<FR1 n2_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	16.80	16.88	16.76	18.0
20	PI/2 BPSK	1	53	16.77	16.85	16.75	
20	PI/2 BPSK	1	104	16.74	16.82	16.74	
20	PI/2 BPSK	50	0	16.72	16.84	16.73	18.0
20	PI/2 BPSK	50	28	16.79	16.85	16.75	18.0
20	PI/2 BPSK	50	56	16.75	16.83	16.74	18.0
20	PI/2 BPSK	100	0	16.75	16.84	16.74	
20	QPSK	1	1	16.64	16.73	16.62	18.0
20	QPSK	1	53	16.61	16.73	16.61	
20	QPSK	1	104	16.61	16.67	16.62	
20	QPSK	50	0	16.69	16.75	16.64	18.0
20	QPSK	50	28	16.60	16.66	16.59	18.0
20	QPSK	50	56	16.64	16.75	16.64	18.0
20	QPSK	100	0	16.67	16.73	16.66	
20	16QAM	1	1	16.78	16.86	16.81	18.0
20	64QAM	1	1	16.56	16.68	16.57	18.0
20	256QAM	1	1	16.66	16.77	16.72	18.0
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	16.70	16.79	16.69	18.0
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	16.67	16.78	16.69	18.0
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	16.73	16.80	16.70	18.0

<FR1 n2_Ant MIMO 2_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	17.95	18.00	17.92	19.0
20	PI/2 BPSK	1	53	17.88	17.95	17.88	
20	PI/2 BPSK	1	104	17.91	17.97	17.86	
20	PI/2 BPSK	50	0	17.87	17.92	17.83	19.0
20	PI/2 BPSK	50	28	17.90	17.98	17.93	19.0
20	PI/2 BPSK	50	56	17.79	17.90	17.85	19.0
20	PI/2 BPSK	100	0	17.82	17.92	17.85	
20	QPSK	1	1	17.78	17.89	17.82	19.0
20	QPSK	1	53	17.79	17.88	17.77	
20	QPSK	1	104	17.78	17.89	17.79	
20	QPSK	50	0	17.86	17.92	17.84	19.0
20	QPSK	50	28	17.86	17.93	17.83	19.0
20	QPSK	50	56	17.79	17.89	17.79	19.0
20	QPSK	100	0	17.86	17.92	17.85	
20	16QAM	1	1	17.88	17.95	17.85	19.0
20	64QAM	1	1	17.82	17.88	17.83	19.0
20	256QAM	1	1	17.58	17.66	17.58	19.0
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	17.90	17.93	17.81	19.0
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	17.89	17.89	17.84	19.0
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	17.90	17.93	17.82	19.0

<FR1 n5_Ant Main_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.96	24.05	23.91	25.0
20	PI/2 BPSK	1	53	23.90	23.95	23.90	
20	PI/2 BPSK	1	104	23.92	23.84	23.87	
20	PI/2 BPSK	50	0	23.55	23.59	23.55	24.5
20	PI/2 BPSK	50	28	23.95	23.97	23.90	25.0
20	PI/2 BPSK	50	56	23.57	23.64	23.58	24.5
20	PI/2 BPSK	100	0	23.55	23.61	23.54	
20	QPSK	1	1	24.03	23.95	23.79	25.0
20	QPSK	1	53	24.02	24.03	23.86	
20	QPSK	1	104	24.01	23.90	23.82	
20	QPSK	50	0	23.09	23.12	23.07	24.0
20	QPSK	50	28	24.03	23.99	24.01	25.0
20	QPSK	50	56	23.11	23.12	23.08	24.0
20	QPSK	100	0	23.14	23.08	23.09	
20	16QAM	1	1	22.91	23.50	23.49	24.0
20	64QAM	1	1	21.59	21.52	21.27	22.5
20	256QAM	1	1	19.60	19.66	19.31	20.5
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.91	23.94	23.81	25.0
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.84	23.81	23.72	25.0
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.98	23.99	23.87	25.0

<FR1 n5_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.39	23.50	23.42	24.5
20	PI/2 BPSK	1	53	23.22	23.31	23.21	
20	PI/2 BPSK	1	104	23.23	23.32	23.26	
20	PI/2 BPSK	50	0	23.29	23.36	23.27	24.5
20	PI/2 BPSK	50	28	23.38	23.48	23.40	24.5
20	PI/2 BPSK	50	56	23.36	23.47	23.39	24.5
20	PI/2 BPSK	100	0	23.37	23.46	23.39	
20	QPSK	1	1	23.35	23.45	23.37	24.5
20	QPSK	1	53	23.36	23.46	23.39	
20	QPSK	1	104	23.29	23.39	23.28	
20	QPSK	50	0	23.16	23.27	23.21	24.0
20	QPSK	50	28	23.32	23.39	23.34	24.5
20	QPSK	50	56	23.20	23.27	23.19	24.0
20	QPSK	100	0	23.21	23.26	23.17	
20	16QAM	1	1	23.24	23.29	23.22	24.0
20	64QAM	1	1	22.12	22.22	22.09	22.5
20	256QAM	1	1	19.66	19.78	19.65	20.5
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.32	23.41	23.37	24.5
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.33	23.42	23.33	24.5
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.31	23.42	23.37	24.5

<FR1 n7_Ant Main_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	24.05	24.08	23.95	25.0
40	PI/2 BPSK	1	108	24.04	23.96	23.94	
40	PI/2 BPSK	1	214	24.02	23.94	23.92	
40	PI/2 BPSK	108	0	22.94	22.97	23.02	24.5
40	PI/2 BPSK	108	54	23.87	23.88	23.87	25.0
40	PI/2 BPSK	108	108	22.96	23.02	23.01	24.5
40	PI/2 BPSK	216	0	23.49	23.51	23.49	
40	QPSK	1	1	23.87	23.89	23.83	25.0
40	QPSK	1	108	23.93	23.88	23.89	
40	QPSK	1	214	23.95	23.91	23.80	
40	QPSK	108	0	23.39	23.43	23.49	24.0
40	QPSK	108	54	23.86	23.80	23.84	25.0
40	QPSK	108	108	23.45	23.49	23.47	24.0
40	QPSK	216	0	23.49	23.51	23.49	
40	16QAM	1	1	22.91	22.78	22.89	24.0
40	64QAM	1	1	21.38	21.49	21.46	22.5
40	256QAM	1	1	19.32	19.54	19.21	20.5
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	23.96	23.98	23.95	25.0
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	23.94	23.93	23.88	25.0
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.95	23.97	23.89	25.0
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.93	23.90	23.76	25.0
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.81	23.78	23.75	25.0
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.84	23.82	23.77	25.0

<FR1 n7_Ant MIMO 2_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	22.85	22.95	22.92	24.0
40	PI/2 BPSK	1	108	22.82	22.94	22.91	
40	PI/2 BPSK	1	214	22.84	22.88	22.89	
40	PI/2 BPSK	108	0	22.78	22.79	22.85	23.5
40	PI/2 BPSK	108	54	22.87	22.94	22.91	24.0
40	PI/2 BPSK	108	108	22.85	22.84	22.85	23.5
40	PI/2 BPSK	216	0	22.86	22.91	22.90	
40	QPSK	1	1	22.89	22.88	22.91	24.0
40	QPSK	1	108	22.90	22.90	22.99	
40	QPSK	1	214	22.86	22.89	22.89	
40	QPSK	108	0	22.82	22.86	22.90	23.0
40	QPSK	108	54	22.87	22.83	22.91	24.0
40	QPSK	108	108	22.86	22.87	22.88	23.0
40	QPSK	216	0	22.90	22.85	22.91	
40	16QAM	1	1	22.89	22.88	22.99	23.0
40	64QAM	1	1	21.42	21.38	21.46	21.5
40	256QAM	1	1	19.40	19.34	19.43	19.5
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	22.79	22.81	22.94	24.0
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	22.77	22.79	22.99	24.0
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	22.77	22.77	23.01	24.0
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	22.73	22.78	22.94	24.0
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	22.81	22.89	22.88	24.0
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	22.79	22.89	22.86	24.0

<FR1 n7_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	15.00	15.06	14.88	15.5
40	PI/2 BPSK	1	108	14.84	14.88	14.78	
40	PI/2 BPSK	1	214	14.85	14.85	14.77	
40	PI/2 BPSK	108	0	14.75	14.77	14.76	15.5
40	PI/2 BPSK	108	54	14.76	14.86	14.68	15.5
40	PI/2 BPSK	108	108	14.74	14.80	14.66	15.5
40	PI/2 BPSK	216	0	14.72	14.75	14.67	
40	QPSK	1	1	14.96	15.00	14.85	15.5
40	QPSK	1	108	14.80	14.87	14.81	
40	QPSK	1	214	14.74	14.83	14.77	
40	QPSK	108	0	14.65	14.75	14.73	15.5
40	QPSK	108	54	14.66	14.73	14.63	15.5
40	QPSK	108	108	14.69	14.72	14.69	15.5
40	QPSK	216	0	14.65	14.73	14.73	
40	16QAM	1	1	14.75	14.77	14.75	15.5
40	64QAM	1	1	14.99	14.99	14.83	15.5
40	256QAM	1	1	14.47	14.51	14.49	15.5
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	14.96	14.98	14.86	15.5
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	14.99	15.05	14.83	15.5
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	14.91	14.98	14.85	15.5
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	14.91	14.97	14.80	15.5
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	14.95	14.99	14.84	15.5
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	15.00	15.02	14.88	15.5

<FR1 n7_Ant MIMO 2_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	16.43	16.48	16.43	17.5
40	PI/2 BPSK	1	108	16.37	16.42	16.30	
40	PI/2 BPSK	1	214	16.36	16.45	16.33	
40	PI/2 BPSK	108	0	16.39	16.45	16.38	17.5
40	PI/2 BPSK	108	54	16.40	16.46	16.39	17.5
40	PI/2 BPSK	108	108	16.37	16.43	16.36	17.5
40	PI/2 BPSK	216	0	16.29	16.40	16.34	
40	QPSK	1	1	16.31	16.43	16.34	17.5
40	QPSK	1	108	16.35	16.42	16.33	
40	QPSK	1	214	16.36	16.43	16.31	
40	QPSK	108	0	16.39	16.44	16.32	17.5
40	QPSK	108	54	16.30	16.39	16.28	17.5
40	QPSK	108	108	16.31	16.38	16.26	17.5
40	QPSK	216	0	16.29	16.39	16.33	
40	16QAM	1	1	16.30	16.42	16.36	17.5
40	64QAM	1	1	16.36	16.41	16.32	17.5
40	256QAM	1	1	16.34	16.40	16.31	17.5
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	16.37	16.38	16.38	17.5
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	16.32	16.37	16.33	17.5
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	16.34	16.43	16.35	17.5
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	16.38	16.42	16.37	17.5
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	16.33	16.41	16.32	17.5
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	16.38	16.40	16.37	17.5

<FR1 n12_Ant Main_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.81	23.97	23.88	25.0
15	PI/2 BPSK	1	40	23.80	23.84	23.85	
15	PI/2 BPSK	1	77	23.75	23.75	23.87	
15	PI/2 BPSK	36	0	23.36	23.47	23.46	24.5
15	PI/2 BPSK	36	22	23.75	23.77	23.76	25.0
15	PI/2 BPSK	36	43	23.35	23.33	23.35	24.5
15	PI/2 BPSK	75	0	23.47	23.48	23.41	
15	QPSK	1	1	23.77	23.80	23.80	25.0
15	QPSK	1	40	23.82	23.79	23.77	
15	QPSK	1	77	23.68	23.64	23.73	
15	QPSK	36	0	22.93	22.96	22.97	24.0
15	QPSK	36	22	23.77	23.75	23.77	25.0
15	QPSK	36	43	22.88	22.88	22.83	24.0
15	QPSK	75	0	22.95	22.96	22.92	
15	16QAM	1	1	22.70	22.89	23.42	24.0
15	64QAM	1	1	21.37	21.47	21.10	22.5
15	256QAM	1	1	19.39	19.27	19.48	20.5
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.75	23.76	23.90	25.0
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.71	23.73	23.94	25.0

<FR1 n12_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	21.95	21.97	21.96	22.5
15	PI/2 BPSK	1	40	21.87	21.96	21.93	
15	PI/2 BPSK	1	77	21.84	21.88	21.80	
15	PI/2 BPSK	36	0	21.77	21.85	21.82	22.5
15	PI/2 BPSK	36	22	21.86	21.87	21.85	22.5
15	PI/2 BPSK	36	43	21.81	21.83	21.73	22.5
15	PI/2 BPSK	75	0	21.85	21.86	21.84	
15	QPSK	1	1	21.85	21.95	21.87	22.5
15	QPSK	1	40	21.91	21.93	21.91	
15	QPSK	1	77	21.74	21.83	21.77	
15	QPSK	36	0	21.80	21.85	21.82	22.5
15	QPSK	36	22	21.80	21.84	21.82	22.5
15	QPSK	36	43	21.81	21.82	21.75	22.5
15	QPSK	75	0	21.93	21.93	21.87	
15	16QAM	1	1	21.70	21.71	21.66	22.5
15	64QAM	1	1	21.75	21.76	21.73	22.5
15	256QAM	1	1	19.04	19.09	19.07	20.5
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	21.93	21.95	21.91	22.5
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	21.89	21.93	21.90	22.5

<FR1 n13_Ant Main_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					156400		
Frequency (MHz)					782		
10	PI/2 BPSK	1	1		23.65		25.0
10	PI/2 BPSK	1	26		23.56		
10	PI/2 BPSK	1	50		23.63		
10	PI/2 BPSK	25	0		23.30		24.5
10	PI/2 BPSK	25	14		23.56		25.0
10	PI/2 BPSK	25	27		23.15		24.5
10	PI/2 BPSK	50	0		23.24		
10	QPSK	1	1		23.63		25.0
10	QPSK	1	26		23.64		
10	QPSK	1	50		23.61		
10	QPSK	25	0		22.73		24.0
10	QPSK	25	14		23.56		25.0
10	QPSK	25	27		22.59		24.0
10	QPSK	50	0		22.73		
10	16QAM	1	1		22.83		24.0
10	64QAM	1	1		20.91		22.5
10	256QAM	1	1		18.88		20.5
Channel				155900	156400	156900	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	PI/2 BPSK	1	1	23.57	23.63	23.55	25.0

<FR1 n13_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					156400		
Frequency (MHz)					782		
10	PI/2 BPSK	1	1		23.25		23.5
10	PI/2 BPSK	1	26		23.21		
10	PI/2 BPSK	1	50		23.18		
10	PI/2 BPSK	25	0		23.14		23.5
10	PI/2 BPSK	25	14		23.15		23.5
10	PI/2 BPSK	25	27		23.11		23.5
10	PI/2 BPSK	50	0		23.14		
10	QPSK	1	1		23.21		23.5
10	QPSK	1	26		23.20		
10	QPSK	1	50		23.17		
10	QPSK	25	0		23.13		23.5
10	QPSK	25	14		23.10		23.5
10	QPSK	25	27		23.00		23.5
10	QPSK	50	0		23.12		
10	16QAM	1	1		22.98		23.5
10	64QAM	1	1		22.23		22.5
10	256QAM	1	1		19.81		20.5
Channel				155900	156400	156900	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	PI/2 BPSK	1	1	23.05	23.20	23.08	23.5

<FR1 n14_Ant Main_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		23.84		25.0
10	PI/2 BPSK	1	26		23.77		
10	PI/2 BPSK	1	50		23.75		
10	PI/2 BPSK	25	0		23.37		24.5
10	PI/2 BPSK	25	14		23.70		25.0
10	PI/2 BPSK	25	27		23.27		24.5
10	PI/2 BPSK	50	0		23.33		
10	QPSK	1	1		23.83		25.0
10	QPSK	1	26		23.73		
10	QPSK	1	50		23.71		
10	QPSK	25	0		22.85		24.0
10	QPSK	25	14		23.69		25.0
10	QPSK	25	27		22.77		24.0
10	QPSK	50	0		22.82		
10	16QAM	1	1		22.99		24.0
10	64QAM	1	1		21.26		22.5
10	256QAM	1	1		19.43		20.5
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	23.75	23.80	23.77	25.0

<FR1 n14_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		23.34		24.0
10	PI/2 BPSK	1	26		23.27		
10	PI/2 BPSK	1	50		23.25		
10	PI/2 BPSK	25	0		22.87		23.5
10	PI/2 BPSK	25	14		23.20		24.0
10	PI/2 BPSK	25	27		22.77		23.5
10	PI/2 BPSK	50	0		22.83		
10	QPSK	1	1		23.33		24.0
10	QPSK	1	26		23.23		
10	QPSK	1	50		23.21		
10	QPSK	25	0		22.35		23.0
10	QPSK	25	14		23.19		24.0
10	QPSK	25	27		22.27		23.0
10	QPSK	50	0		22.32		
10	16QAM	1	1		22.49		23.0
10	64QAM	1	1		20.76		21.5
10	256QAM	1	1		18.93		19.5
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	23.27	23.30	23.24	24.0

<FR1 n25_Ant Main_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	24.01	24.11	23.92	25.0
40	PI/2 BPSK	1	108	23.86	23.93	23.91	
40	PI/2 BPSK	1	214	23.98	23.91	23.90	
40	PI/2 BPSK	108	0	23.54	23.53	23.59	24.5
40	PI/2 BPSK	108	54	23.87	23.95	23.92	25.0
40	PI/2 BPSK	108	108	23.54	23.57	23.61	24.5
40	PI/2 BPSK	216	0	23.57	23.58	23.52	
40	QPSK	1	1	23.98	23.83	23.91	25.0
40	QPSK	1	108	24.08	23.76	23.92	
40	QPSK	1	214	24.08	23.81	23.93	
40	QPSK	108	0	23.04	23.06	23.08	24.0
40	QPSK	108	54	23.94	23.85	23.91	25.0
40	QPSK	108	108	23.03	23.09	23.10	24.0
40	QPSK	216	0	23.08	23.07	23.10	
40	16QAM	1	1	22.61	22.98	23.00	24.0
40	64QAM	1	1	21.53	21.57	21.42	22.5
40	256QAM	1	1	19.55	19.49	19.45	20.5
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	23.79	23.72	23.90	25.0
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	23.86	23.73	23.89	25.0
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.86	23.79	23.87	25.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.76	23.75	23.81	25.0
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.86	23.73	23.91	25.0
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.81	23.78	23.81	25.0

<FR1 n25_Ant MIMO 2_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	22.84	23.32	23.09	24.0
40	PI/2 BPSK	1	108	22.82	23.02	22.92	
40	PI/2 BPSK	1	214	22.81	23.01	22.83	
40	PI/2 BPSK	108	0	22.34	22.52	22.36	23.5
40	PI/2 BPSK	108	54	22.83	23.10	23.03	24.0
40	PI/2 BPSK	108	108	22.35	22.49	22.38	23.5
40	PI/2 BPSK	216	0	22.40	22.57	22.40	
40	QPSK	1	1	22.78	22.92	22.78	24.0
40	QPSK	1	108	22.85	23.01	22.81	
40	QPSK	1	214	22.88	23.00	22.90	
40	QPSK	108	0	21.83	22.00	21.88	23.0
40	QPSK	108	54	22.80	23.00	22.83	24.0
40	QPSK	108	108	21.90	22.01	21.82	23.0
40	QPSK	216	0	21.94	22.06	21.95	
40	16QAM	1	1	21.65	21.77	21.63	23.0
40	64QAM	1	1	20.13	20.33	20.23	21.5
40	256QAM	1	1	18.30	18.44	18.26	19.5
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	22.73	22.76	22.94	24.0
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	22.73	22.82	22.98	24.0
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	22.66	22.73	22.92	24.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	22.72	22.81	22.92	24.0
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	22.63	22.79	22.96	24.0
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	22.63	22.74	22.98	24.0

<FR1 n25_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	16.94	17.04	16.95	18.0
40	PI/2 BPSK	1	108	16.92	17.03	16.94	
40	PI/2 BPSK	1	214	16.94	17.03	16.94	
40	PI/2 BPSK	108	0	16.92	17.00	16.94	18.0
40	PI/2 BPSK	108	54	16.93	17.02	16.95	18.0
40	PI/2 BPSK	108	108	16.90	17.01	16.91	18.0
40	PI/2 BPSK	216	0	16.87	17.00	16.90	
40	QPSK	1	1	16.94	17.02	16.96	18.0
40	QPSK	1	108	16.94	17.02	16.93	
40	QPSK	1	214	16.85	16.98	16.93	
40	QPSK	108	0	16.87	16.98	16.90	18.0
40	QPSK	108	54	16.85	16.92	16.87	18.0
40	QPSK	108	108	16.94	17.00	16.91	18.0
40	QPSK	216	0	16.82	16.95	16.84	
40	16QAM	1	1	16.89	16.98	16.91	18.0
40	64QAM	1	1	16.88	16.97	16.88	18.0
40	256QAM	1	1	16.84	16.92	16.80	18.0
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	16.86	16.98	16.87	18.0
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	16.88	16.97	16.87	18.0
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	16.87	16.94	16.87	18.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	16.83	16.95	16.84	18.0
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	16.89	16.95	16.88	18.0
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	16.89	16.94	16.86	18.0

<FR1 n25_Ant MIMO 2_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	17.81	17.91	17.83	19.0
40	PI/2 BPSK	1	108	17.69	17.82	17.70	
40	PI/2 BPSK	1	214	17.77	17.90	17.79	
40	PI/2 BPSK	108	0	17.83	17.88	17.75	19.0
40	PI/2 BPSK	108	54	17.84	17.89	17.78	19.0
40	PI/2 BPSK	108	108	17.77	17.82	17.74	19.0
40	PI/2 BPSK	216	0	17.81	17.88	17.83	
40	QPSK	1	1	17.69	17.82	17.76	19.0
40	QPSK	1	108	17.80	17.87	17.77	
40	QPSK	1	214	17.70	17.83	17.77	
40	QPSK	108	0	17.77	17.86	17.76	19.0
40	QPSK	108	54	17.82	17.90	17.77	19.0
40	QPSK	108	108	17.79	17.88	17.81	19.0
40	QPSK	216	0	17.77	17.82	17.71	
40	16QAM	1	1	17.70	17.79	17.67	19.0
40	64QAM	1	1	17.73	17.86	17.77	19.0
40	256QAM	1	1	17.47	17.53	17.45	19.0
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	17.69	17.80	17.66	19.0
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	17.70	17.81	17.72	19.0
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	17.62	17.77	17.67	19.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	17.70	17.80	17.64	19.0
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	17.62	17.81	17.70	19.0
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	17.65	17.73	17.63	19.0

<FR1 n26_Ant Main_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	23.95	24.06	24.00	25.0
20	PI/2 BPSK	1	53	23.94	24.03	23.98	
20	PI/2 BPSK	1	104	23.88	24.00	23.96	
20	PI/2 BPSK	50	0	23.53	23.62	23.44	24.5
20	PI/2 BPSK	50	28	23.94	24.00	23.94	25.0
20	PI/2 BPSK	50	56	23.52	23.53	23.53	24.5
20	PI/2 BPSK	100	0	23.61	23.62	23.52	
20	QPSK	1	1	23.88	24.02	23.83	25.0
20	QPSK	1	53	24.03	23.85	23.92	
20	QPSK	1	104	23.91	23.98	23.87	
20	QPSK	50	0	22.94	23.00	22.86	24.0
20	QPSK	50	28	23.89	23.81	23.86	25.0
20	QPSK	50	56	22.95	22.94	22.98	24.0
20	QPSK	100	0	22.97	22.95	22.97	
20	16QAM	1	1	22.68	23.20	23.01	24.0
20	64QAM	1	1	21.20	21.30	21.70	22.5
20	256QAM	1	1	19.29	19.45	19.23	20.5
Channel				164300	166300	168300	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	23.63	23.92	23.78	25.0
Channel				163800	166300	168800	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	23.70	23.87	23.76	25.0
Channel				163300	166300	169300	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	23.70	23.87	23.76	25.0

<FR1 n26_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	23.44	23.55	23.49	24.5
20	PI/2 BPSK	1	53	23.35	23.44	23.37	
20	PI/2 BPSK	1	104	23.36	23.46	23.37	
20	PI/2 BPSK	50	0	23.42	23.47	23.41	24.5
20	PI/2 BPSK	50	28	23.43	23.51	23.42	24.5
20	PI/2 BPSK	50	56	23.32	23.44	23.34	24.5
20	PI/2 BPSK	100	0	23.38	23.45	23.39	
20	QPSK	1	1	23.39	23.45	23.38	24.5
20	QPSK	1	53	23.42	23.48	23.43	
20	QPSK	1	104	23.35	23.44	23.37	
20	QPSK	50	0	23.24	23.29	23.23	24.0
20	QPSK	50	28	23.29	23.42	23.35	24.5
20	QPSK	50	56	23.19	23.27	23.19	24.0
20	QPSK	100	0	23.21	23.28	23.19	
20	16QAM	1	1	23.18	23.25	23.18	24.0
20	64QAM	1	1	22.19	22.24	22.18	22.5
20	256QAM	1	1	19.68	19.74	19.67	20.5
Channel				164300	166300	168300	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	23.34	23.50	23.41	24.5
Channel				163800	166300	168800	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	23.38	23.47	23.39	24.5
Channel				163300	166300	169300	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	23.37	23.45	23.38	24.5

<FR1 n30_Ant Main_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		21.83		23.0
10	PI/2 BPSK	1	26		21.73		
10	PI/2 BPSK	1	50		21.79		
10	PI/2 BPSK	25	0		21.24		22.5
10	PI/2 BPSK	25	14		21.69		23.0
10	PI/2 BPSK	25	27		21.22		22.5
10	PI/2 BPSK	50	0		21.20		
10	QPSK	1	1		21.73		23.0
10	QPSK	1	26		21.82		
10	QPSK	1	50		21.76		
10	QPSK	25	0		20.76		22.0
10	QPSK	25	14		21.74		23.0
10	QPSK	25	27		20.71		22.0
10	QPSK	50	0		20.75		
10	16QAM	1	1		21.00		22.0
10	64QAM	1	1		18.96		20.5
10	256QAM	1	1		16.97		18.5
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	21.71	21.74	21.73	23.0

<FR1 n30_Ant MIMO 2_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		21.71		23.0
10	PI/2 BPSK	1	26		21.70		
10	PI/2 BPSK	1	50		21.59		
10	PI/2 BPSK	25	0		21.04		22.5
10	PI/2 BPSK	25	14		21.53		23.0
10	PI/2 BPSK	25	27		21.06		22.5
10	PI/2 BPSK	50	0		21.05		
10	QPSK	1	1		21.44		23.0
10	QPSK	1	26		21.51		
10	QPSK	1	50		21.37		
10	QPSK	25	0		20.61		22.0
10	QPSK	25	14		21.58		23.0
10	QPSK	25	27		20.56		22.0
10	QPSK	50	0		20.55		
10	16QAM	1	1		20.40		22.0
10	64QAM	1	1		18.82		20.5
10	256QAM	1	1		17.10		18.5
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	21.42	21.44	21.48	23.0

<FR1 n30_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		16.08		16.5
10	PI/2 BPSK	1	26		15.95		
10	PI/2 BPSK	1	50		15.91		
10	PI/2 BPSK	25	0		15.92		16.5
10	PI/2 BPSK	25	14		15.93		16.5
10	PI/2 BPSK	25	27		15.86		16.5
10	PI/2 BPSK	50	0		15.92		
10	QPSK	1	1		15.98		16.5
10	QPSK	1	26		15.93		
10	QPSK	1	50		15.90		
10	QPSK	25	0		15.87		16.5
10	QPSK	25	14		15.85		16.5
10	QPSK	25	27		15.84		16.5
10	QPSK	50	0		15.92		
10	16QAM	1	1		16.00		16.5
10	64QAM	1	1		16.05		16.5
10	256QAM	1	1		15.64		16.5
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	15.93	15.97	15.89	16.5

<FR1 n30_Ant MIMO 2_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		16.41		17.0
10	PI/2 BPSK	1	26		16.37		
10	PI/2 BPSK	1	50		16.35		
10	PI/2 BPSK	25	0		16.25		17.0
10	PI/2 BPSK	25	14		16.26		17.0
10	PI/2 BPSK	25	27		16.23		17.0
10	PI/2 BPSK	50	0		16.23		
10	QPSK	1	1		16.40		17.0
10	QPSK	1	26		16.33		
10	QPSK	1	50		16.33		
10	QPSK	25	0		16.24		17.0
10	QPSK	25	14		16.23		17.0
10	QPSK	25	27		16.22		17.0
10	QPSK	50	0		16.23		
10	16QAM	1	1		16.24		17.0
10	64QAM	1	1		16.40		17.0
10	256QAM	1	1		16.04		17.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	16.30	16.35	16.32	17.0

<FR1 n66_Ant Main_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.69	23.80	23.68	25.0
40	PI/2 BPSK	1	108	23.68	23.75	23.66	
40	PI/2 BPSK	1	214	23.66	23.66	23.67	
40	PI/2 BPSK	108	0	23.33	23.37	23.41	24.5
40	PI/2 BPSK	108	54	23.63	23.73	23.72	25.0
40	PI/2 BPSK	108	108	23.28	23.35	23.35	24.5
40	PI/2 BPSK	216	0	23.25	23.35	23.34	
40	QPSK	1	1	23.68	23.57	23.72	25.0
40	QPSK	1	108	23.71	23.68	23.76	
40	QPSK	1	214	23.71	23.72	23.75	
40	QPSK	108	0	22.82	22.87	22.94	24.0
40	QPSK	108	54	23.62	23.66	23.74	25.0
40	QPSK	108	108	22.80	22.83	22.90	24.0
40	QPSK	216	0	22.78	22.80	22.86	
40	16QAM	1	1	22.81	22.77	22.99	24.0
40	64QAM	1	1	21.13	21.16	21.36	22.5
40	256QAM	1	1	19.37	19.43	19.41	20.5
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.53	23.54	23.65	25.0
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.55	23.60	23.56	25.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.51	23.54	23.60	25.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.58	23.56	23.58	25.0
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.61	23.56	23.66	25.0

<FR1 n66_Ant MIMO 2_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.51	22.68	22.48	24.0
40	PI/2 BPSK	1	108	22.48	22.67	22.47	
40	PI/2 BPSK	1	214	22.46	22.66	22.47	
40	PI/2 BPSK	108	0	22.48	22.63	22.45	23.5
40	PI/2 BPSK	108	54	22.50	22.67	22.46	24.0
40	PI/2 BPSK	108	108	22.47	22.66	22.44	23.5
40	PI/2 BPSK	216	0	22.48	22.66	22.45	
40	QPSK	1	1	22.44	22.60	22.44	24.0
40	QPSK	1	108	22.46	22.62	22.51	
40	QPSK	1	214	22.50	22.66	22.47	
40	QPSK	108	0	22.53	22.63	22.43	23.0
40	QPSK	108	54	22.53	22.63	22.44	24.0
40	QPSK	108	108	22.50	22.60	22.46	23.0
40	QPSK	216	0	22.42	22.61	22.51	
40	16QAM	1	1	22.46	22.56	22.45	23.0
40	64QAM	1	1	21.00	21.15	21.00	21.5
40	256QAM	1	1	19.24	19.39	19.24	19.5
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.29	22.50	22.31	24.0
Channel				342000	349000	356000	Tune-up limit (dBm)
Frequency (MHz)				1710	1745	1780	
20	PI/2 BPSK	1	1	22.28	22.42	22.30	24.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.30	22.43	22.24	24.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.28	22.45	22.32	24.0
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.34	22.45	22.25	24.0

<FR1 n66_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.40	18.44	18.37	19.0
40	PI/2 BPSK	1	108	18.32	18.37	18.31	
40	PI/2 BPSK	1	214	18.25	18.35	18.34	
40	PI/2 BPSK	108	0	18.34	18.37	18.36	19.0
40	PI/2 BPSK	108	54	18.35	18.41	18.37	19.0
40	PI/2 BPSK	108	108	18.29	18.29	18.23	19.0
40	PI/2 BPSK	216	0	18.39	18.40	18.30	
40	QPSK	1	1	18.35	18.37	18.29	19.0
40	QPSK	1	108	18.24	18.32	18.32	
40	QPSK	1	214	18.28	18.30	18.30	
40	QPSK	108	0	18.29	18.35	18.26	19.0
40	QPSK	108	54	18.26	18.33	18.29	19.0
40	QPSK	108	108	18.18	18.26	18.24	19.0
40	QPSK	216	0	18.35	18.35	18.31	
40	16QAM	1	1	18.23	18.32	18.27	19.0
40	64QAM	1	1	18.35	18.42	18.32	19.0
40	256QAM	1	1	18.10	18.11	18.06	19.0
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	18.33	18.37	18.36	19.0
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	18.36	18.40	18.32	19.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	18.38	18.39	18.33	19.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	18.31	18.36	18.28	19.0
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	18.39	18.40	18.32	19.0

<FR1 n66_Ant MIMO 2_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	17.21	17.23	17.20	18.0
40	PI/2 BPSK	1	108	17.12	17.19	17.15	
40	PI/2 BPSK	1	214	17.14	17.15	17.08	
40	PI/2 BPSK	108	0	17.18	17.20	17.15	18.0
40	PI/2 BPSK	108	54	17.19	17.21	17.16	18.0
40	PI/2 BPSK	108	108	17.11	17.17	17.10	18.0
40	PI/2 BPSK	216	0	17.13	17.19	17.18	
40	QPSK	1	1	17.13	17.22	17.19	18.0
40	QPSK	1	108	17.08	17.17	17.11	
40	QPSK	1	214	17.09	17.15	17.10	
40	QPSK	108	0	17.16	17.19	17.11	18.0
40	QPSK	108	54	17.15	17.17	17.08	18.0
40	QPSK	108	108	17.07	17.16	17.09	18.0
40	QPSK	216	0	17.10	17.19	17.15	
40	16QAM	1	1	16.96	17.01	17.01	18.0
40	64QAM	1	1	17.18	17.19	17.19	18.0
40	256QAM	1	1	16.92	16.95	16.90	18.0
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	17.02	17.04	17.00	18.0
Channel				342000	349000	356000	Tune-up limit (dBm)
Frequency (MHz)				1710	1745	1780	
20	PI/2 BPSK	1	1	17.08	17.10	17.07	18.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	17.04	17.12	17.01	18.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	17.02	17.09	17.06	18.0
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	17.03	17.03	17.02	18.0

<FR1 n71_Ant Main_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	24.25	24.28	24.21	25.0
20	PI/2 BPSK	1	53	24.23	23.88	24.13	
20	PI/2 BPSK	1	104	24.03	23.86	23.89	
20	PI/2 BPSK	50	0	23.81	23.85	23.58	24.5
20	PI/2 BPSK	50	28	24.12	24.26	24.07	25.0
20	PI/2 BPSK	50	56	23.81	23.63	23.67	24.5
20	PI/2 BPSK	100	0	23.83	23.84	23.66	
20	QPSK	1	1	24.24	24.27	24.27	25.0
20	QPSK	1	53	24.22	24.09	24.18	
20	QPSK	1	104	24.03	24.01	23.98	
20	QPSK	50	0	23.32	23.39	23.17	24.0
20	QPSK	50	28	24.25	24.10	24.05	25.0
20	QPSK	50	56	23.31	23.10	23.06	24.0
20	QPSK	100	0	23.35	23.20	23.13	
20	16QAM	1	1	23.31	23.33	23.58	24.0
20	64QAM	1	1	21.98	21.88	21.67	22.5
20	256QAM	1	1	19.62	19.79	19.50	20.5
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	24.22	23.89	24.20	25.0
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	24.24	23.90	24.16	25.0
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	24.27	23.93	24.16	25.0

<FR1 n71_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.85	23.88	23.87	24.5
20	PI/2 BPSK	1	53	23.70	23.76	23.72	
20	PI/2 BPSK	1	104	23.67	23.69	23.69	
20	PI/2 BPSK	50	0	23.77	23.81	23.78	24.5
20	PI/2 BPSK	50	28	23.78	23.82	23.79	24.5
20	PI/2 BPSK	50	56	23.68	23.70	23.64	24.5
20	PI/2 BPSK	100	0	23.64	23.72	23.63	
20	QPSK	1	1	23.80	23.86	23.77	24.5
20	QPSK	1	53	23.73	23.75	23.68	
20	QPSK	1	104	23.68	23.68	23.61	
20	QPSK	50	0	23.71	23.80	23.78	24.5
20	QPSK	50	28	23.74	23.79	23.77	24.5
20	QPSK	50	56	23.69	23.75	23.65	24.5
20	QPSK	100	0	23.68	23.74	23.67	
20	16QAM	1	1	23.79	23.85	23.78	24.5
20	64QAM	1	1	22.57	22.67	22.61	23.0
20	256QAM	1	1	19.94	20.03	19.95	21.0
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.78	23.78	23.81	24.5
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.79	23.80	23.76	24.5
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.77	23.79	23.81	24.5

<FR1 n38_Ant Main_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	23.92	23.96	23.88	25.0
40	PI/2 BPSK	1	53	23.87	23.85	23.84	
40	PI/2 BPSK	1	104	23.91	23.89	23.87	
40	PI/2 BPSK	50	0	23.46	23.42	23.44	24.5
40	PI/2 BPSK	50	28	23.91	23.92	23.83	25.0
40	PI/2 BPSK	50	56	23.43	23.44	23.47	24.5
40	PI/2 BPSK	100	0	23.39	23.47	23.46	
40	QPSK	1	1	23.89	23.92	23.88	25.0
40	QPSK	1	53	23.84	23.89	23.82	
40	QPSK	1	104	23.90	23.92	23.84	
40	QPSK	50	0	23.08	23.06	23.04	25.0
40	QPSK	50	28	23.78	23.83	23.82	
40	QPSK	50	56	23.03	23.02	23.05	
40	QPSK	100	0	22.93	22.97	22.96	24.0
40	16QAM	1	1	22.96	23.10	22.92	24.0
40	64QAM	1	1	21.58	21.35	21.29	22.5
40	256QAM	1	1	19.44	19.50	19.39	20.5
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	23.80	23.79	23.77	25.0
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	23.85	23.81	23.85	25.0
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	23.83	23.80	23.80	25.0
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	23.81	23.79	23.84	25.0

<FR1 n38_Ant MIMO 2_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	23.03	23.04	22.98	24.0
40	PI/2 BPSK	1	53	22.90	22.96	22.83	
40	PI/2 BPSK	1	104	22.91	23.00	22.82	
40	PI/2 BPSK	50	0	21.90	21.95	21.80	23.5
40	PI/2 BPSK	50	28	22.86	22.96	22.78	24.0
40	PI/2 BPSK	50	56	21.88	21.92	21.81	23.5
40	PI/2 BPSK	100	0	21.90	21.97	21.84	
40	QPSK	1	1	22.96	23.02	22.86	24.0
40	QPSK	1	53	22.88	22.98	22.83	
40	QPSK	1	104	22.94	23.03	22.85	
40	QPSK	50	0	22.00	22.03	22.04	23.0
40	QPSK	50	28	22.88	22.98	22.78	24.0
40	QPSK	50	56	22.02	22.01	22.02	23.0
40	QPSK	100	0	21.93	21.98	21.86	23.0
40	16QAM	1	1	21.98	22.01	21.91	23.0
40	64QAM	1	1	20.58	20.59	20.54	21.5
40	256QAM	1	1	18.44	18.50	18.34	19.5
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	22.91	22.99	22.97	24.0
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	23.00	22.99	22.96	24.0
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	22.91	22.92	22.94	24.0
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	22.93	22.96	22.86	24.0

<FR1 n38_Ant MIMO 1_Sensor OFF>

BW [MHz]	ModulatkHn	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	23.64	23.78	23.67	25.0
40	PI/2 BPSK	1	53	23.51	23.69	23.52	
40	PI/2 BPSK	1	104	23.60	23.74	23.55	
40	PI/2 BPSK	50	0	23.58	23.68	23.51	24.5
40	PI/2 BPSK	50	28	23.58	23.72	23.57	25.0
40	PI/2 BPSK	50	56	23.51	23.63	23.52	24.5
40	PI/2 BPSK	100	0	23.54	23.69	23.49	
40	QPSK	1	1	23.46	23.66	23.56	25.0
40	QPSK	1	53	23.56	23.70	23.53	
40	QPSK	1	104	23.58	23.72	23.61	
40	QPSK	50	0	23.50	23.70	23.59	25.0
40	QPSK	50	28	23.60	23.72	23.58	
40	QPSK	50	56	23.52	23.68	23.49	
40	QPSK	100	0	23.57	23.73	23.59	24.0
40	16QAM	1	1	23.55	23.69	23.59	24.0
40	64QAM	1	1	23.52	23.67	23.48	24.0
40	256QAM	1	1	21.89	21.99	21.87	22.0
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	23.46	23.66	23.51	25.0
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	23.42	23.62	23.47	25.0
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	23.43	23.65	23.47	25.0
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	23.50	23.58	23.47	25.0

<FR1 n38_Ant Aux_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	23.86	23.87	23.85	25.0
40	PI/2 BPSK	1	53	23.73	23.77	23.69	
40	PI/2 BPSK	1	104	23.80	23.82	23.78	
40	PI/2 BPSK	50	0	23.71	23.78	23.74	24.5
40	PI/2 BPSK	50	28	23.72	23.81	23.76	25.0
40	PI/2 BPSK	50	56	23.66	23.73	23.71	24.5
40	PI/2 BPSK	100	0	23.68	23.74	23.67	
40	QPSK	1	1	23.80	23.84	23.78	25.0
40	QPSK	1	53	23.65	23.73	23.64	
40	QPSK	1	104	23.76	23.77	23.74	
40	QPSK	50	0	23.82	23.83	23.76	25.0
40	QPSK	50	28	23.71	23.77	23.69	
40	QPSK	50	56	23.63	23.70	23.65	
40	QPSK	100	0	23.76	23.78	23.73	24.0
40	16QAM	1	1	23.85	23.86	23.79	24.0
40	64QAM	1	1	22.76	22.77	22.71	23.0
40	256QAM	1	1	20.32	20.36	20.34	20.5
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	23.78	23.77	23.76	25.0
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	23.84	23.79	23.77	25.0
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	23.80	23.83	23.84	25.0
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	23.78	23.81	23.77	25.0

<FR1 n38_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	13.92	13.93	13.88	14.5
40	PI/2 BPSK	1	53	13.87	13.88	13.83	
40	PI/2 BPSK	1	104	13.90	13.91	13.86	
40	PI/2 BPSK	50	0	13.84	13.85	13.80	14.5
40	PI/2 BPSK	50	28	13.85	13.86	13.81	14.5
40	PI/2 BPSK	50	56	13.82	13.83	13.78	14.5
40	PI/2 BPSK	100	0	13.84	13.85	13.80	
40	QPSK	1	1	13.90	13.91	13.86	14.5
40	QPSK	1	53	13.86	13.87	13.82	
40	QPSK	1	104	13.85	13.86	13.81	
40	QPSK	50	0	13.84	13.85	13.80	14.5
40	QPSK	50	28	13.82	13.83	13.78	
40	QPSK	50	56	13.80	13.81	13.76	
40	QPSK	100	0	13.83	13.84	13.79	14.5
40	16QAM	1	1	13.83	13.84	13.79	14.5
40	64QAM	1	1	13.91	13.92	13.87	14.5
40	256QAM	1	1	13.57	13.58	13.53	14.0
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	13.80	13.86	13.78	14.5
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	13.86	13.85	13.79	14.5
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	13.85	13.85	13.82	14.5
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	13.82	13.83	13.77	14.5

<FR1 n38_Ant MIMO 2_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	15.46	15.72	15.69	16.5
40	PI/2 BPSK	1	53	15.36	15.67	15.64	
40	PI/2 BPSK	1	104	15.31	15.55	15.52	
40	PI/2 BPSK	50	0	15.36	15.67	15.65	16.5
40	PI/2 BPSK	50	28	15.38	15.68	15.66	16.5
40	PI/2 BPSK	50	56	15.28	15.58	15.50	16.5
40	PI/2 BPSK	100	0	15.36	15.63	15.59	
40	QPSK	1	1	15.45	15.69	15.68	16.5
40	QPSK	1	53	15.43	15.71	15.64	
40	QPSK	1	104	15.38	15.65	15.61	
40	QPSK	50	0	15.35	15.62	15.59	16.5
40	QPSK	50	28	15.38	15.63	15.61	16.5
40	QPSK	50	56	15.26	15.52	15.48	16.5
40	QPSK	100	0	15.28	15.56	15.52	16.5
40	16QAM	1	1	15.20	15.48	15.46	16.5
40	64QAM	1	1	15.35	15.62	15.57	16.5
40	256QAM	1	1	15.23	15.54	15.48	16.5
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	15.26	15.59	15.52	16.5
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	15.34	15.57	15.53	16.5
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	15.36	15.56	15.55	16.5
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	15.31	15.56	15.59	16.5

<FR1 n38_Ant MIMO 1_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	14.88	15.00	14.96	16.0
40	PI/2 BPSK	1	53	14.87	14.98	14.90	
40	PI/2 BPSK	1	104	14.63	14.69	14.71	
40	PI/2 BPSK	50	0	14.85	14.97	14.91	16.0
40	PI/2 BPSK	50	28	14.93	14.98	14.96	16.0
40	PI/2 BPSK	50	56	14.80	14.78	14.78	16.0
40	PI/2 BPSK	100	0	14.75	14.85	14.86	
40	QPSK	1	1	14.90	14.94	14.93	16.0
40	QPSK	1	53	14.91	14.99	14.93	
40	QPSK	1	104	14.63	14.60	14.67	
40	QPSK	50	0	14.94	14.93	14.93	16.0
40	QPSK	50	28	14.86	14.92	14.84	
40	QPSK	50	56	14.75	14.83	14.80	
40	QPSK	100	0	14.80	14.83	14.77	16.0
40	16QAM	1	1	14.98	14.92	14.99	16.0
40	64QAM	1	1	14.88	14.87	14.90	16.0
40	256QAM	1	1	14.52	14.49	14.45	16.0
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	14.77	14.82	14.80	16.0
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	14.75	14.81	14.86	16.0
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	14.76	14.90	14.83	16.0
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	14.70	14.85	14.85	16.0

<FR1 n38_Ant Aux_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	12.82	12.97	12.91	13.5
40	PI/2 BPSK	1	53	12.80	12.88	12.82	
40	PI/2 BPSK	1	104	12.81	12.90	12.81	
40	PI/2 BPSK	50	0	12.79	12.91	12.87	13.5
40	PI/2 BPSK	50	28	12.87	12.92	12.82	13.5
40	PI/2 BPSK	50	56	12.79	12.88	12.77	13.5
40	PI/2 BPSK	100	0	12.80	12.85	12.80	
40	QPSK	1	1	12.78	12.91	12.82	13.5
40	QPSK	1	53	12.76	12.90	12.81	
40	QPSK	1	104	12.85	12.91	12.88	
40	QPSK	50	0	12.77	12.92	12.86	13.5
40	QPSK	50	28	12.81	12.91	12.79	
40	QPSK	50	56	12.82	12.87	12.78	
40	QPSK	100	0	12.76	12.86	12.74	13.5
40	16QAM	1	1	12.83	12.86	12.77	13.5
40	64QAM	1	1	12.78	12.90	12.82	13.5
40	256QAM	1	1	12.82	12.92	12.83	13.5
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	12.73	12.92	12.82	13.5
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	12.74	12.91	12.84	13.5
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	12.74	12.91	12.85	13.5
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	12.71	12.90	12.80	13.5

<FR1 n41_Ant Main_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.26	23.31	23.25	25.0
100	PI/2 BPSK	1	137	23.25	23.30	23.24	
100	PI/2 BPSK	1	271	23.21	23.29	23.20	
100	PI/2 BPSK	135	0	22.81	22.85	22.86	24.5
100	PI/2 BPSK	135	69	23.25	23.29	23.24	25.0
100	PI/2 BPSK	135	138	22.76	22.83	22.77	24.5
100	PI/2 BPSK	270	0	22.87	22.88	22.82	
100	QPSK	1	1	23.24	23.19	23.20	25.0
100	QPSK	1	137	23.28	23.24	23.22	
100	QPSK	1	271	23.24	23.23	23.15	
100	QPSK	135	0	23.06	23.02	23.05	25.0
100	QPSK	135	69	23.28	23.24	23.24	
100	QPSK	135	138	23.01	23.05	23.01	
100	QPSK	270	0	22.38	22.30	22.31	24.0
100	16QAM	1	1	22.33	22.71	22.45	24.0
100	64QAM	1	1	20.73	20.74	20.94	22.5
100	256QAM	1	1	18.67	18.68	18.51	20.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.17	23.17	23.17	25.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.14	23.11	23.13	25.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	23.11	23.20	23.16	25.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.14	23.14	23.19	25.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.14	23.15	23.17	25.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.12	23.12	23.23	25.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.14	23.18	23.21	25.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.15	23.13	23.20	25.0

<FR1 n41_Ant MIMO 2_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.67	23.77	23.67	24.0
100	PI/2 BPSK	1	137	23.66	23.75	23.61	
100	PI/2 BPSK	1	271	23.66	23.72	23.59	
100	PI/2 BPSK	135	0	23.31	23.39	23.48	23.5
100	PI/2 BPSK	135	69	23.68	23.74	23.66	24.0
100	PI/2 BPSK	135	138	23.19	23.31	23.32	23.5
100	PI/2 BPSK	270	0	23.24	23.27	23.26	
100	QPSK	1	1	23.64	23.69	23.49	24.0
100	QPSK	1	137	23.68	23.74	23.58	
100	QPSK	1	271	23.70	23.73	23.52	
100	QPSK	135	0	22.80	22.87	22.56	24.0
100	QPSK	135	69	23.72	23.76	23.64	
100	QPSK	135	138	22.71	22.79	22.59	
100	QPSK	270	0	22.75	22.83	22.52	23.0
100	16QAM	1	1	22.98	22.96	22.97	23.0
100	64QAM	1	1	21.30	21.36	21.19	21.5
100	256QAM	1	1	19.28	19.31	19.00	19.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.55	23.67	23.51	24.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.55	23.63	23.53	24.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	23.61	23.68	23.54	24.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.52	23.66	23.61	24.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.54	23.65	23.59	24.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.56	23.67	23.61	24.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.57	23.71	23.56	24.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.59	23.70	23.58	24.0

<FR1 n41_Ant MIMO 1_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.38	23.51	23.40	25.0
100	PI/2 BPSK	1	137	23.33	23.50	23.35	
100	PI/2 BPSK	1	271	23.16	23.30	23.20	
100	PI/2 BPSK	135	0	23.32	23.49	23.29	24.5
100	PI/2 BPSK	135	69	23.33	23.50	23.33	25.0
100	PI/2 BPSK	135	138	23.30	23.42	23.24	24.5
100	PI/2 BPSK	270	0	23.32	23.47	23.32	
100	QPSK	1	1	23.23	23.38	23.20	25.0
100	QPSK	1	137	23.23	23.41	23.22	
100	QPSK	1	271	23.26	23.38	23.23	
100	QPSK	135	0	23.06	23.10	23.08	25.0
100	QPSK	135	69	23.37	23.47	23.27	
100	QPSK	135	138	23.02	23.03	23.01	
100	QPSK	270	0	22.83	23.02	22.88	24.0
100	16QAM	1	1	23.24	23.36	23.25	24.0
100	64QAM	1	1	23.24	23.44	23.30	23.5
100	256QAM	1	1	21.60	21.70	21.59	22.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.19	23.29	23.15	25.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.15	23.34	23.16	25.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	23.23	23.35	23.19	25.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.20	23.33	23.14	25.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.21	23.31	23.14	25.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.17	23.29	23.12	25.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.14	23.35	23.20	25.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.15	23.26	23.19	25.0

<FR1 n41_Ant Aux_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.10	23.64	23.35	25.0
100	PI/2 BPSK	1	137	23.07	23.12	23.34	
100	PI/2 BPSK	1	271	23.04	23.14	23.32	
100	PI/2 BPSK	135	0	22.78	22.79	23.19	24.5
100	PI/2 BPSK	135	69	23.18	23.59	23.25	25.0
100	PI/2 BPSK	135	138	22.75	22.76	23.16	24.5
100	PI/2 BPSK	270	0	22.69	23.20	23.10	
100	QPSK	1	1	23.15	23.19	23.62	25.0
100	QPSK	1	137	23.09	23.14	23.62	
100	QPSK	1	271	23.04	23.14	23.57	
100	QPSK	135	0	22.20	22.25	22.72	24.0
100	QPSK	135	69	23.17	23.20	23.59	25.0
100	QPSK	135	138	22.18	22.19	22.67	24.0
100	QPSK	270	0	22.19	22.23	22.70	
100	16QAM	1	1	22.04	22.13	22.61	24.0
100	64QAM	1	1	21.02	21.03	21.42	23.0
100	256QAM	1	1	18.64	18.74	19.23	20.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	23.04	23.03	23.11	25.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	23.04	23.04	23.05	25.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	23.01	23.04	23.14	25.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	23.00	23.06	23.11	25.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.00	23.00	23.14	25.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	23.06	23.04	23.14	25.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	23.02	23.02	23.07	25.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	23.06	23.01	23.09	25.0

<FR1 n41_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	13.23	13.50	13.34	14.5
100	PI/2 BPSK	1	137	13.15	13.42	13.26	
100	PI/2 BPSK	1	271	13.12	13.39	13.23	
100	PI/2 BPSK	135	0	13.19	13.46	13.30	14.5
100	PI/2 BPSK	135	69	13.20	13.47	13.31	14.5
100	PI/2 BPSK	135	138	13.04	13.31	13.15	14.5
100	PI/2 BPSK	270	0	13.15	13.42	13.26	
100	QPSK	1	1	13.15	13.42	13.26	14.5
100	QPSK	1	137	13.22	13.49	13.33	
100	QPSK	1	271	13.15	13.42	13.26	
100	QPSK	135	0	13.21	13.48	13.32	14.5
100	QPSK	135	69	13.19	13.46	13.30	
100	QPSK	135	138	13.05	13.32	13.16	
100	QPSK	270	0	13.10	13.37	13.21	14.5
100	16QAM	1	1	13.21	13.48	13.32	14.5
100	64QAM	1	1	13.19	13.46	13.30	14.5
100	256QAM	1	1	12.72	12.99	12.83	14.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	13.18	13.42	13.23	14.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	13.15	13.39	13.27	14.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	13.12	13.39	13.23	14.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	13.13	13.36	13.17	14.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	13.15	13.35	13.23	14.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	13.16	13.42	13.24	14.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	13.18	13.43	13.22	14.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	13.17	13.35	13.18	14.5

<FR1 n41_Ant MIMO 2_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	15.52	15.79	15.76	16.5
100	PI/2 BPSK	1	137	15.45	15.72	15.69	
100	PI/2 BPSK	1	271	15.36	15.63	15.60	
100	PI/2 BPSK	135	0	15.45	15.72	15.69	16.5
100	PI/2 BPSK	135	69	15.46	15.73	15.70	16.5
100	PI/2 BPSK	135	138	15.35	15.62	15.59	16.5
100	PI/2 BPSK	270	0	15.42	15.69	15.66	
100	QPSK	1	1	15.51	15.78	15.75	16.5
100	QPSK	1	137	15.49	15.76	15.73	
100	QPSK	1	271	15.42	15.69	15.66	
100	QPSK	135	0	15.40	15.67	15.64	16.5
100	QPSK	135	69	15.44	15.71	15.68	
100	QPSK	135	138	15.33	15.60	15.57	
100	QPSK	270	0	15.37	15.64	15.61	16.5
100	16QAM	1	1	15.28	15.55	15.52	16.5
100	64QAM	1	1	15.40	15.67	15.64	16.5
100	256QAM	1	1	15.31	15.58	15.55	16.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	15.42	15.73	15.64	16.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	15.46	15.69	15.68	16.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	15.44	15.67	15.63	16.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	15.40	15.66	15.63	16.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	15.41	15.66	15.63	16.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	15.47	15.64	15.65	16.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	15.40	15.64	15.66	16.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	15.46	15.70	15.63	16.5

<FR1 n41_Ant MIMO 1_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	15.08	15.12	15.11	16.0
100	PI/2 BPSK	1	137	15.06	15.09	15.08	
100	PI/2 BPSK	1	271	14.81	14.84	14.83	
100	PI/2 BPSK	135	0	15.05	15.08	15.07	16.0
100	PI/2 BPSK	135	69	15.07	15.10	15.09	16.0
100	PI/2 BPSK	135	138	14.90	14.93	14.92	16.0
100	PI/2 BPSK	270	0	14.94	14.97	14.96	
100	QPSK	1	1	15.05	15.08	15.07	16.0
100	QPSK	1	137	15.08	15.11	15.10	
100	QPSK	1	271	14.77	14.80	14.79	
100	QPSK	135	0	15.07	15.10	15.09	16.0
100	QPSK	135	69	15.01	15.04	15.03	
100	QPSK	135	138	14.92	14.95	14.94	
100	QPSK	270	0	14.95	14.98	14.97	16.0
100	16QAM	1	1	15.08	15.11	15.10	16.0
100	64QAM	1	1	15.03	15.06	15.05	16.0
100	256QAM	1	1	14.62	14.65	14.64	16.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	14.93	15.01	14.94	16.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	14.94	15.01	15.01	16.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	14.98	15.01	14.99	16.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	14.96	14.96	14.95	16.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	14.94	15.00	14.99	16.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	14.90	15.00	14.95	16.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	14.95	14.93	14.94	16.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	14.92	14.93	14.92	16.0

<FR1 n41_Ant Aux_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	12.90	13.02	12.97	13.5
100	PI/2 BPSK	1	137	12.87	12.95	12.86	
100	PI/2 BPSK	1	271	12.88	12.96	12.87	
100	PI/2 BPSK	135	0	12.86	12.97	12.87	13.5
100	PI/2 BPSK	135	69	12.93	12.98	12.88	13.5
100	PI/2 BPSK	135	138	12.83	12.96	12.84	13.5
100	PI/2 BPSK	270	0	12.88	12.93	12.85	
100	QPSK	1	1	12.86	12.96	12.89	13.5
100	QPSK	1	137	12.83	12.95	12.87	
100	QPSK	1	271	12.89	12.97	12.92	
100	QPSK	135	0	12.83	12.96	12.90	13.5
100	QPSK	135	69	12.89	12.98	12.85	13.5
100	QPSK	135	138	12.89	12.95	12.84	13.5
100	QPSK	270	0	12.83	12.93	12.80	
100	16QAM	1	1	12.87	12.93	12.82	13.5
100	64QAM	1	1	12.83	12.95	12.86	13.5
100	256QAM	1	1	12.90	12.97	12.89	13.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	12.80	12.97	12.86	13.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	12.81	12.93	12.90	13.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	12.83	12.96	12.87	13.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	12.84	12.93	12.92	13.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	12.84	12.95	12.92	13.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	12.84	12.92	12.88	13.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	12.80	12.96	12.91	13.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	12.80	12.92	12.87	13.5

<FR1 n41_HPUE_Ant Main_Sensor OFF>

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	25.79	25.75	27.5
100	PI/2 BPSK	1	137	25.71	25.78	25.74	
100	PI/2 BPSK	1	271	25.70	25.77	25.72	
100	PI/2 BPSK	135	0	23.33	23.36	23.35	24.5
100	PI/2 BPSK	135	69	25.72	25.77	25.73	27.5
100	PI/2 BPSK	135	138	23.38	23.33	23.22	24.5
100	PI/2 BPSK	270	0	23.37	23.38	23.33	
100	QPSK	1	1	25.74	25.73	25.67	27.5
100	QPSK	1	137	25.74	25.76	25.68	
100	QPSK	1	271	25.75	25.77	25.62	
100	QPSK	135	0	22.81	22.85	22.86	24.5
100	QPSK	135	69	25.74	25.75	25.72	27.5
100	QPSK	135	138	22.85	22.82	22.73	24.5
100	QPSK	270	0	22.83	22.78	22.80	24.5
100	16QAM	1	1	24.62	25.04	24.78	26.5
100	64QAM	1	1	23.23	23.30	23.11	25.0
100	256QAM	1	1	21.10	21.31	21.23	23.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.63	25.70	25.70	27.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.59	25.68	25.64	27.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.59	25.68	25.70	27.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.67	25.67	25.63	27.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.62	25.67	25.71	27.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.65	25.66	25.64	27.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.69	25.62	25.67	27.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.66	25.65	25.73	27.5

<FR1 n41_HPUE_Ant MIMO 2_Sensor OFF>

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	26.09	26.15	26.12	27.5
100	PI/2 BPSK	1	137	26.03	26.12	26.06	
100	PI/2 BPSK	1	271	26.08	26.12	26.11	
100	PI/2 BPSK	135	0	23.68	23.76	23.70	24.5
100	PI/2 BPSK	135	69	26.06	26.11	26.05	27.5
100	PI/2 BPSK	135	138	23.57	23.69	23.62	24.5
100	PI/2 BPSK	270	0	23.64	23.70	23.67	
100	QPSK	1	1	26.03	26.09	26.01	27.5
100	QPSK	1	137	26.04	26.09	26.08	
100	QPSK	1	271	25.97	26.08	26.05	
100	QPSK	135	0	23.18	23.27	23.17	24.5
100	QPSK	135	69	26.04	26.14	26.10	27.5
100	QPSK	135	138	23.11	23.23	23.21	24.5
100	QPSK	270	0	23.10	23.17	23.12	24.5
100	16QAM	1	1	25.29	25.33	25.24	26.5
100	64QAM	1	1	23.41	23.46	23.42	25.0
100	256QAM	1	1	21.52	21.58	21.48	23.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.97	26.10	26.01	27.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	26.05	26.12	26.09	27.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	26.05	26.06	26.03	27.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	26.03	26.12	26.05	27.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	26.00	26.11	26.08	27.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.97	26.08	26.00	27.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	26.06	26.01	26.07	27.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.99	26.08	26.09	27.5

<FR1 n41_HPUE_Ant MIMO 1_Sensor OFF>

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	26.02	26.06	25.99	27.5
100	PI/2 BPSK	1	137	25.98	26.00	25.98	
100	PI/2 BPSK	1	271	25.87	25.90	25.88	
100	PI/2 BPSK	135	0	23.60	23.65	23.60	24.5
100	PI/2 BPSK	135	69	26.00	26.03	26.02	27.5
100	PI/2 BPSK	135	138	23.56	23.57	23.56	24.5
100	PI/2 BPSK	270	0	23.51	23.54	23.53	
100	QPSK	1	1	25.97	25.98	25.95	27.5
100	QPSK	1	137	25.96	26.01	25.96	
100	QPSK	1	271	25.86	25.90	25.88	
100	QPSK	135	0	23.12	23.13	23.12	24.5
100	QPSK	135	69	25.97	26.00	25.97	27.5
100	QPSK	135	138	23.01	23.06	23.02	24.5
100	QPSK	270	0	23.01	23.05	23.00	
100	16QAM	1	1	25.00	25.04	25.01	26.5
100	64QAM	1	1	23.47	23.52	23.50	25.0
100	256QAM	1	1	21.26	21.28	21.23	23.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.78	25.89	25.80	27.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.85	25.89	25.77	27.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.79	25.87	25.81	27.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.83	25.86	25.76	27.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.80	25.81	25.77	27.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.79	25.88	25.77	27.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.82	25.87	25.84	27.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.82	25.80	25.81	27.5

<FR1 n41_HPUE_Ant Aux_Sensor OFF>

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	25.64	25.69	25.63	27.5
100	PI/2 BPSK	1	137	25.60	25.66	25.62	
100	PI/2 BPSK	1	271	25.61	25.68	25.60	
100	PI/2 BPSK	135	0	23.20	23.23	23.22	24.5
100	PI/2 BPSK	135	69	25.58	25.68	25.59	27.5
100	PI/2 BPSK	135	138	23.15	23.21	23.18	24.5
100	PI/2 BPSK	270	0	23.19	23.23	23.20	
100	QPSK	1	1	25.57	25.56	25.53	27.5
100	QPSK	1	137	25.54	25.61	25.53	
100	QPSK	1	271	25.55	25.58	25.55	
100	QPSK	135	0	22.68	22.77	22.68	24.5
100	QPSK	135	69	25.61	25.68	25.59	27.5
100	QPSK	135	138	22.67	22.75	22.74	24.5
100	QPSK	270	0	22.73	22.74	22.70	24.5
100	16QAM	1	1	24.59	24.51	24.55	26.5
100	64QAM	1	1	23.14	23.16	23.15	25.0
100	256QAM	1	1	21.07	21.13	21.04	23.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.56	25.56	25.60	27.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.55	25.61	25.53	27.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.59	25.55	25.61	27.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.55	25.55	25.54	27.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.57	25.62	25.59	27.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.59	25.61	25.57	27.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.54	25.59	25.55	27.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.56	25.58	25.53	27.5

<FR1 n41_HPUE_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.35	16.55	16.46	17.5
100	PI/2 BPSK	1	137	16.28	16.48	16.39	
100	PI/2 BPSK	1	271	16.24	16.44	16.35	
100	PI/2 BPSK	135	0	16.24	16.44	16.35	17.5
100	PI/2 BPSK	135	69	16.27	16.47	16.38	17.5
100	PI/2 BPSK	135	138	16.11	16.31	16.22	17.5
100	PI/2 BPSK	270	0	16.22	16.42	16.33	
100	QPSK	1	1	16.34	16.54	16.45	17.5
100	QPSK	1	137	16.31	16.51	16.42	
100	QPSK	1	271	16.25	16.45	16.36	
100	QPSK	135	0	16.25	16.45	16.36	17.5
100	QPSK	135	69	16.24	16.44	16.35	17.5
100	QPSK	135	138	16.12	16.32	16.23	17.5
100	QPSK	270	0	16.20	16.40	16.31	17.5
100	16QAM	1	1	16.10	16.30	16.21	17.5
100	64QAM	1	1	16.25	16.45	16.36	17.5
100	256QAM	1	1	15.93	16.13	16.04	17.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	16.32	16.44	16.37	17.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	16.26	16.40	16.34	17.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	16.25	16.48	16.36	17.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	16.26	16.47	16.37	17.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	16.31	16.49	16.32	17.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	16.29	16.43	16.38	17.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	16.25	16.44	16.36	17.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	16.27	16.48	16.32	17.5

<FR1 n41_HPUE_Ant MIMO 2_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	18.46	18.75	18.70	19.5
100	PI/2 BPSK	1	137	18.36	18.65	18.60	
100	PI/2 BPSK	1	271	18.31	18.60	18.55	
100	PI/2 BPSK	135	0	18.36	18.65	18.60	19.5
100	PI/2 BPSK	135	69	18.37	18.66	18.61	19.5
100	PI/2 BPSK	135	138	18.27	18.56	18.51	19.5
100	PI/2 BPSK	270	0	18.33	18.62	18.57	
100	QPSK	1	1	18.43	18.72	18.67	19.5
100	QPSK	1	137	18.42	18.71	18.66	
100	QPSK	1	271	18.40	18.69	18.64	
100	QPSK	135	0	18.39	18.68	18.63	19.5
100	QPSK	135	69	18.38	18.67	18.62	19.5
100	QPSK	135	138	18.29	18.58	18.53	19.5
100	QPSK	270	0	18.33	18.62	18.57	19.5
100	16QAM	1	1	18.44	18.73	18.68	19.5
100	64QAM	1	1	18.45	18.74	18.69	19.0
100	256QAM	1	1	17.90	18.19	18.14	19.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	18.31	18.68	18.63	19.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	18.37	18.67	18.62	19.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	18.31	18.66	18.54	19.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	18.40	18.69	18.62	19.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	18.38	18.60	18.61	19.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	18.29	18.57	18.55	19.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	18.38	18.67	18.52	19.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	18.39	18.63	18.62	19.5

<FR1 n41_HPUE_Ant MIMO 1_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	18.15	18.16	18.12	19.0
100	PI/2 BPSK	1	137	18.13	18.14	18.10	
100	PI/2 BPSK	1	271	17.81	17.82	17.78	
100	PI/2 BPSK	135	0	18.06	18.07	18.03	19.0
100	PI/2 BPSK	135	69	18.07	18.08	18.04	19.0
100	PI/2 BPSK	135	138	17.92	17.93	17.89	19.0
100	PI/2 BPSK	270	0	17.97	17.98	17.94	
100	QPSK	1	1	18.12	18.13	18.09	19.0
100	QPSK	1	137	18.10	18.11	18.07	
100	QPSK	1	271	17.77	17.78	17.74	
100	QPSK	135	0	18.12	18.13	18.09	19.0
100	QPSK	135	69	18.05	18.06	18.02	19.0
100	QPSK	135	138	17.90	17.91	17.87	19.0
100	QPSK	270	0	18.01	18.02	17.98	
100	16QAM	1	1	18.13	18.14	18.10	19.0
100	64QAM	1	1	18.14	18.15	18.11	19.0
100	256QAM	1	1	17.70	17.71	17.67	18.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	18.01	18.05	17.99	19.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	17.99	17.96	17.94	19.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	17.98	17.96	17.92	19.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	17.99	18.01	17.92	19.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	17.98	18.06	18.02	19.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	18.04	18.04	17.96	19.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	18.04	18.03	17.99	19.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	17.95	17.99	18.02	19.0

<FR1 n41_HPUE_Ant Aux_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	15.96	16.05	15.98	16.5
100	PI/2 BPSK	1	137	15.89	15.96	15.91	
100	PI/2 BPSK	1	271	15.92	15.97	15.90	
100	PI/2 BPSK	135	0	15.87	15.96	15.92	16.5
100	PI/2 BPSK	135	69	15.95	16.00	15.93	16.5
100	PI/2 BPSK	135	138	15.89	15.96	15.92	16.5
100	PI/2 BPSK	270	0	15.91	15.99	15.96	
100	QPSK	1	1	15.92	15.97	15.92	16.5
100	QPSK	1	137	15.92	15.98	15.93	
100	QPSK	1	271	15.92	16.00	15.91	
100	QPSK	135	0	15.92	16.00	15.91	16.0
100	QPSK	135	69	15.87	15.96	15.91	16.5
100	QPSK	135	138	15.89	15.97	15.91	16.5
100	QPSK	270	0	15.93	15.99	15.95	16.5
100	16QAM	1	1	15.91	15.97	15.93	16.5
100	64QAM	1	1	15.93	15.98	15.94	16.5
100	256QAM	1	1	15.92	15.96	15.92	16.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	15.86	15.94	15.90	16.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	15.86	15.99	15.87	16.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	15.91	15.98	15.93	16.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	15.88	15.98	15.88	16.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	15.86	15.96	15.91	16.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	15.85	15.98	15.90	16.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	15.88	15.96	15.89	16.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	15.89	15.96	15.91	16.5

<FR1 n48_Ant Main_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.19	21.21	20.86	22.0
40	PI/2 BPSK	1	53	21.17	21.18	20.67	
40	PI/2 BPSK	1	104	21.14	21.11	20.56	
40	PI/2 BPSK	50	0	21.11	21.15	20.70	21.5
40	PI/2 BPSK	50	28	21.15	21.17	20.80	22.0
40	PI/2 BPSK	50	56	21.13	21.03	20.64	21.5
40	PI/2 BPSK	100	0	21.16	21.17	20.71	
40	QPSK	1	1	21.12	21.20	20.80	22.0
40	QPSK	1	53	21.10	21.18	20.66	
40	QPSK	1	104	21.16	21.09	20.56	
40	QPSK	50	0	21.09	21.15	20.79	22.0
40	QPSK	50	28	21.13	21.14	20.73	
40	QPSK	50	56	21.13	20.99	20.55	
40	QPSK	100	0	20.92	20.95	20.73	21.0
40	16QAM	1	1	20.94	21.00	20.96	21.0
40	64QAM	1	1	19.46	19.49	19.43	19.5
40	256QAM	1	1	17.48	17.48	17.21	17.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.11	21.15	20.78	22.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.08	21.19	20.84	22.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.13	21.12	20.86	22.0

<FR1 n48_Ant MIMO 2_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.48	20.61	20.43	22.0
40	PI/2 BPSK	1	53	20.42	20.59	20.37	
40	PI/2 BPSK	1	104	20.46	20.60	20.39	
40	PI/2 BPSK	50	0	19.92	20.03	19.87	21.5
40	PI/2 BPSK	50	28	20.38	20.48	20.27	22.0
40	PI/2 BPSK	50	56	19.83	19.95	19.80	21.5
40	PI/2 BPSK	100	0	19.80	19.92	19.73	
40	QPSK	1	1	20.45	20.50	20.32	21.0
40	QPSK	1	53	20.47	20.56	20.41	
40	QPSK	1	104	20.51	20.59	20.39	
40	QPSK	50	0	19.46	19.53	19.37	21.0
40	QPSK	50	28	20.32	20.42	20.23	
40	QPSK	50	56	19.35	19.42	19.23	
40	QPSK	100	0	19.38	19.45	19.25	21.0
40	16QAM	1	1	19.64	19.76	19.55	21.0
40	64QAM	1	1	17.84	17.91	17.69	19.5
40	256QAM	1	1	15.94	15.99	15.82	17.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	20.41	20.55	20.32	22.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	20.38	20.57	20.33	22.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	20.35	20.56	20.38	22.0

<FR1 n48_Ant MIMO 1_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.97	20.98	20.97	22.0
40	PI/2 BPSK	1	53	20.74	20.78	20.77	
40	PI/2 BPSK	1	104	20.80	20.82	20.81	
40	PI/2 BPSK	50	0	20.80	20.83	20.80	21.5
40	PI/2 BPSK	50	28	20.82	20.84	20.81	22.0
40	PI/2 BPSK	50	56	20.80	20.81	20.76	21.5
40	PI/2 BPSK	100	0	20.79	20.82	20.80	
40	QPSK	1	1	20.95	20.97	20.94	22.0
40	QPSK	1	53	20.76	20.80	20.75	
40	QPSK	1	104	20.76	20.79	20.76	
40	QPSK	50	0	20.80	20.83	20.79	22.0
40	QPSK	50	28	20.78	20.81	20.77	
40	QPSK	50	56	20.75	20.80	20.75	
40	QPSK	100	0	20.78	20.81	20.77	21.0
40	16QAM	1	1	20.93	20.95	20.94	21.0
40	64QAM	1	1	20.42	20.44	20.42	20.5
40	256QAM	1	1	18.28	18.31	18.28	18.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	20.79	20.79	20.78	22.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	20.83	20.88	20.87	22.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	20.81	20.87	20.80	22.0

<FR1 n48_Ant Aux_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.00	21.14	21.08	22.0
40	PI/2 BPSK	1	53	20.90	21.12	21.03	
40	PI/2 BPSK	1	104	20.95	21.13	21.05	
40	PI/2 BPSK	50	0	20.44	20.60	20.58	21.5
40	PI/2 BPSK	50	28	20.93	21.08	21.04	22.0
40	PI/2 BPSK	50	56	20.40	20.57	20.54	21.5
40	PI/2 BPSK	100	0	20.38	20.60	20.53	
40	QPSK	1	1	20.85	20.91	20.90	22.0
40	QPSK	1	53	20.78	20.94	20.84	
40	QPSK	1	104	20.86	21.00	20.96	
40	QPSK	50	0	19.94	20.10	20.05	21.0
40	QPSK	50	28	20.77	20.95	20.85	22.0
40	QPSK	50	56	19.88	20.04	19.95	21.0
40	QPSK	100	0	19.97	20.06	20.02	
40	16QAM	1	1	19.99	20.15	20.08	21.0
40	64QAM	1	1	18.74	18.91	18.85	19.5
40	256QAM	1	1	16.44	16.61	16.55	17.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	20.87	20.97	21.02	22.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	20.84	20.97	20.99	22.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	20.86	21.02	20.98	22.0

<FR1 n48_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	14.91	15.02	14.95	15.5
40	PI/2 BPSK	1	53	14.88	14.99	14.92	
40	PI/2 BPSK	1	104	14.87	14.98	14.91	
40	PI/2 BPSK	50	0	14.85	14.96	14.89	15.5
40	PI/2 BPSK	50	28	14.87	14.98	14.91	15.5
40	PI/2 BPSK	50	56	14.83	14.94	14.87	15.5
40	PI/2 BPSK	100	0	14.85	14.96	14.89	
40	QPSK	1	1	14.89	15.00	14.93	15.5
40	QPSK	1	53	14.88	14.99	14.92	
40	QPSK	1	104	14.87	14.98	14.91	
40	QPSK	50	0	14.85	14.96	14.89	15.5
40	QPSK	50	28	14.84	14.95	14.88	
40	QPSK	50	56	14.82	14.93	14.86	
40	QPSK	100	0	14.82	14.93	14.86	15.5
40	16QAM	1	1	14.65	14.76	14.69	15.5
40	64QAM	1	1	14.90	15.01	14.94	15.5
40	256QAM	1	1	14.51	14.62	14.55	15.0
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	14.85	14.95	14.89	15.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	14.79	14.97	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	14.80	14.90	14.88	15.5

<FR1 n48_Ant MIMO 2_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	13.45	13.47	13.42	14.5
40	PI/2 BPSK	1	53	13.31	13.38	13.29	
40	PI/2 BPSK	1	104	13.31	13.40	13.32	
40	PI/2 BPSK	50	0	13.33	13.40	13.31	14.5
40	PI/2 BPSK	50	28	13.36	13.45	13.36	14.5
40	PI/2 BPSK	50	56	13.32	13.42	13.32	14.5
40	PI/2 BPSK	100	0	13.35	13.41	13.32	
40	QPSK	1	1	13.29	13.39	13.31	14.5
40	QPSK	1	53	13.30	13.40	13.34	
40	QPSK	1	104	13.33	13.42	13.37	
40	QPSK	50	0	13.31	13.38	13.30	14.5
40	QPSK	50	28	13.35	13.40	13.31	
40	QPSK	50	56	13.37	13.42	13.34	
40	QPSK	100	0	13.36	13.42	13.35	14.5
40	16QAM	1	1	13.33	13.42	13.37	14.5
40	64QAM	1	1	13.34	13.42	13.36	12.0
40	256QAM	1	1	13.28	13.38	13.28	14.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	13.21	13.31	13.24	14.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	13.28	13.33	13.23	14.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	13.26	13.33	13.29	14.5

<FR1 n48_Ant MIMO 1_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	8.55	8.58	8.52	9.5
40	PI/2 BPSK	1	53	8.46	8.54	8.47	
40	PI/2 BPSK	1	104	8.48	8.52	8.44	
40	PI/2 BPSK	50	0	8.43	8.50	8.42	9.5
40	PI/2 BPSK	50	28	8.44	8.52	8.49	9.5
40	PI/2 BPSK	50	56	8.45	8.51	8.48	9.5
40	PI/2 BPSK	100	0	8.42	8.49	8.43	
40	QPSK	1	1	8.43	8.49	8.44	9.5
40	QPSK	1	53	8.41	8.49	8.45	
40	QPSK	1	104	8.47	8.53	8.45	
40	QPSK	50	0	8.46	8.52	8.49	9.5
40	QPSK	50	28	8.46	8.51	8.47	
40	QPSK	50	56	8.45	8.51	8.48	
40	QPSK	100	0	8.44	8.52	8.49	9.5
40	16QAM	1	1	8.49	8.54	8.48	9.5
40	64QAM	1	1	8.42	8.50	8.46	9.5
40	256QAM	1	1	8.45	8.51	8.43	9.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	8.50	8.49	8.46	9.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	8.47	8.51	8.41	9.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	8.44	8.51	8.41	9.5

<FR1 n48_Ant Aux_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	17.85	17.95	17.86	18.5
40	PI/2 BPSK	1	53	17.80	17.91	17.80	
40	PI/2 BPSK	1	104	17.79	17.88	17.81	
40	PI/2 BPSK	50	0	17.84	17.91	17.80	18.5
40	PI/2 BPSK	50	28	17.77	17.92	17.75	18.5
40	PI/2 BPSK	50	56	17.83	17.89	17.81	18.5
40	PI/2 BPSK	100	0	17.82	17.91	17.82	
40	QPSK	1	1	17.82	17.90	17.83	18.5
40	QPSK	1	53	17.79	17.87	17.79	
40	QPSK	1	104	17.84	17.91	17.81	
40	QPSK	50	0	17.83	17.89	17.78	18.5
40	QPSK	50	28	17.77	17.86	17.78	18.5
40	QPSK	50	56	17.84	17.89	17.80	18.5
40	QPSK	100	0	17.84	17.89	17.80	
40	16QAM	1	1	17.81	17.89	17.81	18.5
40	64QAM	1	1	17.80	17.87	17.80	18.5
40	256QAM	1	1	17.79	17.88	17.82	18.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	17.80	17.85	17.81	18.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	17.75	17.88	17.81	18.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	17.76	17.86	17.75	18.5

<FR1 n77_Ant Main_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.41	24.42	24.35	25.0
100	PI/2 BPSK	1	137	24.35	24.39	24.34	
100	PI/2 BPSK	1	271	24.39	24.17	24.22	
100	PI/2 BPSK	135	0	24.27	24.18	24.31	24.5
100	PI/2 BPSK	135	69	24.33	24.37	24.33	25.0
100	PI/2 BPSK	135	138	24.21	24.32	24.25	24.5
100	PI/2 BPSK	270	0	24.31	24.36	24.30	
100	QPSK	1	1	24.36	24.11	24.34	25.0
100	QPSK	1	137	24.34	24.36	24.35	
100	QPSK	1	271	24.39	24.40	24.21	
100	QPSK	135	0	23.83	23.81	23.93	25.0
100	QPSK	135	69	24.29	24.36	24.35	
100	QPSK	135	138	23.81	23.96	23.86	
100	QPSK	270	0	23.85	23.92	23.90	24.0
100	16QAM	1	1	23.83	23.81	23.72	24.0
100	64QAM	1	1	22.21	22.09	22.21	22.5
100	256QAM	1	1	20.02	19.88	20.35	20.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.37	24.03	24.32	25.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.36	24.08	24.29	25.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.35	24.09	24.29	25.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.30	24.08	24.29	25.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.35	24.07	24.31	25.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.31	24.12	24.24	25.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.31	24.09	24.23	25.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.37	24.08	24.32	25.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.31	24.08	24.23	25.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.32	24.03	24.28	25.0

<FR1 n77_Ant MIMO 2_Sensor OFF>

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	23.43	23.62	23.35	25.0
100	PI/2 BPSK	1	137	23.33	23.57	23.33	
100	PI/2 BPSK	1	271	23.38	23.60	23.34	
100	PI/2 BPSK	135	0	22.66	22.88	22.61	24.5
100	PI/2 BPSK	135	69	23.29	23.54	23.29	25.0
100	PI/2 BPSK	135	138	22.79	23.05	22.85	24.5
100	PI/2 BPSK	270	0	22.77	23.05	22.76	
100	QPSK	1	1	23.15	23.35	23.14	24.0
100	QPSK	1	137	23.38	23.61	23.33	
100	QPSK	1	271	23.28	23.56	23.28	
100	QPSK	135	0	22.18	22.40	22.12	24.0
100	QPSK	135	69	23.24	23.54	23.34	
100	QPSK	135	138	22.25	22.54	22.25	
100	QPSK	270	0	22.28	22.51	22.28	24.0
100	16QAM	1	1	22.30	22.57	22.29	24.0
100	64QAM	1	1	20.49	20.72	20.48	22.5
100	256QAM	1	1	18.58	18.79	18.51	20.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.38	23.54	23.33	25.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.37	23.52	23.27	25.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.42	23.54	23.33	25.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.40	23.60	23.27	25.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.41	23.55	23.34	25.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.36	23.60	23.29	25.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.39	23.53	23.32	25.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.34	23.58	23.34	25.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.33	23.56	23.30	25.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.37	23.58	23.26	25.0

<FR1 n77_Ant MIMO 1_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.73	24.77	24.60	25.0
100	PI/2 BPSK	1	137	24.62	24.76	24.57	
100	PI/2 BPSK	1	271	24.54	24.70	24.59	
100	PI/2 BPSK	135	0	24.37	24.50	24.33	24.5
100	PI/2 BPSK	135	69	24.52	24.69	24.49	25.0
100	PI/2 BPSK	135	138	24.39	24.50	24.30	24.5
100	PI/2 BPSK	270	0	24.31	24.50	24.37	
100	QPSK	1	1	24.30	24.44	24.24	25.0
100	QPSK	1	137	24.51	24.68	24.48	
100	QPSK	1	271	24.46	24.62	24.52	
100	QPSK	135	0	24.09	24.22	24.02	25.0
100	QPSK	135	69	24.56	24.68	24.54	
100	QPSK	135	138	24.05	24.23	24.12	
100	QPSK	270	0	23.84	24.00	23.89	24.0
100	16QAM	1	1	23.81	23.94	23.80	24.0
100	64QAM	1	1	22.25	22.43	22.24	23.0
100	256QAM	1	1	20.40	20.50	20.37	21.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.59	24.42	24.41	25.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.53	24.40	24.49	25.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.62	24.41	24.46	25.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.56	24.40	24.44	25.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.62	24.45	24.45	25.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.58	24.39	24.47	25.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.62	24.40	24.46	25.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.61	24.39	24.41	25.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.58	24.47	24.40	25.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.53	24.44	24.40	25.0

<FR1 n77_Ant Aux_Sensor OFF>

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	23.82	23.87	23.86	25.0
100	PI/2 BPSK	1	137	23.73	23.78	23.77	
100	PI/2 BPSK	1	271	23.81	23.86	23.85	
100	PI/2 BPSK	135	0	23.27	23.32	23.31	24.5
100	PI/2 BPSK	135	69	23.73	23.78	23.77	25.0
100	PI/2 BPSK	135	138	23.38	23.43	23.42	24.5
100	PI/2 BPSK	270	0	23.29	23.34	23.33	
100	QPSK	1	1	23.77	23.82	23.81	25.0
100	QPSK	1	137	23.80	23.85	23.84	
100	QPSK	1	271	23.81	23.86	23.85	
100	QPSK	135	0	22.77	22.82	22.81	24.0
100	QPSK	135	69	23.79	23.84	23.83	25.0
100	QPSK	135	138	22.87	22.92	22.91	24.0
100	QPSK	270	0	22.84	22.89	22.88	
100	16QAM	1	1	22.92	22.97	22.96	24.0
100	64QAM	1	1	21.45	21.50	21.49	22.5
100	256QAM	1	1	19.10	19.15	19.14	20.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.73	23.81	23.80	25.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.73	23.74	23.79	25.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.73	23.82	23.73	25.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.71	23.78	23.81	25.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.76	23.74	23.74	25.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.69	23.77	23.78	25.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.77	23.80	23.79	25.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.75	23.72	23.75	25.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.73	23.74	23.80	25.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.71	23.76	23.78	25.0

<FR1 n77_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	14.02	14.07	13.98	15.0
100	PI/2 BPSK	1	137	13.87	13.92	13.83	
100	PI/2 BPSK	1	271	13.97	14.02	13.93	
100	PI/2 BPSK	135	0	13.85	13.90	13.81	15.0
100	PI/2 BPSK	135	69	13.86	13.91	13.82	15.0
100	PI/2 BPSK	135	138	13.85	13.90	13.81	15.0
100	PI/2 BPSK	270	0	13.79	13.84	13.75	
100	QPSK	1	1	13.86	13.91	13.82	15.0
100	QPSK	1	137	13.94	13.99	13.90	
100	QPSK	1	271	13.86	13.91	13.82	
100	QPSK	135	0	13.83	13.88	13.79	15.0
100	QPSK	135	69	13.82	13.87	13.78	
100	QPSK	135	138	13.82	13.87	13.78	
100	QPSK	270	0	13.84	13.89	13.80	15.0
100	16QAM	1	1	13.66	13.71	13.62	15.0
100	64QAM	1	1	13.88	13.93	13.84	15.0
100	256QAM	1	1	13.51	13.56	13.47	14.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	13.94	13.97	13.87	15.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	13.90	13.98	13.83	15.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	13.86	13.93	13.86	15.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	13.88	13.95	13.89	15.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	13.86	13.99	13.87	15.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	13.87	13.94	13.90	15.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	13.86	13.98	13.87	15.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	13.94	13.95	13.83	15.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	13.94	13.96	13.82	15.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	13.86	13.99	13.90	15.0

<FR1 n77_Ant MIMO 2_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	14.01	14.04	13.98	14.5
100	PI/2 BPSK	1	137	13.87	13.90	13.84	
100	PI/2 BPSK	1	271	13.95	13.98	13.92	
100	PI/2 BPSK	135	0	13.91	13.94	13.88	14.5
100	PI/2 BPSK	135	69	13.93	13.96	13.90	14.5
100	PI/2 BPSK	135	138	13.82	13.85	13.79	14.5
100	PI/2 BPSK	270	0	13.89	13.92	13.86	
100	QPSK	1	1	13.79	13.82	13.76	14.5
100	QPSK	1	137	13.89	13.92	13.86	
100	QPSK	1	271	13.97	14.00	13.94	
100	QPSK	135	0	13.89	13.92	13.86	14.5
100	QPSK	135	69	13.92	13.95	13.89	
100	QPSK	135	138	13.84	13.87	13.81	
100	QPSK	270	0	13.88	13.91	13.85	14.5
100	16QAM	1	1	13.83	13.86	13.80	14.5
100	64QAM	1	1	13.93	13.96	13.90	14.5
100	256QAM	1	1	13.59	13.62	13.56	14.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	13.93	13.89	13.83	14.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	13.92	13.90	13.86	14.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	13.93	13.93	13.83	14.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	13.90	13.94	13.90	14.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	13.92	13.96	13.85	14.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	13.91	13.90	13.90	14.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	13.93	13.92	13.87	14.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	13.86	13.91	13.84	14.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	13.89	13.91	13.83	14.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	13.90	13.90	13.89	14.5

<FR1 n77_Ant MIMO 1_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	8.08	8.16	8.01	9.0
100	PI/2 BPSK	1	137	8.04	8.12	7.97	
100	PI/2 BPSK	1	271	8.03	8.11	7.96	
100	PI/2 BPSK	135	0	8.03	8.11	7.96	9.0
100	PI/2 BPSK	135	69	8.07	8.15	8.00	9.0
100	PI/2 BPSK	135	138	8.06	8.14	7.99	9.0
100	PI/2 BPSK	270	0	8.06	8.14	7.99	
100	QPSK	1	1	7.95	8.03	7.88	9.0
100	QPSK	1	137	8.03	8.11	7.96	
100	QPSK	1	271	8.02	8.10	7.95	
100	QPSK	135	0	8.01	8.09	7.94	9.0
100	QPSK	135	69	8.04	8.12	7.97	
100	QPSK	135	138	8.03	8.11	7.96	
100	QPSK	270	0	8.02	8.10	7.95	9.0
100	16QAM	1	1	8.06	8.14	7.99	9.0
100	64QAM	1	1	8.07	8.15	8.00	9.0
100	256QAM	1	1	7.68	7.76	7.61	9.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	7.91	8.05	7.82	9.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	7.91	7.96	7.85	9.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	7.88	7.97	7.89	9.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	7.92	7.98	7.84	9.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	7.92	8.00	7.90	9.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	7.96	8.02	7.82	9.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	7.89	7.98	7.82	9.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	7.98	8.02	7.91	9.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	7.90	8.06	7.83	9.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	7.96	8.01	7.89	9.0

<FR1 n77_Ant Aux_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.61	16.67	16.62	17.5
100	PI/2 BPSK	1	137	16.45	16.56	16.50	
100	PI/2 BPSK	1	271	16.53	16.61	16.53	
100	PI/2 BPSK	135	0	16.51	16.63	16.50	17.5
100	PI/2 BPSK	135	69	16.52	16.64	16.52	17.5
100	PI/2 BPSK	135	138	16.51	16.59	16.48	17.5
100	PI/2 BPSK	270	0	16.53	16.62	16.54	
100	QPSK	1	1	16.51	16.61	16.51	17.5
100	QPSK	1	137	16.48	16.57	16.47	
100	QPSK	1	271	16.50	16.60	16.49	
100	QPSK	135	0	16.51	16.59	16.53	17.5
100	QPSK	135	69	16.56	16.63	16.52	17.5
100	QPSK	135	138	16.53	16.58	16.51	17.5
100	QPSK	270	0	16.45	16.56	16.51	
100	16QAM	1	1	16.49	16.60	16.52	17.5
100	64QAM	1	1	16.52	16.62	16.53	17.5
100	256QAM	1	1	16.47	16.57	16.49	17.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	16.51	16.60	16.51	17.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	16.48	16.56	16.52	17.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	16.51	16.56	16.50	17.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	16.52	16.56	16.49	17.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	16.55	16.60	16.52	17.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	16.54	16.56	16.52	17.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	16.49	16.54	16.54	17.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	16.52	16.56	16.52	17.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	16.53	16.59	16.55	17.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	16.50	16.56	16.56	17.5

<FR1 n77_HPUE_Ant Main_Sensor OFF>

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	27.42	27.44	27.32	27.5
100	PI/2 BPSK	1	137	27.34	27.40	27.31	
100	PI/2 BPSK	1	271	27.37	27.11	27.14	
100	PI/2 BPSK	135	0	26.91	26.86	26.93	27.0
100	PI/2 BPSK	135	69	27.33	27.39	27.30	27.5
100	PI/2 BPSK	135	138	26.84	26.98	26.79	27.0
100	PI/2 BPSK	270	0	26.91	26.99	26.87	
100	QPSK	1	1	27.25	27.23	27.34	27.5
100	QPSK	1	137	27.26	27.42	27.35	
100	QPSK	1	271	27.26	27.38	27.09	
100	QPSK	135	0	26.41	26.33	26.47	27.5
100	QPSK	135	69	27.31	27.38	27.32	
100	QPSK	135	138	26.35	26.48	26.29	
100	QPSK	270	0	26.44	26.49	26.39	26.5
100	16QAM	1	1	26.30	26.08	26.40	26.5
100	64QAM	1	1	24.89	24.58	24.78	25.0
100	256QAM	1	1	22.93	22.46	22.80	23.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	27.34	27.07	27.27	27.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	27.40	27.03	27.25	27.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	27.38	27.05	27.27	27.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	27.38	27.08	27.27	27.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	27.42	27.03	27.24	27.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	27.38	27.04	27.21	27.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	27.40	27.02	27.20	27.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	27.34	27.03	27.25	27.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	27.38	27.10	27.26	27.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	27.40	27.04	27.19	27.5

<FR1 n77_HPUE_Ant MIMO 2_Sensor OFF>

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	26.15	26.53	26.14	27.5
100	PI/2 BPSK	1	137	26.11	26.16	26.11	
100	PI/2 BPSK	1	271	26.14	26.23	26.13	
100	PI/2 BPSK	135	0	25.88	25.46	25.45	27.0
100	PI/2 BPSK	135	69	26.15	26.17	26.04	27.5
100	PI/2 BPSK	135	138	25.54	25.58	25.53	27.0
100	PI/2 BPSK	270	0	25.56	25.57	25.49	
100	QPSK	1	1	25.84	25.90	25.86	26.5
100	QPSK	1	137	26.08	26.11	26.07	
100	QPSK	1	271	26.17	26.25	26.21	
100	QPSK	135	0	25.76	25.45	25.42	26.5
100	QPSK	135	69	26.14	26.12	26.09	
100	QPSK	135	138	25.57	25.57	25.52	
100	QPSK	270	0	25.66	25.60	25.57	26.5
100	16QAM	1	1	24.84	24.80	24.76	26.5
100	64QAM	1	1	23.27	23.31	23.30	25.0
100	256QAM	1	1	21.34	21.25	21.21	23.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	26.01	26.48	26.03	27.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	26.03	26.51	26.06	27.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	26.01	26.48	26.07	27.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	26.00	26.50	26.04	27.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	26.02	26.48	26.05	27.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	26.00	26.50	26.07	27.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	26.03	26.52	26.06	27.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.99	26.49	26.04	27.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	26.02	26.51	26.05	27.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.99	26.49	26.05	27.5

<FR1 n77_HPUE_Ant MIMO 1_Sensor OFF>

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	26.27	26.35	26.31	27.5
100	PI/2 BPSK	1	137	26.25	26.34	26.30	
100	PI/2 BPSK	1	271	26.26	26.32	26.27	
100	PI/2 BPSK	135	0	26.23	26.28	26.27	27.0
100	PI/2 BPSK	135	69	26.26	26.34	26.33	27.5
100	PI/2 BPSK	135	138	26.24	26.31	26.30	27.0
100	PI/2 BPSK	270	0	26.21	26.23	26.20	
100	QPSK	1	1	26.06	26.08	26.05	27.5
100	QPSK	1	137	26.35	26.34	26.33	
100	QPSK	1	271	26.21	26.25	26.20	
100	QPSK	135	0	26.20	26.23	26.21	27.5
100	QPSK	135	69	26.35	26.34	26.34	
100	QPSK	135	138	26.27	26.30	26.27	
100	QPSK	270	0	26.20	26.23	26.21	26.5
100	16QAM	1	1	26.33	26.34	26.34	26.5
100	64QAM	1	1	25.26	25.31	25.28	25.5
100	256QAM	1	1	23.24	23.25	23.23	23.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.94	25.99	25.91	27.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	26.03	26.01	25.97	27.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	26.01	25.98	25.97	27.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	26.01	25.99	25.93	27.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	26.01	25.98	25.99	27.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	26.00	26.03	25.93	27.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.96	25.96	25.93	27.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.97	25.98	25.96	27.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.94	26.01	25.95	27.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	26.02	25.95	25.98	27.5

<FR1 n77_HPUE_Ant Aux_Sensor OFF>

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	26.35	26.43	26.42	27.5
100	PI/2 BPSK	1	137	26.27	26.35	26.34	
100	PI/2 BPSK	1	271	26.34	26.42	26.41	
100	PI/2 BPSK	135	0	25.85	25.93	25.92	27.0
100	PI/2 BPSK	135	69	26.20	26.28	26.27	27.5
100	PI/2 BPSK	135	138	25.87	25.95	25.94	27.0
100	PI/2 BPSK	270	0	25.80	25.88	25.87	
100	QPSK	1	1	26.16	26.24	26.23	27.5
100	QPSK	1	137	26.25	26.33	26.32	
100	QPSK	1	271	26.34	26.42	26.41	
100	QPSK	135	0	25.33	25.41	25.40	26.5
100	QPSK	135	69	26.26	26.34	26.33	27.5
100	QPSK	135	138	25.42	25.50	25.49	26.5
100	QPSK	270	0	25.34	25.42	25.41	
100	16QAM	1	1	25.24	25.32	25.31	26.5
100	64QAM	1	1	24.12	24.20	24.19	25.0
100	256QAM	1	1	21.57	21.65	21.64	23.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	26.20	26.35	26.31	27.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	26.21	26.32	26.28	27.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	26.23	26.33	26.28	27.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	26.22	26.34	26.32	27.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	26.20	26.32	26.31	27.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	26.20	26.35	26.37	27.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	26.25	26.37	26.33	27.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	26.20	26.38	26.29	27.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	26.26	26.28	26.27	27.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	26.22	26.31	26.27	27.5

<FR1 n77_HPUE_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	17.02	17.18	17.13	18.0
100	PI/2 BPSK	1	137	16.82	16.98	16.93	
100	PI/2 BPSK	1	271	16.82	16.98	16.93	
100	PI/2 BPSK	135	0	16.82	16.98	16.93	18.0
100	PI/2 BPSK	135	69	16.89	17.05	17.00	18.0
100	PI/2 BPSK	135	138	16.86	17.02	16.97	18.0
100	PI/2 BPSK	270	0	16.84	17.00	16.95	
100	QPSK	1	1	16.71	16.87	16.82	18.0
100	QPSK	1	137	16.91	17.07	17.02	
100	QPSK	1	271	16.95	17.11	17.06	
100	QPSK	135	0	16.83	16.99	16.94	18.0
100	QPSK	135	69	16.86	17.02	16.97	
100	QPSK	135	138	16.89	17.05	17.00	
100	QPSK	270	0	16.82	16.98	16.93	18.0
100	16QAM	1	1	16.86	17.02	16.97	18.0
100	64QAM	1	1	16.94	17.10	17.05	18.0
100	256QAM	1	1	16.52	16.68	16.63	17.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	16.88	17.05	17.01	18.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	16.96	17.12	17.02	18.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	16.87	17.06	17.05	18.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	16.91	17.11	17.00	18.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	16.91	17.05	17.02	18.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	16.90	17.11	17.06	18.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	16.90	17.06	17.01	18.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	16.93	17.04	17.00	18.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	16.92	17.08	17.05	18.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	16.94	17.10	17.07	18.0

<FR1 n77_HPUE_Ant MIMO 2_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.95	17.02	16.97	17.5
100	PI/2 BPSK	1	137	16.89	16.96	16.91	
100	PI/2 BPSK	1	271	16.91	16.98	16.93	
100	PI/2 BPSK	135	0	16.82	16.89	16.84	17.5
100	PI/2 BPSK	135	69	16.88	16.95	16.90	17.5
100	PI/2 BPSK	135	138	16.87	16.94	16.89	17.5
100	PI/2 BPSK	270	0	16.79	16.86	16.81	
100	QPSK	1	1	16.81	16.88	16.83	17.5
100	QPSK	1	137	16.90	16.97	16.92	
100	QPSK	1	271	16.94	17.01	16.96	
100	QPSK	135	0	16.79	16.86	16.81	17.5
100	QPSK	135	69	16.89	16.96	16.91	
100	QPSK	135	138	16.82	16.89	16.84	
100	QPSK	270	0	16.89	16.96	16.91	17.5
100	16QAM	1	1	16.59	16.66	16.61	17.5
100	64QAM	1	1	16.93	17.00	16.95	17.5
100	256QAM	1	1	16.79	16.86	16.81	17.5
Channel				649668	656000		Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	-6000	
90	PI/2 BPSK	1	1	16.84	16.94	16.85	17.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	16.87	16.92	16.83	17.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	16.82	16.92	16.85	17.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	16.88	16.93	16.82	17.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	16.86	16.90	16.82	17.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	16.85	16.90	16.86	17.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	16.85	16.95	16.85	17.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	16.84	16.87	16.88	17.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	16.89	16.88	16.89	17.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	16.85	16.93	16.84	17.5

<FR1 n77_HPUE_Ant MIMO 1_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	11.16	11.18	11.17	12.0
100	PI/2 BPSK	1	137	11.14	11.16	11.15	
100	PI/2 BPSK	1	271	11.15	11.17	11.16	
100	PI/2 BPSK	135	0	11.13	11.15	11.14	12.0
100	PI/2 BPSK	135	69	11.15	11.17	11.16	12.0
100	PI/2 BPSK	135	138	11.14	11.16	11.15	12.0
100	PI/2 BPSK	270	0	11.14	11.16	11.15	
100	QPSK	1	1	11.13	11.15	11.14	12.0
100	QPSK	1	137	11.12	11.14	11.13	
100	QPSK	1	271	11.15	11.17	11.16	
100	QPSK	135	0	11.09	11.11	11.10	12.0
100	QPSK	135	69	11.11	11.13	11.12	
100	QPSK	135	138	11.13	11.15	11.14	
100	QPSK	270	0	11.10	11.12	11.11	12.0
100	16QAM	1	1	10.83	10.85	10.84	12.0
100	64QAM	1	1	11.15	11.17	11.16	12.0
100	256QAM	1	1	10.83	10.85	10.84	12.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	11.01	11.03	11.01	12.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	10.98	11.06	11.00	12.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	10.99	10.98	11.06	12.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	10.99	10.98	11.06	12.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	10.97	11.06	11.07	12.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	11.05	11.01	11.01	12.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	10.99	11.02	10.98	12.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	11.04	11.01	10.97	12.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	11.06	10.98	11.01	12.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	10.98	10.99	10.97	12.0

<FR1 n77_HPUE_Ant Aux_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.62	19.66	19.62	20.5
100	PI/2 BPSK	1	137	19.54	19.62	19.58	
100	PI/2 BPSK	1	271	19.54	19.61	19.57	
100	PI/2 BPSK	135	0	19.53	19.57	19.50	20.5
100	PI/2 BPSK	135	69	19.55	19.58	19.56	20.5
100	PI/2 BPSK	135	138	19.54	19.56	19.54	20.5
100	PI/2 BPSK	270	0	19.56	19.57	19.55	
100	QPSK	1	1	19.51	19.58	19.51	20.5
100	QPSK	1	137	19.53	19.58	19.52	
100	QPSK	1	271	19.54	19.62	19.55	
100	QPSK	135	0	19.55	19.61	19.54	20.5
100	QPSK	135	69	19.57	19.62	19.56	20.5
100	QPSK	135	138	19.57	19.61	19.53	20.5
100	QPSK	270	0	19.54	19.60	19.52	
100	16QAM	1	1	19.53	19.59	19.50	20.5
100	64QAM	1	1	19.54	19.62	19.56	20.5
100	256QAM	1	1	19.54	19.61	19.57	20.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.56	19.57	19.54	20.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.51	19.57	19.54	20.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.49	19.58	19.52	20.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.53	19.60	19.53	20.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.49	19.60	19.52	20.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.52	19.57	19.56	20.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.54	19.56	19.49	20.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.52	19.58	19.53	20.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.53	19.54	19.50	20.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.53	19.58	19.53	20.5

<FR1 n77_Ant Main_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.25		25.0
100	PI/2 BPSK	1	137		24.03		
100	PI/2 BPSK	1	271		24.11		
100	PI/2 BPSK	135	0		23.95		24.5
100	PI/2 BPSK	135	69		24.07		25.0
100	PI/2 BPSK	135	138		23.98		24.5
100	PI/2 BPSK	270	0		23.99		
100	QPSK	1	1		23.95		25.0
100	QPSK	1	137		23.87		
100	QPSK	1	271		24.07		
100	QPSK	135	0		23.97		25.0
100	QPSK	135	69		23.98		
100	QPSK	135	138		24.01		
100	QPSK	270	0		23.97		24.0
100	16QAM	1	1		23.99		24.0
100	64QAM	1	1		22.46		23.0
100	256QAM	1	1		20.43		21.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.95	23.98	23.92	25.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.87	23.97	23.91	25.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.88	23.97	23.91	25.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.94	23.97	23.89	25.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.88	23.98	23.83	25.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.88	23.94	23.90	25.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.90	23.90	23.89	25.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.90	23.89	23.87	25.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.95	23.96	23.87	25.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.91	23.92	23.89	25.0

<FR1 n77_Ant MIMO 2_Sensor OFF>

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		23.50		25.0
100	PI/2 BPSK	1	137		23.41		
100	PI/2 BPSK	1	271		23.46		
100	PI/2 BPSK	135	0		22.70		24.5
100	PI/2 BPSK	135	69		23.40		25.0
100	PI/2 BPSK	135	138		22.90		24.5
100	PI/2 BPSK	270	0		22.91		
100	QPSK	1	1		23.15		24.0
100	QPSK	1	137		23.48		
100	QPSK	1	271		23.42		
100	QPSK	135	0		22.27		24.0
100	QPSK	135	69		23.35		
100	QPSK	135	138		22.35		
100	QPSK	270	0		22.31		24.0
100	16QAM	1	1		22.41		24.0
100	64QAM	1	1		20.61		22.5
100	256QAM	1	1		18.66		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.41	23.43	23.29	25.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.38	23.41	23.30	25.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.37	23.43	23.27	25.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.34	23.46	23.25	25.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.33	23.49	23.32	25.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.38	23.44	23.28	25.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.40	23.49	23.25	25.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.34	23.46	23.30	25.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.35	23.48	23.29	25.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.33	23.46	23.32	25.0

<FR1 n77_Ant MIMO 1_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.55		25.0
100	PI/2 BPSK	1	137		24.46		
100	PI/2 BPSK	1	271		24.54		
100	PI/2 BPSK	135	0		24.38		24.5
100	PI/2 BPSK	135	69		24.51		25.0
100	PI/2 BPSK	135	138		24.46		24.5
100	PI/2 BPSK	270	0		24.50		
100	QPSK	1	1		24.29		25.0
100	QPSK	1	137		24.29		
100	QPSK	1	271		24.52		
100	QPSK	135	0		24.00		25.0
100	QPSK	135	69		24.49		
100	QPSK	135	138		24.13		
100	QPSK	270	0		24.00		24.0
100	16QAM	1	1		24.00		24.0
100	64QAM	1	1		22.35		23.0
100	256QAM	1	1		20.40		21.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.26	24.30	24.25	25.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.26	24.23	24.20	25.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.25	24.25	24.20	25.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.28	24.23	24.20	25.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.25	24.23	24.20	25.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.21	24.30	24.24	25.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.28	24.21	24.25	25.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.21	24.28	24.24	25.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.26	24.20	24.24	25.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.28	24.30	24.25	25.0

<FR1 n77_Ant Aux_Sensor OFF>

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		23.96		25.0
100	PI/2 BPSK	1	137		23.81		
100	PI/2 BPSK	1	271		23.95		
100	PI/2 BPSK	135	0		23.48		24.5
100	PI/2 BPSK	135	69		23.89		25.0
100	PI/2 BPSK	135	138		23.43		24.5
100	PI/2 BPSK	270	0		23.50		
100	QPSK	1	1		23.85		25.0
100	QPSK	1	137		23.82		
100	QPSK	1	271		23.83		
100	QPSK	135	0		22.93		24.0
100	QPSK	135	69		23.89		25.0
100	QPSK	135	138		22.91		24.0
100	QPSK	270	0		22.96		
100	16QAM	1	1		23.02		24.0
100	64QAM	1	1		21.72		22.5
100	256QAM	1	1		19.06		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.90	23.89	23.81	25.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.86	23.88	23.88	25.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.82	23.83	23.88	25.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.84	23.89	23.86	25.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.89	23.84	23.86	25.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.84	23.80	23.82	25.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.80	23.85	23.82	25.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.86	23.84	23.80	25.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.82	23.90	23.88	25.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.80	23.86	23.83	25.0

<FR1 n77_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.04		15.0
100	PI/2 BPSK	1	137		13.97		
100	PI/2 BPSK	1	271		14.02		
100	PI/2 BPSK	135	0		13.95		15.0
100	PI/2 BPSK	135	69		14.03		15.0
100	PI/2 BPSK	135	138		13.93		15.0
100	PI/2 BPSK	270	0		14.01		
100	QPSK	1	1		14.03		15.0
100	QPSK	1	137		13.99		
X`	QPSK	1	271		14.02		
100	QPSK	135	0		13.96		15.0
100	QPSK	135	69		13.99		
100	QPSK	135	138		13.98		
100	QPSK	270	0		14.01		15.0
100	16QAM	1	1		13.74		15.0
100	64QAM	1	1		14.03		15.0
100	256QAM	1	1		13.71		15.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	13.96	13.88	13.87	15.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	13.98	13.92	13.98	15.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	13.88	13.94	13.87	15.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	13.95	13.95	13.97	15.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	13.86	13.93	13.89	15.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	13.88	13.96	13.89	15.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	13.92	13.96	13.92	15.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	13.95	13.86	13.87	15.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	13.94	13.87	13.97	15.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	13.86	13.95	13.93	15.0

<FR1 n77_Ant MIMO 2_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.24		14.5
100	PI/2 BPSK	1	137		14.15		
100	PI/2 BPSK	1	271		14.18		
100	PI/2 BPSK	135	0		14.14		14.5
100	PI/2 BPSK	135	69		14.15		14.5
100	PI/2 BPSK	135	138		14.12		14.5
100	PI/2 BPSK	270	0		14.11		
100	QPSK	1	1		14.24		14.5
100	QPSK	1	137		14.21		
100	QPSK	1	271		14.18		
100	QPSK	135	0		14.20		14.5
100	QPSK	135	69		14.15		
100	QPSK	135	138		14.19		
100	QPSK	270	0		14.21		14.5
100	16QAM	1	1		14.06		14.5
100	64QAM	1	1		14.14		14.5
100	256QAM	1	1		13.78		14.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	14.12	14.15	14.16	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	14.10	14.16	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	14.12	14.14	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	14.11	14.14	14.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	14.15	14.08	14.13	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	14.16	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	14.13	14.13	14.09	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	14.10	14.11	14.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	14.10	14.08	14.13	14.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	14.12	14.08	14.09	14.5

<FR1 n77_Ant MIMO 1_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		8.06		9.0
100	PI/2 BPSK	1	137		7.98		
100	PI/2 BPSK	1	271		8.05		
100	PI/2 BPSK	135	0		7.99		9.0
100	PI/2 BPSK	135	69		8.04		9.0
100	PI/2 BPSK	135	138		8.03		9.0
100	PI/2 BPSK	270	0		8.00		
100	QPSK	1	1		8.00		9.0
100	QPSK	1	137		7.93		
100	QPSK	1	271		8.05		
100	QPSK	135	0		7.99		9.0
100	QPSK	135	69		7.97		
100	QPSK	135	138		8.04		
100	QPSK	270	0		8.01		9.0
100	16QAM	1	1		7.98		9.0
100	64QAM	1	1		8.04		9.0
100	256QAM	1	1		7.78		9.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	8.00	8.04	8.01	9.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	7.80	7.89	7.81	9.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	7.84	7.86	7.85	9.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	7.89	7.89	7.83	9.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	7.80	7.84	7.83	9.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	7.83	7.90	7.82	9.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	7.90	7.93	7.82	9.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	7.80	7.94	7.91	9.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	7.83	7.84	7.91	9.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	7.87	7.86	7.88	9.0

<FR1 n77_Ant Aux_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.04		17.5
100	PI/2 BPSK	1	137		16.98		
100	PI/2 BPSK	1	271		16.95		
100	PI/2 BPSK	135	0		16.96		17.5
100	PI/2 BPSK	135	69		17.01		17.5
100	PI/2 BPSK	135	138		16.97		17.5
100	PI/2 BPSK	270	0		17.00		
100	QPSK	1	1		16.99		17.5
100	QPSK	1	137		16.98		
100	QPSK	1	271		16.98		
100	QPSK	135	0		16.99		17.5
100	QPSK	135	69		16.95		17.5
100	QPSK	135	138		16.98		17.5
100	QPSK	270	0		16.95		
100	16QAM	1	1		17.00		17.5
100	64QAM	1	1		16.96		17.5
100	256QAM	1	1		16.98		17.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	16.98	16.92	16.96	17.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.93	16.96	16.92	17.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.91	16.90	16.91	17.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.95	16.98	16.93	17.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.95	16.91	16.95	17.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.91	16.94	16.96	17.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.95	16.95	16.94	17.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.96	16.91	16.91	17.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	16.95	16.95	16.91	17.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.96	16.95	16.92	17.5

<FR1 n77_HPUE_Ant Main_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.30		27.5
100	PI/2 BPSK	1	137		26.05		
100	PI/2 BPSK	1	271		26.14		
100	PI/2 BPSK	135	0		26.06		27.0
100	PI/2 BPSK	135	69		26.10		27.5
100	PI/2 BPSK	135	138		26.08		27.0
100	PI/2 BPSK	270	0		26.06		
100	QPSK	1	1		26.10		27.5
100	QPSK	1	137		26.08		
100	QPSK	1	271		26.28		
100	QPSK	135	0		26.07		27.5
100	QPSK	135	69		26.05		
100	QPSK	135	138		26.03		
100	QPSK	270	0		26.07		26.5
100	16QAM	1	1		25.82		26.5
100	64QAM	1	1		25.05		25.5
100	256QAM	1	1		23.10		23.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.15	26.11	26.13	27.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.08	26.06	26.08	27.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.10	26.01	26.03	27.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	26.13	26.09	26.10	27.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.13	26.01	26.06	27.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.12	26.04	26.05	27.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.05	26.03	26.09	27.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.08	26.03	26.12	27.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.12	26.09	26.04	27.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.09	26.02	26.06	27.5

<FR1 n77_HPUE_Ant MIMO 2_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.28		27.5
100	PI/2 BPSK	1	137		26.09		
100	PI/2 BPSK	1	271		26.15		
100	PI/2 BPSK	135	0		25.73		27.0
100	PI/2 BPSK	135	69		26.19		27.5
100	PI/2 BPSK	135	138		25.56		27.0
100	PI/2 BPSK	270	0		25.69		
100	QPSK	1	1		26.27		26.5
100	QPSK	1	137		26.22		
100	QPSK	1	271		26.22		
100	QPSK	135	0		25.21		26.5
100	QPSK	135	69		26.21		
100	QPSK	135	138		25.07		
100	QPSK	270	0		25.21		26.5
100	16QAM	1	1		25.06		26.5
100	64QAM	1	1		23.63		25.0
100	256QAM	1	1		21.51		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.27	26.27	26.25	27.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.25	26.26	26.26	27.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.24	26.26	26.26	27.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	26.25	26.26	26.26	27.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.27	26.23	26.25	27.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.23	26.26	26.25	27.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.23	26.23	26.26	27.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.26	26.25	26.26	27.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.27	26.27	26.25	27.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.26	26.26	26.26	27.5

<FR1 n77_HPUE_Ant MIMO 1_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.31		27.5
100	PI/2 BPSK	1	137		26.28		
100	PI/2 BPSK	1	271		26.30		
100	PI/2 BPSK	135	0		26.14		27.0
100	PI/2 BPSK	135	69		26.15		27.5
100	PI/2 BPSK	135	138		26.14		27.0
100	PI/2 BPSK	270	0		26.14		
100	QPSK	1	1		26.23		27.5
100	QPSK	1	137		26.25		
100	QPSK	1	271		26.27		
100	QPSK	135	0		26.09		27.5
100	QPSK	135	69		26.17		
100	QPSK	135	138		26.27		
100	QPSK	270	0		26.16		26.5
100	16QAM	1	1		25.98		26.5
100	64QAM	1	1		25.09		25.5
100	256QAM	1	1		23.20		23.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.94	25.96	25.94	27.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.98	26.01	25.95	27.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.94	25.96	26.01	27.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	26.01	25.92	25.96	27.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.96	25.99	26.01	27.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.96	25.97	25.94	27.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.96	25.98	25.97	27.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.97	25.91	25.93	27.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.00	25.99	25.94	27.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.96	25.98	25.96	27.5

<FR1 n77_HPUE_Ant Aux_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.59		27.5
100	PI/2 BPSK	1	137		26.51		
100	PI/2 BPSK	1	271		26.27		
100	PI/2 BPSK	135	0		26.06		27.0
100	PI/2 BPSK	135	69		26.36		27.5
100	PI/2 BPSK	135	138		26.02		27.0
100	PI/2 BPSK	270	0		26.01		
100	QPSK	1	1		26.58		27.5
100	QPSK	1	137		26.42		
100	QPSK	1	271		26.16		
100	QPSK	135	0		25.57		26.5
100	QPSK	135	69		26.38		27.5
100	QPSK	135	138		25.55		26.5
100	QPSK	270	0		25.50		
100	16QAM	1	1		25.59		26.5
100	64QAM	1	1		24.35		25.0
100	256QAM	1	1		21.64		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.52	26.49	26.48	27.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.50	26.53	26.49	27.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.51	26.53	26.48	27.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	26.48	26.51	26.48	27.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.53	26.52	26.52	27.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.51	26.50	26.51	27.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.52	26.53	26.52	27.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.49	26.51	26.49	27.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.52	26.53	26.51	27.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.51	26.55	26.54	27.5

<FR1 n77_HPUE_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.15		18.0
100	PI/2 BPSK	1	137		17.08		
100	PI/2 BPSK	1	271		17.14		
100	PI/2 BPSK	135	0		17.10		18.0
100	PI/2 BPSK	135	69		17.12		18.0
100	PI/2 BPSK	135	138		17.09		18.0
100	PI/2 BPSK	270	0		17.10		
100	QPSK	1	1		17.07		18.0
100	QPSK	1	137		17.00		
100	QPSK	1	271		17.11		
100	QPSK	135	0		17.02		18.0
100	QPSK	135	69		17.09		
100	QPSK	135	138		17.10		
100	QPSK	270	0		17.12		18.0
100	16QAM	1	1		17.11		18.0
100	64QAM	1	1		17.08		18.0
100	256QAM	1	1		16.84		18.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.02	17.05	17.03	18.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	17.00	17.04	17.06	18.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	17.03	17.07	17.06	18.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	17.04	17.09	17.06	18.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.04	17.03	17.03	18.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	17.04	17.07	17.03	18.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.02	17.05	17.07	18.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.08	17.08	17.08	18.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	17.07	17.01	17.00	18.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	17.01	17.00	17.01	18.0

<FR1 n77_HPUE_Ant MIMO 2_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.23		17.5
100	PI/2 BPSK	1	137		17.16		
100	PI/2 BPSK	1	271		17.18		
100	PI/2 BPSK	135	0		17.19		17.5
100	PI/2 BPSK	135	69		17.21		17.5
100	PI/2 BPSK	135	138		17.15		17.5
100	PI/2 BPSK	270	0		17.17		
100	QPSK	1	1		17.22		17.5
100	QPSK	1	137		17.21		
100	QPSK	1	271		17.18		
100	QPSK	135	0		17.22		17.5
100	QPSK	135	69		17.15		
100	QPSK	135	138		17.19		
100	QPSK	270	0		17.21		17.5
100	16QAM	1	1		17.03		17.5
100	64QAM	1	1		17.15		17.5
100	256QAM	1	1		16.78		17.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.12	17.16	17.10	17.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	17.08	17.09	17.13	17.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	17.14	17.11	17.08	17.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	17.10	17.09	17.16	17.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.13	17.13	17.16	17.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	17.11	17.09	17.12	17.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.11	17.08	17.13	17.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.11	17.08	17.11	17.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	17.13	17.15	17.10	17.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	17.17	17.10	17.09	17.5

<FR1 n77_HPUE_Ant MIMO 1_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		11.09		12.0
100	PI/2 BPSK	1	137		11.07		
100	PI/2 BPSK	1	271		11.08		
100	PI/2 BPSK	135	0		11.02		12.0
100	PI/2 BPSK	135	69		11.03		12.0
100	PI/2 BPSK	135	138		11.02		12.0
100	PI/2 BPSK	270	0		11.01		
100	QPSK	1	1		10.97		12.0
100	QPSK	1	137		11.04		
100	QPSK	1	271		11.08		
100	QPSK	135	0		10.97		12.0
100	QPSK	135	69		10.98		
100	QPSK	135	138		11.07		
100	QPSK	270	0		10.99		12.0
100	16QAM	1	1		10.94		12.0
100	64QAM	1	1		11.08		12.0
100	256QAM	1	1		10.78		12.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	11.00	11.05	11.03	12.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	10.86	10.90	10.86	12.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	10.83	10.95	10.89	12.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	10.84	10.87	10.85	12.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	10.89	10.87	10.91	12.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	10.81	10.91	10.93	12.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	10.85	10.85	10.92	12.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	10.85	10.92	10.83	12.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	10.88	10.92	10.83	12.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	10.81	10.86	10.86	12.0

<FR1 n77_HPUE_Ant Aux_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.02		20.5
100	PI/2 BPSK	1	137		19.97		
100	PI/2 BPSK	1	271		19.97		
100	PI/2 BPSK	135	0		19.96		20.5
100	PI/2 BPSK	135	69		19.98		20.5
100	PI/2 BPSK	135	138		19.97		20.5
100	PI/2 BPSK	270	0		19.94		
100	QPSK	1	1		19.96		20.5
100	QPSK	1	137		19.95		
100	QPSK	1	271		19.97		
100	QPSK	135	0		19.98		20.5
100	QPSK	135	69		19.96		20.5
100	QPSK	135	138		19.95		20.5
100	QPSK	270	0		19.97		
100	16QAM	1	1		19.98		20.5
100	64QAM	1	1		19.93		20.5
100	256QAM	1	1		19.97		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.96	19.93	19.90	20.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.94	19.95	19.95	20.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.93	19.92	19.93	20.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.94	19.96	19.94	20.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.93	19.95	19.89	20.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.90	19.90	19.96	20.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.96	19.91	19.95	20.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.94	19.91	19.95	20.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.92	19.94	19.95	20.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.96	19.89	19.90	20.5

<FR1 n78_Ant Main_Sensor OFF>

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		24.37		25.0
100	PI/2 BPSK	1	137		24.34		
100	PI/2 BPSK	1	271		24.36		
100	PI/2 BPSK	135	0		24.29		24.5
100	PI/2 BPSK	135	69		24.31		25.0
100	PI/2 BPSK	135	138		24.28		24.5
100	PI/2 BPSK	270	0		24.23		
100	QPSK	1	1		24.32		25.0
100	QPSK	1	137		24.25		
100	QPSK	1	271		24.29		
100	QPSK	135	0		23.87		25.0
100	QPSK	135	69		24.23		
100	QPSK	135	138		23.84		
100	QPSK	270	0		23.82		24.0
100	16QAM	1	1		23.98		24.0
100	64QAM	1	1		22.33		22.5
100	256QAM	1	1		20.28		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	24.29	24.27	24.33	25.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	24.27	24.19	24.27	25.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.29	24.22	24.25	25.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	24.25	24.26	24.31	25.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	24.20	24.18	24.29	25.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.25	24.17	24.26	25.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	24.19	24.17	24.27	25.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	24.25	24.25	24.26	25.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	24.20	24.18	24.24	25.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	24.26	24.25	24.25	25.0

<FR1 n78_Ant MIMO 2_Sensor OFF>

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		23.51		25.0
100	PI/2 BPSK	1	137		23.43		
100	PI/2 BPSK	1	271		23.35		
100	PI/2 BPSK	135	0		22.96		24.5
100	PI/2 BPSK	135	69		23.36		25.0
100	PI/2 BPSK	135	138		22.77		24.5
100	PI/2 BPSK	270	0		22.88		
100	QPSK	1	1		23.46		24.0
100	QPSK	1	137		23.44		
100	QPSK	1	271		23.42		
100	QPSK	135	0		22.35		24.0
100	QPSK	135	69		23.35		
100	QPSK	135	138		22.24		
100	QPSK	270	0		22.33		24.0
100	16QAM	1	1		22.20		24.0
100	64QAM	1	1		20.89		22.5
100	256QAM	1	1		18.66		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.46	23.49	23.50	25.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.40	23.45	23.48	25.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.39	23.47	23.42	25.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.42	23.43	23.43	25.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.44	23.46	23.49	25.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.42	23.45	23.49	25.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.38	23.48	23.46	25.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.40	23.43	23.41	25.0
Channel				647168	24	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	-5999.6355	3792.48	
15	PI/2 BPSK	1	1	23.41	23.44	23.49	25.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.42	23.39	23.42	25.0

<FR1 n78_Ant MIMO 1_Sensor OFF>

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		24.23		25.0
100	PI/2 BPSK	1	137		24.22		
100	PI/2 BPSK	1	271		24.20		
100	PI/2 BPSK	135	0		24.16		24.5
100	PI/2 BPSK	135	69		24.21		25.0
100	PI/2 BPSK	135	138		24.16		24.5
100	PI/2 BPSK	270	0		24.20		
100	QPSK	1	1		24.14		25.0
100	QPSK	1	137		24.22		
100	QPSK	1	271		24.18		
100	QPSK	135	0		24.13		25.0
100	QPSK	135	69		24.22		
100	QPSK	135	138		24.13		
100	QPSK	270	0		24.00		24.0
100	16QAM	1	1		24.00		24.0
100	64QAM	1	1		22.81		23.0
100	256QAM	1	1		20.63		21.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	24.06	24.00	24.03	25.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.99	24.00	24.08	25.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	24.01	24.02	24.01	25.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.99	23.99	24.01	25.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	24.08	24.02	24.02	25.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	24.04	24.01	23.99	25.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	24.06	24.01	24.01	25.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	24.07	24.00	24.01	25.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	24.08	24.02	24.04	25.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.98	24.05	24.08	25.0

<FR1 n78_Ant Aux_Sensor OFF>

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		23.56		25.0
100	PI/2 BPSK	1	137		23.53		
100	PI/2 BPSK	1	271		23.55		
100	PI/2 BPSK	135	0		22.87		24.5
100	PI/2 BPSK	135	69		23.42		25.0
100	PI/2 BPSK	135	138		22.90		24.5
100	PI/2 BPSK	270	0		22.91		
100	QPSK	1	1		23.51		25.0
100	QPSK	1	137		23.42		
100	QPSK	1	271		23.52		
100	QPSK	135	0		22.39		24.0
100	QPSK	135	69		23.41		25.0
100	QPSK	135	138		22.40		24.0
100	QPSK	270	0		22.36		
100	16QAM	1	1		22.49		24.0
100	64QAM	1	1		21.24		22.5
100	256QAM	1	1		18.93		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.42	23.45	23.44	25.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.35	23.42	23.36	25.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.39	23.39	23.35	25.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.39	23.39	23.36	25.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.36	23.35	23.40	25.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.34	23.45	23.40	25.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.37	23.35	23.35	25.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.42	23.38	23.34	25.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.35	23.37	23.43	25.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.38	23.44	23.36	25.0

<FR1 n78_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		14.20		15.0
100	PI/2 BPSK	1	137		14.17		
100	PI/2 BPSK	1	271		14.15		
100	PI/2 BPSK	135	0		14.12		15.0
100	PI/2 BPSK	135	69		14.17		15.0
100	PI/2 BPSK	135	138		14.08		15.0
100	PI/2 BPSK	270	0		14.13		
100	QPSK	1	1		14.14		15.0
100	QPSK	1	137		14.16		
100	QPSK	1	271		14.13		
100	QPSK	135	0		14.12		15.0
100	QPSK	135	69		14.16		
100	QPSK	135	138		14.05		
100	QPSK	270	0		14.13		15.0
100	16QAM	1	1		14.19		15.0
100	64QAM	1	1		14.18		15.0
100	256QAM	1	1		13.96		14.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	14.12	14.07	14.13	15.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	14.04	14.06	14.06	15.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	14.06	14.06	14.06	15.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	14.11	14.11	14.13	15.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	14.04	14.05	14.12	15.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	14.12	14.13	14.13	15.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	14.08	14.12	14.05	15.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	14.11	14.11	14.12	15.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	14.11	14.13	14.08	15.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	14.13	14.08	14.14	15.0

<FR1 n78_Ant MIMO 2_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		13.92		14.5
100	PI/2 BPSK	1	137		13.81		
100	PI/2 BPSK	1	271		13.87		
100	PI/2 BPSK	135	0		13.84		14.5
100	PI/2 BPSK	135	69		13.85		14.5
100	PI/2 BPSK	135	138		13.73		14.5
100	PI/2 BPSK	270	0		13.85		
100	QPSK	1	1		13.73		14.5
100	QPSK	1	137		13.81		
100	QPSK	1	271		13.90		
100	QPSK	135	0		13.83		14.5
100	QPSK	135	69		13.85		
100	QPSK	135	138		13.78		
100	QPSK	270	0		13.81		14.5
100	16QAM	1	1		13.76		14.5
100	64QAM	1	1		13.86		14.5
100	256QAM	1	1		13.55		14.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	13.88	13.91	13.85	14.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	13.72	13.78	13.72	14.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	13.77	13.72	13.72	14.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	13.70	13.77	13.65	14.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	13.75	13.80	13.65	14.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	13.77	13.81	13.72	14.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	13.71	13.76	13.70	14.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	13.74	13.74	13.73	14.5
Channel				647168	24	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	-5999.6355	3792.48	
15	PI/2 BPSK	1	1	13.71	13.73	13.72	14.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	13.71	13.71	13.67	14.5

<FR1 n78_Ant MIMO 1_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		8.06		9.0
100	PI/2 BPSK	1	137		8.00		
100	PI/2 BPSK	1	271		8.01		
100	PI/2 BPSK	135	0		7.99		9.0
100	PI/2 BPSK	135	69		8.04		9.0
100	PI/2 BPSK	135	138		8.03		9.0
100	PI/2 BPSK	270	0		8.02		
100	QPSK	1	1		7.92		9.0
100	QPSK	1	137		8.00		
100	QPSK	1	271		7.98		
100	QPSK	135	0		7.98		9.0
100	QPSK	135	69		8.02		
100	QPSK	135	138		8.00		
100	QPSK	270	0		7.98		9.0
100	16QAM	1	1		8.05		9.0
100	64QAM	1	1		8.05		9.0
100	256QAM	1	1		7.67		9.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	8.00	8.04	8.01	9.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	7.87	7.95	7.90	9.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	7.89	7.92	7.89	9.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	7.91	7.93	7.92	9.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	7.91	7.95	7.89	9.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	7.87	7.92	7.88	9.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	7.89	7.91	7.92	9.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	7.90	7.93	7.92	9.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	7.87	7.91	7.91	9.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	7.88	7.92	7.88	9.0

<FR1 n78_Ant Aux_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.56		17.5
100	PI/2 BPSK	1	137		16.40		
100	PI/2 BPSK	1	271		16.46		
100	PI/2 BPSK	135	0		16.49		17.5
100	PI/2 BPSK	135	69		16.47		17.5
100	PI/2 BPSK	135	138		16.47		17.5
100	PI/2 BPSK	270	0		16.46		
100	QPSK	1	1		16.47		17.5
100	QPSK	1	137		16.41		
100	QPSK	1	271		16.44		
100	QPSK	135	0		16.47		17.5
100	QPSK	135	69		16.48		17.5
100	QPSK	135	138		16.47		17.5
100	QPSK	270	0		16.38		
100	16QAM	1	1		16.44		17.5
100	64QAM	1	1		16.47		17.5
100	256QAM	1	1		16.42		17.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	16.46	16.45	16.48	17.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	16.42	16.43	16.49	17.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	16.49	16.46	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	16.45	16.43	16.46	17.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	16.45	16.45	16.47	17.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	16.47	16.47	16.45	17.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	16.46	16.49	16.48	17.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	16.43	16.44	16.49	17.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	16.48	16.49	16.50	17.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	16.44	16.46	16.47	17.5

<FR1 n78_HPUE_Ant Main_Sensor OFF>

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		27.35		27.5
100	PI/2 BPSK	1	137		27.28		
100	PI/2 BPSK	1	271		27.32		
100	PI/2 BPSK	135	0		26.89		27.0
100	PI/2 BPSK	135	69		27.32		27.5
100	PI/2 BPSK	135	138		26.84		27.0
100	PI/2 BPSK	270	0		26.93		
100	QPSK	1	1		27.26		27.5
100	QPSK	1	137		27.30		
100	QPSK	1	271		27.31		
100	QPSK	135	0		26.39		27.5
100	QPSK	135	69		27.31		
100	QPSK	135	138		26.33		
100	QPSK	270	0		26.41		26.5
100	16QAM	1	1		26.29		26.5
100	64QAM	1	1		24.66		25.0
100	256QAM	1	1		22.81		23.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	27.25	27.28	27.29	27.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	27.22	27.20	27.22	27.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	27.24	27.25	27.21	27.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	27.21	27.27	27.20	27.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	27.17	27.26	27.26	27.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	27.17	27.24	27.23	27.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	27.15	27.20	27.29	27.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	27.19	27.28	27.22	27.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	27.16	27.22	27.19	27.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	27.23	27.24	27.21	27.5

<FR1 n78_HPUE_Ant MIMO 2_Sensor OFF>

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		27.5
100	PI/2 BPSK	1	137		26.10		
100	PI/2 BPSK	1	271		25.97		
100	PI/2 BPSK	135	0		25.50		27.0
100	PI/2 BPSK	135	69		25.94		27.5
100	PI/2 BPSK	135	138		25.44		27.0
100	PI/2 BPSK	270	0		25.41		
100	QPSK	1	1		26.10		26.5
100	QPSK	1	137		26.11		
100	QPSK	1	271		25.97		
100	QPSK	135	0		25.01		26.5
100	QPSK	135	69		25.90		
100	QPSK	135	138		24.93		
100	QPSK	270	0		24.94		26.5
100	16QAM	1	1		25.22		26.5
100	64QAM	1	1		23.41		25.0
100	256QAM	1	1		21.62		23.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	25.96	26.05	25.95	27.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	26.03	25.98	25.99	27.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	26.05	26.04	26.01	27.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	25.99	26.05	26.01	27.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	25.96	26.05	26.01	27.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.96	25.99	26.05	27.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	25.96	26.01	26.03	27.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	26.03	26.03	26.00	27.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	25.99	26.02	26.04	27.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	26.05	25.95	25.99	27.5

<FR1 n78_HPUE_Ant MIMO 1_Sensor OFF>

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		26.41		27.5
100	PI/2 BPSK	1	137		26.30		
100	PI/2 BPSK	1	271		26.27		
100	PI/2 BPSK	135	0		26.31		27.0
100	PI/2 BPSK	135	69		26.32		27.5
100	PI/2 BPSK	135	138		26.27		27.0
100	PI/2 BPSK	270	0		26.28		
100	QPSK	1	1		26.38		27.5
100	QPSK	1	137		26.34		
100	QPSK	1	271		26.31		
100	QPSK	135	0		26.29		27.5
100	QPSK	135	69		26.25		
100	QPSK	135	138		26.25		
100	QPSK	270	0		26.25		26.5
100	16QAM	1	1		26.28		26.5
100	64QAM	1	1		25.37		25.5
100	256QAM	1	1		23.17		23.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	26.28	26.27	26.30	27.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	26.27	26.26	26.22	27.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	26.28	26.24	26.28	27.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	26.24	26.28	26.22	27.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	26.24	26.26	26.23	27.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	26.23	26.28	26.23	27.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	26.31	26.23	26.26	27.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	26.21	26.26	26.28	27.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	26.26	26.31	26.25	27.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	26.22	26.31	26.25	27.5

<FR1 n78_HPUE_Ant Aux_Sensor OFF>

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		26.03		27.5
100	PI/2 BPSK	1	137		25.92		
100	PI/2 BPSK	1	271		26.02		
100	PI/2 BPSK	135	0		25.47		27.0
100	PI/2 BPSK	135	69		25.91		27.5
100	PI/2 BPSK	135	138		25.50		27.0
100	PI/2 BPSK	270	0		25.51		
100	QPSK	1	1		25.82		27.5
100	QPSK	1	137		25.88		
100	QPSK	1	271		25.86		
100	QPSK	135	0		24.99		26.5
100	QPSK	135	69		25.90		27.5
100	QPSK	135	138		25.00		26.5
100	QPSK	270	0		24.99		
100	16QAM	1	1		24.94		26.5
100	64QAM	1	1		23.45		25.0
100	256QAM	1	1		21.63		23.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	25.96	25.97	25.96	27.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	25.88	25.94	25.95	27.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.91	25.88	25.92	27.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	25.91	25.96	25.91	27.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	25.94	25.92	25.93	27.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.93	25.94	25.94	27.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	25.92	25.92	25.87	27.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	25.87	25.93	25.87	27.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	25.94	25.87	25.95	27.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	25.91	25.95	25.89	27.5

<FR1 n78_HPUE_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.26		18.0
100	PI/2 BPSK	1	137		17.22		
100	PI/2 BPSK	1	271		17.18		
100	PI/2 BPSK	135	0		17.17		18.0
100	PI/2 BPSK	135	69		17.19		18.0
100	PI/2 BPSK	135	138		17.05		18.0
100	PI/2 BPSK	270	0		17.12		
100	QPSK	1	1		17.24		18.0
100	QPSK	1	137		17.18		
100	QPSK	1	271		17.19		
100	QPSK	135	0		17.15		18.0
100	QPSK	135	69		17.16		
100	QPSK	135	138		17.08		
100	QPSK	270	0		17.17		18.0
100	16QAM	1	1		17.14		18.0
100	64QAM	1	1		17.25		18.0
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	17.13	17.19	17.12	18.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	17.15	17.20	17.13	18.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	17.16	17.11	17.16	18.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	17.13	17.17	17.12	18.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	17.12	17.17	17.20	18.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	17.12	17.11	17.19	18.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	17.20	17.15	17.11	18.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	17.11	17.12	17.12	18.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	17.12	17.18	17.17	18.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	17.18	17.11	17.18	18.0

<FR1 n78_HPUE_Ant MIMO 2_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.88		17.5
100	PI/2 BPSK	1	137		16.84		
100	PI/2 BPSK	1	271		16.87		
100	PI/2 BPSK	135	0		16.75		17.5
100	PI/2 BPSK	135	69		16.80		17.5
100	PI/2 BPSK	135	138		16.81		17.5
100	PI/2 BPSK	270	0		16.74		
100	QPSK	1	1		16.76		17.5
100	QPSK	1	137		16.86		
100	QPSK	1	271		16.86		
100	QPSK	135	0		16.74		17.5
100	QPSK	135	69		16.84		
100	QPSK	135	138		16.73		
100	QPSK	270	0		16.85		17.5
100	16QAM	1	1		16.52		17.5
100	64QAM	1	1		16.87		17.5
100	256QAM	1	1		16.73		17.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	16.85	16.87	16.82	17.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	16.73	16.76	16.72	17.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	16.70	16.70	16.67	17.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	16.65	16.73	16.67	17.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	16.70	16.69	16.65	17.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	16.68	16.75	16.71	17.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	16.65	16.74	16.67	17.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	16.68	16.74	16.67	17.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	16.67	16.72	16.63	17.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	16.66	16.70	16.68	17.5

<FR1 n78_HPUE_Ant MIMO 1_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		11.14		12.0
100	PI/2 BPSK	1	137		11.09		
100	PI/2 BPSK	1	271		11.10		
100	PI/2 BPSK	135	0		11.08		12.0
100	PI/2 BPSK	135	69		11.09		12.0
100	PI/2 BPSK	135	138		11.08		12.0
100	PI/2 BPSK	270	0		11.08		
100	QPSK	1	1		11.09		12.0
100	QPSK	1	137		11.06		
100	QPSK	1	271		11.12		
100	QPSK	135	0		11.05		12.0
100	QPSK	135	69		11.07		
100	QPSK	135	138		11.08		
100	QPSK	270	0		11.07		12.0
100	16QAM	1	1		10.80		12.0
100	64QAM	1	1		11.10		12.0
100	256QAM	1	1		10.79		12.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	11.10	11.12	11.08	12.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	10.99	11.01	10.96	12.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	10.97	10.99	10.98	12.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	10.98	11.03	10.99	12.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	10.97	11.03	10.99	12.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	11.02	11.02	10.99	12.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	11.00	10.99	10.95	12.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	10.97	11.03	10.99	12.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	11.01	11.03	10.98	12.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	11.02	11.04	10.97	12.0

<FR1 n78_HPUE_Ant Aux_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		19.49		20.5
100	PI/2 BPSK	1	137		19.32		
100	PI/2 BPSK	1	271		19.42		
100	PI/2 BPSK	135	0		19.42		20.5
100	PI/2 BPSK	135	69		19.40		20.5
100	PI/2 BPSK	135	138		19.40		20.5
100	PI/2 BPSK	270	0		19.41		
100	QPSK	1	1		19.40		20.5
100	QPSK	1	137		19.32		
100	QPSK	1	271		19.40		
100	QPSK	135	0		19.40		20.5
100	QPSK	135	69		19.42		20.5
100	QPSK	135	138		19.39		20.5
100	QPSK	270	0		19.30		
100	16QAM	1	1		19.40		20.5
100	64QAM	1	1		19.40		20.5
100	256QAM	1	1		19.36		20.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	19.38	19.43	19.36	20.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	19.39	19.39	19.43	20.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	19.42	19.42	19.43	20.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	19.38	19.40	19.36	20.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	19.42	19.41	19.42	20.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	19.43	19.41	19.36	20.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	19.40	19.41	19.39	20.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	19.37	19.43	19.41	20.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	19.39	19.41	19.36	20.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	19.38	19.43	19.36	20.5

<FR1 n78_Ant Main_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.01		25.0
100	PI/2 BPSK	1	137		23.81		
100	PI/2 BPSK	1	271		23.78		
100	PI/2 BPSK	135	0		23.79		24.5
100	PI/2 BPSK	135	69		23.90		25.0
100	PI/2 BPSK	135	138		23.88		24.5
100	PI/2 BPSK	270	0		23.80		
100	QPSK	1	1		23.83		25.0
100	QPSK	1	137		23.81		
100	QPSK	1	271		23.97		
100	QPSK	135	0		23.78		25.0
100	QPSK	135	69		23.80		
100	QPSK	135	138		23.91		
100	QPSK	270	0		23.80		24.0
100	16QAM	1	1		23.99		24.0
100	64QAM	1	1		22.38		23.0
100	256QAM	1	1		20.30		21.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.77	23.75	23.80	25.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.76	23.74	23.75	25.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.72	23.71	23.76	25.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.73	23.73	23.80	25.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.67	23.75	23.74	25.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.76	23.74	23.70	25.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.73	23.67	23.74	25.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.77	23.71	23.76	25.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.73	23.72	23.79	25.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.73	23.70	23.80	25.0

<FR1 n78_Ant MIMO 2_Sensor OFF>

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		23.51		25.0
100	PI/2 BPSK	1	137		23.34		
100	PI/2 BPSK	1	271		23.26		
100	PI/2 BPSK	135	0		22.95		24.5
100	PI/2 BPSK	135	69		23.31		25.0
100	PI/2 BPSK	135	138		22.70		24.5
100	PI/2 BPSK	270	0		22.79		
100	QPSK	1	1		23.44		24.0
100	QPSK	1	137		23.38		
100	QPSK	1	271		23.41		
100	QPSK	135	0		22.30		24.0
100	QPSK	135	69		23.31		
100	QPSK	135	138		22.17		
100	QPSK	270	0		22.30		24.0
100	16QAM	1	1		22.13		24.0
100	64QAM	1	1		20.87		22.5
100	256QAM	1	1		18.59		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.39	23.42	23.40	25.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.38	23.42	23.43	25.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.42	23.40	23.44	25.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.38	23.40	23.44	25.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.40	23.43	23.47	25.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.37	23.41	23.47	25.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.38	23.41	23.49	25.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.37	23.42	23.49	25.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.40	23.41	23.48	25.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.42	23.42	23.44	25.0

<FR1 n78_Ant MIMO 1_Sensor OFF>

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		23.92		25.0
100	PI/2 BPSK	1	137		23.87		
100	PI/2 BPSK	1	271		23.91		
100	PI/2 BPSK	135	0		23.77		24.5
100	PI/2 BPSK	135	69		23.86		25.0
100	PI/2 BPSK	135	138		23.84		24.5
100	PI/2 BPSK	270	0		23.85		
100	QPSK	1	1		23.65		25.0
100	QPSK	1	137		23.86		
100	QPSK	1	271		23.89		
100	QPSK	135	0		23.73		25.0
100	QPSK	135	69		23.85		
100	QPSK	135	138		23.91		
100	QPSK	270	0		23.87		24.0
100	16QAM	1	1		23.70		24.0
100	64QAM	1	1		22.33		23.0
100	256QAM	1	1		20.25		21.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.59	23.57	23.59	25.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.56	23.53	23.54	25.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.57	23.53	23.53	25.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.59	23.58	23.61	25.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.62	23.56	23.62	25.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.60	23.53	23.62	25.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.59	23.54	23.53	25.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.59	23.56	23.54	25.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.52	23.59	23.62	25.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.56	23.56	23.52	25.0

<FR1 n78_Ant Aux_Sensor OFF>

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		23.90		25.0
100	PI/2 BPSK	1	137		23.87		
100	PI/2 BPSK	1	271		23.82		
100	PI/2 BPSK	135	0		23.21		24.5
100	PI/2 BPSK	135	69		23.80		25.0
100	PI/2 BPSK	135	138		23.26		24.5
100	PI/2 BPSK	270	0		23.31		
100	QPSK	1	1		23.88		25.0
100	QPSK	1	137		23.77		
100	QPSK	1	271		23.84		
100	QPSK	135	0		22.79		24.0
100	QPSK	135	69		23.78		25.0
100	QPSK	135	138		22.78		24.0
100	QPSK	270	0		22.74		
100	16QAM	1	1		22.88		24.0
100	64QAM	1	1		21.61		22.5
100	256QAM	1	1		19.27		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.76	23.80	23.75	25.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.69	23.77	23.73	25.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.69	23.72	23.68	25.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.69	23.77	23.75	25.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.67	23.70	23.74	25.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.66	23.72	23.75	25.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.69	23.74	23.71	25.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.66	23.73	23.68	25.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.69	23.72	23.70	25.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.66	23.74	23.65	25.0

<FR1 n78_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.24		15.0
100	PI/2 BPSK	1	137		14.21		
100	PI/2 BPSK	1	271		14.23		
100	PI/2 BPSK	135	0		14.16		15.0
100	PI/2 BPSK	135	69		14.17		15.0
100	PI/2 BPSK	135	138		14.14		15.0
100	PI/2 BPSK	270	0		14.12		
100	QPSK	1	1		14.18		15.0
100	QPSK	1	137		14.16		
100	QPSK	1	271		14.14		
100	QPSK	135	0		14.13		15.0
100	QPSK	135	69		14.11		
100	QPSK	135	138		14.17		
100	QPSK	270	0		14.16		15.0
100	16QAM	1	1		14.03		15.0
100	64QAM	1	1		14.23		15.0
100	256QAM	1	1		13.83		15.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	14.15	14.12	14.13	15.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	14.13	14.12	14.15	15.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	14.15	14.16	14.19	15.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	14.17	14.17	14.16	15.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	14.17	14.15	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	14.18	14.15	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	14.12	14.15	14.16	15.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	14.14	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	14.18	14.16	14.12	15.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	14.16	14.18	14.18	15.0

<FR1 n78_Ant MIMO 2_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.08		14.5
100	PI/2 BPSK	1	137		13.94		
100	PI/2 BPSK	1	271		13.87		
100	PI/2 BPSK	135	0		13.99		14.5
100	PI/2 BPSK	135	69		14.00		14.5
100	PI/2 BPSK	135	138		13.86		14.5
100	PI/2 BPSK	270	0		13.97		
100	QPSK	1	1		14.05		14.5
100	QPSK	1	137		13.98		
100	QPSK	1	271		13.89		
100	QPSK	135	0		13.97		14.5
100	QPSK	135	69		13.83		
100	QPSK	135	138		13.88		
100	QPSK	270	0		13.86		14.5
100	16QAM	1	1		14.06		14.5
100	64QAM	1	1		14.03		14.5
100	256QAM	1	1		13.61		14.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	14.05	14.07	14.06	14.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	13.95	13.96	13.96	14.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	13.94	13.87	13.86	14.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	13.94	13.95	13.94	14.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	13.90	13.93	13.93	14.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	13.91	13.90	13.93	14.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	13.87	13.92	13.91	14.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	13.91	13.93	13.87	14.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	13.87	13.93	13.86	14.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	13.92	13.96	13.93	14.5

<FR1 n78_Ant MIMO 1_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		8.02		9.0
100	PI/2 BPSK	1	137		7.92		
100	PI/2 BPSK	1	271		7.99		
100	PI/2 BPSK	135	0		7.94		9.0
100	PI/2 BPSK	135	69		7.98		9.0
100	PI/2 BPSK	135	138		7.98		9.0
100	PI/2 BPSK	270	0		7.97		
100	QPSK	1	1		7.95		9.0
100	QPSK	1	137		7.90		
100	QPSK	1	271		8.01		
100	QPSK	135	0		7.95		9.0
100	QPSK	135	69		7.92		
100	QPSK	135	138		7.99		
100	QPSK	270	0		7.98		9.0
100	16QAM	1	1		7.94		9.0
100	64QAM	1	1		7.98		9.0
100	256QAM	1	1		7.74		9.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	7.97	8.01	7.95	9.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	7.83	7.92	7.86	9.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	7.81	7.89	7.79	9.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	7.85	7.92	7.84	9.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	7.86	7.85	7.86	9.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	7.83	7.85	7.80	9.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	7.83	7.88	7.86	9.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	7.83	7.87	7.79	9.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	7.87	7.90	7.84	9.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	7.82	7.90	7.84	9.0

<FR1 n78_Ant Aux_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.97		17.5
100	PI/2 BPSK	1	137		16.91		
100	PI/2 BPSK	1	271		16.89		
100	PI/2 BPSK	135	0		16.92		17.5
100	PI/2 BPSK	135	69		16.93		17.5
100	PI/2 BPSK	135	138		16.95		17.5
100	PI/2 BPSK	270	0		16.94		
100	QPSK	1	1		16.92		17.5
100	QPSK	1	137		16.94		
100	QPSK	1	271		16.90		
100	QPSK	135	0		16.90		17.5
100	QPSK	135	69		16.87		17.5
100	QPSK	135	138		16.92		17.5
100	QPSK	270	0		16.88		
100	16QAM	1	1		16.96		17.5
100	64QAM	1	1		16.88		17.5
100	256QAM	1	1		16.93		17.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	16.84	16.91	16.83	17.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.85	16.89	16.89	17.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.83	16.86	16.88	17.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.85	16.83	16.90	17.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.90	16.89	16.84	17.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.91	16.84	16.90	17.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.89	16.90	16.85	17.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.84	16.85	16.88	17.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	16.91	16.88	16.85	17.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.88	16.87	16.88	17.5

<FR1 n78_HPUE_Ant Main_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.10		27.5
100	PI/2 BPSK	1	137		25.95		
100	PI/2 BPSK	1	271		25.88		
100	PI/2 BPSK	135	0		25.88		27.0
100	PI/2 BPSK	135	69		26.00		27.5
100	PI/2 BPSK	135	138		25.92		27.0
100	PI/2 BPSK	270	0		25.90		
100	QPSK	1	1		25.84		27.5
100	QPSK	1	137		25.93		
100	QPSK	1	271		26.04		
100	QPSK	135	0		25.88		27.5
100	QPSK	135	69		25.89		
100	QPSK	135	138		25.95		
100	QPSK	270	0		25.90		26.5
100	16QAM	1	1		25.89		26.5
100	64QAM	1	1		24.81		25.5
100	256QAM	1	1		22.63		23.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.88	25.90	25.89	27.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.81	25.87	25.84	27.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.81	25.81	25.82	27.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.85	25.89	25.84	27.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.84	25.87	25.81	27.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.87	25.85	25.83	27.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.79	25.81	25.87	27.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.79	25.83	25.80	27.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.79	25.88	25.80	27.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.86	25.86	25.86	27.5

<FR1 n78_HPUE_Ant MIMO 2_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.17		27.5
100	PI/2 BPSK	1	137		26.02		
100	PI/2 BPSK	1	271		25.96		
100	PI/2 BPSK	135	0		25.56		27.0
100	PI/2 BPSK	135	69		26.03		27.5
100	PI/2 BPSK	135	138		25.46		27.0
100	PI/2 BPSK	270	0		25.58		
100	QPSK	1	1		26.05		26.5
100	QPSK	1	137		26.08		
100	QPSK	1	271		25.94		
100	QPSK	135	0		25.16		26.5
100	QPSK	135	69		26.06		
100	QPSK	135	138		24.95		
100	QPSK	270	0		25.05		26.5
100	16QAM	1	1		24.81		26.5
100	64QAM	1	1		23.65		25.0
100	256QAM	1	1		21.64		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.98	26.00	26.06	27.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.97	25.98	26.06	27.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.05	26.06	25.99	27.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.97	26.04	26.01	27.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.02	25.97	26.03	27.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.98	26.00	25.97	27.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.00	26.03	25.98	27.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.97	26.05	25.98	27.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.01	26.06	26.07	27.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.03	26.01	26.04	27.5

<FR1 n78_HPUE_Ant MIMO 1_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.03		27.5
100	PI/2 BPSK	1	137		26.01		
100	PI/2 BPSK	1	271		26.02		
100	PI/2 BPSK	135	0		25.90		27.0
100	PI/2 BPSK	135	69		25.96		27.5
100	PI/2 BPSK	135	138		25.94		27.0
100	PI/2 BPSK	270	0		25.93		
100	QPSK	1	1		25.81		27.5
100	QPSK	1	137		25.99		
100	QPSK	1	271		26.02		
100	QPSK	135	0		25.92		27.5
100	QPSK	135	69		25.91		
100	QPSK	135	138		25.93		
100	QPSK	270	0		25.93		26.5
100	16QAM	1	1		25.93		26.5
100	64QAM	1	1		24.96		25.5
100	256QAM	1	1		23.19		23.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.69	25.63	25.68	27.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.67	25.63	25.65	27.5
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	25.69	27.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.65	25.65	25.65	27.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.63	25.69	25.66	27.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.63	25.68	25.68	27.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.67	25.72	25.71	27.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.67	25.68	25.63	27.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.64	25.68	25.66	27.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.66	25.71	25.68	27.5

<FR1 n78_HPUE_Ant Aux_Sensor OFF>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.24		27.5
100	PI/2 BPSK	1	137		26.15		
100	PI/2 BPSK	1	271		26.06		
100	PI/2 BPSK	135	0		25.81		27.0
100	PI/2 BPSK	135	69		26.16		27.5
100	PI/2 BPSK	135	138		25.67		27.0
100	PI/2 BPSK	270	0		25.74		
100	QPSK	1	1		26.04		27.5
100	QPSK	1	137		26.03		
100	QPSK	1	271		25.89		
100	QPSK	135	0		25.31		26.5
100	QPSK	135	69		26.13		27.5
100	QPSK	135	138		25.14		26.5
100	QPSK	270	0		25.26		
100	16QAM	1	1		25.23		26.5
100	64QAM	1	1		23.68		25.0
100	256QAM	1	1		21.97		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.18	26.23	26.14	27.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.13	26.16	26.11	27.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.18	26.16	26.14	27.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	26.14	26.21	26.13	27.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.08	26.14	26.07	27.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.15	26.21	26.05	27.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.17	26.15	26.07	27.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.09	26.16	26.12	27.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.08	26.23	26.08	27.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.11	26.20	26.09	27.5

<FR1 n78_HPUE_Ant Main_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.28		18.0
100	PI/2 BPSK	1	137		17.26		
100	PI/2 BPSK	1	271		17.24		
100	PI/2 BPSK	135	0		17.21		18.0
100	PI/2 BPSK	135	69		17.24		18.0
100	PI/2 BPSK	135	138		17.23		18.0
100	PI/2 BPSK	270	0		17.21		
100	QPSK	1	1		17.19		18.0
100	QPSK	1	137		17.15		
100	QPSK	1	271		17.25		
100	QPSK	135	0		17.23		18.0
100	QPSK	135	69		17.19		
100	QPSK	135	138		17.21		
100	QPSK	270	0		17.26		18.0
100	16QAM	1	1		17.18		18.0
100	64QAM	1	1		17.27		18.0
100	256QAM	1	1		16.90		18.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.20	17.18	17.19	18.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	17.22	17.20	17.17	18.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	17.22	17.19	17.18	18.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	17.21	17.16	17.21	18.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.21	17.19	17.21	18.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	17.18	17.17	17.17	18.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.20	17.21	17.21	18.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.19	17.21	17.16	18.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	17.19	17.19	17.18	18.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	17.22	17.20	17.20	18.0

<FR1 n78_HPUE_Ant MIMO 2_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.11		17.5
100	PI/2 BPSK	1	137		16.99		
100	PI/2 BPSK	1	271		17.01		
100	PI/2 BPSK	135	0		17.05		17.5
100	PI/2 BPSK	135	69		17.09		17.5
100	PI/2 BPSK	135	138		16.94		17.5
100	PI/2 BPSK	270	0		17.04		
100	QPSK	1	1		17.06		17.5
100	QPSK	1	137		16.99		
100	QPSK	1	271		16.98		
100	QPSK	135	0		17.03		17.5
100	QPSK	135	69		17.05		
100	QPSK	135	138		16.94		
100	QPSK	270	0		17.04		17.5
100	16QAM	1	1		17.10		17.5
100	64QAM	1	1		17.11		17.5
100	256QAM	1	1		16.71		17.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.05	17.08	17.04	17.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.90	16.89	16.91	17.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.85	16.91	16.90	17.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.95	16.88	16.88	17.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.85	16.92	16.92	17.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.89	16.98	16.86	17.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.89	16.89	16.90	17.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.85	16.94	16.94	17.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	16.89	16.98	16.88	17.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.89	16.88	16.86	17.5

<FR1 n78_HPUE_Ant MIMO 1_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		11.06		12.0
100	PI/2 BPSK	1	137		11.00		
100	PI/2 BPSK	1	271		11.05		
100	PI/2 BPSK	135	0		10.95		12.0
100	PI/2 BPSK	135	69		10.96		12.0
100	PI/2 BPSK	135	138		10.95		12.0
100	PI/2 BPSK	270	0		10.93		
100	QPSK	1	1		10.93		12.0
100	QPSK	1	137		11.00		
100	QPSK	1	271		11.05		
100	QPSK	135	0		10.94		12.0
100	QPSK	135	69		10.94		
100	QPSK	135	138		11.02		
100	QPSK	270	0		10.93		12.0
100	16QAM	1	1		10.90		12.0
100	64QAM	1	1		11.02		12.0
100	256QAM	1	1		10.71		12.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	11.01	11.05	11.03	12.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	10.91	10.97	10.89	12.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	10.87	10.95	10.91	12.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	10.91	10.97	10.90	12.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	10.91	10.96	10.95	12.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	10.92	10.93	10.95	12.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	10.91	10.97	10.94	12.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	10.91	10.91	10.89	12.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	10.90	10.91	10.91	12.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	10.88	10.93	10.90	12.0

<FR1 n78_HPUE_Ant Aux_Sensor ON>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.90		20.5
100	PI/2 BPSK	1	137		19.86		
100	PI/2 BPSK	1	271		19.84		
100	PI/2 BPSK	135	0		19.83		20.5
100	PI/2 BPSK	135	69		19.87		20.5
100	PI/2 BPSK	135	138		19.89		20.5
100	PI/2 BPSK	270	0		19.88		
100	QPSK	1	1		19.88		20.5
100	QPSK	1	137		19.85		
100	QPSK	1	271		19.86		
100	QPSK	135	0		19.82		20.5
100	QPSK	135	69		19.81		20.5
100	QPSK	135	138		19.86		20.5
100	QPSK	270	0		19.82		
100	16QAM	1	1		19.89		20.5
100	64QAM	1	1		19.80		20.5
100	256QAM	1	1		19.86		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.82	19.78	19.81	20.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.84	19.79	19.78	20.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.81	19.83	19.83	20.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.84	19.79	19.81	20.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.83	19.81	19.80	20.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.83	19.84	19.79	20.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.81	19.81	19.76	20.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.84	19.82	19.81	20.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.79	19.76	19.79	20.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.78	19.77	19.82	20.5

<SAR test exclusion table>

General Note:

1. The below table, when the distance is < 50 mm exclusion threshold is "Ratio", when the distance is > 50 mm exclusion threshold is "mW"
2. Maximum power is the source-based time-average power and represents the maximum RF output power among production units
3. 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.
4. 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.
5. 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*)] ·[√f(GHz)] ≤ 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
6. 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
   a) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)·(f(MHz)/150)] mW, at 100 MHz to 1500 MHz
   b) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)·10] mW at > 1500 MHz and ≤ 6 GHz

<Main Ant>

	Wireless Interface	WCDMA Band V	WCDMA Band IV	WCDMA Band II	LTE Band 71/n71	LTE Band 12/17/ n12/n17	LTE Band 13/n13	LTE Band 14/n14	LTE Band 5/26/ n5/n26	LTE Band 4/66/ n4/n66	LTE Band 2/5/n2/n25	LTE Band 30/n30	LTE Band 7/n7	LTE Band 38/41/ n38/n41	LTE Band 42	LTE Band 48/n48	LTE Band n77	LTE Band n78
Exposure Position	Calculated Frequency (MHz)	846	1750	1907	695	715	784	795	848	1779	1914	2312	2567	2690	3550	3700	3980	3800
	Maximum power (dBm)	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	23.0	25.0	27.5	22.0	22.0	27.5	27.5
	Maximum rated power(mW)	316.23	316.23	316.23	316.23	316.23	316.23	316.23	316.23	316.23	316.23	199.53	316.23	562.34	158.49	158.49	562.34	562.34
Bottom of Laptop	Separation distance(mm)	5.0																
	exclusion threshold	58.2	83.7	87.3	52.7	53.5	56.0	56.4	58.2	84.4	87.5	60.7	101.3	184.5	59.7	61.0	224.4	219.2
	Testing required?	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**

<Aux Ant>

	Wireless Interface	FR1 Band n38/n41	FR1 Band n48	FR1 Band n77	FR1 Band n78
Exposure Position	Calculated Frequency (MHz)	2690	3700	3980	3800
	Maximum power (dBm)	27.5	22.0	27.5	27.5
	Maximum rated power(mW)	562.34	158.49	562.34	562.34
Bottom of Laptop	Separation distance(mm)	5.0			
	exclusion threshold	184.5	61.0	224.4	219.2
	Testing required?	**Yes**	**Yes**	**Yes**	**Yes**

<MIMO 1 Ant>

	Wireless Interface	FR1 Band n38/n41	FR1 Band n48	FR1 Band n77	FR1 Band n78
Exposure Position	Calculated Frequency (MHz)	2690	3700	3980	3800
	Maximum power (dBm)	27.5	22.0	27.5	27.5
	Maximum rated power(mW)	562.34	158.49	562.34	562.34
Bottom of Laptop	Separation distance(mm)	5.0			
	exclusion threshold	184.5	61.0	224.4	219.2
	Testing required?	**Yes**	**Yes**	**Yes**	**Yes**

<MIMO 2 Ant>

	Wireless Interface	LTE Band 4/66/n4/n66	LTE Band 2/25/n2/n25	LTE Band 30/n30	LTE Band 7/n7	LTE Band 38/41/n38/n41	LTE Band 42	LTE Band 43	LTE Band 48/n48	LTE Band n77	LTE Band n78
Exposure Position	Calculated Frequency (MHz)	1779	1914	2312	2567	2690	3550	3800	3700	3980	3800
	Maximum power (dBm)	24.0	24.0	23.0	24.0	27.5	22.0	22.0	22.0	27.5	27.5
	Maximum rated power(mW)	251.19	251.19	199.53	251.19	562.34	158.49	158.49	158.49	562.34	562.34
Bottom of Laptop	Separation distance(mm)	5.0									
	exclusion threshold	67.0	69.5	60.7	80.5	184.5	59.7	61.8	61.0	224.4	219.2
	Testing required?	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**

13. 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 ≥0.8W/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 ≤ ¼ 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 ¼ 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 ½ 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 ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; 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 ≤ 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 ½ dB higher than the same configuration in PI/2 BPSK, also reported SAR for the PI/2 BPSK configuration is less than 1.45 W/kg, QPSK/16QAM/64QAM/256QAM SAR testing are not required.
   d. Smaller bandwidth output power for each RB allocation configuration for this device is not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
   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.
   g. For NR FDD was establishing connections via a base station simulator to use for output power measurement and SAR testing
   h. 5G FR1 n2/5/38/78 SAR test was covered by 5G FR1 n25/26/41/77; due to the maximum output power, including tolerance, for the smaller band is ≤ the larger band, and the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band.

13.1 Body SAR

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Sample	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 Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	9400	1880	Sample 1	18.42	18.50	1.019	-0.05	0.903	0.920
	WCDMA II_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	9262	1852.4	Sample 1	18.39	18.50	1.026	0.18	0.940	0.964
	WCDMA II_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	9538	1907.6	Sample 1	18.36	18.50	1.033	0.14	0.956	0.987
	WCDMA II_Ant Main	RMC 12.2Kbps	Bottom of Laptop	24mm	Main	OFF	9400	1880	Sample 1	23.75	25.00	1.334	0.17	0.153	0.204
	WCDMA II_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	9538	1907.6	Sample 2	18.36	18.50	1.033	-0.17	1.070	1.105
	WCDMA II_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	9262	1852.4	Sample 2	18.39	18.50	1.026	0.1	1.030	1.056
	WCDMA II_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	9400	1880	Sample 2	18.42	18.50	1.019	0.01	1.130	1.151
01	WCDMA II_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	9538	1907.6	Sample 3	18.36	18.50	1.033	-0.09	1.140	1.177
	WCDMA II_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	9262	1852.4	Sample 3	18.39	18.50	1.026	-0.01	1.020	1.046
	WCDMA II_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	9400	1880	Sample 3	18.42	18.50	1.019	0.04	1.060	1.080
	WCDMA II_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	9538	1907.6	Sample 4	18.36	18.50	1.033	0.06	1.040	1.074
	WCDMA II_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	9262	1852.4	Sample 4	18.39	18.50	1.026	0.05	0.977	1.002
	WCDMA II_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	9400	1880	Sample 4	18.42	18.50	1.019	-0.08	1.030	1.049
	WCDMA IV_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	1413	1732.6	Sample 1	17.98	18.50	1.127	0.08	0.756	0.852
	WCDMA IV_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	1312	1712.4	Sample 1	17.79	18.50	1.178	0.01	0.744	0.876
	WCDMA IV_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	1513	1752.6	Sample 1	17.86	18.50	1.159	0.03	0.679	0.787
	WCDMA IV_Ant Main	RMC 12.2Kbps	Bottom of Laptop	24mm	Main	OFF	1413	1732.6	Sample 1	23.85	25.00	1.303	-0.08	0.297	0.387
	WCDMA IV_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	1312	1712.4	Sample 2	17.79	18.50	1.178	0.1	0.766	0.902
	WCDMA IV_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	1413	1732.6	Sample 2	17.98	18.50	1.127	-0.18	0.735	0.828
	WCDMA IV_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	1513	1752.6	Sample 2	17.86	18.50	1.159	0.12	0.691	0.801
02	WCDMA IV_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	1312	1712.4	Sample 3	17.79	18.50	1.178	-0.13	0.936	1.102
	WCDMA IV_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	1413	1732.6	Sample 3	17.98	18.50	1.127	0.08	0.849	0.957
	WCDMA IV_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	1513	1752.6	Sample 3	17.86	18.50	1.159	-0.17	0.802	0.929
	WCDMA IV_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	1312	1712.4	Sample 4	17.79	18.50	1.178	-0.03	0.626	0.737
	WCDMA V_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	4182	836.4	Sample 1	23.10	24.00	1.230	0.12	0.776	0.955
	WCDMA V_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	4132	826.4	Sample 1	22.96	24.00	1.271	0.03	0.757	0.962
	WCDMA V_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	4233	846.6	Sample 1	23.08	24.00	1.236	0.18	0.837	1.034
	WCDMA V_Ant Main	RMC 12.2Kbps	Bottom of Laptop	24mm	Main	OFF	4182	836.4	Sample 1	24.23	25.00	1.194	0.03	0.088	0.105
	WCDMA V_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	4233	846.6	Sample 2	23.08	24.00	1.236	0.07	0.906	1.120
03	WCDMA V_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	4132	826.4	Sample 2	22.96	24.00	1.271	0.02	0.891	1.132
	WCDMA V_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	4182	836.4	Sample 2	23.10	24.00	1.230	-0.1	0.883	1.086
	WCDMA V_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	4233	846.6	Sample 3	23.08	24.00	1.236	0.01	0.725	0.896
	WCDMA V_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	4132	826.4	Sample 3	22.96	24.00	1.271	-0.1	0.757	0.962
	WCDMA V_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	4182	836.4	Sample 3	23.10	24.00	1.230	0.18	0.747	0.919
	WCDMA V_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	4233	846.6	Sample 4	23.08	24.00	1.236	0.07	0.724	0.895
	WCDMA V_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	4132	826.4	Sample 4	22.96	24.00	1.271	0.19	0.749	0.952
	WCDMA V_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	4182	836.4	Sample 4	23.10	24.00	1.230	-0.15	0.727	0.894

<LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Sample	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 Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	21100	2535	Sample 1	14.35	15.00	1.161	-0.17	0.240	0.279
	LTE Band 7_Ant Main	20M	QPSK	50	0	Bottom of Laptop	0mm	Main	ON	21100	2535	Sample 1	13.37	14.00	1.156	0.11	0.197	0.228
	LTE Band 7_Ant Main	20M	QPSK	1	0	Bottom of Laptop	24mm	Main	OFF	21100	2535	Sample 1	23.66	25.00	1.361	0.14	0.204	0.278
	LTE Band 7_Ant Main	20M	QPSK	50	0	Bottom of Laptop	24mm	Main	OFF	21100	2535	Sample 1	22.78	24.00	1.324	0.11	0.163	0.216
	LTE Band 7_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	21100	2535	Sample 2	14.35	15.00	1.161	0.14	0.210	0.244
	LTE Band 7_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	21100	2535	Sample 3	14.35	15.00	1.161	-0.05	0.233	0.271
	LTE Band 7_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	21100	2535	Sample 4	14.35	15.00	1.161	0	0.332	0.386
	LTE Band 7C_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	21100+20902	2535	Sample 4	14.25	15.00	1.189	0.06	0.208	0.247
	LTE Band 7_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	21100	2535	Sample 1	16.27	17.00	1.183	0.15	0.741	0.877
	LTE Band 7_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	20850	2510	Sample 1	16.12	17.00	1.225	-0.09	0.715	0.876
	LTE Band 7_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	21350	2560	Sample 1	16.25	17.00	1.189	0.11	0.702	0.834
	LTE Band 7_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	0mm	MIMO2	ON	21100	2535	Sample 1	16.07	17.00	1.239	-0.05	0.654	0.810
	LTE Band 7_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	0mm	MIMO2	ON	20850	2510	Sample 1	15.99	17.00	1.262	-0.08	0.633	0.799
	LTE Band 7_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	0mm	MIMO2	ON	21350	2560	Sample 1	16.04	17.00	1.247	0.16	0.629	0.785
	LTE Band 7_Ant MIMO 2	20M	QPSK	100	0	Bottom of Laptop	0mm	MIMO2	ON	21100	2535	Sample 1	16.04	17.00	1.247	0.05	0.644	0.803
	LTE Band 7_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	16mm	MIMO2	OFF	21100	2535	Sample 1	22.66	24.00	1.361	-0.15	0.321	0.437
	LTE Band 7_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	16mm	MIMO2	OFF	21100	2535	Sample 1	21.68	23.00	1.355	0.02	0.244	0.331
	LTE Band 7_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	21100	2535	Sample 2	16.27	17.00	1.183	0.13	0.485	0.574
	LTE Band 7_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	21100	2535	Sample 3	16.27	17.00	1.183	0.16	0.594	0.703
	LTE Band 7_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	21100	2535	Sample 4	16.27	17.00	1.183	0	0.853	1.009
	LTE Band 7_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	20850	2510	Sample 4	16.12	17.00	1.225	0.01	0.771	0.944
04	LTE Band 7_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	21350	2560	Sample 4	16.25	17.00	1.189	0.03	0.885	1.052
	LTE Band 12_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	23095	707.5	Sample 1	23.81	24.00	1.045	-0.08	1.040	1.087
	LTE Band 12_Ant Main	10M	QPSK	25	0	Bottom of Laptop	0mm	Main	ON	23095	707.5	Sample 1	22.87	23.00	1.030	0.1	0.832	0.857
	LTE Band 12_Ant Main	10M	QPSK	50	0	Bottom of Laptop	0mm	Main	ON	23095	707.5	Sample 1	22.85	23.00	1.035	-0.18	0.811	0.840
	LTE Band 12_Ant Main	10M	QPSK	1	0	Bottom of Laptop	24mm	Main	OFF	23095	707.5	Sample 1	23.81	25.00	1.315	0.05	0.089	0.117
	LTE Band 12_Ant Main	10M	QPSK	25	0	Bottom of Laptop	24mm	Main	OFF	23095	707.5	Sample 1	22.87	24.00	1.297	0.09	0.073	0.095
	LTE Band 12_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	23095	707.5	Sample 2	23.81	24.00	1.045	0.12	0.868	0.907
	LTE Band 12_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	23095	707.5	Sample 3	23.81	24.00	1.045	0.08	1.100	1.149
05	LTE Band 12_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	23095	707.5	Sample 4	23.81	24.00	1.045	-0.07	1.120	1.170
	LTE Band 13_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	23230	782	Sample 1	22.79	23.50	1.178	-0.01	0.868	1.022
	LTE Band 13_Ant Main	10M	QPSK	25	0	Bottom of Laptop	0mm	Main	ON	23230	782	Sample 1	21.89	22.50	1.151	-0.06	0.694	0.799
	LTE Band 13_Ant Main	10M	QPSK	50	0	Bottom of Laptop	0mm	Main	ON	23230	782	Sample 1	21.86	22.50	1.159	-0.04	0.688	0.797
	LTE Band 13_Ant Main	10M	QPSK	1	0	Bottom of Laptop	24mm	Main	OFF	23230	782	Sample 1	23.73	25.00	1.340	0.18	0.088	0.118
	LTE Band 13_Ant Main	10M	QPSK	25	0	Bottom of Laptop	24mm	Main	OFF	23230	782	Sample 1	22.79	24.00	1.321	-0.17	0.063	0.083
	LTE Band 13_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	23230	782	Sample 2	22.79	23.50	1.178	0	0.814	0.959
	LTE Band 13_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	23230	782	Sample 3	22.79	23.50	1.178	-0.13	0.817	0.962
06	LTE Band 13_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	23230	782	Sample 4	22.79	23.50	1.178	0.01	0.968	1.140
	LTE Band 14_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	23330	793	Sample 1	22.95	23.50	1.135	-0.14	0.875	0.993
	LTE Band 14_Ant Main	10M	QPSK	25	0	Bottom of Laptop	0mm	Main	ON	23330	793	Sample 1	21.86	22.50	1.159	-0.19	0.700	0.811
	LTE Band 14_Ant Main	10M	QPSK	50	0	Bottom of Laptop	0mm	Main	ON	23330	793	Sample 1	21.78	22.50	1.180	0.01	0.688	0.812
	LTE Band 14_Ant Main	10M	QPSK	1	0	Bottom of Laptop	24mm	Main	OFF	23330	793	Sample 1	23.86	25.00	1.300	-0.16	0.087	0.113
	LTE Band 14_Ant Main	10M	QPSK	25	0	Bottom of Laptop	24mm	Main	OFF	23330	793	Sample 1	22.85	24.00	1.303	-0.12	0.073	0.095
	LTE Band 14_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	23330	793	Sample 2	22.95	23.50	1.135	-0.05	0.855	0.970
	LTE Band 14_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	23330	793	Sample 3	22.95	23.50	1.135	-0.13	0.804	0.913
07	LTE Band 14_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	23330	793	Sample 4	22.95	23.50	1.135	0.02	0.961	1.091
	LTE Band 25_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	26340	1880	Sample 1	17.94	18.50	1.138	-0.09	0.978	1.113
	LTE Band 25_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	26590	1905	Sample 1	17.84	18.50	1.164	-0.08	1.000	1.164
	LTE Band 25_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	26140	1860	Sample 1	17.91	18.50	1.146	0.13	0.961	1.101
	LTE Band 25_Ant Main	20M	QPSK	50	0	Bottom of Laptop	0mm	Main	ON	26340	1880	Sample 1	16.98	17.50	1.127	0.12	0.781	0.880
	LTE Band 25_Ant Main	20M	QPSK	50	0	Bottom of Laptop	0mm	Main	ON	26590	1905	Sample 1	16.93	17.50	1.140	0.03	0.804	0.917
	LTE Band 25_Ant Main	20M	QPSK	50	0	Bottom of Laptop	0mm	Main	ON	26140	1860	Sample 1	16.94	17.50	1.138	0.18	0.770	0.876
	LTE Band 25_Ant Main	20M	QPSK	100	0	Bottom of Laptop	0mm	Main	ON	26340	1880	Sample 1	16.97	17.50	1.130	0.16	0.753	0.851
	LTE Band 25_Ant Main	20M	QPSK	1	0	Bottom of Laptop	24mm	Main	OFF	26340	1880	Sample 1	23.27	25.00	1.489	0.18	0.150	0.223
	LTE Band 25_Ant Main	20M	QPSK	50	0	Bottom of Laptop	24mm	Main	OFF	26340	1880	Sample 1	22.36	24.00	1.459	-0.1	0.112	0.163
	LTE Band 25_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	26590	1905	Sample 2	17.84	18.50	1.164	0.07	1.010	1.176
	LTE Band 25_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	26140	1860	Sample 2	17.91	18.50	1.146	-0.18	0.969	1.110
	LTE Band 25_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	26340	1880	Sample 2	17.94	18.50	1.138	0.19	1.010	1.149
08	LTE Band 25_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	26590	1905	Sample 3	17.84	18.50	1.164	-0.15	1.020	1.187

	LTE Band 25_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	26140	1860	Sample 3	17.91	18.50	1.146	-0.15	0.916	1.049
	LTE Band 25_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	26340	1880	Sample 3	17.94	18.50	1.138	0.03	0.941	1.071
	LTE Band 2C_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	18900+18702	1880	Sample 3	18.15	18.50	1.084	0.03	0.888	0.963
	LTE Band 2C_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	18700+18898	1860	Sample 3	18.12	18.50	1.091	-0.05	0.852	0.930
	LTE Band 2C_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	19100+18902	1900	Sample 3	18.03	18.50	1.114	0.07	0.833	0.928
	LTE Band 25_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	26590	1905	Sample 4	17.84	18.50	1.164	0.11	1.000	1.164
	LTE Band 25_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	26140	1860	Sample 4	17.91	18.50	1.146	-0.08	0.947	1.085
	LTE Band 25_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	26340	1880	Sample 4	17.94	18.50	1.138	-0.15	0.978	1.113
	LTE Band 25_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	26340	1880	Sample 1	18.19	18.50	1.074	0.14	1.000	1.074
	LTE Band 25_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	26140	1860	Sample 1	18.11	18.50	1.094	-0.15	0.885	0.968
	LTE Band 25_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	26590	1905	Sample 1	18.17	18.50	1.079	0.03	0.834	0.900
	LTE Band 25_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	0mm	MIMO2	ON	26340	1880	Sample 1	18.15	18.50	1.084	-0.13	0.955	1.035
	LTE Band 25_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	0mm	MIMO2	ON	26140	1860	Sample 1	18.07	18.50	1.104	0.16	0.877	0.968
	LTE Band 25_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	0mm	MIMO2	ON	26590	1905	Sample 1	18.13	18.50	1.089	-0.15	0.812	0.884
	LTE Band 25_Ant MIMO 2	20M	QPSK	100	0	Bottom of Laptop	0mm	MIMO2	ON	26340	1880	Sample 1	18.14	18.50	1.086	0.03	0.922	1.002
	LTE Band 25_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	16mm	MIMO2	OFF	26340	1880	Sample 1	22.69	24.00	1.352	0.14	0.312	0.422
	LTE Band 25_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	16mm	MIMO2	OFF	26340	1880	Sample 1	21.78	23.00	1.324	0.1	0.233	0.309
	LTE Band 25_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	26340	1880	Sample 2	18.19	18.50	1.074	-0.09	0.932	1.001
	LTE Band 25_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	26140	1860	Sample 2	18.11	18.50	1.094	-0.16	0.939	1.027
	LTE Band 25_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	26590	1905	Sample 2	18.17	18.50	1.079	-0.18	0.986	1.064
	LTE Band 25_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	26340	1880	Sample 3	18.19	18.50	1.074	-0.07	0.783	0.841
	LTE Band 25_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	26140	1860	Sample 3	18.11	18.50	1.094	0.11	0.736	0.805
	LTE Band 25_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	26590	1905	Sample 3	18.17	18.50	1.079	-0.08	0.776	0.837
	LTE Band 25_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	26340	1880	Sample 4	18.19	18.50	1.074	-0.1	0.986	1.059
	LTE Band 25_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	26140	1860	Sample 4	18.11	18.50	1.094	-0.01	0.949	1.038
	LTE Band 25_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	26590	1905	Sample 4	18.17	18.50	1.079	-0.09	0.980	1.057
	LTE Band 26_Ant Main	15M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	26865	831.5	Sample 1	23.65	24.50	1.216	0.18	0.834	1.014
	LTE Band 26_Ant Main	15M	QPSK	36	0	Bottom of Laptop	0mm	Main	ON	26865	831.5	Sample 1	22.79	23.50	1.178	-0.04	0.715	0.842
	LTE Band 26_Ant Main	15M	QPSK	75	0	Bottom of Laptop	0mm	Main	ON	26865	831.5	Sample 1	22.70	23.50	1.202	-0.08	0.707	0.850
	LTE Band 26_Ant Main	15M	QPSK	1	0	Bottom of Laptop	24mm	Main	OFF	26865	831.5	Sample 1	23.65	25.00	1.365	0.05	0.078	0.106
	LTE Band 26_Ant Main	15M	QPSK	36	0	Bottom of Laptop	24mm	Main	OFF	26865	831.5	Sample 1	22.79	24.00	1.321	0.06	0.065	0.086
09	LTE Band 26_Ant Main	15M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	26865	831.5	Sample 2	23.65	24.50	1.216	0.01	0.946	1.151
	LTE Band 5B_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	20475+20574	831.5	Sample 2	23.09	24.50	1.384	0.06	0.633	0.876
	LTE Band 5B_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	20450+20549	829	Sample 2	23.07	24.50	1.390	-0.08	0.611	0.849
	LTE Band 5B_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	20600+20501	844	Sample 2	23.03	24.50	1.403	-0.03	0.603	0.846
	LTE Band 26_Ant Main	15M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	26865	831.5	Sample 3	23.65	24.50	1.216	-0.13	0.870	1.058
	LTE Band 26_Ant Main	15M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	26865	831.5	Sample 4	23.65	24.50	1.216	-0.13	0.823	1.001
	LTE Band 30_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	27710	2310	Sample 1	15.60	16.00	1.096	-0.01	0.906	0.993
	LTE Band 30_Ant Main	10M	QPSK	25	0	Bottom of Laptop	0mm	Main	ON	27710	2310	Sample 1	14.58	15.00	1.102	-0.08	0.725	0.799
	LTE Band 30_Ant Main	10M	QPSK	50	0	Bottom of Laptop	0mm	Main	ON	27710	2310	Sample 1	14.55	15.00	1.109	-0.05	0.705	0.782
	LTE Band 30_Ant Main	10M	QPSK	1	0	Bottom of Laptop	24mm	Main	OFF	27710	2310	Sample 1	21.63	23.00	1.371	-0.09	0.163	0.223
	LTE Band 30_Ant Main	10M	QPSK	25	0	Bottom of Laptop	24mm	Main	OFF	27710	2310	Sample 1	20.61	22.00	1.377	-0.08	0.141	0.194
	LTE Band 30_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	27710	2310	Sample 2	15.60	16.00	1.096	0.03	0.764	0.838
	LTE Band 30_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	27710	2310	Sample 3	15.60	16.00	1.096	0.02	1.010	1.107
	LTE Band 30_Ant Main	10M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	27710	2310	Sample 4	15.60	16.00	1.096	0.18	0.742	0.814
	LTE Band 30_Ant MIMO 2	10M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	27710	2310	Sample 1	17.17	18.00	1.211	0.08	0.700	0.847
	LTE Band 30_Ant MIMO 2	10M	QPSK	25	0	Bottom of Laptop	0mm	MIMO2	ON	27710	2310	Sample 1	16.97	18.00	1.268	0.16	0.666	0.844
	LTE Band 30_Ant MIMO 2	10M	QPSK	50	0	Bottom of Laptop	0mm	MIMO2	ON	27710	2310	Sample 1	16.96	18.00	1.271	0.11	0.656	0.833
	LTE Band 30_Ant MIMO 2	10M	QPSK	1	0	Bottom of Laptop	16mm	MIMO2	OFF	27710	2310	Sample 1	21.51	23.00	1.409	0.1	0.261	0.368
	LTE Band 30_Ant MIMO 2	10M	QPSK	25	0	Bottom of Laptop	16mm	MIMO2	OFF	27710	2310	Sample 1	20.49	22.00	1.416	-0.04	0.188	0.266
	LTE Band 30_Ant MIMO 2	10M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	27710	2310	Sample 2	17.17	18.00	1.211	-0.11	0.749	0.907
	LTE Band 30_Ant MIMO 2	10M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	27710	2310	Sample 3	17.17	18.00	1.211	-0.06	0.682	0.826
10	LTE Band 30_Ant MIMO 2	10M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	27710	2310	Sample 4	17.17	18.00	1.211	0.05	0.982	1.189

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Sample	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 Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	40185	2549.5	Sample 1	15.65	16.50	1.216	62.9	1.006	0.08	0.488	0.597
	LTE Band 41_Ant Main	20M	QPSK	50	0	Bottom of Laptop	0mm	Main	ON	40185	2549.5	Sample 1	14.73	15.50	1.194	62.9	1.006	-0.18	0.377	0.453
	LTE Band 41_Ant Main	20M	QPSK	1	0	Bottom of Laptop	24mm	Main	OFF	40185	2549.5	Sample 1	23.74	25.00	1.337	62.9	1.006	0.05	0.222	0.299
	LTE Band 41_Ant Main	20M	QPSK	50	0	Bottom of Laptop	24mm	Main	OFF	40185	2549.5	Sample 1	22.81	24.00	1.315	62.9	1.006	-0.07	0.189	0.250
	LTE Band 41_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	40185	2549.5	Sample 2	15.65	16.50	1.216	62.9	1.006	0.14	0.387	0.473
	LTE Band 41_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	40185	2549.5	Sample 3	15.65	16.50	1.216	62.9	1.006	0.17	0.337	0.412
	LTE Band 41_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	40185	2549.5	Sample 4	15.65	16.50	1.216	62.9	1.006	0.03	0.494	0.604
	LTE Band 41_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	39750	2506	Sample 4	15.50	16.50	1.259	62.9	1.006	0.08	0.373	0.472
	LTE Band 41_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	40620	2593	Sample 4	15.62	16.50	1.225	62.9	1.006	0.03	0.397	0.489
	LTE Band 41_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	41055	2636.5	Sample 4	15.64	16.50	1.219	62.9	1.006	-0.08	0.262	0.321
	LTE Band 41_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	41490	2680	Sample 4	15.41	16.50	1.285	62.9	1.006	-0.08	0.256	0.331
	LTE Band 41_HPUE_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	40185	2549.5	Sample 4	17.71	18.50	1.199	42.9	1.009	-0.02	0.492	0.595
	LTE Band 41C_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	40620+40422	2593	Sample 4	15.58	16.50	1.236	62.9	1.006	-0.09	0.244	0.303
	LTE Band 41C_HPUE_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	40620+40422	2593	Sample 4	17.45	18.50	1.274	42.9	1.009	0.13	0.222	0.285
	LTE Band 41_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	40620	2593	Sample 1	17.85	18.50	1.161	62.9	1.006	0.12	0.466	0.544
	LTE Band 41_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	0mm	MIMO2	ON	40620	2593	Sample 1	17.72	18.50	1.197	62.9	1.006	0.18	0.447	0.538
	LTE Band 41_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	16mm	MIMO2	OFF	40620	2593	Sample 1	22.75	24.00	1.334	62.9	1.006	0.05	0.251	0.337
	LTE Band 41_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	16mm	MIMO2	OFF	40620	2593	Sample 1	21.78	23.00	1.324	62.9	1.006	0.04	0.177	0.236
	LTE Band 41_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	40620	2593	Sample 2	17.85	18.50	1.161	62.9	1.006	0.17	0.844	0.986
	LTE Band 41_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	39750	2506	Sample 2	17.41	18.50	1.285	62.9	1.006	-0.04	0.825	1.067
	LTE Band 41_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	40185	2549.5	Sample 2	17.57	18.50	1.239	62.9	1.006	-0.08	0.867	1.080
	LTE Band 41_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	41055	2636.5	Sample 2	17.56	18.50	1.242	62.9	1.006	0.18	0.656	0.819
	LTE Band 41_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	41490	2680	Sample 2	17.64	18.50	1.219	62.9	1.006	-0.04	0.494	0.606
	LTE Band 41_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	40620	2593	Sample 3	17.85	18.50	1.161	62.9	1.006	0.06	0.474	0.554
	LTE Band 41_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	40620	2593	Sample 4	17.85	18.50	1.161	62.9	1.006	0.05	0.837	0.978
	LTE Band 41_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	39750	2506	Sample 4	17.41	18.50	1.285	62.9	1.006	-0.07	0.763	0.987
11	LTE Band 41_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	40185	2549.5	Sample 4	17.57	18.50	1.239	62.9	1.006	-0.01	0.869	1.083
	LTE Band 41_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	41055	2636.5	Sample 4	17.56	18.50	1.242	62.9	1.006	-0.11	0.763	0.953
	LTE Band 41_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	41490	2680	Sample 4	17.64	18.50	1.219	62.9	1.006	-0.12	0.685	0.840

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Sample	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 Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	42590	3500	Sample 1	17.10	18.00	1.230	62.9	1.006	0.08	0.486	0.601
	LTE Band 42_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	42190	3460	Sample 1	17.05	18.00	1.245	62.9	1.006	0.01	0.322	0.403
	LTE Band 42_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	42990	3540	Sample 1	17.09	18.00	1.233	62.9	1.006	0.05	0.558	0.692
	LTE Band 42_Ant Main	20M	QPSK	50	0	Bottom of Laptop	0mm	Main	ON	42590	3500	Sample 1	17.09	18.00	1.233	62.9	1.006	0.03	0.396	0.491
	LTE Band 42_Ant Main	20M	QPSK	1	0	Bottom of Laptop	24mm	Main	OFF	42590	3500	Sample 1	20.27	22.00	1.489	62.9	1.006	0.04	0.044	0.066
	LTE Band 42_Ant Main	20M	QPSK	50	0	Bottom of Laptop	24mm	Main	OFF	42590	3500	Sample 1	19.38	21.00	1.452	62.9	1.006	0.03	0.036	0.053
	LTE Band 42_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	42990	3540	Sample 2	17.09	18.00	1.233	62.9	1.006	0.1	0.510	0.633
	LTE Band 42_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	42190	3460	Sample 2	17.05	18.00	1.245	62.9	1.006	0.12	0.481	0.602
	LTE Band 42_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	42590	3500	Sample 2	17.10	18.00	1.230	62.9	1.006	0.08	0.494	0.611
	LTE Band 42_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	42990	3540	Sample 3	17.09	18.00	1.233	62.9	1.006	-0.17	0.316	0.392
	LTE Band 42_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	42990	3540	Sample 4	17.09	18.00	1.233	62.9	1.006	0.11	0.248	0.308
	LTE Band 42_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	42590	3500	Sample 1	16.14	16.50	1.086	62.9	1.006	0.08	0.860	0.940
	LTE Band 42_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	42190	3460	Sample 1	16.13	16.50	1.089	62.9	1.006	0.01	0.765	0.838
	LTE Band 42_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	42990	3540	Sample 1	16.04	16.50	1.112	62.9	1.006	0.03	0.826	0.924
	LTE Band 42_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	0mm	MIMO2	ON	42590	3500	Sample 1	15.32	15.50	1.042	62.9	1.006	-0.08	0.765	0.802
	LTE Band 42_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	0mm	MIMO2	ON	42190	3460	Sample 1	15.31	15.50	1.045	62.9	1.006	-0.08	0.689	0.724
	LTE Band 42_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	0mm	MIMO2	ON	42990	3540	Sample 1	15.18	15.50	1.076	62.9	1.006	0.1	0.685	0.742
	LTE Band 42_Ant MIMO 2	20M	QPSK	100	0	Bottom of Laptop	0mm	MIMO2	ON	42590	3500	Sample 1	15.30	15.50	1.047	62.9	1.006	-0.18	0.757	0.797
	LTE Band 42_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	16mm	MIMO2	OFF	42590	3500	Sample 1	20.89	22.00	1.291	62.9	1.006	0.1	0.198	0.257
	LTE Band 42_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	16mm	MIMO2	OFF	42590	3500	Sample 1	19.83	21.00	1.309	62.9	1.006	0.12	0.165	0.217
	LTE Band 42_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	42590	3500	Sample 2	16.14	16.50	1.086	62.9	1.006	0.08	0.757	0.827
	LTE Band 42_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	42190	3460	Sample 2	16.13	16.50	1.089	62.9	1.006	-0.17	0.647	0.709
	LTE Band 42_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	42990	3540	Sample 2	16.04	16.50	1.112	62.9	1.006	-0.03	0.886	0.991
	LTE Band 42_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	42590	3500	Sample 3	16.14	16.50	1.086	62.9	1.006	0.14	0.791	0.865
	LTE Band 42_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	42190	3460	Sample 3	16.13	16.50	1.089	62.9	1.006	0.11	0.860	0.942
	LTE Band 42_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	42990	3540	Sample 3	16.04	16.50	1.112	62.9	1.006	-0.05	0.757	0.847
	LTE Band 42_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	42590	3500	Sample 4	16.14	16.50	1.086	62.9	1.006	0.18	1.070	1.169
	LTE Band 42_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	42190	3460	Sample 4	16.13	16.50	1.089	62.9	1.006	0.14	1.020	1.117
12	LTE Band 42_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	42990	3540	Sample 4	16.04	16.50	1.112	62.9	1.006	-0.04	1.050	1.174
	LTE Band 42C_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	42190+42386	3460	Sample 4	16.11	17.00	1.227	62.9	1.006	0.05	0.655	0.809
	LTE Band 42C_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	42392+42590	3480.2	Sample 4	16.10	17.00	1.230	62.9	1.006	-0.07	0.611	0.756
	LTE Band 42C_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	42792+42990	3520.2	Sample 4	16.06	17.00	1.242	62.9	1.006	-0.05	0.622	0.777
	LTE Band 43_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	45090	3750	Sample 1	16.63	17.00	1.089	62.9	1.006	0.08	0.811	0.888
	LTE Band 43_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	44690	3710	Sample 1	16.55	17.00	1.109	62.9	1.006	0.01	0.847	0.945
	LTE Band 43_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	45490	3790	Sample 1	16.35	17.00	1.161	62.9	1.006	0.03	0.730	0.853
	LTE Band 43_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	0mm	MIMO2	ON	45090	3750	Sample 1	15.75	16.00	1.059	62.9	1.006	-0.08	0.648	0.691
	LTE Band 43_Ant MIMO 2	20M	QPSK	100	0	Bottom of Laptop	0mm	MIMO2	ON	45090	3750	Sample 1	15.74	16.00	1.062	62.9	1.006	0.04	0.648	0.692
	LTE Band 43_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	16mm	MIMO2	OFF	45090	3750	Sample 1	20.87	22.00	1.297	62.9	1.006	0.08	0.145	0.189
	LTE Band 43_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	16mm	MIMO2	OFF	45090	3750	Sample 1	19.70	21.00	1.349	62.9	1.006	0.19	0.111	0.151
	LTE Band 43_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	44690	3710	Sample 2	16.55	17.00	1.109	62.9	1.006	-0.18	0.726	0.810
	LTE Band 43_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	45090	3750	Sample 2	16.63	17.00	1.089	62.9	1.006	0.1	0.836	0.916
	LTE Band 43_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	45490	3790	Sample 2	16.35	17.00	1.161	62.9	1.006	0.12	0.935	1.092
	LTE Band 43_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	44690	3710	Sample 3	16.55	17.00	1.109	62.9	1.006	0.08	0.535	0.597
	LTE Band 43_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	44690	3710	Sample 4	16.55	17.00	1.109	62.9	1.006	0.14	0.733	0.818
	LTE Band 43_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	45090	3750	Sample 4	16.63	17.00	1.089	62.9	1.006	0.11	0.850	0.931
13	LTE Band 43_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	45490	3790	Sample 4	16.35	17.00	1.161	62.9	1.006	-0.02	0.985	1.151
	LTE Band 43C_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	43690+43888	3610	Sample 4	16.35	17.00	1.161	62.9	1.006	0.03	0.788	0.921
	LTE Band 43C_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	44090+43892	3650	Sample 4	16.31	17.00	1.172	62.9	1.006	0.05	0.766	0.903
	LTE Band 43C_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	44490+44292	3690	Sample 4	16.34	17.00	1.164	62.9	1.006	-0.08	0.791	0.926

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Sample	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 Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	55830	3609	Sample 1	16.74	17.50	1.191	62.9	1.006	-0.08	0.667	0.799
	LTE Band 48_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	55340	3560	Sample 1	16.78	17.50	1.180	62.9	1.006	0.16	0.682	0.810
	LTE Band 48_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	56150	3641	Sample 1	16.77	17.50	1.183	62.9	1.006	0.05	0.836	0.995
	LTE Band 48_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	56640	3690	Sample 1	16.75	17.50	1.189	62.9	1.006	0.05	0.810	0.968
	LTE Band 48_Ant Main	20M	QPSK	50	0	Bottom of Laptop	0mm	Main	ON	55830	3609	Sample 1	16.73	17.50	1.194	62.9	1.006	-0.1	0.654	0.786
	LTE Band 48_Ant Main	20M	QPSK	50	0	Bottom of Laptop	0mm	Main	ON	55340	3560	Sample 1	16.77	17.50	1.183	62.9	1.006	0.18	0.669	0.796
	LTE Band 48_Ant Main	20M	QPSK	50	0	Bottom of Laptop	0mm	Main	ON	56150	3641	Sample 1	16.76	17.50	1.186	62.9	1.006	-0.17	0.820	0.978
	LTE Band 48_Ant Main	20M	QPSK	50	0	Bottom of Laptop	0mm	Main	ON	56640	3690	Sample 1	16.74	17.50	1.191	62.9	1.006	-0.04	0.794	0.952
	LTE Band 48_Ant Main	20M	QPSK	100	0	Bottom of Laptop	0mm	Main	ON	55830	3609	Sample 1	16.72	17.50	1.197	62.9	1.006	-0.05	0.646	0.778
	LTE Band 48_Ant Main	20M	QPSK	1	0	Bottom of Laptop	24mm	Main	OFF	55340	3560	Sample 1	20.46	22.00	1.426	62.9	1.006	-0.13	0.055	0.079
	LTE Band 48_Ant Main	20M	QPSK	50	0	Bottom of Laptop	24mm	Main	OFF	55340	3560	Sample 1	19.49	21.00	1.416	62.9	1.006	-0.01	0.038	0.054
	LTE Band 48_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	56150	3641	Sample 2	16.77	17.50	1.183	62.9	1.006	0.02	0.705	0.839
	LTE Band 48_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	55340	3560	Sample 2	16.78	17.50	1.180	62.9	1.006	0.16	0.679	0.806
	LTE Band 48_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	55830	3609	Sample 2	16.74	17.50	1.191	62.9	1.006	-0.03	0.727	0.871
	LTE Band 48_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	56640	3690	Sample 2	16.75	17.50	1.189	62.9	1.006	0.07	0.787	0.941
14	LTE Band 48_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	56150	3641	Sample 3	16.77	17.50	1.183	62.9	1.006	0.01	0.926	1.102
	LTE Band 48_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	55340	3560	Sample 3	16.78	17.50	1.180	62.9	1.006	0	0.664	0.788
	LTE Band 48_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	55830	3609	Sample 3	16.74	17.50	1.191	62.9	1.006	0.01	0.896	1.074
	LTE Band 48_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	56640	3690	Sample 3	16.75	17.50	1.189	62.9	1.006	-0.01	0.787	0.941
	LTE Band 48_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	56150	3641	Sample 4	16.77	17.50	1.183	62.9	1.006	-0.06	0.374	0.445
	LTE Band 48_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	55340	3560	Sample 4	16.78	17.50	1.180	62.9	1.006	-0.04	0.340	0.404
	LTE Band 48_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	55830	3609	Sample 4	16.74	17.50	1.191	62.9	1.006	-0.09	0.341	0.409
	LTE Band 48_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	56640	3690	Sample 4	16.75	17.50	1.189	62.9	1.006	-0.17	0.532	0.636
	LTE Band 48_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	55830	3609	Sample 1	16.12	16.50	1.091	62.9	1.006	-0.08	0.611	0.671
	LTE Band 48_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	55340	3560	Sample 1	15.89	16.50	1.151	62.9	1.006	0.05	0.741	0.858
	LTE Band 48_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	56150	3641	Sample 1	16.11	16.50	1.094	62.9	1.006	0.06	0.618	0.680
	LTE Band 48_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	56640	3690	Sample 1	16.07	16.50	1.104	62.9	1.006	-0.09	0.711	0.790
	LTE Band 48_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	0mm	MIMO2	ON	55830	3609	Sample 1	15.33	15.50	1.040	62.9	1.006	-0.08	0.487	0.509
	LTE Band 48_Ant MIMO 2	20M	QPSK	100	0	Bottom of Laptop	0mm	MIMO2	ON	56640	3690	Sample 1	15.28	15.50	1.052	62.9	1.006	0.18	0.564	0.597
	LTE Band 48_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	16mm	MIMO2	OFF	55830	3609	Sample 1	20.97	22.00	1.268	62.9	1.006	0.03	0.125	0.159
	LTE Band 48_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	16mm	MIMO2	OFF	55830	3609	Sample 1	19.85	21.00	1.303	62.9	1.006	0.09	0.089	0.117
	LTE Band 48_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	55340	3560	Sample 2	15.89	16.50	1.151	62.9	1.006	-0.15	0.851	0.985
	LTE Band 48_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	55830	3609	Sample 2	16.12	16.50	1.091	62.9	1.006	0.19	0.704	0.773
	LTE Band 48_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	56150	3641	Sample 2	16.11	16.50	1.094	62.9	1.006	0.07	0.674	0.742
	LTE Band 48_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	56640	3690	Sample 2	16.07	16.50	1.104	62.9	1.006	-0.18	0.534	0.593
	LTE Band 48_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	55340	3560	Sample 3	15.89	16.50	1.151	62.9	1.006	0.03	0.654	0.757
	LTE Band 48_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	55830	3609	Sample 3	16.12	16.50	1.091	62.9	1.006	-0.15	0.461	0.506
	LTE Band 48_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	56150	3641	Sample 3	16.11	16.50	1.094	62.9	1.006	-0.15	0.414	0.456
	LTE Band 48_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	56640	3690	Sample 3	16.07	16.50	1.104	62.9	1.006	0.11	0.441	0.490
	LTE Band 48_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	55340	3560	Sample 4	15.89	16.50	1.151	62.9	1.006	0	0.928	1.074
	LTE Band 48_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	55830	3609	Sample 4	16.12	16.50	1.091	62.9	1.006	-0.08	0.724	0.795
	LTE Band 48_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	56150	3641	Sample 4	16.11	16.50	1.094	62.9	1.006	-0.17	0.661	0.727
	LTE Band 48_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	56640	3690	Sample 4	16.07	16.50	1.104	62.9	1.006	-0.08	0.654	0.726
	LTE Band 48C_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	55340+55538	3560	Sample 4	16.21	16.50	1.069	62.9	1.006	0.03	0.600	0.645
	LTE Band 48C_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	55632+55830	3589.2	Sample 4	16.11	16.50	1.094	62.9	1.006	-0.08	0.655	0.721
	LTE Band 48C_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	55952+56150	3621.2	Sample 4	16.03	16.50	1.114	62.9	1.006	-0.05	0.602	0.675
	LTE Band 48C_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	56442+56640	3670.2	Sample 4	16.13	16.50	1.089	62.9	1.006	0.06	0.647	0.709

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Sample	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 66_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	132322	1745	Sample 1	17.43	18.00	1.140		1.000	-0.17	0.716	0.816
	LTE Band 66_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	132072	1720	Sample 1	17.37	18.00	1.156		1.000	-0.08	0.704	0.814
	LTE Band 66_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	132572	1770	Sample 1	17.42	18.00	1.143		1.000	-0.04	0.636	0.727
	LTE Band 66_Ant Main	20M	QPSK	50	0	Bottom of Laptop	0mm	Main	ON	132322	1745	Sample 1	16.43	17.00	1.140		1.000	-0.08	0.572	0.652
	LTE Band 66_Ant Main	20M	QPSK	100	0	Bottom of Laptop	0mm	Main	ON	132322	1745	Sample 1	16.42	17.00	1.143		1.000	-0.04	0.549	0.627
	LTE Band 66_Ant Main	20M	QPSK	1	0	Bottom of Laptop	24mm	Main	OFF	132322	1745	Sample 1	23.50	25.00	1.413		1.000	-0.13	0.274	0.387
	LTE Band 66_Ant Main	20M	QPSK	50	0	Bottom of Laptop	24mm	Main	OFF	132322	1745	Sample 1	22.49	24.00	1.416		1.000	0.06	0.238	0.337
	LTE Band 66_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	132322	1745	Sample 2	17.43	18.00	1.140		1.000	0.08	0.681	0.777
	LTE Band 66_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	132322	1745	Sample 3	17.43	18.00	1.140		1.000	-0.11	0.803	0.916
	LTE Band 66_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	132072	1720	Sample 3	17.37	18.00	1.156		1.000	0.03	0.889	1.028
	LTE Band 66_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	132572	1770	Sample 3	17.42	18.00	1.143		1.000	-0.12	0.669	0.765
	LTE Band 66B_Ant Main	15M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	132229+132322	1735.7	Sample 3	17.25	18.00	1.189		1.000	0.06	0.677	0.805
	LTE Band 66B_Ant Main	15M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	132047+132140	1717.5	Sample 3	17.22	18.00	1.197		1.000	-0.08	0.655	0.784
	LTE Band 66B_Ant Main	15M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	132504+132597	1763.2	Sample 3	17.12	18.00	1.225		1.000	-0.04	0.623	0.763
	LTE Band 66C_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	132322+132124	1745	Sample 3	17.37	18.00	1.156		1.000	0.03	0.699	0.808
	LTE Band 66C_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	132072+132270	1720	Sample 3	17.05	18.00	1.245		1.000	-0.04	0.622	0.774
	LTE Band 66C_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	132572+132374	1770	Sample 3	17.35	18.00	1.161		1.000	0.13	0.655	0.761
	LTE Band 66_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	ON	132322	1745	Sample 4	17.43	18.00	1.140		1.000	0.03	0.570	0.650
	LTE Band 66_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	132322	1745	Sample 1	17.78	18.00	1.052		1.000	-0.01	1.010	1.062
	LTE Band 66_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	132072	1720	Sample 1	17.71	18.00	1.069		1.000	-0.09	0.868	0.928
15	LTE Band 66_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	132572	1770	Sample 1	17.64	18.00	1.086		1.000	-0.16	1.020	1.108
	LTE Band 66_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	0mm	MIMO2	ON	132322	1745	Sample 1	17.75	18.00	1.059		1.000	0.05	0.955	1.012
	LTE Band 66_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	0mm	MIMO2	ON	132072	1720	Sample 1	17.68	18.00	1.076		1.000	0.02	0.852	0.917
	LTE Band 66_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	0mm	MIMO2	ON	132572	1770	Sample 1	17.61	18.00	1.094		1.000	-0.13	0.961	1.051
	LTE Band 66_Ant MIMO 2	20M	QPSK	100	0	Bottom of Laptop	0mm	MIMO2	ON	132322	1745	Sample 1	17.65	18.00	1.084		1.000	0.05	0.959	1.039
	LTE Band 66_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	16mm	MIMO2	OFF	132322	1745	Sample 1	22.77	24.00	1.327		1.000	0	0.394	0.523
	LTE Band 66_Ant MIMO 2	20M	QPSK	50	0	Bottom of Laptop	16mm	MIMO2	OFF	132322	1745	Sample 1	21.66	23.00	1.361		1.000	-0.04	0.343	0.467
	LTE Band 66_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	132572	1770	Sample 2	17.64	18.00	1.086		1.000	-0.02	0.803	0.872
	LTE Band 66_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	132072	1720	Sample 2	17.71	18.00	1.069		1.000	0.1	0.703	0.752
	LTE Band 66_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	132322	1745	Sample 2	17.78	18.00	1.052		1.000	0.04	0.764	0.804
	LTE Band 66_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	132572	1770	Sample 3	17.64	18.00	1.086		1.000	0.13	0.952	1.034
	LTE Band 66_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	132072	1720	Sample 3	17.71	18.00	1.069		1.000	-0.18	0.826	0.883
	LTE Band 66_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	132322	1745	Sample 3	17.78	18.00	1.052		1.000	-0.11	0.936	0.985
	LTE Band 66_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	132572	1770	Sample 4	17.64	18.00	1.086		1.000	-0.16	0.822	0.893
	LTE Band 66_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	132072	1720	Sample 4	17.71	18.00	1.069		1.000	-0.15	0.764	0.817
	LTE Band 66_Ant MIMO 2	20M	QPSK	1	0	Bottom of Laptop	0mm	MIMO2	ON	132322	1745	Sample 4	17.78	18.00	1.052		1.000	-0.06	0.784	0.825
	LTE Band 71_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	OFF	133297	680.5	Sample 1	23.98	25.00	1.265		1.000	0.08	0.888	1.123
	LTE Band 71_Ant Main	20M	QPSK	50	0	Bottom of Laptop	0mm	Main	OFF	133297	680.5	Sample 1	23.05	24.00	1.245		1.000	0.02	0.710	0.884
	LTE Band 71_Ant Main	20M	QPSK	100	0	Bottom of Laptop	0mm	Main	OFF	133297	680.5	Sample 1	23.04	24.00	1.247		1.000	0.03	0.693	0.864
	LTE Band 71_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	OFF	133297	680.5	Sample 2	23.98	25.00	1.265		1.000	0.03	0.800	1.012
	LTE Band 71_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	OFF	133297	680.5	Sample 3	23.98	25.00	1.265		1.000	-0.08	0.872	1.103
16	LTE Band 71_Ant Main	20M	QPSK	1	0	Bottom of Laptop	0mm	Main	OFF	133297	680.5	Sample 4	23.98	25.00	1.265		1.000	-0.1	0.912	1.153

<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Sample	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 Main	40M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	507000	2535	Sample 1	15.06	15.50	1.107	0.08	0.412	0.456
	FR1 n7_Ant Main	40M	BPSK	108	54	Bottom of Laptop	0mm	Main	ON	507000	2535	Sample 1	14.86	15.50	1.159	-0.02	0.415	0.481
	FR1 n7_Ant Main	40M	BPSK	1	1	Bottom of Laptop	24mm	Main	OFF	507000	2535	Sample 1	24.08	25.00	1.236	-0.08	0.233	0.288
	FR1 n7_Ant Main	40M	BPSK	108	54	Bottom of Laptop	24mm	Main	OFF	507000	2535	Sample 1	23.88	25.00	1.294	0.1	0.211	0.273
	FR1 n7_Ant Main	40M	BPSK	108	54	Bottom of Laptop	0mm	Main	ON	507000	2535	Sample 2	14.86	15.50	1.159	0.04	0.312	0.362
	FR1 n7_Ant Main	40M	BPSK	108	54	Bottom of Laptop	0mm	Main	ON	507000	2535	Sample 3	14.86	15.50	1.159	0.05	0.401	0.465
	FR1 n7_Ant Main	40M	BPSK	108	54	Bottom of Laptop	0mm	Main	ON	507000	2535	Sample 4	14.86	15.50	1.159	0.08	0.296	0.343
	FR1 n7_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	507000	2535	Sample 1	16.48	17.50	1.265	-0.17	0.775	0.980
	FR1 n7_Ant MIMO 2	40M	BPSK	108	54	Bottom of Laptop	0mm	MIMO2	ON	507000	2535	Sample 1	16.46	17.50	1.271	-0.03	0.769	0.977
	FR1 n7_Ant MIMO 2	40M	BPSK	216	0	Bottom of Laptop	0mm	MIMO2	ON	507000	2535	Sample 1	16.40	17.50	1.288	0.04	0.758	0.976
	FR1 n7_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	16mm	MIMO2	OFF	507000	2535	Sample 1	22.95	24.00	1.274	0.03	0.289	0.368
	FR1 n7_Ant MIMO 2	40M	BPSK	108	54	Bottom of Laptop	16mm	MIMO2	OFF	507000	2535	Sample 1	22.94	24.00	1.276	0.05	0.277	0.354
17	FR1 n7_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	507000	2535	Sample 2	16.48	17.50	1.265	0	0.914	1.156
	FR1 n7_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	507000	2535	Sample 3	16.48	17.50	1.265	-0.05	0.570	0.721
	FR1 n7_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	507000	2535	Sample 4	16.48	17.50	1.265	0.18	0.881	1.114
	FR1 n12_Ant Main	15M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	141500	707.5	Sample 1	21.97	22.50	1.130	-0.03	0.712	0.804
	FR1 n12_Ant Main	15M	BPSK	36	22	Bottom of Laptop	0mm	Main	ON	141500	707.5	Sample 1	21.87	22.50	1.156	0.14	0.765	0.884
	FR1 n12_Ant Main	15M	BPSK	75	0	Bottom of Laptop	0mm	Main	ON	141500	707.5	Sample 1	21.86	22.50	1.159	0.09	0.672	0.779
	FR1 n12_Ant Main	15M	BPSK	1	1	Bottom of Laptop	24mm	Main	OFF	141500	707.5	Sample 1	23.97	25.00	1.268	0.18	0.079	0.100
	FR1 n12_Ant Main	15M	BPSK	36	22	Bottom of Laptop	24mm	Main	OFF	141500	707.5	Sample 1	23.77	25.00	1.327	0.14	0.070	0.093
	FR1 n12_Ant Main	15M	BPSK	36	22	Bottom of Laptop	0mm	Main	ON	141500	707.5	Sample 2	21.87	22.50	1.156	-0.05	0.725	0.838
18	FR1 n12_Ant Main	15M	BPSK	36	22	Bottom of Laptop	0mm	Main	ON	141500	707.5	Sample 3	21.87	22.50	1.156	-0.09	0.956	1.105
	FR1 n12_Ant Main	15M	BPSK	36	22	Bottom of Laptop	0mm	Main	ON	141500	707.5	Sample 4	21.87	22.50	1.156	0.01	0.758	0.876
	FR1 n13_Ant Main	10M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	156400	782	Sample 1	23.25	23.50	1.059	0.08	0.861	0.912
	FR1 n13_Ant Main	10M	BPSK	25	14	Bottom of Laptop	0mm	Main	ON	156400	782	Sample 1	23.15	23.50	1.084	0.01	0.899	0.974
	FR1 n13_Ant Main	10M	BPSK	50	0	Bottom of Laptop	0mm	Main	ON	156400	782	Sample 1	23.14	23.50	1.086	0.05	0.834	0.906
	FR1 n13_Ant Main	10M	BPSK	1	1	Bottom of Laptop	24mm	Main	OFF	156400	782	Sample 1	23.65	25.00	1.365	-0.08	0.085	0.116
	FR1 n13_Ant Main	10M	BPSK	25	14	Bottom of Laptop	24mm	Main	OFF	156400	782	Sample 1	23.56	25.00	1.393	0.1	0.079	0.110
	FR1 n13_Ant Main	10M	BPSK	25	14	Bottom of Laptop	0mm	Main	ON	156400	782	Sample 2	23.15	23.50	1.084	0.12	0.873	0.946
	FR1 n13_Ant Main	10M	BPSK	25	14	Bottom of Laptop	0mm	Main	ON	156400	782	Sample 3	23.15	23.50	1.084	0.08	0.794	0.861
19	FR1 n13_Ant Main	10M	BPSK	25	14	Bottom of Laptop	0mm	Main	ON	156400	782	Sample 4	23.15	23.50	1.084	-0.02	1.030	1.116
	FR1 n14_Ant Main	10M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	158600	793	Sample 1	23.34	24.00	1.164	-0.17	0.834	0.971
	FR1 n14_Ant Main	10M	BPSK	25	14	Bottom of Laptop	0mm	Main	ON	158600	793	Sample 1	23.20	24.00	1.202	-0.03	0.764	0.919
	FR1 n14_Ant Main	10M	BPSK	50	0	Bottom of Laptop	0mm	Main	ON	158600	793	Sample 1	22.83	23.50	1.167	0.14	0.738	0.861
	FR1 n14_Ant Main	10M	BPSK	1	1	Bottom of Laptop	24mm	Main	OFF	158600	793	Sample 1	23.84	25.00	1.306	0.14	0.079	0.103
	FR1 n14_Ant Main	10M	BPSK	25	14	Bottom of Laptop	24mm	Main	OFF	158600	793	Sample 1	23.70	25.00	1.349	-0.17	0.072	0.097
	FR1 n14_Ant Main	10M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	158600	793	Sample 2	23.34	24.00	1.164	0.01	0.886	1.031
	FR1 n14_Ant Main	10M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	158600	793	Sample 3	23.34	24.00	1.164	0.1	0.786	0.915
20	FR1 n14_Ant Main	10M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	158600	793	Sample 4	23.34	24.00	1.164	0	0.997	1.161
	FR1 n25_Ant Main	40M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	376500	1882.5	Sample 1	17.04	18.00	1.247	0.02	0.655	0.817
	FR1 n25_Ant Main	40M	BPSK	108	54	Bottom of Laptop	0mm	Main	ON	376500	1882.5	Sample 1	17.02	18.00	1.253	-0.13	0.642	0.805
	FR1 n25_Ant Main	40M	BPSK	216	0	Bottom of Laptop	0mm	Main	ON	376500	1882.5	Sample 1	17.00	18.00	1.259	-0.13	0.578	0.728
	FR1 n25_Ant Main	40M	BPSK	1	1	Bottom of Laptop	24mm	Main	OFF	376500	1882.5	Sample 1	24.11	25.00	1.227	0	0.144	0.177
	FR1 n25_Ant Main	40M	BPSK	108	54	Bottom of Laptop	24mm	Main	OFF	376500	1882.5	Sample 1	23.95	25.00	1.274	-0.04	0.135	0.172
	FR1 n25_Ant Main	40M	BPSK	108	54	Bottom of Laptop	0mm	Main	ON	376500	1882.5	Sample 2	17.02	18.00	1.253	-0.02	0.826	1.035
	FR1 n25_Ant Main	40M	BPSK	108	54	Bottom of Laptop	0mm	Main	ON	376500	1882.5	Sample 3	17.02	18.00	1.253	0.1	0.702	0.880
	FR1 n25_Ant Main	40M	BPSK	108	54	Bottom of Laptop	0mm	Main	ON	376500	1882.5	Sample 4	17.02	18.00	1.253	0.1	0.874	1.095
	FR1 n25_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	376500	1882.5	Sample 1	17.91	19.00	1.285	-0.17	0.784	1.008
21	FR1 n25_Ant MIMO 2	40M	BPSK	108	54	Bottom of Laptop	0mm	MIMO2	ON	376500	1882.5	Sample 1	17.89	19.00	1.291	-0.18	0.919	1.187
	FR1 n25_Ant MIMO 2	40M	BPSK	216	0	Bottom of Laptop	0mm	MIMO2	ON	376500	1882.5	Sample 1	17.88	19.00	1.294	0.04	0.848	1.097
	FR1 n25_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	16mm	MIMO2	OFF	376500	1882.5	Sample 1	23.32	24.00	1.169	0.05	0.289	0.338
	FR1 n25_Ant MIMO 2	40M	BPSK	108	54	Bottom of Laptop	16mm	MIMO2	OFF	376500	1882.5	Sample 1	23.10	24.00	1.230	0.06	0.268	0.330

	FR1 n25_Ant MIMO 2	40M	BPSK	108	54	Bottom of Laptop	0mm	MIMO2	ON	376500	1882.5	Sample 2	17.89	19.00	1.291	0.13	0.898	1.160
	FR1 n25_Ant MIMO 2	40M	BPSK	108	54	Bottom of Laptop	0mm	MIMO2	ON	376500	1882.5	Sample 3	17.89	19.00	1.291	0.12	0.778	1.005
	FR1 n25_Ant MIMO 2	40M	BPSK	108	54	Bottom of Laptop	0mm	MIMO2	ON	376500	1882.5	Sample 4	17.89	19.00	1.291	0.03	0.825	1.065
	FR1 n26_Ant Main	20M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	166300	831.5	Sample 1	23.55	24.50	1.245	0.08	0.817	1.017
	FR1 n26_Ant Main	20M	BPSK	50	28	Bottom of Laptop	0mm	Main	ON	166300	831.5	Sample 1	23.51	24.50	1.256	0.01	0.816	1.025
	FR1 n26_Ant Main	20M	BPSK	100	0	Bottom of Laptop	0mm	Main	ON	166300	831.5	Sample 1	23.45	24.50	1.274	0.05	0.795	1.012
	FR1 n26_Ant Main	20M	BPSK	1	1	Bottom of Laptop	24mm	Main	OFF	166300	831.5	Sample 1	24.06	25.00	1.242	-0.08	0.069	0.086
	FR1 n26_Ant Main	20M	BPSK	50	28	Bottom of Laptop	24mm	Main	OFF	166300	831.5	Sample 1	24.00	25.00	1.259	0.1	0.066	0.083
22	FR1 n26_Ant Main	20M	BPSK	50	28	Bottom of Laptop	0mm	Main	ON	166300	831.5	Sample 2	23.51	24.50	1.256	0.02	0.910	1.143
	FR1 n26_Ant Main	20M	BPSK	50	28	Bottom of Laptop	0mm	Main	ON	166300	831.5	Sample 3	23.51	24.50	1.256	0.12	0.715	0.898
	FR1 n26_Ant Main	20M	BPSK	50	28	Bottom of Laptop	0mm	Main	ON	166300	831.5	Sample 4	23.51	24.50	1.256	0.08	0.848	1.065
	FR1 n30_Ant Main	10M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	462000	2310	Sample 1	16.08	16.50	1.102	0.18	0.941	1.037
	FR1 n30_Ant Main	10M	BPSK	25	14	Bottom of Laptop	0mm	Main	ON	462000	2310	Sample 1	15.93	16.50	1.140	0.16	0.894	1.019
	FR1 n30_Ant Main	10M	BPSK	50	0	Bottom of Laptop	0mm	Main	ON	462000	2310	Sample 1	15.92	16.50	1.143	-0.1	0.870	0.994
	FR1 n30_Ant Main	10M	BPSK	1	1	Bottom of Laptop	24mm	Main	OFF	462000	2310	Sample 1	21.83	23.00	1.309	-0.1	0.166	0.217
	FR1 n30_Ant Main	10M	BPSK	25	14	Bottom of Laptop	24mm	Main	OFF	462000	2310	Sample 1	21.69	23.00	1.352	0.01	0.158	0.214
	FR1 n30_Ant Main	10M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	462000	2310	Sample 2	16.08	16.50	1.102	0.07	0.634	0.698
23	FR1 n30_Ant Main	10M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	462000	2310	Sample 3	16.08	16.50	1.102	-0.01	1.020	1.124
	FR1 n30_Ant Main	10M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	462000	2310	Sample 4	16.08	16.50	1.102	-0.18	0.627	0.691
	FR1 n30_Ant MIMO 2	10M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	462000	2310	Sample 1	16.41	17.00	1.146	0.03	0.778	0.891
	FR1 n30_Ant MIMO 2	10M	BPSK	25	14	Bottom of Laptop	0mm	MIMO2	ON	462000	2310	Sample 1	16.26	17.00	1.186	-0.15	0.736	0.873
	FR1 n30_Ant MIMO 2	10M	BPSK	50	0	Bottom of Laptop	0mm	MIMO2	ON	462000	2310	Sample 1	16.23	17.00	1.194	-0.15	0.706	0.843
	FR1 n30_Ant MIMO 2	10M	BPSK	1	1	Bottom of Laptop	16mm	MIMO2	OFF	462000	2310	Sample 1	21.71	23.00	1.346	-0.17	0.258	0.347
	FR1 n30_Ant MIMO 2	10M	BPSK	25	14	Bottom of Laptop	16mm	MIMO2	OFF	462000	2310	Sample 1	21.53	23.00	1.403	-0.08	0.235	0.330
	FR1 n30_Ant MIMO 2	10M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	462000	2310	Sample 2	16.41	17.00	1.146	0.17	0.742	0.850
	FR1 n30_Ant MIMO 2	10M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	462000	2310	Sample 3	16.41	17.00	1.146	0.18	0.662	0.758
	FR1 n30_Ant MIMO 2	10M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	462000	2310	Sample 4	16.41	17.00	1.146	0.02	0.932	1.068
	FR1 n41_Ant Main	100M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	518598	2592.99	Sample 1	13.50	14.50	1.259	0.05	0.329	0.414
	FR1 n41_Ant Main	100M	BPSK	135	69	Bottom of Laptop	0mm	Main	ON	518598	2592.99	Sample 1	13.47	14.50	1.268	-0.11	0.342	0.434
	FR1 n41_Ant Main	100M	BPSK	1	1	Bottom of Laptop	24mm	Main	OFF	518598	2592.99	Sample 1	23.31	25.00	1.476	0.14	0.271	0.400
	FR1 n41_Ant Main	100M	BPSK	135	69	Bottom of Laptop	24mm	Main	OFF	518598	2592.99	Sample 1	23.29	25.00	1.483	-0.17	0.263	0.390
	FR1 n41_Ant Main	100M	BPSK	135	69	Bottom of Laptop	0mm	Main	ON	518598	2592.99	Sample 2	13.47	14.50	1.268	-0.12	0.404	0.512
	FR1 n41_Ant Main	100M	BPSK	135	69	Bottom of Laptop	0mm	Main	ON	518598	2592.99	Sample 3	13.47	14.50	1.268	0.03	0.332	0.421
	FR1 n41_Ant Main	100M	BPSK	135	69	Bottom of Laptop	0mm	Main	ON	518598	2592.99	Sample 4	13.47	14.50	1.268	-0.01	0.487	0.617
	FR1 n41_HPUE_Ant Main	100M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	518598	2592.99	Sample 4	16.55	17.50	1.245	0.02	0.456	0.567
	FR1 n41_Ant MIMO 1	100M	BPSK	1	1	Bottom of Laptop	0mm	MIMO1	ON	518598	2592.99	Sample 1	15.12	16.00	1.225	0.1	0.466	0.571
	FR1 n41_Ant MIMO 1	100M	BPSK	135	69	Bottom of Laptop	0mm	MIMO1	ON	518598	2592.99	Sample 1	15.10	16.00	1.230	-0.18	0.390	0.480
	FR1 n41_Ant MIMO 1	100M	BPSK	1	1	Bottom of Laptop	0mm	MIMO1	ON	518598	2592.99	Sample 2	15.12	16.00	1.225	0.06	0.572	0.700
	FR1 n41_HPUE_Ant MIMO 1	100M	BPSK	1	1	Bottom of Laptop	0mm	MIMO1	ON	518598	2592.99	Sample 2	18.16	19.00	1.213	0.03	0.532	0.646
	FR1 n41_Ant MIMO 1	100M	BPSK	1	1	Bottom of Laptop	0mm	MIMO1	ON	518598	2592.99	Sample 3	15.12	16.00	1.225	0.12	0.517	0.633
	FR1 n41_Ant MIMO 1	100M	BPSK	1	1	Bottom of Laptop	0mm	MIMO1	ON	518598	2592.99	Sample 4	15.12	16.00	1.225	0.08	0.374	0.458
	FR1 n41_Ant MIMO 2	100M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	518598	2592.99	Sample 1	15.79	16.50	1.178	0.08	0.892	1.050
	FR1 n41_Ant MIMO 2	100M	BPSK	135	69	Bottom of Laptop	0mm	MIMO2	ON	518598	2592.99	Sample 1	15.73	16.50	1.194	0.01	0.855	1.021
	FR1 n41_Ant MIMO 2	100M	BPSK	270	0	Bottom of Laptop	0mm	MIMO2	ON	518598	2592.99	Sample 1	15.69	16.50	1.205	0.05	0.823	0.992
	FR1 n41_Ant MIMO 2	100M	BPSK	1	1	Bottom of Laptop	16mm	MIMO2	OFF	518598	2592.99	Sample 1	23.77	24.00	1.054	0.03	0.379	0.400
	FR1 n41_Ant MIMO 2	100M	BPSK	135	69	Bottom of Laptop	16mm	MIMO2	OFF	518598	2592.99	Sample 1	23.74	24.00	1.062	0.01	0.369	0.392
	FR1 n41_Ant MIMO 2	100M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	518598	2592.99	Sample 2	15.79	16.50	1.178	-0.18	0.987	1.162
	FR1 n41_Ant MIMO 2	100M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	518598	2592.99	Sample 3	15.79	16.50	1.178	0.1	0.622	0.732
24	FR1 n41_Ant MIMO 2	100M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	518598	2592.99	Sample 4	15.79	16.50	1.178	-0.01	0.993	1.169
	FR1 n41_HPUE_Ant MIMO 2	100M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	518598	2592.99	Sample 4	18.75	19.50	1.189	0.11	0.890	1.058
	FR1 n41_Ant AUX	100M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	518598	2592.99	Sample 1	13.02	13.50	1.117	-0.03	0.461	0.515
	FR1 n41_Ant AUX	100M	BPSK	135	69	Bottom of Laptop	0mm	AUX	ON	518598	2592.99	Sample 1	12.98	13.50	1.127	0.08	0.305	0.344
	FR1 n41_Ant Aux	100M	BPSK	1	1	Bottom of Laptop	20mm	AUX	OFF	518598	2592.99	Sample 1	23.64	25.00	1.368	-0.01	0.330	0.451
	FR1 n41_Ant Aux	100M	BPSK	135	69	Bottom of Laptop	20mm	AUX	OFF	518598	2592.99	Sample 1	23.59	25.00	1.384	-0.08	0.321	0.444
	FR1 n41_HPUE_Ant AUX	100M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	518598	2592.99	Sample 1	16.05	16.50	1.109	0.01	0.456	0.506
	FR1 n41_Ant AUX	100M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	518598	2592.99	Sample 2	13.02	13.50	1.117	0.03	0.146	0.163

	FR1 n41_Ant AUX	100M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	518598	2592.99	Sample 3	13.02	13.50	1.117	-0.08	0.338	0.377
	FR1 n41_Ant AUX	100M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	518598	2592.99	Sample 4	13.02	13.50	1.117	-0.08	0.155	0.173
	FR1 n48_Ant Main	40M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	641666	3624.99	Sample 1	15.02	15.50	1.117	-0.05	0.808	0.902
	FR1 n48_Ant Main	40M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	638000	3570	Sample 1	14.91	15.50	1.146	0.04	0.644	0.738
	FR1 n48_Ant Main	40M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	645332	3679.98	Sample 1	14.95	15.50	1.135	0.02	0.801	0.909
	FR1 n48_Ant Main	40M	BPSK	50	28	Bottom of Laptop	0mm	Main	ON	641666	3624.99	Sample 1	14.98	15.50	1.127	0.18	0.827	0.932
	FR1 n48_Ant Main	40M	BPSK	50	28	Bottom of Laptop	0mm	Main	ON	638000	3570	Sample 1	14.87	15.50	1.156	0.14	0.659	0.762
	FR1 n48_Ant Main	40M	BPSK	50	28	Bottom of Laptop	0mm	Main	ON	645332	3679.98	Sample 1	14.91	15.50	1.146	-0.17	0.820	0.939
	FR1 n48_Ant Main	40M	BPSK	100	0	Bottom of Laptop	0mm	Main	ON	641666	3624.99	Sample 1	14.96	15.50	1.132	0.05	0.811	0.918
	FR1 n48_Ant Main	40M	BPSK	1	1	Bottom of Laptop	24mm	Main	OFF	641666	3624.99	Sample 1	21.21	22.00	1.199	0.01	0.149	0.179
	FR1 n48_Ant Main	40M	BPSK	50	28	Bottom of Laptop	24mm	Main	OFF	641666	3624.99	Sample 1	21.17	22.00	1.211	0.1	0.138	0.167
	FR1 n48_Ant Main	40M	BPSK	50	28	Bottom of Laptop	0mm	Main	ON	645332	3679.98	Sample 2	14.91	15.50	1.146	-0.01	0.738	0.845
	FR1 n48_Ant Main	40M	BPSK	50	28	Bottom of Laptop	0mm	Main	ON	638000	3570	Sample 2	14.87	15.50	1.156	-0.08	0.706	0.816
	FR1 n48_Ant Main	40M	BPSK	50	28	Bottom of Laptop	0mm	Main	ON	641666	3624.99	Sample 2	14.98	15.50	1.127	0.05	0.724	0.816
	FR1 n48_Ant Main	40M	BPSK	50	28	Bottom of Laptop	0mm	Main	ON	645332	3679.98	Sample 3	14.91	15.50	1.146	0.06	0.850	0.974
	FR1 n48_Ant Main	40M	BPSK	50	28	Bottom of Laptop	0mm	Main	ON	638000	3570	Sample 3	14.87	15.50	1.156	-0.09	0.810	0.936
	FR1 n48_Ant Main	40M	BPSK	50	28	Bottom of Laptop	0mm	Main	ON	641666	3624.99	Sample 3	14.98	15.50	1.127	0	0.992	1.118
	FR1 n48_Ant Main	40M	BPSK	50	28	Bottom of Laptop	0mm	Main	ON	645332	3679.98	Sample 4	14.91	15.50	1.146	-0.08	0.526	0.603
	FR1 n48_Ant Main	40M	BPSK	50	28	Bottom of Laptop	0mm	Main	ON	638000	3570	Sample 4	14.87	15.50	1.156	0.13	0.359	0.415
	FR1 n48_Ant Main	40M	BPSK	50	28	Bottom of Laptop	0mm	Main	ON	641666	3624.99	Sample 4	14.98	15.50	1.127	0.12	0.398	0.449
	FR1 n48_Ant MIMO 1	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO1	ON	641666	3624.99	Sample 1	8.58	9.50	1.236	-0.04	0.067	0.083
	FR1 n48_Ant MIMO 1	40M	BPSK	50	28	Bottom of Laptop	0mm	MIMO1	ON	641666	3624.99	Sample 1	8.52	9.50	1.253	-0.08	0.065	0.081
	FR1 n48_Ant MIMO 1	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO1	ON	641666	3624.99	Sample 2	8.58	9.50	1.236	0.05	0.316	0.391
	FR1 n48_Ant MIMO 1	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO1	ON	641666	3624.99	Sample 3	8.58	9.50	1.236	0.03	0.109	0.135
	FR1 n48_Ant MIMO 1	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO1	ON	641666	3624.99	Sample 4	8.58	9.50	1.236	-0.04	0.375	0.463
	FR1 n48_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	641666	3624.99	Sample 1	13.47	14.50	1.268	0.08	0.505	0.640
	FR1 n48_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	638000	3570	Sample 1	13.45	14.50	1.274	0.01	0.731	0.931
	FR1 n48_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	645332	3679.98	Sample 1	13.42	14.50	1.282	0.03	0.514	0.659
	FR1 n48_Ant MIMO 2	40M	BPSK	50	28	Bottom of Laptop	0mm	MIMO2	ON	641666	3624.99	Sample 1	13.45	14.50	1.274	-0.08	0.468	0.596
	FR1 n48_Ant MIMO 2	40M	BPSK	100	0	Bottom of Laptop	0mm	MIMO2	ON	641666	3624.99	Sample 1	13.41	14.50	1.285	0.04	0.464	0.596
	FR1 n48_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	16mm	MIMO2	OFF	641666	3624.99	Sample 1	20.61	22.00	1.377	0.05	0.252	0.347
	FR1 n48_Ant MIMO 2	40M	BPSK	50	28	Bottom of Laptop	16mm	MIMO2	OFF	641666	3624.99	Sample 1	20.48	22.00	1.419	-0.09	0.241	0.342
	FR1 n48_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	638000	3570	Sample 2	13.45	14.50	1.274	-0.18	0.806	1.026
	FR1 n48_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	641666	3624.99	Sample 2	13.47	14.50	1.268	0.1	0.733	0.929
	FR1 n48_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	645332	3679.98	Sample 2	13.42	14.50	1.282	0.12	0.585	0.750
	FR1 n48_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	638000	3570	Sample 3	13.45	14.50	1.274	0.08	0.702	0.894
	FR1 n48_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	641666	3624.99	Sample 3	13.47	14.50	1.268	-0.17	0.408	0.517
	FR1 n48_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	645332	3679.98	Sample 3	13.42	14.50	1.282	-0.03	0.465	0.596
25	FR1 n48_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	638000	3570	Sample 4	13.45	14.50	1.274	-0.02	0.937	1.193
	FR1 n48_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	641666	3624.99	Sample 4	13.47	14.50	1.268	0.14	0.649	0.823
	FR1 n48_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	645332	3679.98	Sample 4	13.42	14.50	1.282	0.11	0.583	0.748
	FR1 n48_Ant Aux	40M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	641666	3624.99	Sample 1	17.95	18.50	1.135	0.03	0.801	0.909
	FR1 n48_Ant Aux	40M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	638000	3570	Sample 1	17.85	18.50	1.161	0.18	0.842	0.978
	FR1 n48_Ant Aux	40M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	645332	3679.98	Sample 1	17.86	18.50	1.159	0.03	0.896	1.038
	FR1 n48_Ant Aux	40M	BPSK	50	28	Bottom of Laptop	0mm	AUX	ON	641666	3624.99	Sample 1	17.92	18.50	1.143	0.16	0.757	0.865
	FR1 n48_Ant Aux	40M	BPSK	50	28	Bottom of Laptop	0mm	AUX	ON	638000	3570	Sample 1	17.77	18.50	1.183	0.04	0.796	0.942
	FR1 n48_Ant Aux	40M	BPSK	50	28	Bottom of Laptop	0mm	AUX	ON	645332	3679.98	Sample 1	17.75	18.50	1.189	0.05	0.847	1.007
	FR1 n48_Ant Aux	40M	BPSK	100	0	Bottom of Laptop	0mm	AUX	ON	641666	3624.99	Sample 1	17.91	18.50	1.146	0.04	0.752	0.861
	FR1 n48_Ant Aux	40M	BPSK	1	1	Bottom of Laptop	20mm	AUX	OFF	641666	3624.99	Sample 1	21.14	22.00	1.219	0.18	0.326	0.397
	FR1 n48_Ant Aux	40M	BPSK	50	28	Bottom of Laptop	20mm	AUX	OFF	641666	3624.99	Sample 1	21.08	22.00	1.236	-0.1	0.311	0.384
	FR1 n48_Ant Aux	40M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	645332	3679.98	Sample 2	17.86	18.50	1.159	0.19	0.235	0.272
	FR1 n48_Ant Aux	40M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	645332	3679.98	Sample 3	17.86	18.50	1.159	0.03	0.747	0.866
	FR1 n48_Ant Aux	40M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	641666	3624.99	Sample 3	17.95	18.50	1.135	-0.15	0.716	0.813
	FR1 n48_Ant Aux	40M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	638000	3570	Sample 3	17.85	18.50	1.161	-0.15	0.689	0.800
	FR1 n48_Ant Aux	40M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	645332	3679.98	Sample 4	17.86	18.50	1.159	0.11	0.414	0.480
	FR1 n66_Ant Main	40M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	349000	1745	Sample 1	18.44	19.00	1.138	0.11	0.866	0.985

	FR1 n66_Ant Main	40M	BPSK	108	54	Bottom of Laptop	0mm	Main	ON	349000	1745	Sample 1	18.41	19.00	1.146	-0.05	0.846	0.969
	FR1 n66_Ant Main	40M	BPSK	216	0	Bottom of Laptop	0mm	Main	ON	349000	1745	Sample 1	18.40	19.00	1.148	-0.08	0.819	0.940
	FR1 n66_Ant Main	40M	BPSK	1	1	Bottom of Laptop	24mm	Main	OFF	349000	1745	Sample 1	23.80	25.00	1.318	0.05	0.266	0.351
	FR1 n66_Ant Main	40M	BPSK	108	54	Bottom of Laptop	24mm	Main	OFF	349000	1745	Sample 1	23.73	25.00	1.340	-0.03	0.259	0.347
	FR1 n66_Ant Main	40M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	349000	1745	Sample 2	18.44	19.00	1.138	0.07	0.857	0.975
26	FR1 n66_Ant Main	40M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	349000	1745	Sample 3	18.44	19.00	1.138	0.01	1.020	1.160
	FR1 n66_Ant Main	40M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	349000	1745	Sample 4	18.44	19.00	1.138	0.16	0.545	0.620
	FR1 n66_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	349000	1745	Sample 1	17.23	18.00	1.194	0.05	0.900	1.075
	FR1 n66_Ant MIMO 2	40M	BPSK	108	54	Bottom of Laptop	0mm	MIMO2	ON	349000	1745	Sample 1	17.21	18.00	1.199	0.13	0.865	1.038
	FR1 n66_Ant MIMO 2	40M	BPSK	216	0	Bottom of Laptop	0mm	MIMO2	ON	349000	1745	Sample 1	17.19	18.00	1.205	-0.18	0.846	1.019
	FR1 n66_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	16mm	MIMO2	OFF	349000	1745	Sample 1	22.68	24.00	1.355	-0.03	0.377	0.511
	FR1 n66_Ant MIMO 2	40M	BPSK	108	54	Bottom of Laptop	16mm	MIMO2	OFF	349000	1745	Sample 1	22.67	24.00	1.358	0.07	0.364	0.494
	FR1 n66_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	349000	1745	Sample 2	17.23	18.00	1.194	-0.01	0.714	0.853
	FR1 n66_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	349000	1745	Sample 3	17.23	18.00	1.194	-0.06	0.856	1.022
	FR1 n66_Ant MIMO 2	40M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	349000	1745	Sample 4	17.23	18.00	1.194	-0.04	0.711	0.849
	FR1 n71_Ant Main	20M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	136100	680.5	Sample 1	23.88	24.50	1.153	-0.09	0.707	0.815
	FR1 n71_Ant Main	20M	BPSK	50	28	Bottom of Laptop	0mm	Main	ON	136100	680.5	Sample 1	23.82	24.50	1.169	-0.17	0.688	0.805
	FR1 n71_Ant Main	20M	BPSK	100	0	Bottom of Laptop	0mm	Main	ON	136100	680.5	Sample 1	23.72	24.50	1.197	-0.1	0.644	0.771
	FR1 n71_Ant Main	20M	BPSK	1	1	Bottom of Laptop	24mm	Main	OFF	136100	680.5	Sample 1	24.28	25.00	1.180	-0.05	0.092	0.109
	FR1 n71_Ant Main	20M	BPSK	50	28	Bottom of Laptop	24mm	Main	OFF	136100	680.5	Sample 1	24.26	25.00	1.186	0	0.088	0.104
	FR1 n71_Ant Main	20M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	136100	680.5	Sample 2	23.88	24.50	1.153	0.04	0.632	0.729
	FR1 n71_Ant Main	20M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	136100	680.5	Sample 3	23.88	24.50	1.153	0.04	0.723	0.834
27	FR1 n71_Ant Main	20M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	136100	680.5	Sample 4	23.88	24.50	1.153	0.03	0.877	1.012
	FR1 n77_Ant Main	100M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	656000	3840	Sample 1	14.07	15.00	1.239	0.06	0.692	0.857
	FR1 n77_Ant Main	100M	BPSK	135	69	Bottom of Laptop	0mm	Main	ON	656000	3840	Sample 1	13.91	15.00	1.285	-0.09	0.659	0.847
	FR1 n77_Ant Main	100M	BPSK	270	0	Bottom of Laptop	0mm	Main	ON	656000	3840	Sample 1	13.84	15.00	1.306	-0.08	0.652	0.852
	FR1 n77_Ant Main	100M	BPSK	1	1	Bottom of Laptop	24mm	Main	OFF	656000	3840	Sample 1	24.42	25.00	1.143	0.01	0.694	0.793
	FR1 n77_Ant Main	100M	BPSK	135	69	Bottom of Laptop	24mm	Main	OFF	656000	3840	Sample 1	24.37	25.00	1.156	0.15	0.468	0.541
	FR1 n77_Ant Main	100M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	656000	3840	Sample 2	14.07	15.00	1.239	0.12	0.595	0.737
	FR1 n77_Ant Main	100M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	656000	3840	Sample 3	14.07	15.00	1.239	0.03	0.695	0.861
	FR1 n77_HPUE_Ant Main	100M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	656000	3840	Sample 3	17.18	18.00	1.208	0.01	0.688	0.831
	FR1 n77_Ant Main	100M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	656000	3840	Sample 4	14.07	15.00	1.239	0.03	0.535	0.663
	FR1 n77_Ant MIMO 1	100M	BPSK	1	1	Bottom of Laptop	0mm	MIMO1	ON	656000	3840	Sample 1	8.16	9.00	1.213	0.04	0.165	0.200
	FR1 n77_Ant MIMO 1	100M	BPSK	135	69	Bottom of Laptop	0mm	MIMO1	ON	656000	3840	Sample 1	8.15	9.00	1.216	-0.01	0.168	0.204
	FR1 n77_Ant MIMO 1	100M	BPSK	135	69	Bottom of Laptop	0mm	MIMO1	ON	656000	3840	Sample 2	8.15	9.00	1.216	0.05	0.286	0.348
	FR1 n77_Ant MIMO 1	100M	BPSK	135	69	Bottom of Laptop	0mm	MIMO1	ON	656000	3840	Sample 3	8.15	9.00	1.216	0.06	0.204	0.248
	FR1 n77_Ant MIMO 1	100M	BPSK	135	69	Bottom of Laptop	0mm	MIMO1	ON	656000	3840	Sample 4	8.15	9.00	1.216	-0.09	0.302	0.367
	FR1 n77_HPUE_Ant MIMO 1	100M	BPSK	135	69	Bottom of Laptop	0mm	MIMO1	ON	656000	3840	Sample 4	11.17	12.00	1.211	-0.08	0.289	0.350
	FR1 n77_Ant MIMO 2	100M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	656000	3840	Sample 1	14.04	14.50	1.112	-0.1	0.646	0.718
	FR1 n77_Ant MIMO 2	100M	BPSK	135	69	Bottom of Laptop	0mm	MIMO2	ON	656000	3840	Sample 1	13.96	14.50	1.132	0.01	0.536	0.607
	FR1 n77_Ant MIMO 2	100M	BPSK	270	0	Bottom of Laptop	0mm	MIMO2	ON	656000	3840	Sample 1	13.92	14.50	1.143	-0.15	0.533	0.609
	FR1 n77_Ant MIMO 2	100M	BPSK	1	1	Bottom of Laptop	16mm	MIMO2	OFF	656000	3840	Sample 1	23.62	25.00	1.374	0.11	0.521	0.716
	FR1 n77_Ant MIMO 2	100M	BPSK	135	69	Bottom of Laptop	16mm	MIMO2	OFF	656000	3840	Sample 1	23.54	25.00	1.400	-0.08	0.446	0.624
	FR1 n77_Ant MIMO 2	100M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	656000	3840	Sample 2	14.04	14.50	1.112	0.19	0.740	0.823
	FR1 n77_Ant MIMO 2	100M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	656000	3840	Sample 3	14.04	14.50	1.112	0.07	0.543	0.604
	FR1 n77_Ant MIMO 2	100M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	656000	3840	Sample 4	14.04	14.50	1.112	0.01	0.849	0.944
	FR1 n77_HPUE_Ant MIMO 2	100M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	656000	3840	Sample 4	17.02	17.50	1.117	0.03	0.813	0.908
	FR1 n77_Ant AUX	100M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	656000	3840	Sample 1	16.67	17.50	1.211	-0.17	0.619	0.749
	FR1 n77_Ant AUX	100M	BPSK	135	69	Bottom of Laptop	0mm	AUX	ON	656000	3840	Sample 1	16.64	17.50	1.219	0.17	0.665	0.811
	FR1 n77_Ant AUX	100M	BPSK	270	0	Bottom of Laptop	0mm	AUX	ON	656000	3840	Sample 1	16.62	17.50	1.225	0.04	0.651	0.797
	FR1 n77_Ant AUX	100M	BPSK	1	1	Bottom of Laptop	20mm	AUX	OFF	656000	3840	Sample 1	23.87	25.00	1.297	0.16	0.310	0.402
	FR1 n77_Ant AUX	100M	BPSK	135	69	Bottom of Laptop	20mm	AUX	OFF	656000	3840	Sample 1	23.78	25.00	1.324	-0.04	0.295	0.391
	FR1 n77_HPUE_Ant AUX	100M	BPSK	135	69	Bottom of Laptop	0mm	AUX	ON	656000	3840	Sample 1	19.58	20.50	1.236	-0.05	0.617	0.763
	FR1 n77_Ant AUX	100M	BPSK	135	69	Bottom of Laptop	0mm	AUX	ON	656000	3840	Sample 2	16.64	17.50	1.219	0.01	0.346	0.422
	FR1 n77_Ant AUX	100M	BPSK	135	69	Bottom of Laptop	0mm	AUX	ON	656000	3840	Sample 3	16.64	17.50	1.219	0.1	0.577	0.703
	FR1 n77_Ant AUX	100M	BPSK	135	69	Bottom of Laptop	0mm	AUX	ON	656000	3840	Sample 4	16.64	17.50	1.219	-0.17	0.183	0.223

	FR1 n77_Ant Main	100M	BPSK	1	1	Bottom of Laptop	0mm	Main	ON	633332	3499.98	Sample 1	14.04	15.00	1.247	0.12	0.361	0.450
	FR1 n77_Ant Main	100M	BPSK	135	69	Bottom of Laptop	0mm	Main	ON	633332	3499.98	Sample 1	14.03	15.00	1.250	0.08	0.446	0.558
	FR1 n77_Ant Main	100M	BPSK	1	1	Bottom of Laptop	24mm	Main	OFF	633332	3499.98	Sample 1	24.25	25.00	1.189	0.11	0.227	0.270
	FR1 n77_Ant Main	100M	BPSK	135	69	Bottom of Laptop	24mm	Main	OFF	633332	3499.98	Sample 1	24.07	25.00	1.239	0.1	0.299	0.370
	FR1 n77_Ant Main	100M	BPSK	135	69	Bottom of Laptop	0mm	Main	ON	633332	3499.98	Sample 2	14.03	15.00	1.250	0.03	0.725	0.906
	FR1 n77_HPUE_Ant Main	100M	BPSK	135	69	Bottom of Laptop	0mm	Main	ON	633332	3499.98	Sample 2	17.12	18.00	1.225	-0.17	0.698	0.855
	FR1 n77_Ant Main	100M	BPSK	135	69	Bottom of Laptop	0mm	Main	ON	633332	3499.98	Sample 3	14.03	15.00	1.250	-0.03	0.402	0.503
	FR1 n77_Ant Main	100M	BPSK	135	69	Bottom of Laptop	0mm	Main	ON	633332	3499.98	Sample 4	14.03	15.00	1.250	0.14	0.407	0.509
	FR1 n77_Ant MIMO 1	100M	BPSK	1	1	Bottom of Laptop	0mm	MIMO1	ON	633332	3499.98	Sample 1	8.06	9.00	1.242	0.08	0.080	0.099
	FR1 n77_Ant MIMO 1	100M	BPSK	135	69	Bottom of Laptop	0mm	MIMO1	ON	633332	3499.98	Sample 1	8.04	9.00	1.247	0.01	0.082	0.102
	FR1 n77_Ant MIMO 1	100M	BPSK	135	69	Bottom of Laptop	0mm	MIMO1	ON	633332	3499.98	Sample 2	8.04	9.00	1.247	-0.08	0.326	0.407
	FR1 n77_Ant MIMO 1	100M	BPSK	135	69	Bottom of Laptop	0mm	MIMO1	ON	633332	3499.98	Sample 3	8.04	9.00	1.247	-0.08	0.054	0.067
	FR1 n77_Ant MIMO 1	100M	BPSK	135	69	Bottom of Laptop	0mm	MIMO1	ON	633332	3499.98	Sample 4	8.04	9.00	1.247	0	0.327	0.408
	FR1 n77_HPUE_Ant MIMO 1	100M	BPSK	135	69	Bottom of Laptop	0mm	MIMO1	ON	633332	3499.98	Sample 4	11.03	12.00	1.250	0.03	0.313	0.391
	FR1 n77_Ant MIMO 2	100M	BPSK	1	1	Bottom of Laptop	0mm	MIMO2	ON	633332	3499.98	Sample 1	14.24	14.50	1.062	0.11	0.833	0.884
	FR1 n77_Ant MIMO 2	100M	BPSK	135	69	Bottom of Laptop	0mm	MIMO2	ON	633332	3499.98	Sample 1	14.15	14.50	1.084	-0.05	0.877	0.951
	FR1 n77_Ant MIMO 2	100M	BPSK	270	0	Bottom of Laptop	0mm	MIMO2	ON	633332	3499.98	Sample 1	14.11	14.50	1.094	0.18	0.828	0.906
	FR1 n77_Ant MIMO 2	100M	BPSK	1	1	Bottom of Laptop	16mm	MIMO2	OFF	633332	3499.98	Sample 1	23.50	25.00	1.413	0.11	0.665	0.939
	FR1 n77_Ant MIMO 2	100M	BPSK	135	69	Bottom of Laptop	16mm	MIMO2	OFF	633332	3499.98	Sample 1	23.40	25.00	1.445	-0.08	0.588	0.850
	FR1 n77_Ant MIMO 2	100M	BPSK	270	0	Bottom of Laptop	16mm	MIMO2	OFF	633332	3499.98	Sample 1	22.91	24.50	1.442	0.04	0.616	0.888
	FR1 n77_Ant MIMO 2	100M	BPSK	135	69	Bottom of Laptop	0mm	MIMO2	ON	633332	3499.98	Sample 2	14.15	14.50	1.084	-0.17	0.693	0.751
	FR1 n77_Ant MIMO 2	100M	BPSK	135	69	Bottom of Laptop	0mm	MIMO2	ON	633332	3499.98	Sample 3	14.15	14.50	1.084	0.17	0.655	0.710
28	FR1 n77_Ant MIMO 2	100M	BPSK	135	69	Bottom of Laptop	0mm	MIMO2	ON	633332	3499.98	Sample 4	14.15	14.50	1.084	0.07	0.962	1.043
	FR1 n77_HPUE_Ant MIMO 2	100M	BPSK	135	69	Bottom of Laptop	0mm	MIMO2	ON	633332	3499.98	Sample 4	17.21	17.50	1.069	0.03	0.923	0.987
	FR1 n77_Ant AUX	100M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	633332	3499.98	Sample 1	17.04	17.50	1.112	-0.02	0.888	0.987
	FR1 n77_Ant AUX	100M	BPSK	135	69	Bottom of Laptop	0mm	AUX	ON	633332	3499.98	Sample 1	17.01	17.50	1.119	0.14	0.859	0.962
	FR1 n77_Ant AUX	100M	BPSK	270	0	Bottom of Laptop	0mm	AUX	ON	633332	3499.98	Sample 1	17.00	17.50	1.122	0.05	0.848	0.951
	FR1 n77_Ant AUX	100M	BPSK	1	1	Bottom of Laptop	20mm	AUX	OFF	633332	3499.98	Sample 1	23.96	25.00	1.271	0.11	0.439	0.558
	FR1 n77_Ant AUX	100M	BPSK	135	69	Bottom of Laptop	20mm	AUX	OFF	633332	3499.98	Sample 1	23.89	25.00	1.291	-0.03	0.467	0.603
	FR1 n77_HPUE_Ant AUX	100M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	633332	3499.98	Sample 1	20.02	20.50	1.117	0.11	0.882	0.985
	FR1 n77_Ant AUX	100M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	633332	3499.98	Sample 2	17.04	17.50	1.112	-0.05	0.279	0.310
	FR1 n77_Ant AUX	100M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	633332	3499.98	Sample 3	17.04	17.50	1.112	0.18	0.669	0.744
	FR1 n77_Ant AUX	100M	BPSK	1	1	Bottom of Laptop	0mm	AUX	ON	633332	3499.98	Sample 4	17.04	17.50	1.112	0.14	0.391	0.435

13.2 Repeated SAR Measurement

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	WCDMA II_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	9538	1907.6	Sample 3	18.36	18.50	1.033			-0.09	1.140	-	1.177
2nd	WCDMA II_Ant Main	RMC 12.2Kbps	Bottom of Laptop	0mm	Main	ON	9538	1907.6	Sample 3	18.36	18.50	1.033			0.03	1.030	1.107	1.064
1st	LTE Band 12_Ant Main	10M_QPSK_1_0	Bottom of Laptop	0mm	Main	ON	23095	707.5	Sample 4	23.81	24.00	1.045			-0.07	1.120	-	1.170
2nd	LTE Band 12_Ant Main	10M_QPSK_1_0	Bottom of Laptop	0mm	Main	ON	23095	707.5	Sample 4	23.81	24.00	1.045			0.06	1.030	1.087	1.076
1st	LTE Band 26_Ant Main	15M_QPSK_1_0	Bottom of Laptop	0mm	Main	ON	26865	831.5	Sample 2	23.65	24.50	1.216			0.01	0.946	-	1.151
2nd	LTE Band 26_Ant Main	15M_QPSK_1_0	Bottom of Laptop	0mm	Main	ON	26865	831.5	Sample 2	23.65	24.50	1.216			0.13	0.935	1.012	1.137
1st	LTE Band 42_Ant MIMO 2	20M_QPSK_1_0	Bottom of Laptop	0mm	MIMO2	ON	42590	3500	Sample 4	16.14	16.50	1.086	62.9	1.006	0.18	1.070	-	1.169
2nd	LTE Band 42_Ant MIMO 2	20M_QPSK_1_0	Bottom of Laptop	0mm	MIMO2	ON	42590	3500	Sample 4	16.14	16.50	1.086	62.9	1.006	0.13	1.010	1.059	1.104
1st	LTE Band 66_Ant MIMO 2	20M_QPSK_1_0	Bottom of Laptop	0mm	MIMO2	ON	132572	1770	Sample 1	17.64	18.00	1.086			-0.16	1.020	-	1.108
2nd	LTE Band 66_Ant MIMO 2	20M_QPSK_1_0	Bottom of Laptop	0mm	MIMO2	ON	132572	1770	Sample 1	17.64	18.00	1.086			0.19	0.994	1.026	1.080
1st	FR1 n30_Ant Main	10M_BPSK_1_1	Bottom of Laptop	0mm	Main	ON	462000	2310	Sample 3	16.08	16.50	1.102			-0.01	1.020	-	1.124
2nd	FR1 n30_Ant Main	10M_BPSK_1_1	Bottom of Laptop	0mm	Main	ON	462000	2310	Sample 3	16.08	16.50	1.102			0.06	0.963	1.059	1.061
1st	FR1 n41_Ant MIMO 2	100M_BPSK_1_1	Bottom of Laptop	0mm	MIMO2	ON	518598	2592.99	Sample 4	15.79	16.50	1.178			-0.01	0.993	-	1.169
2nd	FR1 n41_Ant MIMO 2	100M_BPSK_1_1	Bottom of Laptop	0mm	MIMO2	ON	518598	2592.99	Sample 4	15.79	16.50	1.178			0.12	0.984	1.009	1.159
1st	FR1 n48_Ant Main	40M_BPSK_50_28	Bottom of Laptop	0mm	Main	ON	641666	3624.99	Sample 3	14.98	15.50	1.127			0	0.992	-	1.118
2nd	FR1 n48_Ant Main	40M_BPSK_50_28	Bottom of Laptop	0mm	Main	ON	641666	3624.99	Sample 3	14.98	15.50	1.127			0.06	0.933	1.063	1.052
1st	FR1 n77_Ant MIMO 2	100M_BPSK_1_1	Bottom of Laptop	0mm	MIMO2	ON	656000	3840	Sample 4	14.04	14.50	1.112			0.01	0.849	-	0.944
2nd	FR1 n77_Ant MIMO 2	100M_BPSK_1_1	Bottom of Laptop	0mm	MIMO2	ON	656000	3840	Sample 4	14.04	14.50	1.112			0.05	0.849	1.000	0.944

General Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥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.

13.3 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%

	LTE Band 41_Ant Main (Power Class 3)	LTE Band 41_Ant Main (Power Class 2)
Maximum Tune up Power (dBm)	16.5	18.5
Reported 1g SAR (W/kg)	0.604	0.595
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	28.28	30.65
Linearity SAR(W/kg)	0.65	
% deviation from expected linearity		-9.14%

13.4 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 Main	FR1 n41_Ant Main
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	14.5	17.5
Reported 1g SAR (W/kg)	0.617	0.567
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	28.18	28.12
Linearity SAR(W/kg)	0.62	
% deviation from expected linearity		-7.89%

	FR1 n41_Ant MIMO 1	FR1 n41_Ant MIMO 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	16	19
Reported 1g SAR (W/kg)	0.7	0.646
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	39.81	39.72
Linearity SAR(W/kg)	0.70	
% deviation from expected linearity		-7.50%

	FR1 n41_Ant MIMO 2	FR1 n41_Ant MIMO 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	16.5	19.5
Reported 1g SAR (W/kg)	1.169	1.058
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	44.67	44.56
Linearity SAR(W/kg)	1.17	
% deviation from expected linearity		-9.28%

	FR1 n41_Ant Aux	FR1 n41_Ant Aux
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	13.5	16.5
Reported 1g SAR (W/kg)	0.515	0.506
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	22.39	22.33
Linearity SAR(W/kg)	0.51	
% deviation from expected linearity		-1.51%

	FR1 n77_Ant Main	FR1 n77_Ant Main
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	15	18
Reported 1g SAR (W/kg)	0.906	0.855
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	31.62	31.55
Linearity SAR(W/kg)	0.90	
% deviation from expected linearity		-5.41%

	FR1 n77_Ant MIMO 1	FR1 n77_Ant MIMO 1
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	9	12
Reported 1g SAR (W/kg)	0.408	0.391
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	7.94	7.92
Linearity SAR(W/kg)	0.41	
% deviation from expected linearity		-3.94%

	FR1 n77_Ant MIMO 2	FR1 n77_Ant MIMO 2
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	14.5	17.5
Reported 1g SAR (W/kg)	1.043	0.987
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	28.18	28.12
Linearity SAR(W/kg)	1.04	
% deviation from expected linearity		-5.14%

	FR1 n77_Ant AUX	FR1 n77_Ant AUX
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	17.5	20.5
Reported 1g SAR (W/kg)	0.987	0.985
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	56.23	56.10
Linearity SAR(W/kg)	0.98	
% deviation from expected linearity		0.03%

14. Simultaneous Transmission Analysis

NO.	Simultaneous Transmission Configurations	Body
1.	WWAN Main + WWAN MIMO 2 + WLAN Main	Yes
2.	WWAN Main + WWAN MIMO 2 + WLAN/BT Aux	Yes
3.	WWAN MIMO 1 + WLAN Main	Yes
4.	WWAN MIMO 1 + WLAN/BT Aux	Yes
5.	WWAN Aux + WLAN Main	Yes
6.	WWAN Aux + WLAN/BT Aux	Yes

General Note:

1. The Intel AX211D2W WLAN/BT module (FCC ID: PD9AX211D2) is integrated into this host.
2. The Intel BE200D2W WLAN/BT module (FCC ID: PD9BE200D2) is also integrated into this host.
3. WiFi/BT SAR of 1.6 W/kg was used conservatively for the purpose of simultaneous transmission analysis.
4. The worst case WWAN SAR is using for Sim-Tx analysis.
5. The Scaled SAR summation is calculated based on the same configuration and test position.
6. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
   i) Scalar SAR summation < 1.6W/kg.
   ii) SPLSR = (SAR1 + SAR2)^1.5 / (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.
   iii) If SPLSR ≤ 0.04, simultaneously transmission SAR measurement is not necessary.
   iv) Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.
   v) The SPLSR calculated results please refer to section 14.2.

14.1 Body Exposure Conditions

WWAN Main+WWAN MIMO2+ WLAN_AL Platform

Exposure Position	1	2	3	4	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)	SPLSR	Case No.
	Maximum WWAN Main Ant	Maxmum WWAN MIMO2 Ant	WLAN Main	WLAN/BT Aux				
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
Bottom of Laptop at 0mm	1.187	1.193	1.600	1.600	3.980	3.980	0.020	Case 1

WWAN MIMO1+ WLAN_AL Platform

Exposure Position	1	2	3	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	SPLSR	Case No.
	Maximum WWAN MIMO1 Ant	WLAN Main	WLAN/BT Aux				
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
Bottom of Laptop at 0mm	0.700	1.600	1.600	2.300	2.300	0.020	Case 2

WWAN Aux+ WLAN_AL Platform

Exposure Position	1	2	3	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	SPLSR	Case No.
	Maximum WWAN Aux Ant	WLAN Main	WLAN/BT Aux				
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
Bottom of Laptop at 0mm	1.038	1.600	1.600	2.638	2.638	0.020	Case 3

WWAN Main+WWAN MIMO2+ WLAN_PPS Platform

Exposure Position	1	2	3	4	1+2+3 Summed 1g SAR (W/kg)	1+2+4 Summed 1g SAR (W/kg)	SPLSR	Case No.
	Maximum WWAN Main Ant	Maximum WWAN MIMO2 Ant	WLAN Main	WLAN/BT Aux				
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
Bottom of Laptop at 0mm	1.187	1.193	1.600	1.600	3.980	3.980	0.020	Case 4

WWAN MIMO1+ WLAN_PPS Platform

Exposure Position	1	2	3	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	SPLSR	Case No.
	Maximum WWAN MIMO1 Ant	WLAN Main	WLAN/BT Aux				
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
Bottom of Laptop at 0mm	0.700	1.600	1.600	2.300	2.300	0.010	Case 5

WWAN Aux+ WLAN_PPS Platform

Exposure Position	1	2	3	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	SPLSR	Case No.
	Maximum WWAN Aux Ant	WLAN Main	WLAN/BT Aux				
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
Bottom of Laptop at 0mm	1.038	1.600	1.600	2.638	2.638	0.010	Case 6

14.2 SPLSR Evaluation and Analysis

General Note:

1. According to antenna location of Appendix D, the minimum distance between each transmit antenna is 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. SPLSR = $(SAR_1 + SAR_2)^{1.5}$ / (*min. separation distance, mm*). If SPLSR ≤ 0.04, simultaneously transmission SAR measurement is not necessary

	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 1	Maximum WWAN Main Ant	Bottom of Laptop	1.187	0mm	280.0	2.38	0.01	Not required
	Maximum WWAN MIMO2 Ant		1.193	0mm				
	Maximum WWAN Main Ant	Bottom of Laptop	1.187	0mm	275.0	2.79	0.02	Not required
	WLAN Main Ant		1.6	0mm				
	Maximum WWAN MIMO2 Ant	Bottom of Laptop	1.193	0mm	190.0	2.79	0.02	Not required
	WLAN Main Ant		1.6	0mm				
	Maximum WWAN Main Ant	Bottom of Laptop	1.187	0mm	220.0	2.79	0.02	Not required
	WLAN/BT Aux Ant		1.6	0mm				
	Maximum WWAN MIMO2 Ant	Bottom of Laptop	1.189	0mm	240.0	2.79	0.02	Not required
	WLAN/BT Aux Ant		1.6	0mm				
Case 2	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	Maximum WWAN MIMO1 Ant	Bottom of Laptop	0.7	0mm	270.0	2.30	0.01	Not required
	WLAN Main Ant		1.6	0mm				
	Maximum WWAN MIMO1 Ant	Bottom of Laptop	0.7	0mm	225.0	2.30	0.02	Not required
	WLAN/BT Aux Ant		1.6	0mm				
Case 3	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	Maximum WWAN Aux Ant	Bottom of Laptop	1.038	0mm	225.0	2.64	0.02	Not required
	WLAN Main Ant		1.6	0mm				
	Maximum WWAN Aux Ant	Bottom of Laptop	1.038	0mm	270.0	2.64	0.02	Not required
	WLAN/BT Aux Ant		1.6	0mm				

	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 4	Maximum WWAN Main Ant	Bottom of Laptop	1.187	0mm	280.0	2.38	0.01	Not required
	Maximum WWAN MIMO2 Ant		1.193	0mm				
	Maximum WWAN Main Ant	Bottom of Laptop	1.187	0mm	370.0	2.79	0.01	Not required
	WLAN Main Ant		1.6	0mm				
	Maximum WWAN MIMO2 Ant	Bottom of Laptop	1.193	0mm	280.0	2.79	0.02	Not required
	WLAN Main Ant		1.6	0mm				
	Maximum WWAN Main Ant	Bottom of Laptop	1.187	0mm	300.0	2.79	0.02	Not required
	WLAN/BT Aux Ant		1.6	0mm				
	Maximum WWAN MIMO2 Ant	Bottom of Laptop	1.189	0mm	360.0	2.79	0.01	Not required
	WLAN/BT Aux Ant		1.6	0mm				
Case 5	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	Maximum WWAN MIMO1 Ant	Bottom of Laptop	0.7	0mm	360.0	2.30	0.01	Not required
	WLAN Main Ant		1.6	0mm				
	Maximum WWAN MIMO1 Ant	Bottom of Laptop	0.7	0mm	300.0	2.30	0.01	Not required
	WLAN/BT Aux Ant		1.6	0mm				
Case 6	Band	Position	SAR (W/kg)	Gap (mm)	Minimum distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	Maximum WWAN Aux Ant	Bottom of Laptop	1.038	0mm	300.0	2.64	0.01	Not required
	WLAN Main Ant		1.6	0mm				
	Maximum WWAN Aux Ant	Bottom of Laptop	1.038	0mm	360.0	2.64	0.01	Not required
	WLAN/BT Aux Ant		1.6	0mm				

Test Engineer：Willy Yu

15. Uncertainty Assessment

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

Declaration of Conformity:
The test results with all measurement uncertainty excluded is presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

16. 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 616217 D04 v01r02, “SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers”, Oct 2015

[10] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.

[11] FCC KDB 865664 D02 v01r02, “RF Exposure Compliance Reporting and Documentation Considerations” Oct 2015.