.00	1.253	-0.16	0.264	0.331
	FR1 n14_Ant 0	10M	BPSK	25	14	Bottom Face	4mm	0	OFF	158600	793	Auden	22.84	24.00	1.306	-0.02	0.246	0.321
	FR1 n14_Ant 0	10M	BPSK	1	1	Edge 1	21mm	0	OFF	158600	793	Auden	23.02	24.00	1.253	0.15	0.096	0.120
	FR1 n14_Ant 0	10M	BPSK	25	14	Edge 1	21mm	0	OFF	158600	793	Auden	22.84	24.00	1.306	-0.09	0.079	0.103
	FR1 n14_Ant 0	10M	BPSK	1	1	Edge 2	0mm	0	OFF	158600	793	Auden	23.02	24.00	1.253	-0.16	0.125	0.157
	FR1 n14_Ant 0	10M	BPSK	25	14	Edge 2	0mm	0	OFF	158600	793	Auden	22.84	24.00	1.306	-0.11	0.119	0.155
	FR1 n14_Ant 0	10M	BPSK	1	1	Bottom Face	0mm	0	ON	158600	793	Auden	21.46	22.50	1.271	0.03	0.358	0.455
	FR1 n14_Ant 0	10M	BPSK	25	14	Bottom Face	0mm	0	ON	158600	793	Auden	21.28	22.50	1.324	0.06	0.341	0.452
20	FR1 n14_Ant 0	10M	BPSK	1	1	Edge 1	0mm	0	ON	158600	793	Auden	21.46	22.50	1.271	0.05	0.907	1.152
	FR1 n14_Ant 0	10M	BPSK	25	14	Edge 1	0mm	0	ON	158600	793	Auden	21.28	22.50	1.324	0.01	0.821	1.087
	FR1 n14_Ant 0	10M	BPSK	50	0	Edge 1	0mm	0	ON	158600	793	Auden	21.00	22.50	1.413	0.07	0.806	1.139
	FR1 n14_Ant 0	10M	BPSK	1	1	Edge 1	0mm	0	ON	158600	793	Speed	21.46	22.50	1.271	0.15	0.746	0.948
	FR1 n25_Ant 0	40M	BPSK	1	1	Bottom Face	4mm	0	OFF	376500	1882.5	Auden	23.51	24.00	1.119	0.11	0.412	0.461
	FR1 n25_Ant 0	40M	BPSK	108	54	Bottom Face	4mm	0	OFF	376500	1882.5	Auden	23.42	24.00	1.143	-0.05	0.356	0.407
	FR1 n25_Ant 0	40M	BPSK	1	1	Edge 1	21mm	0	OFF	376500	1882.5	Auden	23.51	24.00	1.119	-0.08	0.277	0.310
	FR1 n25_Ant 0	40M	BPSK	108	54	Edge 1	21mm	0	OFF	376500	1882.5	Auden	23.42	24.00	1.143	0.16	0.261	0.298
	FR1 n25_Ant 0	40M	BPSK	1	1	Edge 2	0mm	0	OFF	376500	1882.5	Auden	23.51	24.00	1.119	-0.02	0.108	0.121
	FR1 n25_Ant 0	40M	BPSK	108	54	Edge 2	0mm	0	OFF	376500	1882.5	Auden	23.42	24.00	1.143	0.01	0.089	0.102
	FR1 n25_Ant 0	40M	BPSK	1	1	Bottom Face	0mm	0	ON	376500	1882.5	Auden	19.93	20.50	1.140	-0.1	0.525	0.599
	FR1 n25_Ant 0	40M	BPSK	108	54	Bottom Face	0mm	0	ON	376500	1882.5	Auden	19.83	20.50	1.167	0.17	0.511	0.596
	FR1 n25_Ant 0	40M	BPSK	1	1	Edge 1	0mm	0	ON	376500	1882.5	Auden	19.93	20.50	1.140	0	0.994	1.133
	FR1 n25_Ant 0	40M	BPSK	108	54	Edge 1	0mm	0	ON	376500	1882.5	Auden	19.83	20.50	1.167	0.01	0.906	1.057
	FR1 n25_Ant 0	40M	BPSK	216	0	Edge 1	0mm	0	ON	376500	1882.5	Auden	19.59	20.50	1.233	-0.14	0.892	1.100
	FR1 n25_Ant 0	40M	BPSK	1	1	Edge 1	0mm	0	ON	376500	1882.5	Speed	19.93	20.50	1.140	0	0.938	1.070
	FR1 n25_Ant 2	40M	BPSK	1	1	Bottom Face	14mm	2	OFF	376500	1882.5	Auden	23.33	24.00	1.167	0.05	0.054	0.063
	FR1 n25_Ant 2	40M	BPSK	108	54	Bottom Face	14mm	2	OFF	376500	1882.5	Auden	23.21	24.00	1.199	0.05	0.046	0.055
	FR1 n25_Ant 2	40M	BPSK	1	1	Edge 1	24mm	2	OFF	376500	1882.5	Auden	23.33	24.00	1.167	-0.03	0.001	0.001
	FR1 n25_Ant 2	40M	BPSK	108	54	Edge 1	24mm	2	OFF	376500	1882.5	Auden	23.21	24.00	1.199	-0.15	0.001	0.001
	FR1 n25_Ant 2	40M	BPSK	1	1	Edge 4	8mm	2	OFF	376500	1882.5	Auden	23.33	24.00	1.167	0.02	0.280	0.327
	FR1 n25_Ant 2	40M	BPSK	108	54	Edge 4	8mm	2	OFF	376500	1882.5	Auden	23.21	24.00	1.199	0.07	0.265	0.318
	FR1 n25_Ant 2	40M	BPSK	1	1	Bottom Face	0mm	2	ON	376500	1882.5	Auden	22.40	23.00	1.148	-0.12	0.277	0.318
	FR1 n25_Ant 2	40M	BPSK	108	54	Bottom Face	0mm	2	ON	376500	1882.5	Auden	22.24	23.00	1.191	0.11	0.213	0.254
	FR1 n25_Ant 2	40M	BPSK	1	1	Edge 1	0mm	2	ON	376500	1882.5	Auden	22.40	23.00	1.148	-0.07	0.691	0.793
	FR1 n25_Ant 2	40M	BPSK	108	54	Edge 1	0mm	2	ON	376500	1882.5	Auden	22.24	23.00	1.191	-0.07	0.661	0.787
21	FR1 n25_Ant 2	40M	BPSK	1	1	Edge 4	0mm	2	ON	376500	1882.5	Auden	22.40	23.00	1.148	-0.05	0.995	1.142
	FR1 n25_Ant 2	40M	BPSK	108	54	Edge 4	0mm	2	ON	376500	1882.5	Auden	22.24	23.00	1.191	0.05	0.891	1.061
	FR1 n25_Ant 2	40M	BPSK	216	0	Edge 4	0mm	2	ON	376500	1882.5	Auden	21.84	23.00	1.306	-0.17	0.870	1.136
	FR1 n25_Ant 2	40M	BPSK	1	1	Edge 4	0mm	2	ON	376500	1882.5	Speed	22.40	23.00	1.148	-0.13	0.814	0.935



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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	4mm	0	OFF	166300	831.5	Auden	23.32	24.00	1.169	0.16	0.292	0.341
	FR1 n26_Ant 0	20M	BPSK	50	28	Bottom Face	4mm	0	OFF	166300	831.5	Auden	23.30	24.00	1.175	0.13	0.288	0.338
	FR1 n26_Ant 0	20M	BPSK	1	1	Edge 1	21mm	0	OFF	166300	831.5	Auden	23.32	24.00	1.169	-0.18	0.105	0.123
	FR1 n26_Ant 0	20M	BPSK	50	28	Edge 1	21mm	0	OFF	166300	831.5	Auden	23.30	24.00	1.175	0.02	0.099	0.116
	FR1 n26_Ant 0	20M	BPSK	1	1	Edge 2	0mm	0	OFF	166300	831.5	Auden	23.32	24.00	1.169	-0.04	0.118	0.138
	FR1 n26_Ant 0	20M	BPSK	50	28	Edge 2	0mm	0	OFF	166300	831.5	Auden	23.30	24.00	1.175	0.15	0.110	0.129
	FR1 n26_Ant 0	20M	BPSK	1	1	Bottom Face	0mm	0	ON	166300	831.5	Auden	21.88	22.50	1.153	0.07	0.402	0.464
	FR1 n26_Ant 0	20M	BPSK	50	28	Bottom Face	0mm	0	ON	166300	831.5	Auden	21.83	22.50	1.167	0.03	0.386	0.450
22	FR1 n26_Ant 0	20M	BPSK	1	1	Edge 1	0mm	0	ON	166300	831.5	Auden	21.88	22.50	1.153	0.07	0.985	1.136
	FR1 n26_Ant 0	20M	BPSK	50	28	Edge 1	0mm	0	ON	166300	831.5	Auden	21.83	22.50	1.167	-0.03	0.971	1.133
	FR1 n26_Ant 0	20M	BPSK	100	0	Edge 1	0mm	0	ON	166300	831.5	Auden	21.48	22.50	1.265	0.1	0.889	1.124
	FR1 n26_Ant 0	20M	BPSK	1	1	Edge 4	0mm	0	ON	166300	831.5	Auden	21.88	22.50	1.153	0.08	0.001	0.001
	FR1 n26_Ant 0	20M	BPSK	50	28	Edge 4	0mm	0	ON	166300	831.5	Auden	21.83	22.50	1.167	-0.07	0.001	0.001
	FR1 n26_Ant 0	20M	BPSK	1	1	Edge 1	0mm	0	ON	166300	831.5	Speed	21.88	22.50	1.153	0.19	0.843	0.972
	FR1 n30_Ant 0	10M	BPSK	1	1	Bottom Face	4mm	0	OFF	462000	2310	Auden	22.13	23.00	1.222	0.16	0.327	0.400
	FR1 n30_Ant 0	10M	BPSK	25	14	Bottom Face	4mm	0	OFF	462000	2310	Auden	22.02	23.00	1.253	-0.03	0.311	0.390
	FR1 n30_Ant 0	10M	BPSK	1	1	Edge 1	21mm	0	OFF	462000	2310	Auden	22.13	23.00	1.222	0.07	0.173	0.211
	FR1 n30_Ant 0	10M	BPSK	25	14	Edge 1	21mm	0	OFF	462000	2310	Auden	22.02	23.00	1.253	0	0.162	0.203
	FR1 n30_Ant 0	10M	BPSK	1	1	Edge 2	0mm	0	OFF	462000	2310	Auden	22.13	23.00	1.222	0.15	0.071	0.087
	FR1 n30_Ant 0	10M	BPSK	25	14	Edge 2	0mm	0	OFF	462000	2310	Auden	22.02	23.00	1.253	0.13	0.069	0.086
	FR1 n30_Ant 0	10M	BPSK	1	1	Bottom Face	0mm	0	ON	462000	2310	Auden	16.32	17.50	1.312	-0.08	0.196	0.257
	FR1 n30_Ant 0	10M	BPSK	25	14	Bottom Face	0mm	0	ON	462000	2310	Auden	16.03	17.50	1.403	-0.08	0.159	0.223
	FR1 n30_Ant 0	10M	BPSK	1	1	Edge 1	0mm	0	ON	462000	2310	Auden	16.32	17.50	1.312	0.1	0.750	0.984
	FR1 n30_Ant 0	10M	BPSK	25	14	Edge 1	0mm	0	ON	462000	2310	Auden	16.03	17.50	1.403	-0.1	0.693	0.972
	FR1 n30_Ant 0	10M	BPSK	50	0	Edge 1	0mm	0	ON	462000	2310	Auden	15.85	17.50	1.462	0	0.661	0.966
23	FR1 n30_Ant 0	10M	BPSK	1	1	Edge 1	0mm	0	ON	462000	2310	Speed	16.32	17.50	1.312	-0.15	0.875	1.148
	FR1 n30_Ant 2	10M	BPSK	1	1	Bottom Face	0mm	2	OFF	462000	2310	Auden	22.25	23.00	1.189	-0.13	0.321	0.382
	FR1 n30_Ant 2	10M	BPSK	25	14	Bottom Face	0mm	2	OFF	462000	2310	Auden	22.18	23.00	1.208	0.01	0.313	0.378
	FR1 n30_Ant 2	10M	BPSK	1	1	Edge 1	0mm	2	OFF	462000	2310	Auden	22.25	23.00	1.189	-0.05	0.756	0.899
	FR1 n30_Ant 2	10M	BPSK	25	14	Edge 1	0mm	2	OFF	462000	2310	Auden	22.18	23.00	1.208	0	0.742	0.896
	FR1 n30_Ant 2	10M	BPSK	50	0	Edge 1	0mm	2	OFF	462000	2310	Auden	21.62	22.50	1.225	-0.03	0.715	0.876
	FR1 n30_Ant 2	10M	BPSK	1	1	Edge 4	0mm	2	OFF	462000	2310	Auden	22.25	23.00	1.189	-0.05	0.924	1.098
	FR1 n30_Ant 2	10M	BPSK	25	14	Edge 4	0mm	2	OFF	462000	2310	Auden	22.18	23.00	1.208	-0.11	0.891	1.076
	FR1 n30_Ant 2	10M	BPSK	50	0	Edge 4	0mm	2	OFF	462000	2310	Auden	21.62	22.50	1.225	0.1	0.883	1.081
	FR1 n30_Ant 2	10M	BPSK	1	1	Edge 4	0mm	2	OFF	462000	2310	Speed	22.25	23.00	1.189	0.18	0.773	0.919



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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	4mm	0	OFF	349000	1745	Auden	23.31	24.00	1.172	0.01	0.411	0.482
	FR1 n66_Ant 0	40M	BPSK	108	54	Bottom Face	4mm	0	OFF	349000	1745	Auden	23.28	24.00	1.180	-0.01	0.356	0.420
	FR1 n66_Ant 0	40M	BPSK	1	1	Edge 1	21mm	0	OFF	349000	1745	Auden	23.31	24.00	1.172	-0.06	0.282	0.331
	FR1 n66_Ant 0	40M	BPSK	108	54	Edge 1	21mm	0	OFF	349000	1745	Auden	23.28	24.00	1.180	-0.04	0.275	0.325
	FR1 n66_Ant 0	40M	BPSK	1	1	Edge 2	0mm	0	OFF	349000	1745	Auden	23.31	24.00	1.172	-0.18	0.087	0.102
	FR1 n66_Ant 0	40M	BPSK	108	54	Edge 2	0mm	0	OFF	349000	1745	Auden	23.28	24.00	1.180	0.11	0.076	0.090
	FR1 n66_Ant 0	40M	BPSK	1	1	Bottom Face	0mm	0	ON	349000	1745	Auden	18.31	19.00	1.172	-0.13	0.422	0.495
	FR1 n66_Ant 0	40M	BPSK	108	54	Bottom Face	0mm	0	ON	349000	1745	Auden	18.12	19.00	1.225	-0.155	0.413	0.506
	FR1 n66_Ant 0	40M	BPSK	1	1	Edge 1	0mm	0	ON	349000	1745	Auden	18.31	19.00	1.172	0.03	0.944	1.107
	FR1 n66_Ant 0	40M	BPSK	108	54	Edge 1	0mm	0	ON	349000	1745	Auden	18.12	19.00	1.225	0.04	0.885	1.084
	FR1 n66_Ant 0	40M	BPSK	216	0	Edge 1	0mm	0	ON	349000	1745	Auden	17.93	19.00	1.279	0.01	0.831	1.063
	FR1 n66_Ant 0	40M	BPSK	1	1	Edge 1	0mm	0	ON	349000	1745	Speed	18.31	19.00	1.172	0.12	0.851	0.998
	FR1 n66_Ant 2	40M	BPSK	1	1	Bottom Face	0mm	2	OFF	349000	1745	Auden	23.23	24.00	1.194	-0.02	0.195	0.233
	FR1 n66_Ant 2	40M	BPSK	108	54	Bottom Face	0mm	2	OFF	349000	1745	Auden	23.20	24.00	1.202	0	0.183	0.220
	FR1 n66_Ant 2	40M	BPSK	1	1	Edge 1	0mm	2	OFF	349000	1745	Auden	23.23	24.00	1.194	0.02	0.594	0.709
	FR1 n66_Ant 2	40M	BPSK	108	54	Edge 1	0mm	2	OFF	349000	1745	Auden	23.20	24.00	1.202	0.12	0.581	0.699
24	FR1 n66_Ant 2	40M	BPSK	1	1	Edge 4	0mm	2	OFF	349000	1745	Auden	23.23	24.00	1.194	-0.04	0.944	1.127
	FR1 n66_Ant 2	40M	BPSK	108	54	Edge 4	0mm	2	OFF	349000	1745	Auden	23.20	24.00	1.202	0.01	0.897	1.078
	FR1 n66_Ant 2	40M	BPSK	216	0	Edge 4	0mm	2	OFF	349000	1745	Auden	22.87	23.50	1.156	-0.05	0.912	1.054
	FR1 n66_Ant 2	40M	BPSK	1	1	Edge 4	0mm	2	OFF	349000	1745	Speed	23.23	24.00	1.194	0.12	0.714	0.853
	FR1 n70_Ant 0	15M	BPSK	1	1	Bottom Face	4mm	0	OFF	340500	1702.5	Auden	22.95	24.00	1.274	-0.09	0.298	0.380
	FR1 n70_Ant 0	15M	BPSK	36	22	Bottom Face	4mm	0	OFF	340500	1702.5	Auden	22.84	24.00	1.306	-0.17	0.285	0.372
	FR1 n70_Ant 0	15M	BPSK	1	1	Edge 1	21mm	0	OFF	340500	1702.5	Auden	22.95	24.00	1.274	-0.1	0.296	0.377
	FR1 n70_Ant 0	15M	BPSK	36	22	Edge 1	21mm	0	OFF	340500	1702.5	Auden	22.84	24.00	1.306	0.18	0.291	0.380
	FR1 n70_Ant 0	15M	BPSK	1	1	Edge 2	0mm	0	OFF	340500	1702.5	Auden	22.95	24.00	1.274	-0.06	0.015	0.019
	FR1 n70_Ant 0	15M	BPSK	36	22	Edge 2	0mm	0	OFF	340500	1702.5	Auden	22.84	24.00	1.306	0.14	0.011	0.014
	FR1 n70_Ant 0	15M	BPSK	1	1	Bottom Face	0mm	0	ON	340500	1702.5	Auden	17.81	19.00	1.315	-0.05	0.340	0.447
	FR1 n70_Ant 0	15M	BPSK	36	22	Bottom Face	0mm	0	ON	340500	1702.5	Auden	17.62	19.00	1.374	0.09	0.315	0.433
	FR1 n70_Ant 0	15M	BPSK	1	1	Edge 1	0mm	0	ON	340500	1702.5	Auden	17.81	19.00	1.315	0.03	0.788	1.036
	FR1 n70_Ant 0	15M	BPSK	36	22	Edge 1	0mm	0	ON	340500	1702.5	Auden	17.62	19.00	1.374	0.17	0.739	1.015
	FR1 n70_Ant 0	15M	BPSK	75	0	Edge 1	0mm	0	ON	340500	1702.5	Auden	17.50	19.00	1.413	0.12	0.729	1.030
25	FR1 n70_Ant 0	15M	BPSK	1	1	Edge 1	0mm	0	ON	340500	1702.5	Speed	17.81	19.00	1.315	-0.08	0.843	1.109
	FR1 n70_Ant 2	15M	BPSK	1	1	Bottom Face	0mm	2	OFF	340500	1702.5	Auden	23.22	24.00	1.197	0.02	0.202	0.242
	FR1 n70_Ant 2	15M	BPSK	36	22	Bottom Face	0mm	2	OFF	340500	1702.5	Auden	23.10	24.00	1.230	0.12	0.188	0.231
	FR1 n70_Ant 2	15M	BPSK	1	1	Edge 1	0mm	2	OFF	340500	1702.5	Auden	23.22	24.00	1.197	-0.11	0.727	0.870
	FR1 n70_Ant 2	15M	BPSK	36	22	Edge 1	0mm	2	OFF	340500	1702.5	Auden	23.10	24.00	1.230	0.19	0.701	0.862
	FR1 n70_Ant 2	15M	BPSK	75	0	Edge 1	0mm	2	OFF	340500	1702.5	Auden	22.79	23.50	1.178	0.02	0.719	0.847
	FR1 n70_Ant 2	15M	BPSK	1	1	Edge 4	0mm	2	OFF	340500	1702.5	Auden	23.22	24.00	1.197	-0.09	0.916	1.096
	FR1 n70_Ant 2	15M	BPSK	36	22	Edge 4	0mm	2	OFF	340500	1702.5	Auden	23.10	24.00	1.230	0.1	0.866	1.065
	FR1 n70_Ant 2	15M	BPSK	75	0	Edge 4	0mm	2	OFF	340500	1702.5	Auden	22.79	23.50	1.178	0.02	0.851	1.002
	FR1 n70_Ant 2	15M	BPSK	1	1	Edge 4	0mm	2	OFF	340500	1702.5	Speed	23.22	24.00	1.197	0.18	0.856	1.024
	FR1 n71_Ant 0	30M	BPSK	1	1	Bottom Face	4mm	0	OFF	136100	680.5	Auden	23.37	24.00	1.156	-0.17	0.352	0.407
	FR1 n71_Ant 0	30M	BPSK	80	40	Bottom Face	4mm	0	OFF	136100	680.5	Auden	23.14	24.00	1.219	-0.04	0.331	0.403
	FR1 n71_Ant 0	30M	BPSK	1	1	Edge 1	21mm	0	OFF	136100	680.5	Auden	23.37	24.00	1.156	-0.05	0.286	0.331
	FR1 n71_Ant 0	30M	BPSK	80	40	Edge 1	21mm	0	OFF	136100	680.5	Auden	23.14	24.00	1.219	0	0.277	0.338
	FR1 n71_Ant 0	30M	BPSK	1	1	Edge 2	0mm	0	OFF	136100	680.5	Auden	23.37	24.00	1.156	0.19	0.106	0.123
	FR1 n71_Ant 0	30M	BPSK	80	40	Edge 2	0mm	0	OFF	136100	680.5	Auden	23.14	24.00	1.219	0.11	0.098	0.119
	FR1 n71_Ant 0	30M	BPSK	1	1	Bottom Face	0mm	0	ON	136100	680.5	Auden	22.00	22.50	1.122	-0.03	0.266	0.298
	FR1 n71_Ant 0	30M	BPSK	80	40	Bottom Face	0mm	0	ON	136100	680.5	Auden	21.58	22.50	1.236	0.01	0.251	0.310
26	FR1 n71_Ant 0	30M	BPSK	1	1	Edge 1	0mm	0	ON	136100	680.5	Auden	22.00	22.50	1.122	-0.03	0.941	1.056
	FR1 n71_Ant 0	30M	BPSK	80	40	Edge 1	0mm	0	ON	136100	680.5	Auden	21.58	22.50	1.236	0.05	0.852	1.053
	FR1 n71_Ant 0	30M	BPSK	160	0	Edge 1	0mm	0	ON	136100	680.5	Auden	21.50	22.50	1.259	0.01	0.835	1.051
	FR1 n71_Ant 0	30M	BPSK	1	1	Edge 1	0mm	0	ON	136100	680.5	Speed	22.00	22.50	1.122	-0.09	0.930	1.043





Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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)
	FR1 n41_Ant 0	100M	BPSK	1	1	Bottom Face	4mm	0	OFF	518598	2592.99	Auden	23.13	24.00	1.222			-0.13	0.216	0.264
	FR1 n41_Ant 0	100M	BPSK	135	69	Bottom Face	4mm	0	OFF	518598	2592.99	Auden	22.93	24.00	1.279			-0.01	0.198	0.253
	FR1 n41_Ant 0	100M	BPSK	1	1	Edge 1	21mm	0	OFF	518598	2592.99	Auden	23.13	24.00	1.222			-0.09	0.309	0.378
	FR1 n41_Ant 0	100M	BPSK	135	69	Edge 1	21mm	0	OFF	518598	2592.99	Auden	22.93	24.00	1.279			0.05	0.292	0.374
	FR1 n41_Ant 0	100M	BPSK	1	1	Edge 2	0mm	0	OFF	518598	2592.99	Auden	23.13	24.00	1.222			-0.15	0.083	0.101
	FR1 n41_Ant 0	100M	BPSK	1	1	Bottom Face	0mm	0	ON	518598	2592.99	Auden	14.02	15.50	1.406			-0.06	0.105	0.148
	FR1 n41_Ant 0	100M	BPSK	135	69	Bottom Face	0mm	0	ON	518598	2592.99	Auden	13.79	15.50	1.483			0.02	0.098	0.145
27	FR1 n41_Ant 0	100M	BPSK	1	1	Edge 1	0mm	0	ON	518598	2592.99	Auden	14.02	15.50	1.406			0.06	0.853	1.199
	FR1 n41_Ant 0	100M	BPSK	135	69	Edge 1	0mm	0	ON	518598	2592.99	Auden	13.79	15.50	1.483			0.01	0.792	1.174
	FR1 n41_Ant 0	100M	BPSK	270	0	Edge 1	0mm	0	ON	518598	2592.99	Auden	13.65	15.50	1.531			-0.13	0.759	1.162
	FR1 n41_HPUE_Ant 0	100M	BPSK	1	1	Edge 1	0mm	0	ON	518598	2592.99	Auden	17.07	18.50	1.390			0.03	0.851	1.183
	FR1 n41_Ant 0	100M	BPSK	1	1	Edge 1	0mm	0	ON	518598	2592.99	Speed	14.02	15.50	1.406			-0.08	0.750	1.055
	FR1 n41_Ant 2	100M	BPSK	1	1	Bottom Face	14mm	2	OFF	518598	2592.99	Auden	23.42	24.00	1.143			0.02	0.193	0.221
	FR1 n41_Ant 2	100M	BPSK	135	69	Bottom Face	14mm	2	OFF	518598	2592.99	Auden	23.38	24.00	1.153			-0.13	0.179	0.206
	FR1 n41_Ant 2	100M	BPSK	1	1	Edge 1	24mm	2	OFF	518598	2592.99	Auden	23.42	24.00	1.143			0.17	0.262	0.299
	FR1 n41_Ant 2	100M	BPSK	135	69	Edge 1	24mm	2	OFF	518598	2592.99	Auden	23.38	24.00	1.153			0.06	0.256	0.295
	FR1 n41_Ant 2	100M	BPSK	1	1	Edge 4	8mm	2	OFF	518598	2592.99	Auden	23.42	24.00	1.143			0	0.261	0.298
	FR1 n41_Ant 2	100M	BPSK	135	69	Edge 4	8mm	2	OFF	518598	2592.99	Auden	23.38	24.00	1.153			-0.04	0.249	0.287
	FR1 n41_Ant 2	100M	BPSK	1	1	Bottom Face	0mm	2	ON	518598	2592.99	Auden	17.75	19.50	1.496			-0.08	0.278	0.416
	FR1 n41_Ant 2	100M	BPSK	135	69	Bottom Face	0mm	2	ON	518598	2592.99	Auden	17.71	19.50	1.510			-0.01	0.251	0.379
	FR1 n41_Ant 2	100M	BPSK	1	1	Edge 1	0mm	2	ON	518598	2592.99	Auden	17.75	19.50	1.496			-0.03	0.790	1.182
	FR1 n41_Ant 2	100M	BPSK	135	69	Edge 1	0mm	2	ON	518598	2592.99	Auden	17.71	19.50	1.510			0.17	0.741	1.119
	FR1 n41_Ant 2	100M	BPSK	270	0	Edge 1	0mm	2	ON	518598	2592.99	Auden	17.68	19.50	1.521			0.13	0.735	1.118
	FR1 n41_Ant 2	100M	BPSK	1	1	Edge 4	0mm	2	ON	518598	2592.99	Auden	17.75	19.50	0.531			-0.05	0.307	0.163
	FR1 n41_Ant 2	100M	BPSK	135	69	Edge 4	0mm	2	ON	518598	2592.99	Auden	17.71	19.50	0.536			-0.11	0.294	0.158
	FR1 n41_HPUE_Ant 2	100M	BPSK	1	1	Edge 1	0mm	2	ON	518598	2592.99	Auden	20.81	22.50	1.476	50	1.000	-0.04	0.762	1.124
	FR1 n41_Ant 2	100M	BPSK	1	1	Edge 1	0mm	2	ON	518598	2592.99	Speed	17.75	19.50	1.496			0.13	0.767	1.148
	FR1 n41_Ant 1	100M	BPSK	1	1	Bottom Face	0mm	1	OFF	518598	2592.99	Auden	14.86	15.00	1.033			0.04	0.054	0.056
	FR1 n41_Ant 1	100M	BPSK	135	69	Bottom Face	0mm	1	OFF	518598	2592.99	Auden	14.70	15.00	1.072			0.12	0.048	0.051
	FR1 n41_Ant 1	100M	BPSK	1	1	Edge 1	0mm	1	OFF	518598	2592.99	Auden	14.86	15.00	1.033			-0.13	0.217	0.224
	FR1 n41_Ant 1	100M	BPSK	135	69	Edge 1	0mm	1	OFF	518598	2592.99	Auden	14.70	15.00	1.072			0.17	0.206	0.221
	FR1 n41_Ant 1	100M	BPSK	1	1	Edge 2	0mm	1	OFF	518598	2592.99	Auden	14.86	15.00	1.033			0.06	0.122	0.126
	FR1 n41_Ant 1	100M	BPSK	135	69	Edge 2	0mm	1	OFF	518598	2592.99	Auden	14.70	15.00	1.072			0.06	0.114	0.122
	FR1 n41_HPUE_Ant 1	100M	BPSK	1	1	Edge 1	0mm	1	OFF	518598	2592.99	Auden	17.88	18.00	1.028	50	1.000	0.17	0.201	0.207
	FR1 n41_Ant 1	100M	BPSK	1	1	Edge 1	0mm	1	OFF	518598	2592.99	Speed	14.86	15.00	1.033			-0.16	0.193	0.199
	FR1 n41_Ant 3	100M	BPSK	1	1	Bottom Face	0mm	3	OFF	518598	2592.99	Auden	13.35	14.00	1.161			-0.02	0.001	0.001
	FR1 n41_Ant 3	100M	BPSK	135	69	Bottom Face	0mm	3	OFF	518598	2592.99	Auden	13.15	14.00	1.216			0.11	0.001	0.001
	FR1 n41_Ant 3	100M	BPSK	1	1	Edge 1	0mm	3	OFF	518598	2592.99	Auden	13.35	14.00	1.161			-0.01	0.342	0.397
	FR1 n41_Ant 3	100M	BPSK	135	69	Edge 1	0mm	3	OFF	518598	2592.99	Auden	13.15	14.00	1.216			0.15	0.311	0.378
	FR1 n41_HPUE_Ant 3	100M	BPSK	1	1	Edge 1	0mm	3	OFF	518598	2592.99	Auden	16.37	17.00	1.156	50	1.000	0.15	0.326	0.377
	FR1 n41_Ant 3	100M	BPSK	1	1	Edge 1	0mm	3	OFF	518598	2592.99	Speed	13.35	14.00	1.161			-0.02	0.325	0.377



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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	4mm	0	OFF	641666	3624.99	Auden	21.99	22.00	1.002	-0.15	0.283	0.284
	FR1 n48_Ant 0	40M	BPSK	50	28	Bottom Face	4mm	0	OFF	641666	3624.99	Auden	21.93	22.00	1.016	0.11	0.257	0.261
	FR1 n48_Ant 0	40M	BPSK	1	1	Edge 1	21mm	0	OFF	641666	3624.99	Auden	21.99	22.00	1.002	-0.02	0.125	0.125
	FR1 n48_Ant 0	40M	BPSK	50	28	Edge 1	21mm	0	OFF	641666	3624.99	Auden	21.93	22.00	1.016	0.1	0.111	0.113
	FR1 n48_Ant 0	40M	BPSK	1	1	Edge 2	0mm	0	OFF	641666	3624.99	Auden	21.99	22.00	1.002	0.18	0.063	0.063
	FR1 n48_Ant 0	40M	BPSK	50	28	Edge 2	0mm	0	OFF	641666	3624.99	Auden	21.93	22.00	1.016	0.11	0.057	0.058
	FR1 n48_Ant 0	40M	BPSK	1	1	Bottom Face	0mm	0	ON	641666	3624.99	Auden	17.12	18.00	1.225	-0.18	0.203	0.249
	FR1 n48_Ant 0	40M	BPSK	50	28	Bottom Face	0mm	0	ON	641666	3624.99	Auden	16.96	18.00	1.271	-0.1	0.194	0.246
	FR1 n48_Ant 0	40M	BPSK	1	1	Edge 1	0mm	0	ON	641666	3624.99	Auden	17.12	18.00	1.225	-0.08	0.922	1.129
28	FR1 n48_Ant 0	40M	BPSK	1	1	Edge 1	0mm	0	ON	638000	3570	Auden	16.87	18.00	1.297	0.19	0.875	1.135
	FR1 n48_Ant 0	40M	BPSK	1	1	Edge 1	0mm	0	ON	645332	3679.98	Auden	17.11	18.00	1.227	0.03	0.874	1.073
	FR1 n48_Ant 0	40M	BPSK	50	28	Edge 1	0mm	0	ON	641666	3624.99	Auden	16.96	18.00	1.271	0.14	0.873	1.109
	FR1 n48_Ant 0	40M	BPSK	50	28	Edge 1	0mm	0	ON	638000	3570	Auden	16.95	18.00	1.274	0.15	0.881	1.122
	FR1 n48_Ant 0	40M	BPSK	50	28	Edge 1	0mm	0	ON	645332	3679.98	Auden	16.74	18.00	1.337	-0.12	0.822	1.099
	FR1 n48_Ant 0	40M	BPSK	100	0	Edge 1	0mm	0	ON	638000	3570	Auden	16.83	18.00	1.309	0.02	0.812	1.063
	FR1 n48_Ant 0	40M	BPSK	1	1	Edge 1	0mm	0	ON	638000	3570	Speed	16.87	18.00	1.297	0.04	0.825	1.070
	FR1 n48_Ant 0	40M	BPSK	1	1	Edge 1	0mm	0	ON	641666	3624.99	Speed	17.12	18.00	1.225	0.01	0.791	0.969
	FR1 n48_Ant 0	40M	BPSK	1	1	Edge 1	0mm	0	ON	645332	3679.98	Speed	17.11	18.00	1.227	0.05	0.796	0.977
	FR1 n48_Ant 2	40M	BPSK	1	1	Bottom Face	14mm	2	OFF	641666	3624.99	Auden	21.39	22.00	1.151	0.04	0.282	0.325
	FR1 n48_Ant 2	40M	BPSK	50	28	Bottom Face	14mm	2	OFF	641666	3624.99	Auden	21.33	22.00	1.167	0.13	0.273	0.319
	FR1 n48_Ant 2	40M	BPSK	1	1	Edge 1	24mm	2	OFF	641666	3624.99	Auden	21.39	22.00	1.151	-0.18	0.332	0.382
	FR1 n48_Ant 2	40M	BPSK	50	28	Edge 1	24mm	2	OFF	641666	3624.99	Auden	21.33	22.00	1.167	-0.11	0.325	0.379
	FR1 n48_Ant 2	40M	BPSK	1	1	Edge 4	8mm	2	OFF	641666	3624.99	Auden	21.39	22.00	1.151	-0.16	0.385	0.443
	FR1 n48_Ant 2	40M	BPSK	50	28	Edge 4	8mm	2	OFF	641666	3624.99	Auden	21.33	22.00	1.167	-0.15	0.369	0.431
	FR1 n48_Ant 2	40M	BPSK	1	1	Bottom Face	0mm	2	ON	641666	3624.99	Auden	14.98	15.50	1.127	0.14	0.160	0.180
	FR1 n48_Ant 2	40M	BPSK	50	28	Bottom Face	0mm	2	ON	641666	3624.99	Auden	14.85	15.50	1.161	0.13	0.149	0.173
	FR1 n48_Ant 2	40M	BPSK	1	1	Edge 1	0mm	2	ON	641666	3624.99	Auden	14.98	15.50	1.127	-0.02	0.897	1.011
	FR1 n48_Ant 2	40M	BPSK	1	1	Edge 1	0mm	2	ON	638000	3570	Auden	14.72	15.50	1.197	-0.03	0.811	0.971
	FR1 n48_Ant 2	40M	BPSK	1	1	Edge 1	0mm	2	ON	645332	3679.98	Auden	14.85	15.50	1.161	-0.16	0.850	0.987
	FR1 n48_Ant 2	40M	BPSK	50	28	Edge 1	0mm	2	ON	641666	3624.99	Auden	14.85	15.50	1.161	0	0.813	0.944
	FR1 n48_Ant 2	40M	BPSK	50	28	Edge 1	0mm	2	ON	638000	3570	Auden	14.62	15.50	1.225	-0.01	0.825	1.010
	FR1 n48_Ant 2	40M	BPSK	50	28	Edge 1	0mm	2	ON	645332	3679.98	Auden	14.84	15.50	1.164	0.13	0.817	0.951
	FR1 n48_Ant 2	40M	BPSK	100	0	Edge 1	0mm	2	ON	641666	3624.99	Auden	14.87	15.50	1.156	0.15	0.807	0.933
	FR1 n48_Ant 2	40M	BPSK	1	1	Edge 4	0mm	2	ON	641666	3624.99	Auden	14.98	15.50	1.127	0.02	0.256	0.289
	FR1 n48_Ant 2	40M	BPSK	50	28	Edge 4	0mm	2	ON	641666	3624.99	Auden	14.85	15.50	1.161	0.09	0.237	0.275
	FR1 n48_Ant 2	40M	BPSK	1	1	Edge 1	0mm	2	ON	641666	3624.99	Speed	14.98	15.50	1.127	-0.02	0.852	0.960
	FR1 n48_Ant 2	40M	BPSK	1	1	Edge 1	0mm	2	ON	638000	3570	Speed	14.72	15.50	1.197	0.01	0.807	0.966
	FR1 n48_Ant 2	40M	BPSK	1	1	Edge 1	0mm	2	ON	645332	3679.98	Speed	14.85	15.50	1.161	-0.13	0.815	0.947



FCC SAR TEST REPORT

Report No. : FA3N0602

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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)
	FR1 n77_Ant 0	100M	BPSK	1	1	Bottom of Laptop	0mm	0	OFF	656000	3840	Auden	23.36	24.00	1.159			-0.04	0.001	0.001
	FR1 n77_Ant 0	100M	BPSK	135	69	Bottom of Laptop	0mm	0	OFF	656000	3840	Auden	23.27	24.00	1.183			0.09	0.001	0.001
	FR1 n77_Ant 0	100M	BPSK	1	1	Bottom Face	4mm	0	OFF	656000	3840	Auden	23.36	24.00	1.159			-0.06	0.148	0.171
	FR1 n77_Ant 0	100M	BPSK	135	69	Bottom Face	4mm	0	OFF	656000	3840	Auden	23.27	24.00	1.183			-0.14	0.137	0.162
	FR1 n77_Ant 0	100M	BPSK	1	1	Edge 1	21mm	0	OFF	656000	3840	Auden	23.36	24.00	1.159			-0.19	0.241	0.279
	FR1 n77_Ant 0	100M	BPSK	135	69	Edge 1	21mm	0	OFF	656000	3840	Auden	23.27	24.00	1.183			0.01	0.232	0.274
	FR1 n77_Ant 0	100M	BPSK	1	1	Edge 2	0mm	0	OFF	656000	3840	Auden	23.36	24.00	1.159			0.03	0.098	0.114
	FR1 n77_Ant 0	100M	BPSK	135	69	Edge 2	0mm	0	OFF	656000	3840	Auden	23.27	24.00	1.183			0.02	0.084	0.099
	FR1 n77_Ant 0	100M	BPSK	1	1	Bottom Face	0mm	0	ON	656000	3840	Auden	16.98	17.50	1.127			0.17	0.066	0.074
	FR1 n77_Ant 0	100M	BPSK	135	69	Bottom Face	0mm	0	ON	656000	3840	Auden	16.86	17.50	1.159			0.14	0.058	0.067
	FR1 n77_Ant 0	100M	BPSK	1	1	Edge 1	0mm	0	ON	656000	3840	Auden	16.98	17.50	1.127			0.18	0.880	0.992
	FR1 n77_Ant 0	100M	BPSK	135	69	Edge 1	0mm	0	ON	656000	3840	Auden	16.86	17.50	1.159			-0.01	0.852	0.987
	FR1 n77_Ant 0	100M	BPSK	270	0	Edge 1	0mm	0	ON	656000	3840	Auden	16.70	17.50	1.202			-0.04	0.821	0.987
	FR1 n77_HPUE_Ant 0	100M	BPSK	1	1	Edge 1	0mm	0	ON	656000	3840	Auden	20.04	20.50	1.112	50	1,000	0.06	0.898	0.998
	FR1 n77_HPUE_Ant 0	100M	BPSK	1	1	Edge 1	0mm	0	ON	656000	3840	Speed	20.04	20.50	1.112	50	1,000	0.04	0.859	0.955
	FR1 n77_Ant 2	100M	BPSK	1	1	Bottom Face	14mm	2	OFF	656000	3840	Auden	23.25	24.00	1.189			0.06	0.224	0.266
	FR1 n77_Ant 2	100M	BPSK	135	69	Bottom Face	14mm	2	OFF	656000	3840	Auden	22.91	24.00	1.285			0.02	0.199	0.256
	FR1 n77_Ant 2	100M	BPSK	1	1	Edge 1	24mm	2	OFF	656000	3840	Auden	23.25	24.00	1.189			0.12	0.283	0.336
	FR1 n77_Ant 2	100M	BPSK	135	69	Edge 1	24mm	2	OFF	656000	3840	Auden	22.91	24.00	1.285			-0.16	0.251	0.323
	FR1 n77_Ant 2	100M	BPSK	1	1	Edge 4	8mm	2	OFF	656000	3840	Auden	23.25	24.00	1.189			-0.12	0.318	0.378
	FR1 n77_Ant 2	100M	BPSK	135	69	Edge 4	8mm	2	OFF	656000	3840	Auden	22.91	24.00	1.285			0.07	0.281	0.361
	FR1 n77_Ant 2	100M	BPSK	1	1	Bottom Face	0mm	2	ON	656000	3840	Auden	13.56	14.50	1.242			-0.18	0.108	0.134
	FR1 n77_Ant 2	100M	BPSK	135	69	Bottom Face	0mm	2	ON	656000	3840	Auden	13.44	14.50	1.276			0.02	0.097	0.124
	FR1 n77_Ant 2	100M	BPSK	1	1	Edge 1	0mm	2	ON	656000	3840	Auden	13.56	14.50	1.242			-0.04	0.552	0.685
	FR1 n77_Ant 2	100M	BPSK	135	69	Edge 1	0mm	2	ON	656000	3840	Auden	13.44	14.50	1.276			0.02	0.533	0.680
	FR1 n77_Ant 2	100M	BPSK	1	1	Edge 4	0mm	2	ON	656000	3840	Auden	13.56	14.50	1.242			0.02	0.211	0.262
	FR1 n77_Ant 2	100M	BPSK	135	69	Edge 4	0mm	2	ON	656000	3840	Auden	13.44	14.50	1.276			0.13	0.199	0.254
	FR1 n77_HPUE_Ant 2	100M	BPSK	1	1	Edge 1	0mm	2	ON	656000	3840	Auden	16.44	17.50	1.276	50	1,000	0.02	0.484	0.618
	FR1 n77_Ant 2	100M	BPSK	1	1	Edge 1	0mm	2	ON	656000	3840	Speed	13.56	14.50	1.242			0.13	0.520	0.646
	FR1 n77_Ant 1	100M	BPSK	1	1	Bottom Face	0mm	1	OFF	656000	3840	Auden	12.75	13.00	1.059			0.04	0.064	0.068
	FR1 n77_Ant 1	100M	BPSK	135	69	Bottom Face	0mm	1	OFF	656000	3840	Auden	12.69	13.00	1.074			0.01	0.062	0.067
	FR1 n77_Ant 1	100M	BPSK	1	1	Edge 1	0mm	1	OFF	656000	3840	Auden	12.75	13.00	1.059			-0.18	0.452	0.479
	FR1 n77_Ant 1	100M	BPSK	135	69	Edge 1	0mm	1	OFF	656000	3840	Auden	12.69	13.00	1.074			0.1	0.422	0.453
	FR1 n77_Ant 1	100M	BPSK	1	1	Edge 4	0mm	1	OFF	656000	3840	Auden	12.75	13.00	1.059			0.16	0.042	0.044
	FR1 n77_Ant 1	100M	BPSK	135	69	Edge 4	0mm	1	OFF	656000	3840	Auden	12.69	13.00	1.074			-0.11	0.040	0.043
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Edge 1	0mm	1	OFF	656000	3840	Auden	14.84	16.00	1.306	50	1,000	0.1	0.362	0.473
	FR1 n77_Ant 1	100M	BPSK	1	1	Edge 1	0mm	1	OFF	656000	3840	Speed	12.75	13.00	1.059			-0.03	0.322	0.341
	FR1 n77_Ant 3	100M	BPSK	1	1	Bottom Face	0mm	3	OFF	656000	3840	Auden	10.67	11.50	1.211			-0.06	0.025	0.030
	FR1 n77_Ant 3	100M	BPSK	135	69	Bottom Face	0mm	3	OFF	656000	3840	Auden	10.51	11.50	1.256			0.14	0.022	0.028
	FR1 n77_Ant 3	100M	BPSK	1	1	Edge 1	0mm	3	OFF	656000	3840	Auden	10.67	11.50	1.211			0.01	0.348	0.421
	FR1 n77_Ant 3	100M	BPSK	135	69	Edge 1	0mm	3	OFF	656000	3840	Auden	10.51	11.50	1.256			0.03	0.322	0.404
	FR1 n77_Ant 3	100M	BPSK	1	1	Edge 2	0mm	3	OFF	656000	3840	Auden	10.67	11.50	1.211			0.11	0.012	0.015
	FR1 n77_Ant 3	100M	BPSK	135	69	Edge 2	0mm	3	OFF	656000	3840	Auden	10.51	11.50	1.256			0.01	0.010	0.013
	FR1 n77_HPUE_Ant 3	100M	BPSK	1	1	Edge 1	0mm	3	OFF	656000	3840	Auden	13.90	14.50	1.148	50	1,000	-0.08	0.342	0.393
	FR1 n77_Ant 3	100M	BPSK	1	1	Edge 1	0mm	3	OFF	656000	3840	Speed	10.67	11.50	1.211			-0.12	0.333	0.403



FCC SAR TEST REPORT

Report No. : FA3N0602

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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)
	FR1 n77_Ant 0	100M	BPSK	1	1	Bottom Face	4mm	0	OFF	633332	3499.98	Auden	23.25	24.00	1.189			-0.02	0.283	0.336
	FR1 n77_Ant 0	100M	BPSK	135	69	Bottom Face	4mm	0	OFF	633332	3499.98	Auden	23.16	24.00	1.213			-0.05	0.266	0.323
	FR1 n77_Ant 0	100M	BPSK	1	1	Edge 1	21mm	0	OFF	633332	3499.98	Auden	23.25	24.00	1.189			-0.13	0.228	0.271
	FR1 n77_Ant 0	100M	BPSK	135	69	Edge 1	21mm	0	OFF	633332	3499.98	Auden	23.16	24.00	1.213			0.08	0.219	0.266
	FR1 n77_Ant 0	100M	BPSK	1	1	Edge 2	0mm	0	OFF	633332	3499.98	Auden	23.25	24.00	1.189			-0.18	0.013	0.015
	FR1 n77_Ant 0	100M	BPSK	135	69	Edge 2	0mm	0	OFF	633332	3499.98	Auden	23.16	24.00	1.213			0.17	0.009	0.011
	FR1 n77_Ant 0	100M	BPSK	1	1	Bottom Face	0mm	0	ON	633332	3499.98	Auden	16.51	17.50	1.256			0.17	0.033	0.041
	FR1 n77_Ant 0	100M	BPSK	135	69	Bottom Face	0mm	0	ON	633332	3499.98	Auden	16.45	17.50	1.274			0.16	0.026	0.033
	FR1 n77_Ant 0	100M	BPSK	1	1	Edge 1	0mm	0	ON	633332	3499.98	Auden	16.51	17.50	1.256			-0.19	0.522	0.656
	FR1 n77_Ant 0	100M	BPSK	135	69	Edge 1	0mm	0	ON	633332	3499.98	Auden	16.45	17.50	1.274			0.11	0.433	0.551
	FR1 n77_HPUE_Ant 0	100M	BPSK	1	1	Edge 1	0mm	0	ON	633332	3499.98	Auden	19.76	20.50	1.186	50	1.000	-0.18	0.596	0.707
	FR1 n77_HPUE_Ant 0	100M	BPSK	1	1	Edge 1	0mm	0	ON	633332	3499.98	Speed	19.76	20.50	1.186	50	1.000	-0.19	0.447	0.530
	FR1 n77_Ant 2	100M	BPSK	1	1	Bottom Face	14mm	2	OFF	633332	3499.98	Auden	23.20	24.00	1.202			0.16	0.216	0.260
	FR1 n77_Ant 2	100M	BPSK	135	69	Bottom Face	14mm	2	OFF	633332	3499.98	Auden	23.17	24.00	1.211			0.01	0.205	0.248
	FR1 n77_Ant 2	100M	BPSK	1	1	Edge 1	24mm	2	OFF	633332	3499.98	Auden	23.20	24.00	1.202			-0.16	0.296	0.356
	FR1 n77_Ant 2	100M	BPSK	135	69	Edge 1	24mm	2	OFF	633332	3499.98	Auden	23.17	24.00	1.211			0.1	0.288	0.349
	FR1 n77_Ant 2	100M	BPSK	1	1	Edge 4	8mm	2	OFF	633332	3499.98	Auden	23.20	24.00	1.202			-0.04	0.455	0.547
	FR1 n77_Ant 2	100M	BPSK	135	69	Edge 4	8mm	2	OFF	633332	3499.98	Auden	23.17	24.00	1.211			-0.01	0.447	0.541
	FR1 n77_Ant 2	100M	BPSK	1	1	Bottom Face	0mm	2	ON	633332	3499.98	Auden	13.62	14.50	1.225			0.03	0.154	0.189
	FR1 n77_Ant 2	100M	BPSK	135	69	Bottom Face	0mm	2	ON	633332	3499.98	Auden	13.52	14.50	1.253			0.01	0.143	0.179
29	FR1 n77_Ant 2	100M	BPSK	1	1	Edge 1	0mm	2	ON	633332	3499.98	Auden	13.62	14.50	1.225			-0.03	0.916	1.122
	FR1 n77_Ant 2	100M	BPSK	135	69	Edge 1	0mm	2	ON	633332	3499.98	Auden	13.52	14.50	1.253			0.02	0.892	1.118
	FR1 n77_Ant 2	100M	BPSK	270	0	Edge 1	0mm	2	ON	633332	3499.98	Auden	13.48	14.50	1.265			-0.01	0.822	1.040
	FR1 n77_Ant 2	100M	BPSK	1	1	Edge 4	0mm	2	ON	633332	3499.98	Auden	13.62	14.50	1.225			-0.17	0.276	0.338
	FR1 n77_Ant 2	100M	BPSK	135	69	Edge 4	0mm	2	ON	633332	3499.98	Auden	13.52	14.50	1.253			-0.11	0.261	0.327
	FR1 n77_HPUE_Ant 2	100M	BPSK	1	1	Edge 1	0mm	2	ON	633332	3499.98	Auden	16.58	17.50	1.236	50	1.000	0.1	0.880	1.088
	FR1 n77_Ant 2	100M	BPSK	1	1	Edge 1	0mm	2	ON	633332	3499.98	Speed	13.62	14.50	1.225			0.02	0.898	1.100
	FR1 n77_Ant 1	100M	BPSK	1	1	Bottom Face	0mm	1	OFF	633332	3499.98	Auden	12.78	13.00	1.052			0.09	0.032	0.034
	FR1 n77_Ant 1	100M	BPSK	135	69	Bottom Face	0mm	1	OFF	633332	3499.98	Auden	12.64	13.00	1.086			0.04	0.031	0.034
	FR1 n77_Ant 1	100M	BPSK	1	1	Edge 1	0mm	1	OFF	633332	3499.98	Auden	12.78	13.00	1.052			-0.09	0.205	0.216
	FR1 n77_Ant 1	100M	BPSK	135	69	Edge 1	0mm	1	OFF	633332	3499.98	Auden	12.64	13.00	1.086			0.05	0.192	0.209
	FR1 n77_Ant 1	100M	BPSK	1	1	Edge 4	0mm	1	OFF	633332	3499.98	Auden	12.78	13.00	1.052			0.08	0.023	0.024
	FR1 n77_Ant 1	100M	BPSK	135	69	Edge 4	0mm	1	OFF	633332	3499.98	Auden	12.64	13.00	1.086			0.11	0.018	0.020
	FR1 n77_HPUE_Ant 1	100M	BPSK	1	1	Edge 1	0mm	1	OFF	633332	3499.98	Auden	14.56	16.00	1.393	50	1.000	0	0.146	0.203
	FR1 n77_Ant 1	100M	BPSK	1	1	Edge 1	0mm	1	OFF	633332	3499.98	Speed	12.78	13.00	1.052			0.01	0.167	0.176
	FR1 n77_Ant 3	100M	BPSK	1	1	Bottom Face	0mm	3	OFF	633332	3499.98	Auden	10.61	11.50	1.227			0.11	0.025	0.031
	FR1 n77_Ant 3	100M	BPSK	135	69	Bottom Face	0mm	3	OFF	633332	3499.98	Auden	10.43	11.50	1.279			0	0.022	0.028
	FR1 n77_Ant 3	100M	BPSK	1	1	Edge 1	0mm	3	OFF	633332	3499.98	Auden	10.61	11.50	1.227			-0.03	0.153	0.188
	FR1 n77_Ant 3	100M	BPSK	135	69	Edge 1	0mm	3	OFF	633332	3499.98	Auden	10.43	11.50	1.279			0.08	0.132	0.169
	FR1 n77_Ant 3	100M	BPSK	1	1	Edge 2	0mm	3	OFF	633332	3499.98	Auden	10.61	11.50	1.227			0.04	0.011	0.014
	FR1 n77_Ant 3	100M	BPSK	135	69	Edge 2	0mm	3	OFF	633332	3499.98	Auden	10.43	11.50	1.279			0.12	0.009	0.012
	FR1 n77_HPUE_Ant 3	100M	BPSK	1	1	Edge 1	0mm	3	OFF	633332	3499.98	Auden	14.35	14.50	1.035	50	1.000	-0.15	0.165	0.171
	FR1 n77_Ant 3	100M	BPSK	1	1	Edge 1	0mm	3	OFF	633332	3499.98	Speed	10.61	11.50	1.227			0.07	0.116	0.142



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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)
	FR1 n77/n78_Ant 0	100M	BPSK	1	1	Bottom Face	4mm	0	OFF	641666	3624.99	Auden	23.50	24.00	1.122			0	0.349	0.392
	FR1 n77/n78_Ant 0	100M	BPSK	135	69	Bottom Face	4mm	0	OFF	641666	3624.99	Auden	23.36	24.00	1.159			-0.11	0.322	0.373
	FR1 n77/n78_Ant 0	100M	BPSK	1	1	Edge 1	21mm	0	OFF	641666	3624.99	Auden	23.50	24.00	1.122			-0.06	0.219	0.246
	FR1 n77/n78_Ant 0	100M	BPSK	135	69	Edge 1	21mm	0	OFF	641666	3624.99	Auden	23.36	24.00	1.159			-0.15	0.197	0.228
	FR1 n77/n78_Ant 0	100M	BPSK	1	1	Edge 2	0mm	0	OFF	641666	3624.99	Auden	23.50	24.00	1.122			0.13	0.025	0.028
	FR1 n77/n78_Ant 0	100M	BPSK	135	69	Edge 2	0mm	0	OFF	641666	3624.99	Auden	23.36	24.00	1.159			0.11	0.018	0.021
	FR1 n77/n78_Ant 0	100M	BPSK	1	1	Bottom Face	0mm	0	ON	641666	3624.99	Auden	17.17	17.50	1.079			-0.17	0.062	0.067
	FR1 n77/n78_Ant 0	100M	BPSK	135	69	Bottom Face	0mm	0	ON	641666	3624.99	Auden	17.03	17.50	1.114			0.11	0.057	0.064
	FR1 n77/n78_Ant 0	100M	BPSK	1	1	Edge 1	0mm	0	ON	641666	3624.99	Auden	17.17	17.50	1.079			0.15	0.803	0.866
	FR1 n77/n78_Ant 0	100M	BPSK	135	69	Edge 1	0mm	0	ON	641666	3624.99	Auden	17.03	17.50	1.114			0.05	0.733	0.817
	FR1 n77/n78_Ant 0	100M	BPSK	270	0	Edge 1	0mm	0	ON	641666	3624.99	Auden	16.99	17.50	1.125			-0.12	0.753	0.847
	FR1 n77/n78_HPUE_Ant 0	100M	BPSK	1	1	Edge 1	0mm	0	ON	641666	3624.99	Auden	20.17	20.50	1.079	50	1.000	-0.03	0.739	0.797
	FR1 n77/n78_Ant 0	100M	BPSK	1	1	Edge 1	0mm	0	ON	641666	3624.99	Speed	17.17	17.50	1.079			0	0.703	0.758
	FR1 n77/n78_Ant 2	100M	BPSK	1	1	Bottom Face	14mm	2	OFF	641666	3624.99	Auden	23.27	24.00	1.183			0.030	0.217	0.257
	FR1 n77/n78_Ant 2	100M	BPSK	135	0	Bottom Face	14mm	2	OFF	641666	3624.99	Auden	23.09	23.50	1.099			-0.130	0.209	0.230
	FR1 n77/n78_Ant 2	100M	BPSK	1	1	Edge 1	24mm	2	OFF	641666	3624.99	Auden	23.27	24.00	1.183			0.160	0.308	0.364
	FR1 n77/n78_Ant 2	100M	BPSK	135	0	Edge 1	24mm	2	OFF	641666	3624.99	Auden	23.09	23.50	1.099			-0.150	0.281	0.309
	FR1 n77/n78_Ant 2	100M	BPSK	1	1	Edge 4	8mm	2	OFF	641666	3624.99	Auden	23.27	24.00	1.183			-0.02	0.366	0.433
	FR1 n77/n78_Ant 2	100M	BPSK	135	0	Edge 4	8mm	2	OFF	641666	3624.99	Auden	23.09	23.50	1.099			-0.09	0.339	0.373
	FR1 n77/n78_Ant 2	100M	BPSK	1	1	Bottom Face	0mm	2	ON	641666	3624.99	Auden	13.62	14.50	1.225			-0.01	0.117	0.143
	FR1 n77/n78_Ant 2	100M	BPSK	135	0	Bottom Face	0mm	2	ON	641666	3624.99	Auden	13.52	14.50	1.253			0.1	0.103	0.129
	FR1 n77/n78_Ant 2	100M	BPSK	1	1	Edge 1	0mm	2	ON	641666	3624.99	Auden	13.62	14.50	1.225			0.01	0.702	0.860
	FR1 n77/n78_Ant 2	100M	BPSK	135	0	Edge 1	0mm	2	ON	641666	3624.99	Auden	13.52	14.50	1.253			0.03	0.673	0.843
	FR1 n77/n78_Ant 2	100M	BPSK	270	0	Edge 1	0mm	2	ON	641666	3624.99	Auden	13.51	14.50	1.256			0	0.621	0.780
	FR1 n77/n78_Ant 2	100M	BPSK	1	1	Edge 4	0mm	2	ON	641666	3624.99	Auden	13.62	14.50	1.225			0.07	0.206	0.252
	FR1 n77/n78_Ant 2	100M	BPSK	135	0	Edge 4	0mm	2	ON	641666	3624.99	Auden	13.52	14.50	1.253			0.12	0.158	0.198
	FR1 n77/n78_HPUE_Ant 2	100M	BPSK	1	1	Edge 1	0mm	2	ON	641666	3624.99	Auden	16.52	17.50	1.253	50	1.000	-0.18	0.628	0.787
	FR1 n77/n78_Ant 2	100M	BPSK	1	1	Edge 1	0mm	2	ON	641666	3624.99	Speed	13.62	14.50	1.225			0.06	0.624	0.764
	FR1 n77/n78_Ant 1	100M	BPSK	1	1	Bottom Face	0mm	1	OFF	641666	3624.99	Auden	12.67	13.00	1.079			-0.03	0.032	0.035
	FR1 n77/n78_Ant 1	100M	BPSK	135	0	Bottom Face	0mm	1	OFF	641666	3624.99	Auden	12.50	13.00	1.122			0.03	0.025	0.028
	FR1 n77/n78_Ant 1	100M	BPSK	1	1	Edge 1	0mm	1	OFF	641666	3624.99	Auden	12.67	13.00	1.079			-0.09	0.211	0.228
	FR1 n77/n78_Ant 1	100M	BPSK	135	0	Edge 1	0mm	1	OFF	641666	3624.99	Auden	12.50	13.00	1.122			-0.08	0.192	0.215
	FR1 n77/n78_Ant 1	100M	BPSK	1	1	Edge 4	0mm	1	OFF	641666	3624.99	Auden	12.67	13.00	1.079			-0.05	0.020	0.022
	FR1 n77/n78_Ant 1	100M	BPSK	135	0	Edge 4	0mm	1	OFF	641666	3624.99	Auden	12.50	13.00	1.122			-0.08	0.015	0.017
	FR1 n77/n78_HPUE_Ant 1	100M	BPSK	1	1	Edge 1	0mm	1	OFF	641666	3624.99	Auden	14.79	16.00	1.321	50	1.000	-0.1	0.163	0.215
	FR1 n77/n78_Ant 1	100M	BPSK	1	1	Edge 1	0mm	1	OFF	641666	3624.99	Speed	12.67	13.00	1.079			-0.03	0.204	0.220
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Bottom Face	0mm	3	OFF	641666	3624.99	Auden	11.12	11.50	1.091			0	0.028	0.031
	FR1 n77/n78_Ant 3	100M	BPSK	135	0	Bottom Face	0mm	3	OFF	641666	3624.99	Auden	10.96	11.50	1.132			0.12	0.023	0.026
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Edge 1	0mm	3	OFF	641666	3624.99	Auden	11.12	11.50	1.091			0	0.298	0.325
	FR1 n77/n78_Ant 3	100M	BPSK	135	0	Edge 1	0mm	3	OFF	641666	3624.99	Auden	10.96	11.50	1.132			0.08	0.217	0.246
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Edge 2	0mm	3	OFF	641666	3624.99	Auden	11.12	11.50	1.091			-0.08	0.010	0.011
	FR1 n77/n78_Ant 3	100M	BPSK	135	0	Edge 2	0mm	3	OFF	641666	3624.99	Auden	10.96	11.50	1.132			-0.17	0.005	0.006
	FR1 n77/n78_HPUE_Ant 3	100M	BPSK	1	1	Edge 1	0mm	3	OFF	641666	3624.99	Auden	13.96	14.50	1.132			-0.12	0.272	0.308
	FR1 n77/n78_Ant 3	100M	BPSK	1	1	Edge 1	0mm	3	OFF	641666	3624.99	Speed	11.12	11.50	1.091			-0.16	0.242	0.264



15.2 Repeated SAR Measurement

No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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	LTE Band 7_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	21100	2535	Auden	16.17	16.50	1.079			0.04	0.977	1.01	1.054
2nd	LTE Band 7_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	21100	2535	Auden	16.17	16.50	1.079			0	0.963	-	1.039
1st	LTE Band 30_Ant 0	10M	QPSK	1	0	Edge 1	0mm	0	ON	27710	2310	Speed	17.45	17.50	1.012			-0.1	1.050	1.06	1.062
2nd	LTE Band 30_Ant 0	10M	QPSK	1	0	Edge 1	0mm	0	ON	27710	2310	Speed	17.45	17.50	1.012			0.04	0.986	-	0.997
1st	LTE Band 66_Ant 2	20M	QPSK	1	0	Edge 4	0mm	2	OFF	132322	1745	Auden	23.30	24.00	1.175			-0.02	0.995	1.01	1.169
2nd	LTE Band 66_Ant 2	20M	QPSK	1	0	Edge 4	0mm	2	OFF	132322	1745	Auden	23.30	24.00	1.175			0.02	0.982	-	1.154
1st	LTE Band 48_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	56640	3690	Speed	18.33	19.00	1.167	62.9	1.006	-0.14	0.956	1.01	1.122
2nd	LTE Band 48_Ant 0	20M	QPSK	1	0	Edge 1	0mm	0	ON	56640	3690	Speed	18.33	19.00	1.167	62.9	1.006	0.02	0.948	-	1.113
1st	FR1 n25_Ant 2	40M	BPSK	1	1	Edge 4	0mm	2	ON	376500	1882.5	Auden	22.40	23.00	1.148			-0.05	0.995	1.02	1.142
2nd	FR1 n25_Ant 2	40M	BPSK	1	1	Edge 4	0mm	2	ON	376500	1882.5	Auden	22.40	23.00	1.148			0.02	0.972	-	1.116
1st	FR1 n26_Ant 0	20M	BPSK	1	1	Edge 1	0mm	0	ON	166300	831.5	Auden	21.88	22.50	1.153			0.07	0.985	1.02	1.136
2nd	FR1 n26_Ant 0	20M	BPSK	1	1	Edge 1	0mm	0	ON	166300	831.5	Auden	21.88	22.50	1.153			0.01	0.966	-	1.114
1st	FR1 n71_Ant 0	30M	BPSK	1	1	Edge 1	0mm	0	ON	136100	680.5	Auden	22.00	22.50	1.122			-0.03	0.941	1.02	1.056
2nd	FR1 n71_Ant 0	30M	BPSK	1	1	Edge 1	0mm	0	ON	136100	680.5	Auden	22.00	22.50	1.122			-0.08	0.926	-	1.039
1st	FR1 n77_HPUE_Ant 0	100M	BPSK	1	1	Edge 1	0mm	0	ON	656000	3840	Auden	20.04	20.50	1.112	50	1.000	0.06	0.898	1.03	0.998
2nd	FR1 n77_HPUE_Ant 0	100M	BPSK	1	1	Edge 1	0mm	0	ON	656000	3840	Auden	20.04	20.50	1.112	50	1.000	0.05	0.876	-	0.974
1st	FR1 n77_Ant 2	100M	BPSK	1	1	Edge 1	0mm	2	ON	633332	3499.98	Auden	13.62	14.50	1.225			-0.03	0.916	1.02	1.122
2nd	FR1 n77_Ant 2	100M	BPSK	1	1	Edge 1	0mm	2	ON	633332	3499.98	Auden	13.62	14.50	1.225			0.09	0.894	-	1.095

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)	15.5	18.5
Reported 1g SAR (W/kg)	1.199	1.183
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	35.48	35.40
Linearity SAR(W/kg)	1.20	
% deviation from expected linearity		-1.10%

	FR1 n41_Ant 2 (Power Class 3)	FR1 n41_Ant 2 (Power Class 2)
Maximum Tune up Power (dBm)	19.5	22.5
Reported 1g SAR (W/kg)	1.182	1.124
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	89.13	88.91
Linearity SAR(W/kg)	1.18	
% deviation from expected linearity		-4.68%

	FR1 n41_Ant 1 (Power Class 3)	FR1 n41_Ant 1 (Power Class 2)
Maximum Tune up Power (dBm)	15	18
Reported 1g SAR (W/kg)	0.224	0.207
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	31.62	31.55
Linearity SAR(W/kg)	0.22	
% deviation from expected linearity		-7.37%

	FR1 n41_Ant 3 (Power Class 3)	FR1 n41_Ant 3 (Power Class 2)
Maximum Tune up Power (dBm)	14	17
Reported 1g SAR (W/kg)	0.397	0.377
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	25.12	25.06
Linearity SAR(W/kg)	0.40	
% deviation from expected linearity		-4.81%



	FR1 n77_Ant 0	FR1 n77_Ant 0
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	17.5	20.5
Reported 1g SAR (W/kg)	0.992	0.998
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	56.23	56.10
Linearity SAR(W/kg)	0.99	
% deviation from expected linearity		0.84%

	FR1 n77_Ant 1	FR1 n77_Ant 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	13	16
Reported 1g SAR (W/kg)	0.479	0.473
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	19.95	19.91
Linearity SAR(W/kg)	0.48	
% deviation from expected linearity		-1.02%

	FR1 n77_Ant 3	FR1 n77_Ant 3
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	11.5	14.5
Reported 1g SAR (W/kg)	0.421	0.393
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	14.13	14.09
Linearity SAR(W/kg)	0.42	
% deviation from expected linearity		-6.43%

	FR1 n77_Ant 2	FR1 n77_Ant 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	14.5	17.5
Reported 1g SAR (W/kg)	1.122	1.088
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	28.18	28.12
Linearity SAR(W/kg)	1.12	
% deviation from expected linearity		-2.80%



16. Simultaneous Transmission Analysis

WWAN + WLAN <Intel AX211NGW>		
NO.	Simultaneous Transmission Configurations	Body
1.	WWAN Ant 0 + WWAN Ant 3 + WLAN2.4GHz Ant 1 + WLAN2.4GHz Ant 2	Yes
2.	WWAN Ant 0 + WWAN Ant 3 + WLAN2.4GHz Ant 1 + Bluetooth Ant 2	Yes
3.	WWAN Ant 0 + WWAN Ant 3 + WLAN5/6GHz Ant 1 + WLAN5/6GHz Ant 2 + Bluetooth Ant 2	Yes
4.	WWAN Ant 0 + WWAN Ant 2 + WLAN2.4GHz Ant 1 + WLAN2.4GHz Ant 2	Yes
5.	WWAN Ant 0 + WWAN Ant 2 + WLAN2.4GHz Ant 1 + Bluetooth Ant 2	Yes
6.	WWAN Ant 0 + WWAN Ant 2 + WLAN5/6GHz Ant 1 + WLAN5/6GHz Ant 2 + Bluetooth Ant 2	Yes
7.	WWAN Ant 0 + WWAN Ant 1 + WLAN2.4GHz Ant 1 + WLAN2.4GHz Ant 2	Yes
8.	WWAN Ant 0 + WWAN Ant 1 + WLAN2.4GHz Ant 1 + Bluetooth Ant 2	Yes
9.	WWAN Ant 0 + WWAN Ant 1 + WLAN5/6GHz Ant 1 + WLAN5/6GHz Ant 2 + Bluetooth Ant 2	Yes
10.	WWAN Ant 1 + WWAN Ant 2 + WLAN2.4GHz Ant 1 + WLAN2.4GHz Ant 2	Yes
11.	WWAN Ant 1 + WWAN Ant 2 + WLAN2.4GHz Ant 1 + Bluetooth Ant 2	Yes
12.	WWAN Ant 1 + WWAN Ant 2 + WLAN5/6GHz Ant 1 + WLAN5/6GHz Ant 2 + Bluetooth Ant 2	Yes
13.	WWAN Ant 1 + WWAN Ant 3 + WLAN2.4GHz Ant 1 + WLAN2.4GHz Ant 2	Yes
14.	WWAN Ant 1 + WWAN Ant 3 + WLAN2.4GHz Ant 1 + Bluetooth Ant 2	Yes
15.	WWAN Ant 1 + WWAN Ant 3 + WLAN5/6GHz Ant 1 + WLAN5/6GHz Ant 2 + Bluetooth Ant 2	Yes
16.	WWAN Ant 2 + WWAN Ant 3 + WLAN2.4GHz Ant 1 + WLAN2.4GHz Ant 2	Yes
17.	WWAN Ant 2 + WWAN Ant 3 + WLAN2.4GHz Ant 1 + Bluetooth Ant 2	Yes
18.	WWAN Ant 2 + WWAN Ant 3 + WLAN5/6GHz Ant 1 + WLAN5/6GHz Ant 2 + Bluetooth Ant 2	Yes

WWAN + WLAN <REALTEK RTL8852BE>		
NO.	Simultaneous Transmission Configurations	Body
1.	WWAN Ant 0 + WWAN Ant 3 + WLAN2.4GHz Ant 1 + WLAN2.4GHz Ant 2	Yes
2.	WWAN Ant 0 + WWAN Ant 3 + WLAN5/6GHz Ant 1 + WLAN5/6GHz Ant 2 + Bluetooth Ant 2	Yes
3.	WWAN Ant 0 + WWAN Ant 2 + WLAN2.4GHz Ant 1 + WLAN2.4GHz Ant 2	Yes
4.	WWAN Ant 0 + WWAN Ant 2 + WLAN5/6GHz Ant 1 + WLAN5/6GHz Ant 2 + Bluetooth Ant 2	Yes
5.	WWAN Ant 0 + WWAN Ant 1 + WLAN2.4GHz Ant 1 + WLAN2.4GHz Ant 2	Yes
6.	WWAN Ant 0 + WWAN Ant 1 + WLAN5/6GHz Ant 1 + WLAN5/6GHz Ant 2 + Bluetooth Ant 2	Yes
7.	WWAN Ant 1 + WWAN Ant 2 + WLAN2.4GHz Ant 1 + WLAN2.4GHz Ant 2	Yes
8.	WWAN Ant 1 + WWAN Ant 2 + WLAN5/6GHz Ant 1 + WLAN5/6GHz Ant 2 + Bluetooth Ant 2	Yes
9.	WWAN Ant 1 + WWAN Ant 3 + WLAN2.4GHz Ant 1 + WLAN2.4GHz Ant 2	Yes
10.	WWAN Ant 1 + WWAN Ant 3 + WLAN5/6GHz Ant 1 + WLAN5/6GHz Ant 2 + Bluetooth Ant 2	Yes
11.	WWAN Ant 2 + WWAN Ant 3 + WLAN2.4GHz Ant 1 + WLAN2.4GHz Ant 2	Yes
12.	WWAN Ant 2 + WWAN Ant 3 + WLAN5/6GHz Ant 1 + WLAN5/6GHz Ant 2 + Bluetooth Ant 2	Yes

General Note:

- The Intel AX211NGW WLAN/BT module is integrated into this host. The WLAN 2.4GHz, 5GHz and Bluetooth SAR results are referenced from Intel SAR report, report number: 221026-01.TR02 (FCC ID: PD9AX211NG), WLAN 5.9GHz SAR referred to report No.: 221026-01.TR05 (FCC ID: PD9AX211NG), WLAN 6GHz SAR referred to new report No.: 221026-01.TR03 (FCC ID: PD9AX211NG) and these SAR results are also used to perform simultaneous transmission analysis.
- The REALTEK RTL8852BE WLAN/Bluetooth module is also integrated into this host, WLAN/Bluetooth SAR testing data, which can be referred to Sporton SAR Test Report, Report No.: FA2N0214 (FCC ID: E2K-RTL8852BE) and the result is used to do simultaneous transmission analysis.
- 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 = $(SAR1 + SAR2) \cdot 1.5 / (\text{min. separation distance, mm})$, 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

WWAN + WLAN <Intel AX211NGW>

Exposure Position	0	1	2	3	4	5	6	0+1+2+3 Summed 1g SAR (W/kg)	0+1+4+5+6 Summed 1g SAR (W/kg)	0+1+2+6 Summed 1g SAR (W/kg)	SPLSR	Case No
	WWAN Ant 0 1g SAR (W/kg)	WWAN Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 1 1g SAR (W/kg)	WLAN2.4GHz Ant 2 1g SAR (W/kg)	WLAN5/6GHz Ant 1 1g SAR (W/kg)	WLAN5/6GHz Ant 2 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)					
Bottom Face at 0mm	0.599	0.031	0.050	0.030	0.070	1.140	0.010	0.710	1.850	0.690	0.030	Case 1
Edge 1 at 0mm	1.199	0.421						1.620	1.620	1.620	0.020	Case 3
Edge 2 at 0mm	0.227	0.015	0.400	0.010	0.400	0.740	0.010	0.652	1.392	0.652		
Edge 3 at 0mm			0.350	0.400	1.010	0.400	0.400	0.750	1.810	0.750	0.030	refer to Intel Report section B.5.3
Edge 4 at 0mm								0.000	0.000	0.000		



Exposure Position	0	1	2	3	4	5	6	0+1+2+3 Summed 1g SAR (W/kg)	0+1+4+5+6 Summed 1g SAR (W/kg)	0+1+2+6 Summed 1g SAR (W/kg)	SPLSR	Case No
	WWAN Ant 0 1g SAR (W/kg)	WWAN Ant 2 1g SAR (W/kg)	WLAN2.4GHz Ant 1 1g SAR (W/kg)	WLAN2.4GHz Ant 2 1g SAR (W/kg)	WLAN5/6GHz Ant 1 1g SAR (W/kg)	WLAN5/6GHz Ant 2 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)					
Bottom Face at 0mm	0.599	0.416	0.050	0.030	0.070	1.140	0.010	1.095	2.235	1.075	0.030	Case 5
Edge 1 at 0mm	1.199	1.182						2.381	2.381	2.381	0.020	Case 6
Edge 2 at 0mm	0.227		0.400	0.010	0.400	0.740	0.010	0.637	1.377	0.637		
Edge 3 at 0mm			0.350	0.400	1.010	0.400	0.400	0.750	1.810	0.750	0.030	refer to Intel Report section B.5.3
Edge 4 at 0mm		1.169						1.169	1.169	1.169		

Exposure Position	0	1	2	3	4	5	6	0+1+2+3 Summed 1g SAR (W/kg)	0+1+4+5+6 Summed 1g SAR (W/kg)	0+1+2+6 Summed 1g SAR (W/kg)	SPLSR	Case No
	WWAN Ant 0 1g SAR (W/kg)	WWAN Ant 1 1g SAR (W/kg)	WLAN2.4GHz Ant 1 1g SAR (W/kg)	WLAN2.4GHz Ant 2 1g SAR (W/kg)	WLAN5/6GHz Ant 1 1g SAR (W/kg)	WLAN5/6GHz Ant 2 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)					
Bottom Face at 0mm	0.599	0.068	0.050	0.030	0.070	1.140	0.010	0.747	1.887	0.727	0.030	Case 8
Edge 1 at 0mm	1.199	0.479						1.678	1.678	1.678	0.030	Case 9
Edge 2 at 0mm	0.227	0.126	0.400	0.010	0.400	0.740	0.010	0.763	1.503	0.763		
Edge 3 at 0mm			0.350	0.400	1.010	0.400	0.400	0.750	1.810	0.750	0.030	refer to Intel Report section B.5.3
Edge 4 at 0mm		0.044						0.044	0.044	0.044		

Exposure Position	0	1	2	3	4	5	6	0+1+2+3 Summed 1g SAR (W/kg)	0+1+4+5+6 Summed 1g SAR (W/kg)	0+1+2+6 Summed 1g SAR (W/kg)	SPLSR	Case No
	WWAN Ant 1 1g SAR (W/kg)	WWAN Ant 2 1g SAR (W/kg)	WLAN2.4GHz Ant 1 1g SAR (W/kg)	WLAN2.4GHz Ant 2 1g SAR (W/kg)	WLAN5/6GHz Ant 1 1g SAR (W/kg)	WLAN5/6GHz Ant 2 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)					
Bottom Face at 0mm	0.068	0.416	0.050	0.030	0.070	1.140	0.010	0.564	1.704	0.544	0.040	Case 11
Edge 1 at 0mm	0.479	1.182						1.661	1.661	1.661	0.010	Case 12
Edge 2 at 0mm	0.126		0.400	0.010	0.400	0.740	0.010	0.536	1.276	0.536		
Edge 3 at 0mm			0.350	0.400	1.010	0.400	0.400	0.750	1.810	0.750	0.030	refer to Intel Report section B.5.3
Edge 4 at 0mm	0.044	1.169						1.213	1.213	1.213		

Exposure Position	0	1	2	3	4	5	6	0+1+2+3 Summed 1g SAR (W/kg)	0+1+4+5+6 Summed 1g SAR (W/kg)	0+1+2+6 Summed 1g SAR (W/kg)	SPLSR	Case No
	WWAN Ant 1 1g SAR (W/kg)	WWAN Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 1 1g SAR (W/kg)	WLAN2.4GHz Ant 2 1g SAR (W/kg)	WLAN5/6GHz Ant 1 1g SAR (W/kg)	WLAN5/6GHz Ant 2 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)					
Bottom Face at 0mm	0.068	0.031	0.050	0.030	0.070	1.140	0.010	0.179	1.319	0.159		
Edge 1 at 0mm	0.479	0.421						0.900	0.900	0.900		
Edge 2 at 0mm	0.126	0.015	0.400	0.010	0.400	0.740	0.010	0.551	1.291	0.551		
Edge 3 at 0mm			0.350	0.400	1.010	0.400	0.400	0.750	1.810	0.750	0.030	refer to Intel Report section B.5.3
Edge 4 at 0mm	0.044							0.044	0.044	0.044		



Exposure Position	0	1	2	3	4	5	6	0+1+2+3 Summed 1g SAR (W/kg)	0+1+4+5+6 Summed 1g SAR (W/kg)	0+1+2+6 Summed 1g SAR (W/kg)	SPLSR	Case No
	WWAN Ant 2 1g SAR (W/kg)	WWAN Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 1 1g SAR (W/kg)	WLAN2.4GHz Ant 2 1g SAR (W/kg)	WLAN5/6GHz Ant 1 1g SAR (W/kg)	WLAN5/6GHz Ant 2 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)					
Bottom Face at 0mm	0.416	0.031	0.050	0.030	0.070	1.140	0.010	0.527	1.667	0.507	0.010	Case 14
Edge 1 at 0mm	1.182	0.421						1.603	1.603	1.603	0.020	Case 15
Edge 2 at 0mm		0.015	0.400	0.010	0.400	0.740	0.010	0.425	1.165	0.425		
Edge 3 at 0mm			0.350	0.400	1.010	0.400	0.400	0.750	1.810	0.750	0.030	refer to intel Report section B5.3
Edge 4 at 0mm	1.169							1.169	1.169	1.169		

WWAN + WLAN <REALTEK RTL8852BE>

Exposure Position	0	1	2	3	4	5	6	0+1+2+3 Summed 1g SAR (W/kg)	0+1+4+5+6 Summed 1g SAR (W/kg)	SPLSR	Case No
	WWAN Ant 0 1g SAR (W/kg)	WWAN Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 1 1g SAR (W/kg)	WLAN2.4GHz Ant 2 1g SAR (W/kg)	WLAN5/6GHz Ant 1 1g SAR (W/kg)	WLAN5/6GHz Ant 2 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)				
Bottom Face at 0mm	0.599	0.031	0.046	1.082	0.125	1.193	0.376	1.758	2.324	0.040	Case 16
Edge 1 at 0mm	1.199	0.421						1.620	1.620	0.020	Case 17
Edge 2 at 0mm	0.227	0.015		0.402		0.723	0.189	0.644	1.154		
Edge 3 at 0mm			0.476		1.150			0.476	1.150		
Edge 4 at 0mm								0.000	0.000		

Exposure Position	0	1	2	3	4	5	6	0+1+2+3 Summed 1g SAR (W/kg)	0+1+4+5+6 Summed 1g SAR (W/kg)	SPLSR	Case No
	WWAN Ant 0 1g SAR (W/kg)	WWAN Ant 2 1g SAR (W/kg)	WLAN2.4GHz Ant 1 1g SAR (W/kg)	WLAN2.4GHz Ant 2 1g SAR (W/kg)	WLAN5/6GHz Ant 1 1g SAR (W/kg)	WLAN5/6GHz Ant 2 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)				
Bottom Face at 0mm	0.599	0.416	0.046	1.082	0.125	1.193	0.376	2.143	2.709	0.040	Case 18
Edge 1 at 0mm	1.199	1.182						2.381	2.381	0.020	Case 19
Edge 2 at 0mm	0.227			0.402		0.723	0.189	0.629	1.139		
Edge 3 at 0mm			0.476		1.150			0.476	1.150		
Edge 4 at 0mm		1.169						1.169	1.169		

Exposure Position	0	1	2	3	4	5	6	0+1+2+3 Summed 1g SAR (W/kg)	0+1+4+5+6 Summed 1g SAR (W/kg)	SPLSR	Case No
	WWAN Ant 0 1g SAR (W/kg)	WWAN Ant 1 1g SAR (W/kg)	WLAN2.4GHz Ant 1 1g SAR (W/kg)	WLAN2.4GHz Ant 2 1g SAR (W/kg)	WLAN5/6GHz Ant 1 1g SAR (W/kg)	WLAN5/6GHz Ant 2 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)				
Bottom Face at 0mm	0.599	0.068	0.046	1.082	0.125	1.193	0.376	1.795	2.361	0.040	Case 20
Edge 1 at 0mm	1.199	0.479						1.678	1.678	0.030	Case 21
Edge 2 at 0mm	0.227	0.126		0.402		0.723	0.189	0.755	1.265		
Edge 3 at 0mm			0.476		1.150			0.476	1.150		
Edge 4 at 0mm		0.044						0.044	0.044		



Exposure Position	0	1	2	3	4	5	6	0+1+2+3 Summed 1g SAR (W/kg)	0+1+4+5+6 Summed 1g SAR (W/kg)	SPLSR	Case No
	WWAN Ant 1 1g SAR (W/kg)	WWAN Ant 2 1g SAR (W/kg)	WLAN2.4GHz Ant 1 1g SAR (W/kg)	WLAN2.4GHz Ant 2 1g SAR (W/kg)	WLAN5/6GHz Ant 1 1g SAR (W/kg)	WLAN5/6GHz Ant 2 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)				
Bottom Face at 0mm	0.068	0.416	0.046	1.082	0.125	1.193	0.376	1.612	2.178	0.040	Case 22
Edge 1 at 0mm	0.479	1.182						1.661	1.661	0.010	Case 23
Edge 2 at 0mm	0.126			0.402		0.723	0.189	0.528	1.038		
Edge 3 at 0mm			0.476		1.150			0.476	1.150		
Edge 4 at 0mm	0.044	1.169						1.213	1.213		

Exposure Position	0	1	2	3	4	5	6	0+1+2+3 Summed 1g SAR (W/kg)	0+1+4+5+6 Summed 1g SAR (W/kg)	SPLSR	Case No
	WWAN Ant 1 1g SAR (W/kg)	WWAN Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 1 1g SAR (W/kg)	WLAN2.4GHz Ant 2 1g SAR (W/kg)	WLAN5/6GHz Ant 1 1g SAR (W/kg)	WLAN5/6GHz Ant 2 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)				
Bottom Face at 0mm	0.068	0.031	0.046	1.082	0.125	1.193	0.376	1.227	1.793	0.040	Case 24
Edge 1 at 0mm	0.479	0.421						0.900	0.900		
Edge 2 at 0mm	0.126	0.015		0.402		0.723	0.189	0.543	1.053		
Edge 3 at 0mm			0.476		1.150			0.476	1.150		
Edge 4 at 0mm	0.044							0.044	0.044		

Exposure Position	0	1	2	3	4	5	6	0+1+2+3 Summed 1g SAR (W/kg)	0+1+4+5+6 Summed 1g SAR (W/kg)	SPLSR	Case No
	WWAN Ant 2 1g SAR (W/kg)	WWAN Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 1 1g SAR (W/kg)	WLAN2.4GHz Ant 2 1g SAR (W/kg)	WLAN5/6GHz Ant 1 1g SAR (W/kg)	WLAN5/6GHz Ant 2 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)				
Bottom Face at 0mm	0.416	0.031	0.046	1.082	0.125	1.193	0.376	1.575	2.141	0.010	Case 25
Edge 1 at 0mm	1.182	0.421						1.603	1.603	0.020	Case 26
Edge 2 at 0mm		0.015		0.402		0.723	0.189	0.417	0.927		
Edge 3 at 0mm			0.476		1.150			0.476	1.150		
Edge 4 at 0mm	1.169							1.169	1.169		

16.2 SPLSR Evaluation and Analysis

General Note:

1. According to antenna location the minimum distance between each WWAN/WLAN/BT transmit antenna are using for SPLSR analysis.
2. 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.
3. For SPLSR analysis is selected highest standalone SAR from each WWAN transmit antenna to be evaluated and it is conservative.
4. $SPLSR = (SAR_1 + SAR_2)^{1.5} / (min. \text{ separation distance, mm})$. If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary.

	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D/Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 1	FR1 n25 Ant 0	Bottom Face	0.599	0mm	83	72.5	-179.7	151.3	0.63	0.00	Not required
	FR1 n77 Ant 3		0.031	0mm	88.63	-78.63	-177				
	FR1 n25 Ant 0	Bottom Face	0.599	0mm				174.0	0.67	0.00	Not required
	WLAN5GHz Ant 1		0.07	0mm							
	FR1 n25 Ant 0	Bottom Face	0.599	0mm				85.0	1.75	0.03	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.15	0mm							
	FR1 n77 Ant 3	Bottom Face	0.031	0mm				174.0	0.10	0.00	Not required
	WLAN5GHz Ant 1		0.07	0mm							
	FR1 n77 Ant 3	Bottom Face	0.031	0mm				200.4	1.18	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.15	0mm							
WLAN5GHz Ant 1	Bottom Face	0.07	0mm				165.0	1.22	0.01	Not required	
WLAN5GHz Ant 2+ Bluetooth Ant 2		1.15	0mm								
Case 3	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	FR1 n41 Ant 0	Edge 1	1.199	0mm	-3.38	60.78	-179.44	103.8	1.62	0.02	Not required
	FR1 n77 Ant 3		0.421	0mm	6.02	-42.62	-179.03				

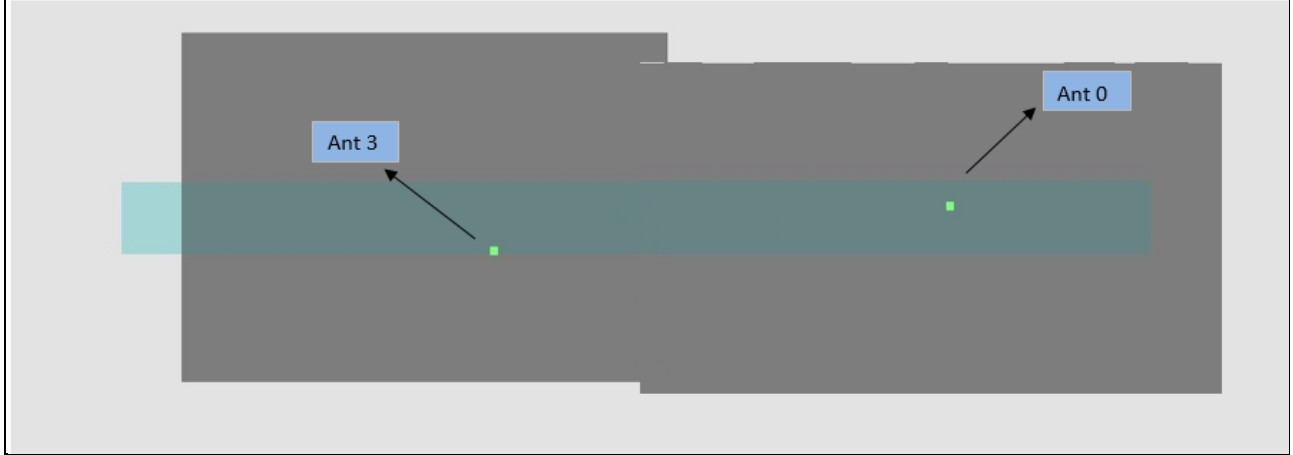
	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D/Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 5	FR1 n25 Ant 0	Bottom Face	0.599	0mm	83	72.5	-179.7	206.1	1.02	0.00	Not required
	FR1 n41 Ant 2		0.416	0mm	101.4	-132.81	-178.6				
	FR1 n25 Ant 0	Bottom Face	0.599	0mm				174.0	0.67	0.00	Not required
	WLAN5GHz Ant 1		0.07	0mm							
	FR1 n25 Ant 0	Bottom Face	0.599	0mm				85.0	1.75	0.03	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.15	0mm							
	FR1 n41 Ant 2	Bottom Face	0.416	0mm				235.0	0.49	0.00	Not required
	WLAN5GHz Ant 1		0.07	0mm							
	FR1 n41 Ant 2	Bottom Face	0.416	0mm				275.0	1.57	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.15	0mm							
WLAN5GHz Ant 1	Bottom Face	0.07	0mm				165.0	1.22	0.01	Not required	
WLAN5GHz Ant 2+ Bluetooth Ant 2		1.15	0mm								
Case 6	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (cm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	FR1 n41 Ant 0	Edge 1	1.199	0mm	-3.38	60.78	-179.44	190.5	2.38	0.02	Not required
	FR1 n41 Ant 2		1.182	0mm	2.03	-129.62	-179.3				

Case	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 8	FR1 n25 Ant 0+FR1 n77 Ant 1	Bottom Face	0.667	0mm				174.0	0.74	0.00	Not required
	WLAN5GHz Ant 1		0.07	0mm							
	FR1 n25 Ant 0+FR1 n77 Ant 1	Bottom Face	0.667	0mm				85.0	1.82	0.03	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.15	0mm							
	WLAN5GHz Ant 1	Bottom Face	0.07	0mm				165.0	1.22	0.01	Not required
WLAN5GHz Ant 2+ Bluetooth Ant 2	1.15		0mm								
Case 9	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 9	FR1 n41 Ant 0	Edge 1	1.199	0mm	-3.38	60.78	-179.44	74.7	1.68	0.03	Not required
	FR1 n77 Ant 1		0.479	0mm	0.03	135.41	-180.08				
	FR1 n41 Ant 0	Edge 1	1.199	0mm	-3.38	60.78	-179.44	74.7	1.69	0.03	Not required
	FR1 n77 Ant 1 RSS-198		0.49	0mm	0.03	135.41	-180.08				

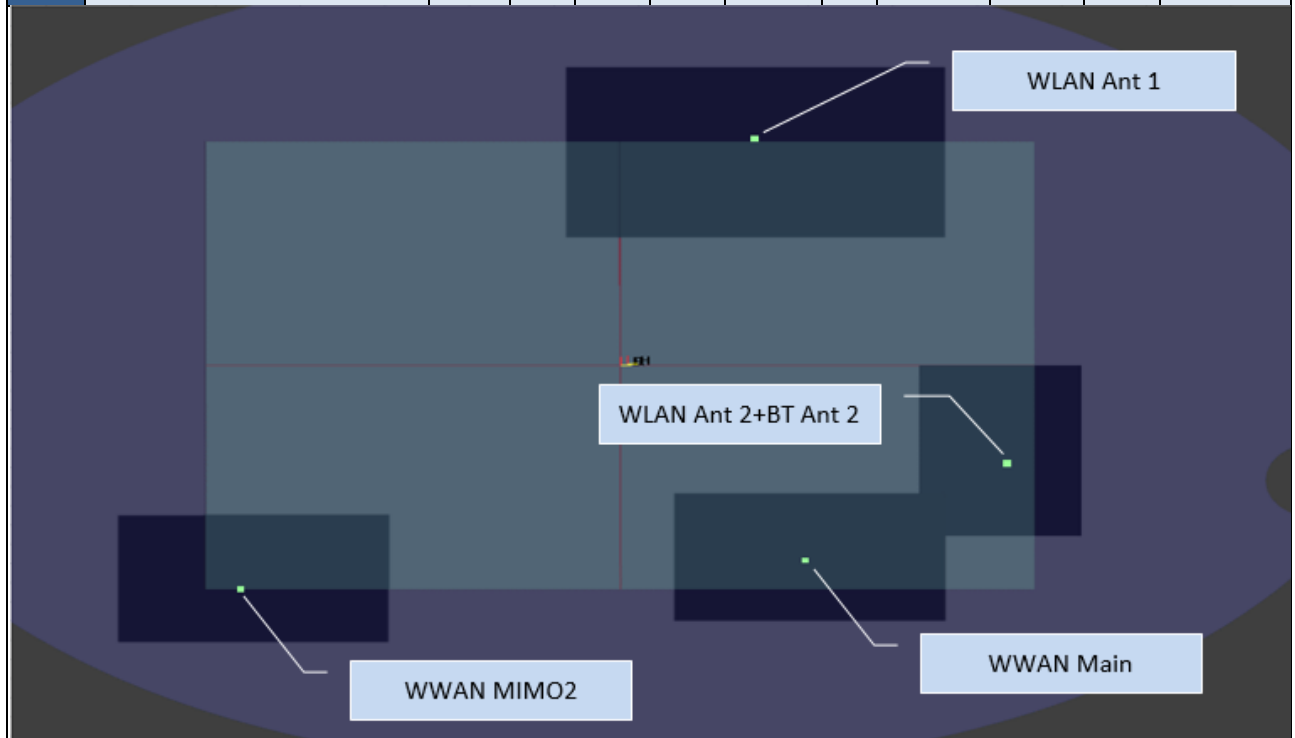
Case	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D/Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 11	FR1 n77 Ant 1	Bottom Face	0.068	0mm	89.64	126.79	2.24	259.9	0.48	0.00	Not required
	FR1 n41 Ant 2		0.416	0mm	101.4	-132.81	2.4				
	FR1 n77 Ant 1	Bottom Face	0.068	0mm				184.9	0.14	0.00	Not required
	WLAN5GHz Ant 1		0.07	0mm							
	FR1 n77 Ant 1	Bottom Face	0.068	0mm				38.1	1.22	0.04	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.15	0mm							
	FR1 n41 Ant 2	Bottom Face	0.416	0mm				200.4	0.49	0.00	Not required
	WLAN5GHz Ant 1		0.07	0mm							
	FR1 n41 Ant 2	Bottom Face	0.416	0mm				210.0	1.57	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.15	0mm							
	WLAN5GHz Ant 1	Bottom Face	0.07	0mm				165.0	1.22	0.01	Not required
WLAN5GHz Ant 2+ Bluetooth Ant 2	1.15		0mm								
Case 12	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 12	FR1 n41 Ant 2	Edge 1	1.182	0mm	2.03	-129.62	-179.3	265.0	1.67	0.01	Not required
	FR1 n77 Ant 1		0.49	0mm	0.03	135.41	-180.08				

	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D/Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 14	FR1 n41 Ant 2	Bottom Face	0.416	0mm	101.4	-132.81	-178.6	55.7	0.45	0.01	Not required
	FR1 n77 Ant 3		0.031	0mm	88.63	-78.63	-177				
	FR1 n41 Ant 2	Bottom Face	0.416	0mm				200.4	0.49	0.00	Not required
	WLAN5GHz Ant 1		0.07	0mm							
	FR1 n41 Ant 2	Bottom Face	0.416	0mm				210.0	1.57	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.15	0mm							
	FR1 n77 Ant 3	Bottom Face	0.031	0mm				210.0	0.10	0.00	Not required
	WLAN5GHz Ant 1		0.07	0mm							
	FR1 n77 Ant 3	Bottom Face	0.031	0mm				200.4	1.18	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.15	0mm							
WLAN5GHz Ant 1	Bottom Face	0.07	0mm				165.0	1.22	0.01	Not required	
WLAN5GHz Ant 2+ Bluetooth Ant 2		1.15	0mm								
Case 15	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	FR1 n41 Ant 2	Edeg 1	1.182	0mm	2.03	-129.62	-179.03	87.1	1.60	0.02	Not required
	FR1 n77 Ant 3		0.421	0mm	6.02	-42.62	-179.03				

Case 17	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				
	FR1 n41 Ant 0	Edge 1	1.199	0mm	-3.38	60.78	-179.44	103.8	1.62	0.02	Not required
	FR1 N77_ANT 3		0.421	0mm	6.02	-42.62	-179.03				



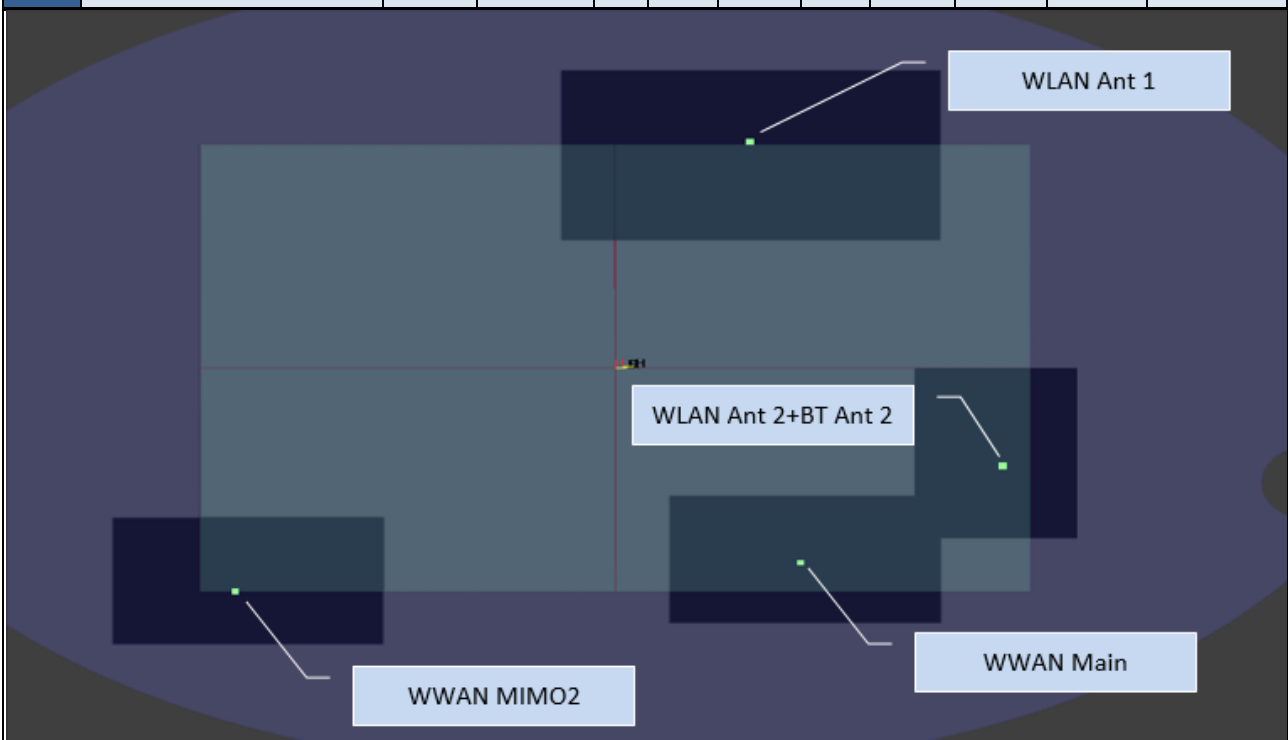
Case 16	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 16	FR1 n25 Ant 0	Bottom Face	0.599	0mm	83	72.5	-179.7	151.3	0.63	0.00	Not required
	FR1 N77_ANT 3		0.031	0mm	88.63	-78.63	-177				
	FR1 n25 Ant 0	Bottom Face	0.599	0mm	83	72.5	-179.7	189.7	0.72	0.00	Not required
	WLAN5GHz Ant 1		0.125	0mm	-104.6	44.4	-177				
	FR1 n25 Ant 0	Bottom Face	0.599	0mm	83	72.5	-179.7	71.9	2.17	0.04	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	FR1 N77_ANT 3	Bottom Face	0.031	0mm	88.63	-78.63	-177	229.1	0.16	0.00	Not required
	WLAN5GHz Ant 1		0.125	0mm	-104.6	44.4	-177				
	FR1 N77_ANT 3	Bottom Face	0.031	0mm	88.63	-78.63	-177	215.9	1.60	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	WLAN5GHz Ant 1	Bottom Face	0.125	0mm	-104.6	44.4	-177	172.2	1.69	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	FR1 n25 Ant 0	Bottom Face	0.599	0mm	83	72.5	-179.7	195.3	0.65	0.00	Not required
	WLAN2.4GHz Ant 1		0.046	0mm	-105	125.5	-177				
	FR1 n25 Ant 0	Bottom Face	0.599	0mm	83	72.5	-179.7	71.3	1.68	0.03	Not required
	WLAN2.4GHz Ant 2		1.082	0mm	50.7	136	-177				
	FR1 N77_ANT 3	Bottom Face	0.031	0mm	88.63	-78.63	-177	281.4	0.08	0.00	Not required
	WLAN2.4GHz Ant 1		0.046	0mm	-105	125.5	-177				
	FR1 N77_ANT 3	Bottom Face	0.031	0mm	88.63	-78.63	-177	218.0	1.11	0.01	Not required
	WLAN2.4GHz Ant 2		1.082	0mm	50.7	136	-177				
WLAN2.4GHz Ant 1	Bottom Face	0.046	0mm	-105	125.5	-177	156.1	1.13	0.01	Not required	
WLAN2.4GHz Ant 2		1.082	0mm	50.7	136	-177					



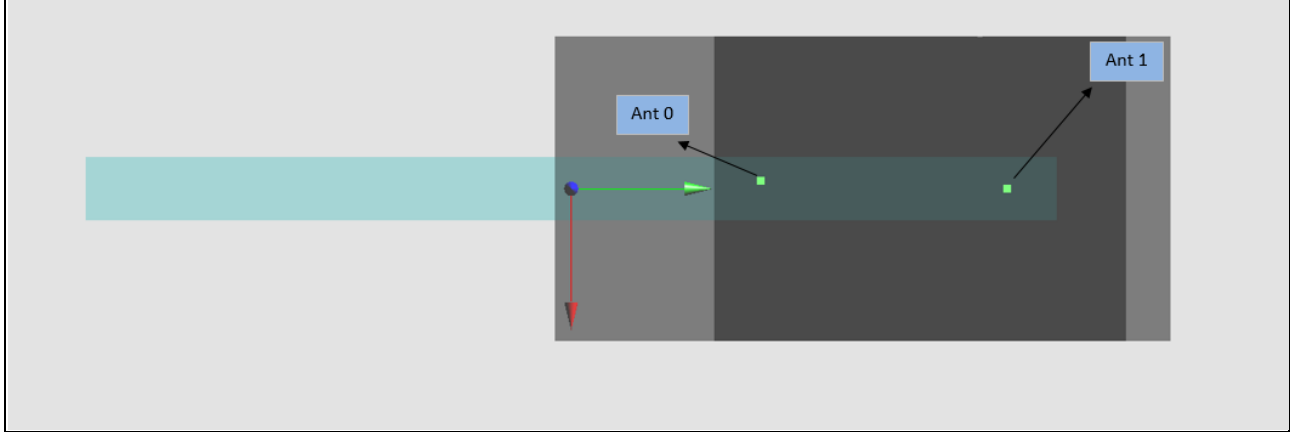
Case 19	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n41 Ant 0	Edge 1	1.199	0mm	-3.38	60.78	-179.44	190.5	2.38	0.02	Not required
	FR1 n41 Ant 2		1.182	0mm	2.03	-129.62	-179.3				



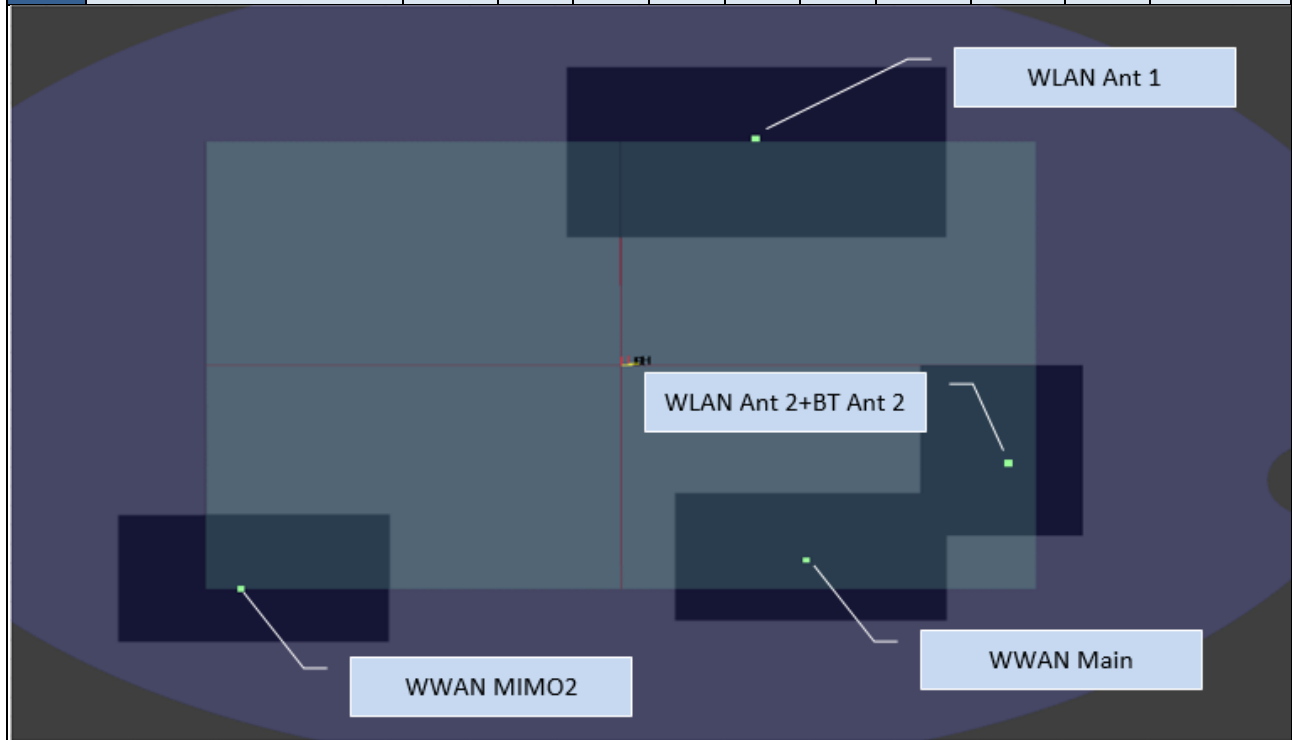
Case 18	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 18	FR1 n25 Ant 0	Bottom Face	0.599	0mm	83	72.5	-179.7	206.1	1.02	0.00	Not required
	FR1 n41 Ant 2		0.416	0mm	101.4	-132.81	-178.6				
	FR1 n25 Ant 0	Bottom Face	0.599	0mm	83	72.5	-179.7	189.7	0.72	0.00	Not required
	WLAN5GHz Ant 1		0.125	0mm	-104.6	44.4	-177				
	FR1 n25 Ant 0	Bottom Face	0.599	0mm	83	72.5	-179.7	71.9	2.17	0.04	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	FR1 n41 Ant 2	Bottom Face	0.416	0mm	101.4	-132.81	-178.6	271.7	0.54	0.00	Not required
	WLAN5GHz Ant 1		0.125	0mm	-104.6	44.4	-177				
	FR1 n41 Ant 2	Bottom Face	0.416	0mm	101.4	-132.81	-178.6	271.6	1.99	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	WLAN5GHz Ant 1	Bottom Face	0.125	0mm	-104.6	44.4	-177	172.2	1.69	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				



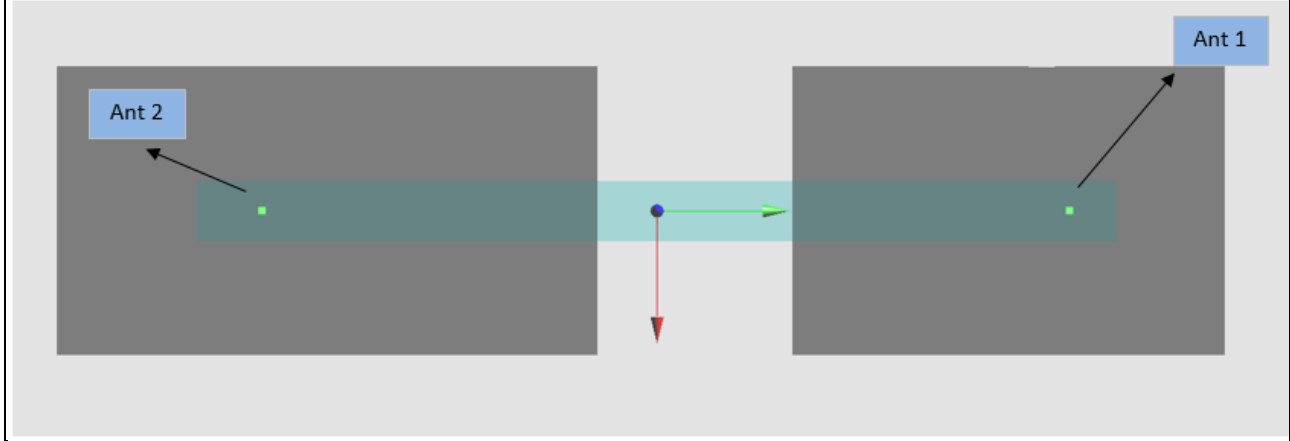
Case 21	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
	FR1 n41 Ant 0	Edge 1	1.199	0mm	-3.38	60.78	-179.44	74.7	1.68	0.03	Not required
	FR1 n77 Ant 1		0.479	0mm	0.03	135.41	-180.08				



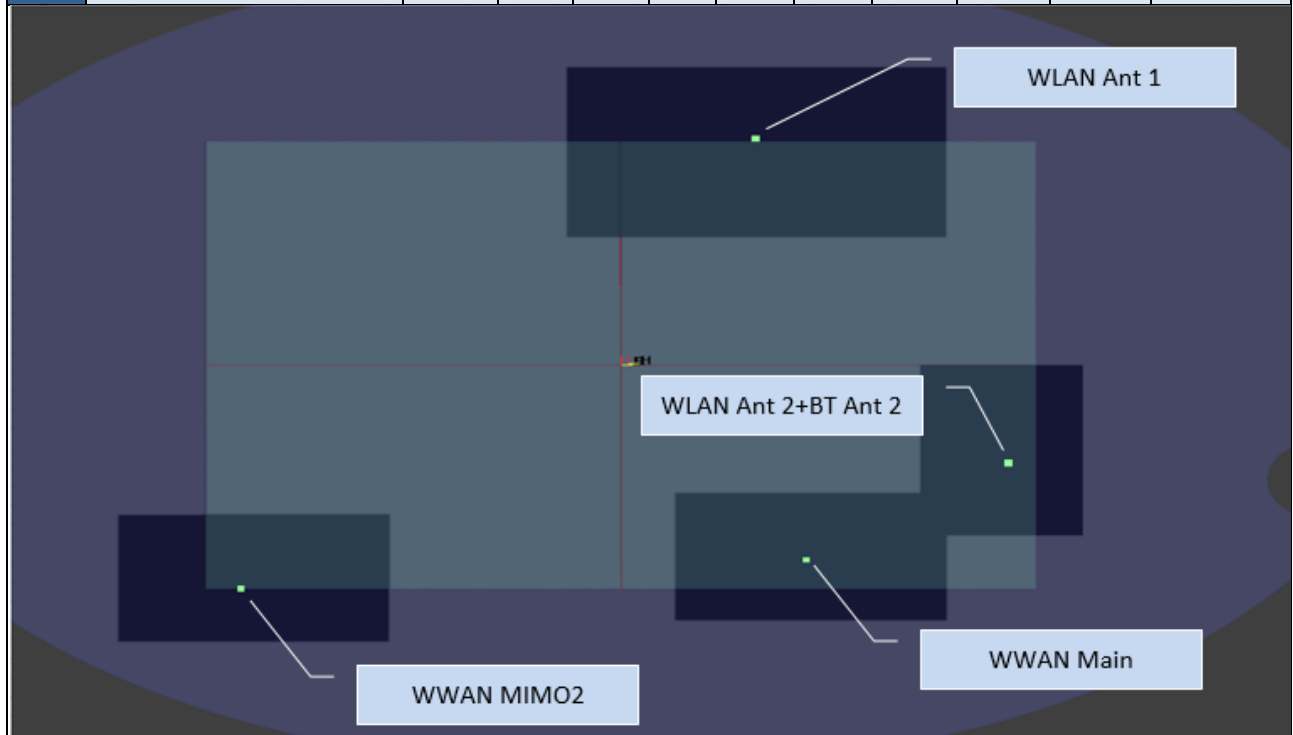
Case 20	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	FR1 n25 Ant 0	Bottom Face	0.599	0mm	83	72.5	-179.7	59.0	0.67	0.01	Not required
	FR1 n77 Ant 1		0.068	0mm	93	130.6	-179.02				
	FR1 n25 Ant 0	Bottom Face	0.599	0mm	83	72.5	-179.7	189.7	0.72	0.00	Not required
	WLAN5GHz Ant 1		0.125	0mm	-104.6	44.4	-177				
	FR1 n25 Ant 0	Bottom Face	0.599	0mm	83	72.5	-179.7	71.9	2.17	0.04	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	FR1 n77 Ant 1	Bottom Face	0.068	0mm	93	130.6	-179.02	215.6	0.19	0.00	Not required
	WLAN5GHz Ant 1		0.125	0mm	-104.6	44.4	-177				
	FR1 n77 Ant 1	Bottom Face	0.068	0mm	93	130.6	-179.02	49.7	1.64	0.04	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	WLAN5GHz Ant 1	Bottom Face	0.125	0mm	-104.6	44.4	-177	172.2	1.69	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	FR1 n25 Ant 0	Bottom Face	0.632	0mm	83	72.5	-179.7	195.3	0.68	0.00	Not required
	WLAN2.4GHz Ant 1		0.046	0mm	-105	125.5	-177				
	FR1 n25 Ant 0	Bottom Face	0.632	0mm	83	72.5	-179.7	71.3	1.71	0.03	Not required
	WLAN2.4GHz Ant 2		1.082	0mm	50.7	136	-177				
	FR1 n77 Ant 1	Bottom Face	0.068	0mm	93	130.6	-179.02	198.1	0.11	0.00	Not required
	WLAN2.4GHz Ant 1		0.046	0mm	-105	125.5	-177				
	FR1 n77 Ant 1	Bottom Face	0.068	0mm	93	130.6	-179.02	42.7	1.15	0.03	Not required
	WLAN2.4GHz Ant 2		1.082	0mm	50.7	136	-177				
	WLAN2.4GHz Ant 1	Bottom Face	0.046	0mm	-105	125.5	-177	156.1	1.13	0.01	Not required
	WLAN2.4GHz Ant 2		1.082	0mm	50.7	136	-177				



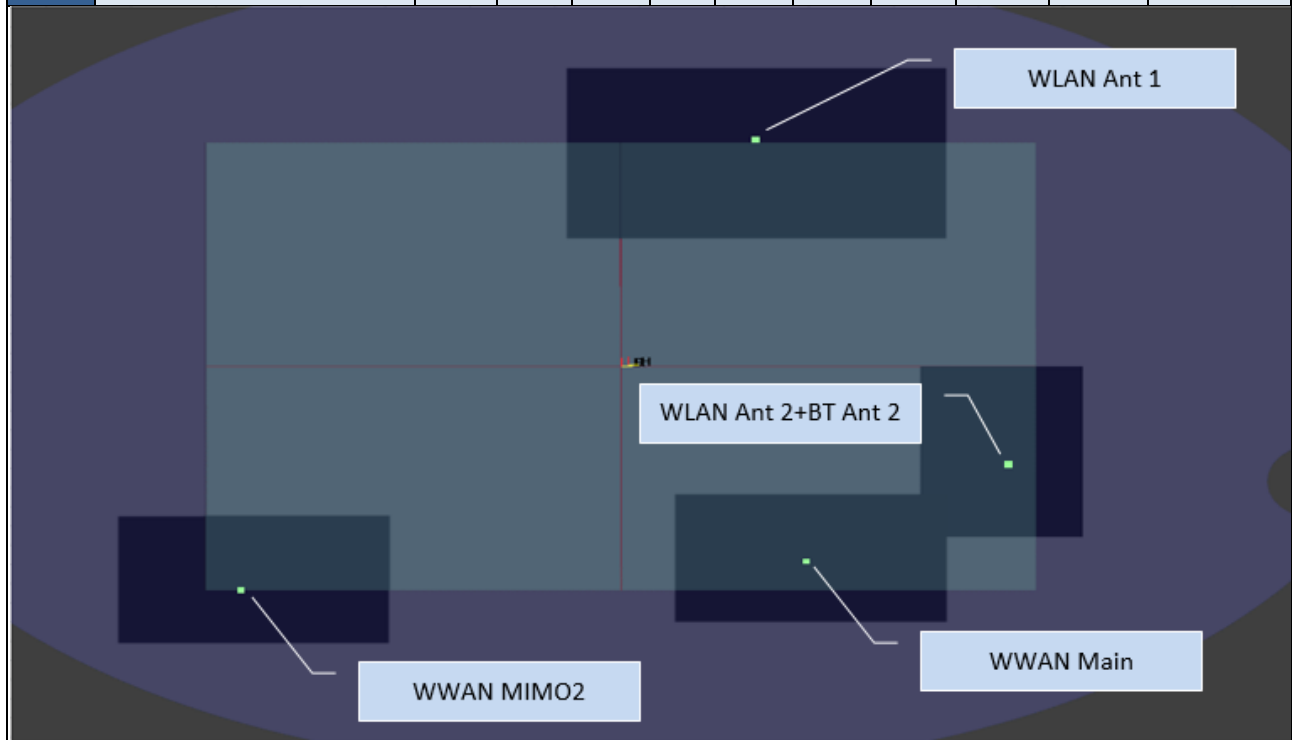
Case 23	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
	FR1 n77 Ant 1	Edge 1	0.479	0mm	0.03	135.41	-180.08	265.0	1.66	0.01	Not required
	FR1 n41 Ant 2		1.182	0mm	2.03	-129.62	-179.3				



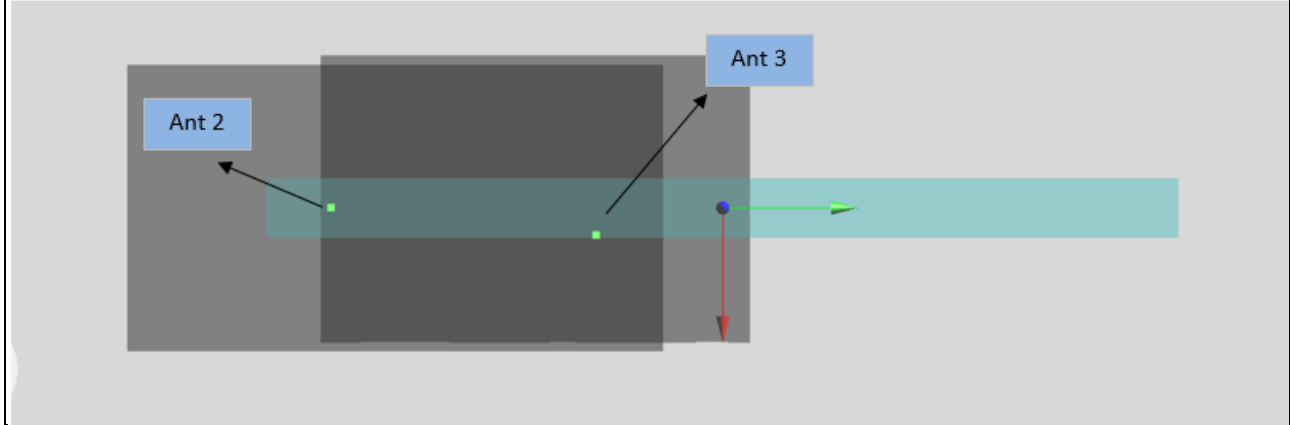
	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 22	FR1 n77 Ant 1	Bottom Face	0.068	0mm	93	130.6	-179.02	263.5	0.48	0.00	Not required
	FR1 n41 Ant 2		0.416	0mm	101.4	-132.81	-178.6				
	FR1 n77 Ant 1	Bottom Face	0.068	0mm	93	130.6	-179.02	215.6	0.19	0.00	Not required
	WLAN5GHz Ant 1		0.125	0mm	-104.6	44.4	-177				
	FR1 n77 Ant 1	Bottom Face	0.068	0mm	93	130.6	-179.02	49.7	1.64	0.04	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	FR1 n41 Ant 2	Bottom Face	0.416	0mm	101.4	-132.81	-178.6	271.7	0.54	0.00	Not required
	WLAN5GHz Ant 1		0.125	0mm	-104.6	44.4	-177				
	FR1 n41 Ant 2	Bottom Face	0.416	0mm	101.4	-132.81	-178.6	271.6	1.99	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	WLAN5GHz Ant 1	Bottom Face	0.125	0mm	101.4	-132.81	-178.6	271.6	1.69	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	FR1 n77 Ant 1	Bottom Face	0.068	0mm	93	130.6	-179.02	198.1	0.11	0.00	Not required
	WLAN2.4GHz Ant 1		0.046	0mm	-105	125.5	-177				
	FR1 n77 Ant 1	Bottom Face	0.068	0mm	93	130.6	-179.02	42.7	1.15	0.03	Not required
	WLAN2.4GHz Ant 2		1.082	0mm	50.7	136	-177				
	FR1 n41 Ant 2	Bottom Face	0.416	0mm	101.4	-132.81	-178.6	330.6	0.46	0.00	Not required
	WLAN2.4GHz Ant 1		0.046	0mm	-105	125.5	-177				
	FR1 n41 Ant 2	Bottom Face	0.416	0mm	101.4	-132.81	-178.6	273.6	1.50	0.01	Not required
	WLAN2.4GHz Ant 2		1.082	0mm	50.7	136	-177				
WLAN2.4GHz Ant 1	Bottom Face	0.046	0mm	-105	125.5	-177	156.1	1.13	0.01	Not required	
WLAN2.4GHz Ant 2		1.082	0mm	50.7	136	-177					



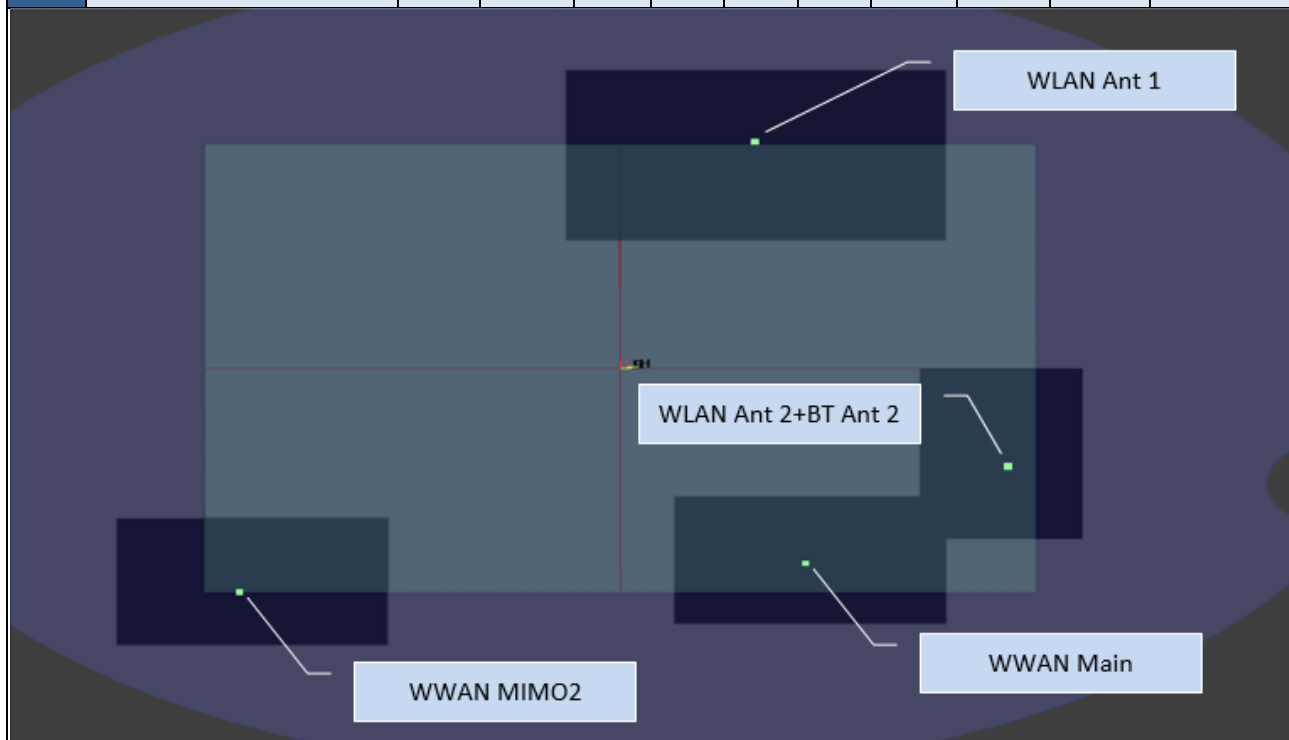
Case 24	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 24	FR1 n77 Ant 1	Bottom Face	0.068	0mm	93	130.6	-179.02	209.3	0.10	0.00	Not required
	FR1 n77 Ant 3		0.031	0mm	88.63	-78.63	-177				
	FR1 n77 Ant 1	Bottom Face	0.068	0mm	93	130.6	-179.02	215.6	0.19	0.00	Not required
	WLAN5GHz Ant 1		0.125	0mm	-104.6	44.4	-177				
	FR1 n77 Ant 1	Bottom Face	0.068	0mm	89.64	126.79	-178.76	46.6	1.64	0.04	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	FR1 n77 Ant 3	Bottom Face	0.031	0mm	88.63	-78.63	-177	229.1	0.16	0.00	Not required
	WLAN5GHz Ant 1		0.125	0mm	-104.6	44.4	-177				
	FR1 n77 Ant 3	Bottom Face	0.031	0mm	101.4	-132.81	-178.6	271.6	1.60	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	WLAN5GHz Ant 1	Bottom Face	0.125	0mm	101.4	-132.81	-178.6	271.6	1.69	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	FR1 n77 Ant 1	Bottom Face	0.068	0mm	89.64	126.79	-178.76	194.7	0.11	0.00	Not required
	WLAN2.4GHz Ant 1		0.046	0mm	-105	125.5	-177				
	FR1 n77 Ant 1	Bottom Face	0.068	0mm	89.64	126.79	-178.76	40.1	1.15	0.03	Not required
	WLAN2.4GHz Ant 2		1.082	0mm	50.7	136	-177				
	FR1 n77 Ant 3	Bottom Face	0.031	0mm	88.63	-78.63	-177	281.4	0.08	0.00	Not required
	WLAN2.4GHz Ant 1		0.046	0mm	-105	125.5	-177				
	FR1 n77 Ant 3	Bottom Face	0.031	0mm	88.63	-78.63	-177	218.0	1.11	0.01	Not required
	WLAN2.4GHz Ant 2		1.082	0mm	50.7	136	-177				
WLAN2.4GHz Ant 1	Bottom Face	0.046	0mm	-105	125.5	-177	156.1	1.13	0.01	Not required	
WLAN2.4GHz Ant 2		1.082	0mm	50.7	136	-177					



Case 26	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
	FR1 n41 Ant 2	Edge 1	1.191	0mm	2.03	-129.62	-179.03	87.1	1.61	0.02	Not required
	FR1 n77 Ant 3		0.421	0mm	6.02	-42.62	-179.03				



Case 25	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 25	FR1 n41 Ant 2	Bottom Face	0.416	0mm	101.4	-132.81	-178.6	55.7	0.45	0.01	Not required
	FR1 n77 Ant 3		0.031	0mm	88.63	-78.63	-177				
	FR1 n41 Ant 2	Bottom Face	0.416	0mm	101.4	-132.81	-178.6	271.7	0.54	0.00	Not required
	WLAN5GHz Ant 1		0.125	0mm	-104.6	44.4	-177				
	FR1 n41 Ant 2	Bottom Face	0.416	0mm	101.4	-132.81	-178.6	271.6	1.99	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	FR1 n77 Ant 3	Bottom Face	0.031	0mm	88.63	-78.63	-177	229.1	0.16	0.00	Not required
	WLAN5GHz Ant 1		0.125	0mm	-104.6	44.4	-177				
	FR1 n77 Ant 3	Bottom Face	0.031	0mm	88.63	-78.63	-177	215.9	1.60	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	WLAN5GHz Ant 1	Bottom Face	0.125	0mm	101.4	-132.81	-178.6	271.6	1.69	0.01	Not required
	WLAN5GHz Ant 2+ Bluetooth Ant 2		1.569	0mm	43.4	132.5	-177				
	FR1 n41 Ant 2	Bottom Face	0.416	0mm	101.4	-132.81	-178.6	330.6	0.46	0.00	Not required
	WLAN2.4GHz Ant 1		0.046	0mm	-105	125.5	-177				
	FR1 n41 Ant 2	Bottom Face	0.416	0mm	101.4	-132.81	-178.6	273.6	1.50	0.01	Not required
	WLAN2.4GHz Ant 2		1.082	0mm	50.7	136	-177				
	FR1 n77 Ant 3	Bottom Face	0.031	0mm	88.63	-78.63	-177	281.4	0.08	0.00	Not required
	WLAN2.4GHz Ant 1		0.046	0mm	-105	125.5	-177				
	FR1 n77 Ant 3	Bottom Face	0.031	0mm	88.63	-78.63	-177	218.0	1.11	0.01	Not required
	WLAN2.4GHz Ant 2		1.082	0mm	50.7	136	-177				
WLAN2.4GHz Ant 1	Bottom Face	0.046	0mm	-105	125.5	-177	156.1	1.13	0.01	Not required	
WLAN2.4GHz Ant 2		1.082	0mm	50.7	136	-177					



Test Engineer : Bevis Chang, Ben Huang, Carter Jhuang and Kells Chen



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 $\leq 30\%$, 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
- [4] SPEAG DASY System Handbook
- [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 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [10] FCC KDB 616217 D04 v01r02, "SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers", Oct 2015
- [11] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [12] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.