Ant 0 Full Power

CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	0	0	0	22.95	24
20575	20476	QPSK	1	0	0	0	23.01	24
20600	20501	QPSK	1	0	0	0	23	24
20450	20549	16QAM	1	0	0	0	22.23	23
20575	20476	16QAM	1	0	0	0	22.21	23
20600	20501	16QAM	1	0	0	0	22.12	23
20450	20549	64QAM	1	0	0	0	21.45	22
20575	20476	64QAM	1	0	0	0	21.44	22
20600	20501	64QAM	1	0	0	0	21.32	22

Ant 1 Full Power

CA_5B								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	0	0	0	22.01	23.5
20575	20476	QPSK	1	0	0	0	22.04	23.5
20600	20501	QPSK	1	0	0	0	21.89	23.5
20450	20549	16QAM	1	0	0	0	21.23	22.5
20575	20476	16QAM	1	0	0	0	21.1	22.5
20600	20501	16QAM	1	0	0	0	21.24	22.5
20450	20549	64QAM	1	0	0	0	20.45	21.5
20575	20476	64QAM	1	0	0	0	20.34	21.5
20600	20501	64QAM	1	0	0	0	20.38	21.5

Ant 2 Full

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	0	0	0	23.07	24
21100	20902	QPSK	1	0	0	0	23.14	24
21350	21152	QPSK	1	0	0	0	23.3	24
20850	21048	16QAM	1	0	0	0	22.45	23
21100	20902	16QAM	1	0	0	0	22.32	23
21350	21152	16QAM	1	0	0	0	22.33	23
20850	21048	64QAM	1	0	0	0	21.23	22
21100	20902	64QAM	1	0	0	0	21.56	22
21350	21152	64QAM	1	0	0	0	21.44	22

Ant 6 Full

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	0	0	0	22.6	23.5
21100	20902	QPSK	1	0	0	0	22.71	23.5
21350	21152	QPSK	1	0	0	0	22.76	23.5
20850	21048	16QAM	1	0	0	0	21.67	22.5
21100	20902	16QAM	1	0	0	0	21.7	22.5
21350	21152	16QAM	1	0	0	0	21.54	22.5
20850	21048	64QAM	1	0	0	0	20.67	21.5
21100	20902	64QAM	1	0	0	0	20.87	21.5
21350	21152	64QAM	1	0	0	0	20.77	21.5

Ant 2 (ENDC)

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	0	0	0	21.47	22
21100	20902	QPSK	1	0	0	0	21.46	22
21350	21152	QPSK	1	0	0	0	21.49	22

Ant 6 (ENDC)

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	0	0	0	20.96	22
21100	20902	QPSK	1	0	0	0	21.05	22
21350	21152	QPSK	1	0	0	0	21.03	22

Ant 6 (Receiver on)

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	0	0	0	18.49	20
21100	20902	QPSK	1	0	0	0	18.67	20
21350	21152	QPSK	1	0	0	0	18.69	20

Ant 6 (Simultaneous for Head)

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	0	0	0	15.4	16
21100	20902	QPSK	1	0	0	0	14.97	16
21350	21152	QPSK	1	0	0	0	14.89	16

Ant 2 Full

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	0	0	0	22.76	24
37901	38099	QPSK	1	0	0	0	22.49	24
38150	37952	QPSK	1	0	0	0	22.6	24
37850	38048	16QAM	1	0	0	0	21.91	23
37901	38099	16QAM	1	0	0	0	21.92	23
38150	37952	16QAM	1	0	0	0	21.95	23
37850	38048	64QAM	1	0	0	0	21.01	22
37901	38099	64QAM	1	0	0	0	21.03	22
38150	37952	64QAM	1	0	0	0	21	22

Ant 6 Full

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	0	0	0	22.3	23.5
37901	38099	QPSK	1	0	0	0	22.2	23.5
38150	37952	QPSK	1	0	0	0	22.37	23.5
37850	38048	16QAM	1	0	0	0	21.89	22.5
37901	38099	16QAM	1	0	0	0	21.67	22.5
38150	37952	16QAM	1	0	0	0	21.77	22.5
37850	38048	64QAM	1	0	0	0	20.98	21.5
37901	38099	64QAM	1	0	0	0	20.99	21.5
38150	37952	64QAM	1	0	0	0	20.87	21.5

Ant 2 Full

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	23.14	24
40185	40383	QPSK	1	0	0	0	23.11	24
40620	40818	QPSK	1	0	0	0	23.02	24
41055	41253	QPSK	1	0	0	0	22.89	24
41490	41292	QPSK	1	0	0	0	23.22	24
39750	39948	16QAM	1	0	0	0	22.78	23
40185	40383	16QAM	1	0	0	0	22.65	23
40620	40818	16QAM	1	0	0	0	22.78	23
41055	41253	16QAM	1	0	0	0	22.81	23
41490	41292	16QAM	1	0	0	0	22.73	23
39750	39948	64QAM	1	0	0	0	21.78	22
40185	40383	64QAM	1	0	0	0	21.65	22
40620	40818	64QAM	1	0	0	0	21.77	22
41055	41253	64QAM	1	0	0	0	21.67	22
41490	41292	64QAM	1	0	0	0	21.49	22

Ant 6 Full

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	21.94	23.5
40185	40383	QPSK	1	0	0	0	22.05	23.5
40620	40818	QPSK	1	0	0	0	21.93	23.5
41055	41253	QPSK	1	0	0	0	22.1	23.5
41490	41292	QPSK	1	0	0	0	22.17	23.5
39750	39948	16QAM	1	0	0	0	21.47	22.5
40185	40383	16QAM	1	0	0	0	21.24	22.5
40620	40818	16QAM	1	0	0	0	21.26	22.5
41055	41253	16QAM	1	0	0	0	21.43	22.5
41490	41292	16QAM	1	0	0	0	21.48	22.5
39750	39948	64QAM	1	0	0	0	20.73	21.5
40185	40383	64QAM	1	0	0	0	20.92	21.5
40620	40818	64QAM	1	0	0	0	20.79	21.5
41055	41253	64QAM	1	0	0	0	20.58	21.5
41490	41292	64QAM	1	0	0	0	20.71	21.5

Ant 6 (Receiver on)

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	0	0	19.84	21
40185	40383	QPSK	1	0	0	0	20.01	21
40620	40818	QPSK	1	0	0	0	19.83	21
41055	41253	QPSK	1	0	0	0	20.13	21
41490	41292	QPSK	1	0	0	0	20.18	21

2CA DL Full Power

CA List	PCC									SCC					Power	
	LTE Band	Antenna Port	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_7A-66A	Band 7	2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.21	23.39
	Band 7	6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.45	22.80
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.65	22.80
	Band 66	6	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	21.67	21.87
CA_5B	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 5	5M	881.2	2597		22.12	22.30
	Band 5	0	10M	836.5	20525	QPSK	1	0		Band 5	5M	881.2	2597		23.10	23.22
CA_38C	Band 38	2	20M	2585.1	37901	QPSK	1	0	4x4MIMO	Band 38	20M	2604.9	38099	4x4MIMO	22.78	22.96
	Band 38	6	20M	2585.1	37901	QPSK	1	0	4x4MIMO	Band 38	20M	2604.9	38099	4x4MIMO	22.00	22.12
CA_5A-5A	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 5	5M	891.5	2625		22.12	22.30
	Band 5	0	10M	836.5	20525	QPSK	1	0		Band 5	5M	891.5	2625		23.10	23.22
CA_7A-7A	Band 7	2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.10	23.39
	Band 7	6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	22.91	22.80
	Band 7	2	20M	2560	21350	QPSK	1	0	4x4MIMO	Band 7	5M	2622.5	2775	4x4MIMO	23.10	23.20
	Band 7	6	20M	2560	21350	QPSK	1	0	4x4MIMO	Band 7	5M	2622.5	2775	4x4MIMO	22.78	22.65

3CA DL Full Power

<Inter-Band for Three Carrier Combination> (three bands)

CA List	PCC									SCC1						SCC2						Power	
	LTE Band	Antenna Port	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_2A-4A-5A	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		22.45	22.69
	Band 2	6	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		21.65	21.89
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	4x4MIMO	22.61	22.69
	Band 4	6	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	4x4MIMO	21.65	21.85
	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.21	22.3
	Band 5	0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.34	23.22
CA_2A-4A-7A	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.45	22.69
	Band 2	6	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	21.56	21.89
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.67	22.69
	Band 4	6	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.54	21.85
	Band 7	2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.3	23.39
	Band 7	6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.56	22.8
CA_2A-4A-12A	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 12	10M	737.5	5095		22.55	22.69
	Band 2	6	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 12	10M	737.5	5095		21.67	21.89
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1960	900	4x4MIMO	22.54	22.69
	Band 4	6	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1960	900	4x4MIMO	21.65	21.85
	Band 12	1	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.1	22.35
	Band 12	0	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.12	23.3
CA_2A-4A-13A	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230		22.54	22.69
	Band 2	6	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230		21.56	21.89
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 2	20M	1960	900	4x4MIMO	22.54	22.69
	Band 4	6	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 2	20M	1960	900	4x4MIMO	21.7	21.85
	Band 13	1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.1	23.2
	Band 13	0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.9	23.92
CA_2A-7A-12A	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095		22.65	22.69
	Band 2	6	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095		21.76	21.89
	Band 7	2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1960	900	4x4MIMO	23.12	23.39
	Band 7	6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1960	900	4x4MIMO	22.65	22.8
	Band 12	1	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.12	22.35
	Band 12	0	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.1	23.3
CA_4A-7A-12A	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095		22.54	22.69
	Band 4	6	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095		21.56	21.85
	Band 7	2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 4	20M	2132.5	2175	4x4MIMO	23.12	23.39
	Band 7	6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 4	20M	2132.5	2175	4x4MIMO	22.65	22.8
	Band 12	1	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.12	22.35
	Band 12	0	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.2	23.3

<Inter-Band for Three Carrier Combination> (two bands)

CA List	PCC									SCC1						SCC2						Power	
	LTE Band	Antenna Port	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_2A-2A-4A	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.8	22.69
	Band 2	6	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.93	21.89
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.78	22.69
	Band 4	6	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	21.9	21.85
CA_2A-4A-4A	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.45	22.69
	Band 2	6	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	21.56	21.89
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.76	22.69
	Band 4	6	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.67	21.85
CA_2A-2A-5A	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		22.56	22.69
	Band 2	6	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		21.81	21.89
	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.12	22.3
	Band 5	0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.11	23.22
CA_2A-7C	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	22.45	22.69
	Band 2	6	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	21.54	21.89
	Band 7	2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.1	23.39
	Band 7	6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.65	22.8
CA_2A-12B	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		22.45	22.69
	Band 2	6	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		21.67	21.89
	Band 12	1	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 2	20M	1960	900		22.13	22.25
	Band 12	0	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 2	20M	1960	900		23.1	23.11
CA_2A-2A-13A	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230		22.56	22.69
	Band 2	6	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230		21.56	21.89
	Band 13	1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.1	23.2
	Band 13	0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.67	23.92
CA_4A-12B	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		22.56	22.69
	Band 4	6	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		21.67	21.85
	Band 12	1	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 4	20M	2132.5	2175	4x4MIMO	22.1	22.25
	Band 12	0	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 4	20M	2132.5	2175	4x4MIMO	23.1	23.11
CA_7A-12B	Band 7	2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		23.12	23.39
	Band 7	6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		22.56	22.8
	Band 12	1	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 7	20M	2655	3100	4x4MIMO	22.1	22.25
	Band 12	0	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 7	20M	2655	3100	4x4MIMO	23.02	23.11
CA_4A-4A-7A	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.45	22.69
	Band 4	6	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	21.56	21.85
	Band 7	2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.12	23.39
	Band 7	6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.56	22.8
CA_5A-7C	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	22.1	22.3
	Band 5	0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	23.12	23.22
	Band 7	2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 5	10M	881.5	2525		23.16	23.39
	Band 7	6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 5	10M	881.5	2525		22.56	22.8
CA_4A-4A-12A	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 12	10M	737.5	5095		22.48	22.69
	Band 4	6	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 12	10M	737.5	5095		21.71	21.85
	Band 12	1	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.25	22.35
	Band 12	0	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.14	23.3

4CA DL Full Power

CA List	PCC								SCC1						SCC2						SCC3					Power	
	LTE Band	Antenna Port	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_2A-2A-12A-66A	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	22.34	22.69
	Band 2	6	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	21.56	21.89
	Band 12	0	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.10	23.30
	Band 12	1	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.21	22.35
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.45	22.80
	Band 66	6	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	21.56	21.87
CA_2A-2A-66C	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2174.8	67084	4x4MIMO	22.34	22.69
	Band 2	6	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2174.8	67084	4x4MIMO	21.98	21.89
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.56	22.80
	Band 66	6	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	21.56	21.87
CA_2A-2A-66A-66A	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.54	22.69
	Band 2	6	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	21.67	21.89
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.55	22.80
	Band 66	6	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	21.67	21.87
CA_2A-5A-66A-66A	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	836.5	2525		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.76	22.69
	Band 2	6	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	836.5	2525		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	21.66	21.89
	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	22.10	22.30
	Band 5	0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	23.15	23.22
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	836.5	2525		Band 2	20M	1880	900	4x4MIMO	22.56	22.80
	Band 66	6	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	836.5	2525		Band 2	20M	1880	900	4x4MIMO	21.67	21.87
CA_2A-12A-66C	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	22.34	22.69
	Band 2	6	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	21.66	21.89
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1880	900	4x4MIMO	22.67	22.80
	Band 66	6	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1880	900	4x4MIMO	21.67	21.87
	Band 12	1	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084		Band 2	20M	1880	900	4x4MIMO	22.12	22.35
	Band 12	0	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	23.20	23.30
CA_2A-12A-66A-66A	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.56	22.69
	Band 2	6	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	21.67	21.89
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1880	900	4x4MIMO	22.56	22.80
	Band 66	6	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1880	900	4x4MIMO	21.76	21.87
CA_41A-41D	Band 41	2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	23.10	23.16
	Band 41	6	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	22.54	22.68
	Band 41	2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	Band 41	20M	2518.3	39873	4x4MIMO	Band 41	20M	2538.1	40071	4x4MIMO	23.10	23.16
	Band 41	6	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	Band 41	20M	2518.3	39873	4x4MIMO	Band 41	20M	2538.1	40071	4x4MIMO	22.40	22.68

Full Power Mode for ANT2

n2 (only SCS15KHz has 5M BW)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.02	22.97	22.11	24.0	0.0
20	PI/2 BPSK	1	53	23.01	23.07	23.16		
20	PI/2 BPSK	1	104	22.98	22.95	23.03		
20	PI/2 BPSK	50	0	22.53	22.44	22.48	24.0	0.0
20	PI/2 BPSK	50	28	23.03	22.95	22.87		
20	PI/2 BPSK	50	56	22.43	22.38	22.61		
20	PI/2 BPSK	100	0	22.57	22.44	22.51	23.5	0.5
20	QPSK	1	1	23.08	23.45	23.16	24.0	0.0
20	QPSK	1	53	23.32	23.4	23.24		
20	QPSK	1	104	23.16	23.12	23.02		
20	QPSK	50	0	23.08	23.09	22.78	24.0	0.0
20	QPSK	50	28	23.01	23.07	22.97		
20	QPSK	50	56	23.05	23.01	23.06		
20	QPSK	100	0	22.09	22.11	22.10	23.0	1.0
20	16QAM	1	1	22.00	21.96	22.05	23.0	1.0
20	64QAM	1	1	20.76	20.68	20.71	21.5	2.5
20	256QAM	1	1	18.25	18.29	18.34	19.5	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.00	23.03	23.16	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.15	23.06	23.09	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.03	22.91	22.99	24.0	0.0

n66 (only SCS15KHz has 5M BW)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	22.82	22.90	22.77	24.0	0.0
20	PI/2 BPSK	1	53	22.66	22.78	22.71		
20	PI/2 BPSK	1	104	22.85	22.92	22.76		
20	PI/2 BPSK	50	0	22.11	22.19	22.12	24.0	0.0
20	PI/2 BPSK	50	28	22.59	22.72	22.62		
20	PI/2 BPSK	50	56	22.14	22.23	22.20		
20	PI/2 BPSK	100	0	22.10	22.20	22.09	23.5	0.5
20	QPSK	1	1	22.83	22.93	22.86	24.0	0.0
20	QPSK	1	53	22.69	22.73	22.67		
20	QPSK	1	104	22.81	22.92	22.81		
20	QPSK	50	0	21.66	21.71	21.65	24.0	0.0
20	QPSK	50	28	22.69	22.77	22.66		
20	QPSK	50	56	21.72	21.77	21.67		
20	QPSK	100	0	21.65	21.74	21.65	23.0	1.0
20	16QAM	1	1	21.87	21.83	21.85	23.0	1.0
20	64QAM	1	1	20.39	20.37	20.39	21.5	2.5
20	256QAM	1	1	17.91	18.09	17.98	19.5	4.5
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.83	22.8	22.77	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.73	22.79	22.85	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.86	22.82	22.74	24.0	0.0

n38

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	22.73	22.75	22.68	24.0	0.0
20	PI/2 BPSK	1	26	22.53	22.71	22.61		
20	PI/2 BPSK	1	49	22.45	22.57	22.31		
20	PI/2 BPSK	25	0	22.09	22.22	22.15	24.0	0.0
20	PI/2 BPSK	25	13	22.42	22.64	22.51		
20	PI/2 BPSK	25	26	21.73	21.96	21.82		
20	PI/2 BPSK	50	0	21.83	21.92	21.86	23.5	0.5
20	QPSK	1	1	21.73	22.03	21.86	24.0	0.0
20	QPSK	1	26	22.28	22.46	22.32		
20	QPSK	1	49	22.02	22.15	22.11		
20	QPSK	25	0	21.19	21.31	21.15	24.0	0.0
20	QPSK	25	13	22.04	22.34	22.21		
20	QPSK	25	26	21.02	21.28	21.09		
20	QPSK	50	0	21.06	21.28	21.13	23.0	1.0
20	16QAM	1	1	20.65	20.96	20.78	23.0	1.0
20	64QAM	1	1	19.21	19.49	19.32	21.5	2.5
20	256QAM	1	1	17.02	17.25	17.11	19.5	4.5

n41 for FCC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.41	23.45	23.47	24.0	0.0
100	PI/2 BPSK	1	137	23.37	23.42	23.61		
100	PI/2 BPSK	1	271	23.51	23.45	23.54		
100	PI/2 BPSK	135	0	22.86	22.91	23.04	24.0	0.0
100	PI/2 BPSK	135	69	23.36	23.47	23.48		
100	PI/2 BPSK	135	138	22.91	23.01	23.14		
100	PI/2 BPSK	270	0	22.89	23.02	23.07	23.5	0.5
100	QPSK	1	1	23.61	23.64	23.42	24.0	0.0
100	QPSK	1	137	23.31	23.35	23.43		
100	QPSK	1	271	23.51	23.63	23.61		
100	QPSK	135	0	23.27	23.52	22.98	24.0	0.0
100	QPSK	135	69	23.12	23.36	23.51		
100	QPSK	135	138	23.32	23.21	22.86		
100	QPSK	270	0	22.36	22.58	22.57	23.0	1.0
100	16QAM	1	1	22.29	22.39	22.67	23.0	1.0
100	64QAM	1	1	21.15	21.3	21.05	21.5	2.5
100	256QAM	1	1	18.88	18.96	18.95	19.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.33	23.35	23.51	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.32	23.29	23.46	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.39	23.42	23.65	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.45	23.47	23.56	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.28	23.38	23.28	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.33	23.35	23.45	24.0	0.0

n41 for HPUE

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.12	24.23	24.26	25.0	0.0
100	PI/2 BPSK	1	137	24.01	24.07	24.05		
100	PI/2 BPSK	1	271	23.31	23.39	23.37		
100	PI/2 BPSK	135	0	23.72	23.83	23.79	25.0	0.0
100	PI/2 BPSK	135	69	24.01	24.10	24.12		
100	PI/2 BPSK	135	138	23.53	23.64	23.59		
100	PI/2 BPSK	270	0	22.95	22.99	22.97	24.5	0.5
100	QPSK	1	1	23.35	23.41	23.31	25.0	0.0
100	QPSK	1	137	23.35	23.54	23.41		
100	QPSK	1	271	22.85	22.95	22.92		
100	QPSK	135	0	22.74	22.79	22.78	25.0	0.0
100	QPSK	135	69	23.21	23.36	23.15		
100	QPSK	135	138	23.01	23.07	22.95		
100	QPSK	270	0	22.34	22.38	22.41	24.0	1.0
100	16QAM	1	1	22.42	22.54	22.53	24.0	1.0
100	64QAM	1	1	21.35	21.37	21.31	22.5	2.5
100	256QAM	1	1	19.65	19.69	19.58	20.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.12	24.15	24.01	25.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.02	24.12	24.09	25.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.19	24.22	24.12	25.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.22	24.28	24.16	25.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.11	24.19	24.16	25.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.21	24.23	24.15	25.0	0.0

Full Power Mode for ANT6

n2 (only SCS15KHz has 5M BW)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	22.20	22.07	22.19	24.0	0.0
20	PI/2 BPSK	1	53	22.25	22.15	22.25		
20	PI/2 BPSK	1	104	22.09	22.14	22.10		
20	PI/2 BPSK	50	0	21.63	21.54	21.64	24.0	0.0
20	PI/2 BPSK	50	28	22.18	22.15	22.22		
20	PI/2 BPSK	50	56	21.60	21.57	21.64		
20	PI/2 BPSK	100	0	21.62	21.63	21.62	23.5	0.5
20	QPSK	1	1	22.52	22.58	22.53	24.0	0.0
20	QPSK	1	53	22.56	22.36	22.53		
20	QPSK	1	104	22.47	22.19	22.46		
20	QPSK	50	0	21.14	21.14	21.20	24.0	0.0
20	QPSK	50	28	22.17	22.2	22.17		
20	QPSK	50	56	21.11	21.16	21.14		
20	QPSK	100	0	21.16	21.17	21.16	23.0	1.0
20	16QAM	1	1	21.39	21.18	21.44	23.0	1.0
20	64QAM	1	1	19.96	19.89	19.94	21.5	2.5
20	256QAM	1	1	17.22	17.28	17.27	19.5	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.50	22.47	22.42	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.43	22.52	22.48	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.32	22.49	22.41	24.0	0.0

n66 (only SCS15KHz has 5M BW)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	21.92	21.96	22.02	23.0	0.0
20	PI/2 BPSK	1	53	22.15	22.17	22.21		
20	PI/2 BPSK	1	104	21.90	22.01	22.15		
20	PI/2 BPSK	50	0	21.32	21.40	21.45	22.5	0.0
20	PI/2 BPSK	50	28	21.71	21.88	21.93		
20	PI/2 BPSK	50	56	21.34	21.44	21.49		
20	PI/2 BPSK	100	0	21.27	21.33	21.39	22.5	0.5
20	QPSK	1	1	22.04	22.08	22.01	23.0	0.0
20	QPSK	1	53	21.71	21.86	21.95		
20	QPSK	1	104	21.76	21.89	21.92		
20	QPSK	50	0	21.73	22.01	21.81	23.0	0.0
20	QPSK	50	28	21.78	21.87	21.93		
20	QPSK	50	56	21.82	21.95	21.98		
20	QPSK	100	0	20.81	20.91	20.88	22.0	1.0
20	16QAM	1	1	21.32	21.41	21.46	22.0	1.0
20	64QAM	1	1	19.31	19.42	19.43	20.5	2.5
20	256QAM	1	1	16.75	16.98	16.99	18.5	4.5
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.81	21.83	21.86	23.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.81	21.85	21.89	23.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.85	21.89	21.93	23.0	0.0

n38

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	22.06	22.25	22.13	24.0	0.0
20	PI/2 BPSK	1	26	22.01	22.13	22.08		
20	PI/2 BPSK	1	49	22.06	22.24	22.01		
20	PI/2 BPSK	25	0	21.45	21.65	21.56	24.0	0.0
20	PI/2 BPSK	25	13	22.14	22.24	22.15		
20	PI/2 BPSK	25	26	21.45	21.68	21.53		
20	PI/2 BPSK	50	0	21.36	21.69	21.42	23.5	0.5
20	QPSK	1	1	21.49	21.76	21.58	24.0	0.0
20	QPSK	1	26	22.11	22.22	22.09		
20	QPSK	1	49	21.75	21.86	21.83		
20	QPSK	25	0	21.01	21.14	21.06	24.0	0.0
20	QPSK	25	13	22.04	22.16	22.09		
20	QPSK	25	26	20.99	21.09	21.03		
20	QPSK	50	0	21.01	21.13	21.08	23.0	1.0
20	16QAM	1	1	20.48	20.77	20.65	23.0	1.0
20	64QAM	1	1	19.27	19.39	19.32	21.5	2.5
20	256QAM	1	1	16.72	16.93	16.85	19.5	4.5

n41 for FCC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.50	22.85	22.71	24.0	0.0
100	PI/2 BPSK	1	137	22.59	22.77	22.83		
100	PI/2 BPSK	1	271	22.32	23.01	22.73		
100	PI/2 BPSK	135	0	22.13	22.05	22.17	24.0	0.0
100	PI/2 BPSK	135	69	22.47	22.58	22.69		
100	PI/2 BPSK	135	138	22.06	22.26	22.32		
100	PI/2 BPSK	270	0	21.95	22.24	22.23	23.5	0.5
100	QPSK	1	1	22.66	23.02	22.83	24.0	0.0
100	QPSK	1	137	22.54	22.73	22.86		
100	QPSK	1	271	22.30	23.01	22.68		
100	QPSK	135	0	22.41	21.56	21.59	24.0	0.0
100	QPSK	135	69	22.45	22.6	22.71		
100	QPSK	135	138	22.35	22.77	21.63		
100	QPSK	270	0	21.43	21.82	21.81	23.0	1.0
100	16QAM	1	1	21.67	21.61	21.75	23.0	1.0
100	64QAM	1	1	19.85	20.22	19.98	21.5	2.5
100	256QAM	1	1	17.69	17.92	17.89	19.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.64	22.54	22.85	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.61	22.78	22.69	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.79	22.81	22.91	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.68	22.74	22.74	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.71	22.68	22.65	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.66	22.56	22.81	24.0	0.0

n41 for HPUE

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.35	23.46	23.44	25.0	0.0
100	PI/2 BPSK	1	137	23.15	23.21	23.18		
100	PI/2 BPSK	1	271	22.88	23.01	22.79		
100	PI/2 BPSK	135	0	22.85	22.92	22.85	25.0	0.0
100	PI/2 BPSK	135	69	23.35	23.40	23.31		
100	PI/2 BPSK	135	138	23.31	23.37	23.31		
100	PI/2 BPSK	270	0	22.71	22.81	22.75	24.5	0.5
100	QPSK	1	1	22.74	22.80	22.71	25.0	0.0
100	QPSK	1	137	23.45	23.57	23.43		
100	QPSK	1	271	22.95	23.03	23.01		
100	QPSK	135	0	22.99	23.11	23.09	25.0	0.0
100	QPSK	135	69	23.32	23.56	23.41		
100	QPSK	135	138	23.01	23.20	23.14		
100	QPSK	270	0	22.72	22.78	22.75	24.0	1.0
100	16QAM	1	1	22.85	22.98	22.97	24.0	1.0
100	64QAM	1	1	21.93	22.00	21.92	22.5	2.5
100	256QAM	1	1	20.21	20.28	20.21	20.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	23.18	23.21	23.15	25.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	23.10	23.32	23.25	25.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	23.15	23.29	23.26	25.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	23.05	23.35	23.21	25.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	23.12	23.28	23.21	25.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	23.18	23.41	23.35	25.0	0.0

Full Power Mode for ANT0

n5 (only SCS15KHz has 5M BW)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.21	23.24	23.29	24.0	0.0
20	PI/2 BPSK	1	53	23.15	23.21	23.25		
20	PI/2 BPSK	1	104	22.85	22.92	22.96		
20	PI/2 BPSK	50	0	23.11	23.14	23.19	24.0	0.0
20	PI/2 BPSK	50	28	23.01	23.05	23.09		
20	PI/2 BPSK	50	56	22.91	22.97	23.01		
20	PI/2 BPSK	100	0	22.11	22.13	22.16	23.5	0.5
20	QPSK	1	1	23.12	23.30	23.25	24.0	0.0
20	QPSK	1	53	23.01	23.07	23.14		
20	QPSK	1	104	22.79	22.84	22.91		
20	QPSK	50	0	22.69	23.15	22.79	24.0	0.0
20	QPSK	50	28	23.01	23.04	23.14		
20	QPSK	50	56	22.69	22.79	22.71		
20	QPSK	100	0	22.05	22.16	22.15	23.0	1.0
20	16QAM	1	1	22.32	22.44	22.49	23.0	1.0
20	64QAM	1	1	21.82	21.98	20.16	21.5	2.5
20	256QAM	1	1	18.21	18.28	18.31	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.09	23.15	23.21	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.11	23.18	23.25	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.06	23.12	23.19	24.0	0.0

n71 (only SCS15KHz has 5M BW)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	23.48	23.45	23.46	24.0	0.0
20	PI/2 BPSK	1	53	23.35	23.36	23.39		
20	PI/2 BPSK	1	104	23.17	23.19	23.21		
20	PI/2 BPSK	50	0	23.36	23.33	23.35	24.0	0.0
20	PI/2 BPSK	50	28	23.21	23.27	23.29		
20	PI/2 BPSK	50	56	22.63	22.65	22.71		
20	PI/2 BPSK	100	0	22.42	22.48	22.53	23.5	0.5
20	QPSK	1	1	23.21	23.49	23.25	24.0	0.0
20	QPSK	1	53	23.10	23.09	23.15		
20	QPSK	1	104	22.93	22.91	22.96		
20	QPSK	50	0	23.11	23.39	23.16	24.0	0.0
20	QPSK	50	28	23.32	23.35	23.38		
20	QPSK	50	56	23.08	23.12	23.14		
20	QPSK	100	0	22.17	22.30	22.29	23.0	1.0
20	16QAM	1	1	22.53	22.59	22.68	23.0	1.0
20	64QAM	1	1	21.01	21.08	21.15	21.5	2.5
20	256QAM	1	1	18.90	18.92	18.96	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.34	23.32	23.25	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.27	23.21	23.16	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.28	23.18	23.21	24.0	0.0

Full Power Mode for ANT1

n5 (only SCS15KHz has 5M BW)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.46	22.24	22.31	23.0	0.0
20	PI/2 BPSK	1	53	22.36	22.20	22.32		
20	PI/2 BPSK	1	104	21.92	21.97	22.02		
20	PI/2 BPSK	50	0	22.08	22.01	22.10	23.0	0.0
20	PI/2 BPSK	50	28	22.25	22.20	22.23		
20	PI/2 BPSK	50	56	22.09	22.18	22.16		
20	PI/2 BPSK	100	0	21.71	21.59	21.65	22.5	0.5
20	QPSK	1	1	22.31	22.47	22.28	23.0	0.0
20	QPSK	1	53	22.45	22.44	22.41		
20	QPSK	1	104	21.92	21.96	21.99		
20	QPSK	50	0	21.85	21.89	21.92	23.0	0.0
20	QPSK	50	28	22.07	22.19	22.18		
20	QPSK	50	56	21.86	21.83	21.87		
20	QPSK	100	0	21.09	21.15	21.14	22.0	1.0
20	16QAM	1	1	21.11	21.13	21.19	22.0	1.0
20	64QAM	1	1	19.90	19.92	19.98	20.5	2.5
20	256QAM	1	1	17.30	17.31	17.36	18.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.18	22.21	22.26	23.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.38	22.23	22.31	23.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.35	22.28	22.18	23.0	0.0

n71 (only SCS15KHz has 5M BW)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.41	22.51	22.58	23.0	0.0
20	PI/2 BPSK	1	53	22.35	22.47	22.52		
20	PI/2 BPSK	1	104	22.36	22.31	22.45		
20	PI/2 BPSK	50	0	20.01	22.11	22.16	23.0	0.0
20	PI/2 BPSK	50	28	22.10	22.05	22.12		
20	PI/2 BPSK	50	56	21.90	21.95	22.01		
20	PI/2 BPSK	100	0	21.52	21.57	21.68	22.5	0.5
20	QPSK	1	1	22.28	22.59	22.39	23.0	0.0
20	QPSK	1	53	22.43	22.46	22.51		
20	QPSK	1	104	21.95	21.99	22.05		
20	QPSK	50	0	22.08	22.16	22.14	23.0	0.0
20	QPSK	50	28	22.02	22.07	22.18		
20	QPSK	50	56	21.85	21.97	22.03		
20	QPSK	100	0	21.42	21.52	21.51	22.0	1.0
20	16QAM	1	1	22.33	21.30	21.41	22.0	1.0
20	64QAM	1	1	20.14	20.07	20.13	20.5	2.5
20	256QAM	1	1	17.85	17.86	18.01	18.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.36	22.41	22.52	23.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.33	22.38	22.49	23.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.46	22.45	22.51	23.0	0.0

Reduced Power Mode for ANT6

n2 - Receiver on

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	13.35	13.40	13.37	15.0	0.0
20	PI/2 BPSK	1	53	13.28	13.31	13.29		
20	PI/2 BPSK	1	104	13.02	13.08	13.05		
20	PI/2 BPSK	50	0	13.32	13.37	13.34	15.0	0.0
20	PI/2 BPSK	50	28	13.29	13.31	13.30		
20	PI/2 BPSK	50	56	13.18	13.25	13.22		
20	PI/2 BPSK	100	0	13.22	13.38	13.33	15.0	0.0
20	QPSK	1	1	13.45	13.66	13.55	15.0	0.0
20	QPSK	1	53	13.63	13.64	13.61		
20	QPSK	1	104	13.31	13.38	13.35		
20	QPSK	50	0	13.28	13.39	13.33	15.0	0.0
20	QPSK	50	28	13.37	13.41	13.39		
20	QPSK	50	56	13.25	13.29	13.27		
20	QPSK	100	0	13.28	13.37	13.35	15.0	0.0
20	16QAM	1	1	13.44	13.51	13.48	15.0	0.0
20	64QAM	1	1	13.39	13.42	13.41	15.0	0.0
20	256QAM	1	1	13.45	13.53	13.47	15.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	13.25	13.32	13.28	15.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	13.44	13.32	13.10	15.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	13.32	13.40	13.28	15.0	0.0

n66 - Receiver on

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	15.76	15.71	15.82	17.0	0.0
20	PI/2 BPSK	1	53	15.77	15.83	15.75		
20	PI/2 BPSK	1	104	15.73	15.72	15.76		
20	PI/2 BPSK	50	0	15.63	15.68	15.77	17.0	0.0
20	PI/2 BPSK	50	28	15.62	15.66	15.79		
20	PI/2 BPSK	50	56	15.76	15.64	15.78		
20	PI/2 BPSK	100	0	15.66	15.62	15.70	17.0	0.0
20	QPSK	1	1	15.85	15.93	15.80	17.0	0.0
20	QPSK	1	53	15.75	15.66	15.71		
20	QPSK	1	104	15.86	15.75	15.88		
20	QPSK	50	0	15.61	15.79	15.73	17.0	0.0
20	QPSK	50	28	15.65	15.69	15.76		
20	QPSK	50	56	15.74	15.66	15.73		
20	QPSK	100	0	15.58	15.77	15.71	17.0	0.0
20	16QAM	1	1	15.68	15.97	15.90	17.0	0.0
20	64QAM	1	1	15.66	15.83	15.79	17.0	0.0
20	256QAM	1	1	15.71	15.71	15.80	17.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	15.75	15.75	15.76	17.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	15.77	15.76	15.73	17.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	15.79	15.71	15.81	17.0	0.0

n41 for HPUE - Receiver on

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.32	14.45	14.38	15.5	0.0
100	PI/2 BPSK	1	137	14.30	14.43	14.36		
100	PI/2 BPSK	1	271	14.42	14.47	14.35		
100	PI/2 BPSK	135	0	14.33	14.38	14.41	15.5	0.0
100	PI/2 BPSK	135	69	14.28	14.40	14.35		
100	PI/2 BPSK	135	138	14.26	14.35	14.31		
100	PI/2 BPSK	270	0	14.28	14.38	14.30	15.5	0.0
100	QPSK	1	1	14.37	14.44	14.42	15.5	0.0
100	QPSK	1	137	14.41	14.53	14.39		
100	QPSK	1	271	14.36	14.45	14.38		
100	QPSK	135	0	14.27	14.36	14.30	15.5	0.0
100	QPSK	135	69	14.30	14.39	14.34		
100	QPSK	135	138	14.28	14.35	14.26		
100	QPSK	270	0	14.32	14.43	14.39	15.5	0.0
100	16QAM	1	1	14.38	14.44	14.28	15.5	0.0
100	64QAM	1	1	14.36	14.45	14.42	15.5	0.0
100	256QAM	1	1	14.32	14.40	14.38	15.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	14.43	14.42	14.38	15.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	14.32	14.40	14.38	15.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	14.42	14.46	14.38	15.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	14.48	14.51	14.42	15.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	14.46	14.52	14.41	15.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	14.42	14.49	14.46	15.5	0.0

n41 for HPUE - sensor / hotspot

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.21	18.30	18.28	19.0	0.0
100	PI/2 BPSK	1	137	18.18	18.25	18.22		
100	PI/2 BPSK	1	271	18.32	18.45	18.38		
100	PI/2 BPSK	135	0	18.13	18.22	18.19	19.0	0.0
100	PI/2 BPSK	135	69	18.16	18.26	18.23		
100	PI/2 BPSK	135	138	18.22	18.34	18.30		
100	PI/2 BPSK	270	0	18.18	18.24	18.16	19.0	0.5
100	QPSK	1	1	18.21	18.37	18.35	19.0	0.0
100	QPSK	1	137	18.43	18.45	18.33		
100	QPSK	1	271	18.20	18.25	18.24		
100	QPSK	135	0	18.19	18.24	18.22	19.0	0.0
100	QPSK	135	69	18.22	18.27	18.26		
100	QPSK	135	138	18.27	18.33	18.24		
100	QPSK	270	0	18.20	18.27	18.23	19.0	1.0
100	16QAM	1	1	18.28	18.40	18.32	19.0	1.0
100	64QAM	1	1	18.32	18.39	18.36	19.0	2.5
100	256QAM	1	1	18.36	18.42	18.38	19.0	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	18.28	18.36	18.30	19.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	18.16	18.32	18.29	19.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	18.38	18.42	18.40	19.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	18.42	18.38	18.36	19.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	18.32	18.36	18.28	19.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	18.10	18.29	18.23	19.0	0.0

Reduced Power Mode for ANT1

n5 - Receiver on								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.28	21.32	21.27	22.0	0.0
20	PI/2 BPSK	1	53	21.16	21.24	21.20		
20	PI/2 BPSK	1	104	20.78	20.82	21.80		
20	PI/2 BPSK	50	0	21.42	21.51	21.46	22.0	0.0
20	PI/2 BPSK	50	28	21.41	21.49	21.45		
20	PI/2 BPSK	50	56	21.32	21.35	21.33		
20	PI/2 BPSK	100	0	21.36	21.49	21.38	22.0	0.0
20	QPSK	1	1	21.42	21.54	21.48	22.0	0.0
20	QPSK	1	53	21.38	21.42	21.43		
20	QPSK	1	104	21.18	21.21	21.24		
20	QPSK	50	0	12.36	21.44	21.42	22.0	0.0
20	QPSK	50	28	21.28	21.32	21.30		
20	QPSK	50	56	21.16	21.24	21.21		
20	QPSK	100	0	21.11	21.20	21.09	22.0	0.0
20	16QAM	1	1	21.26	21.31	21.33	22.0	0.0
20	64QAM	1	1	19.97	20.08	20.06	20.5	2.5
20	256QAM	1	1	17.52	17.67	17.64	18.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.38	21.42	21.36	22.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.33	21.27	21.32	22.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.24	21.26	21.28	22.0	0.0

Reduced Power Mode for ANT2

n2 - Hotspot

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit	MPR
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)
20	PI/2 BPSK	1	1	21.31	21.01	21.05	22.0	0.0
20	PI/2 BPSK	1	53	21.46	21.19	21.24		
20	PI/2 BPSK	1	104	21.21	20.99	21.04		
20	PI/2 BPSK	50	0	21.13	21.06	21.06	22.0	0.0
20	PI/2 BPSK	50	28	21.14	21.1	21.10		
20	PI/2 BPSK	50	56	21.11	21.05	21.02		
20	PI/2 BPSK	100	0	21.10	21.04	21.09	22.0	0.5
20	QPSK	1	1	21.41	21.63	21.57	22.0	0.0
20	QPSK	1	53	21.46	21.4	21.35		
20	QPSK	1	104	21.34	21.03	21.15		
20	QPSK	50	0	21.32	21.42	21.32	22.0	0.0
20	QPSK	50	28	21.18	21.14	21.16		
20	QPSK	50	56	21.11	21.07	21.15		
20	QPSK	100	0	21.15	21.32	21.11	22.0	1.0
20	16QAM	1	1	21.16	21.29	21.15	22.0	1.0
20	64QAM	1	1	20.26	20	19.95	21.5	2.5
20	256QAM	1	1	18.06	17.81	18.12	19.5	4.5
Channel				371500	376000	380500	Tune-up limit	MPR
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)
15	QPSK	1	1	21.32	20.9	21.11	22.0	0.0
Channel				371000	376000	381000	Tune-up limit	MPR
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)
10	QPSK	1	1	21.04	21.09	21.21	22.0	0.0
Channel				370500	376000	381500	Tune-up limit	MPR
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)
5	QPSK	1	1	21.25	20.77	20.99	22.0	0.0

n66 - sensor / hotspot

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	(dBm)
20	PI/2 BPSK	1	1	22.82	22.90	22.77	23.0
20	PI/2 BPSK	1	53	22.66	22.78	22.71	
20	PI/2 BPSK	1	104	22.85	22.92	22.76	
20	PI/2 BPSK	50	0	22.11	22.19	22.12	23.0
20	PI/2 BPSK	50	28	22.59	22.72	22.62	
20	PI/2 BPSK	50	56	22.14	22.23	22.20	
20	PI/2 BPSK	100	0	22.10	22.20	22.09	23.0
20	QPSK	1	1	22.83	22.93	22.86	23.0
20	QPSK	1	53	22.69	22.73	22.67	
20	QPSK	1	104	22.81	22.92	22.81	
20	QPSK	50	0	21.66	21.71	21.65	23.0
20	QPSK	50	28	22.69	22.77	22.66	
20	QPSK	50	56	21.72	21.77	21.67	
20	QPSK	100	0	21.65	21.74	21.65	23.0
20	16QAM	1	1	21.87	21.83	21.85	22.0
20	64QAM	1	1	20.80	20.80	20.80	20.5
20	256QAM	1	1	17.91	18.09	17.98	18.5
Channel				343500	349000	354500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	(dBm)
15	QPSK	1	1	22.83	22.8	22.77	23.0
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	(dBm)
10	QPSK	1	1	22.73	22.79	22.85	23.0
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	(dBm)
5	QPSK	1	1	22.86	22.82	22.74	23.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.08	22.11	22.08	23.0	0.0
100	PI/2 BPSK	1	137	22.01	22.04	22.03		
100	PI/2 BPSK	1	271	22.09	22.15	22.13		
100	PI/2 BPSK	135	0	22.03	22.07	22.05	23.0	0.0
100	PI/2 BPSK	135	69	22.04	22.08	22.07		
100	PI/2 BPSK	135	138	21.99	22.02	22.01		
100	PI/2 BPSK	270	0	22.08	22.12	22.11	23.0	0.5
100	QPSK	1	1	22.05	22.07	22.06	23.0	0.0
100	QPSK	1	137	22.12	22.16	22.13		
100	QPSK	1	271	21.51	21.55	21.53		
100	QPSK	135	0	21.34	21.44	21.38	23.0	0.0
100	QPSK	135	69	22.11	22.14	22.13		
100	QPSK	135	138	21.03	21.07	21.04		
100	QPSK	270	0	21.22	21.26	21.23	23.0	1.0
100	16QAM	1	1	21.65	21.71	21.68	23.0	1.0
100	64QAM	1	1	21.39	21.42	21.41	22.5	2.5
100	256QAM	1	1	20.41	20.44	20.36	20.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	22.06	22.16	22.12	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	22.09	22.23	22.15	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	21.98	22.10	22.04	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	22.02	22.11	22.07	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	21.93	21.98	21.95	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	22.19	22.28	22.24	23.0	0.0

2.4GHz WLAN	Ant 8					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	17.87	18.50	100.00
		6	2437	17.92	18.50	
		11	2462	17.62	18.50	
	802.11g 6Mbps	1	2412	16.64	18.00	98.62
		6	2437	16.91	18.00	
		11	2462	16.17	18.00	
	802.11n-HT20 MCS0	1	2412	15.94	17.00	98.52
		6	2437	15.81	17.00	
		11	2462	15.66	17.00	

2.4GHz WLAN	Ant 8+10					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.91	21.50	100.00
		6	2437	20.90	21.50	
		11	2462	20.69	21.50	
	802.11g 6Mbps	1	2412	19.46	21.00	98.62
		6	2437	19.92	21.00	
		11	2462	19.23	21.00	
	802.11n-HT20 MCS0	1	2412	18.96	20.00	98.52
		6	2437	18.91	20.00	
		11	2462	18.69	20.00	

5GHz WLAN	Ant 10					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	16.30	17.50	98.28
		40	5200	16.44	17.50	
		44	5220	16.34	17.50	
		48	5240	16.26	17.50	
	802.11n-HT20 MCS0	36	5180	16.57	17.50	98.16
		40	5200	16.44	17.50	
		44	5220	16.34	17.50	
		48	5240	16.31	17.50	
	802.11n-HT40 MCS0	38	5190	15.78	17.00	96.48
		46	5230	15.93	17.00	
	802.11ac-VHT20 MCS0	36	5180	16.46	17.50	98.24
		40	5200	16.52	17.50	
		44	5220	16.42	17.50	
		48	5240	16.30	17.50	
	802.11ac-VHT40 MCS0	38	5190	15.25	16.50	96.48
		46	5230	15.12	16.50	
	802.11ac-VHT80 MCS0	42	5210	15.44	16.50	93.08

5GHz WLAN	Ant 9+10					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	19.64	20.50	98.28
		40	5200	19.79	20.50	
		44	5220	19.94	20.50	
		48	5240	19.91	20.50	
	802.11n-HT20 MCS0	36	5180	19.75	20.50	98.16
		40	5200	19.72	20.50	
		44	5220	19.86	20.50	
		48	5240	19.90	20.50	
	802.11n-HT40 MCS0	38	5190	19.20	20.00	96.48
		46	5230	19.50	20.00	
	802.11ac-VHT20 MCS0	36	5180	19.65	20.50	98.24
		40	5200	19.82	20.50	
		44	5220	19.88	20.50	
		48	5240	19.81	20.50	
	802.11ac-VHT40 MCS0	38	5190	18.53	19.00	96.48
		46	5230	18.68	19.00	
	802.11ac-VHT80 MCS0	42	5210	18.76	19.00	93.08

5GHz WLAN	Ant 9					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	16.94	17.50	98.28
		40	5200	17.11	17.50	
		44	5220	17.45	17.50	
		48	5240	17.47	17.50	
	802.11n-HT20 MCS0	36	5180	16.91	17.50	98.16
		40	5200	16.96	17.50	
		44	5220	17.30	17.50	
		48	5240	17.40	17.50	
	802.11n-HT40 MCS0	38	5190	16.58	17.00	96.48
		46	5230	16.99	17.00	
	802.11ac-VHT20 MCS0	36	5180	16.81	17.50	96.48
		40	5200	17.09	17.50	
		44	5220	17.29	17.50	
		48	5240	17.25	17.50	
	802.11ac-VHT40 MCS0	38	5190	15.79	16.50	96.48
		46	5230	16.17	16.50	
	802.11ac-VHT80 MCS0	42	5210	16.03	16.50	93.08

5GHz WLAN	Ant 10					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	16.04	17.50	98.28
		56	5280	16.11	17.50	
		60	5300	16.39	17.50	
		64	5320	16.36	17.50	
	802.11n-HT20 MCS0	52	5260	16.26	17.50	98.16
		56	5280	16.42	17.50	
		60	5300	16.37	17.50	
		64	5320	16.65	17.50	
	802.11n-HT40 MCS0	54	5270	15.77	17.00	96.48
		62	5310	15.89	17.00	
	802.11ac-VHT20 MCS0	52	5260	16.45	17.50	98.24
		56	5280	16.59	17.50	
		60	5300	16.66	17.50	
		64	5320	16.62	17.50	
	802.11ac-VHT40 MCS0	54	5270	15.23	16.50	96.48
		62	5310	15.45	16.50	
	802.11ac-VHT80 MCS0	58	5290	15.47	16.50	93.08

5GHz WLAN	Ant 9+10					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.78	20.50	98.28
		56	5280	19.75	20.50	
		60	5300	19.77	20.50	
		64	5320	19.68	20.50	
	802.11n-HT20 MCS0	52	5260	19.83	20.00	98.16
		56	5280	19.83	20.00	
		60	5300	19.64	20.00	
		64	5320	19.69	20.00	
	802.11n-HT40 MCS0	54	5270	19.40	20.00	96.48
		62	5310	19.30	20.00	
	802.11ac-VHT20 MCS0	52	5260	19.92	20.00	98.24
		56	5280	19.96	20.00	
		60	5300	19.84	20.00	
		64	5320	19.79	20.00	
	802.11ac-VHT40 MCS0	54	5270	18.70	19.00	96.48
		62	5310	18.63	19.00	
	802.11ac-VHT80 MCS0	58	5290	18.81	19.00	93.08

5GHz WLAN	Ant 9					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	17.41	17.50	98.28
		56	5280	17.30	17.50	
		60	5300	17.11	17.50	
		64	5320	16.97	17.50	
	802.11n-HT20 MCS0	52	5260	17.31	17.50	98.16
		56	5280	17.19	17.50	
		60	5300	16.87	17.50	
		64	5320	16.71	17.50	
	802.11n-HT40 MCS0	54	5270	16.94	17.00	96.48
		62	5310	16.67	17.00	
	802.11ac-VHT20 MCS0	52	5260	17.33	17.50	96.48
		56	5280	17.29	17.50	
		60	5300	17.00	17.50	
		64	5320	16.93	17.50	
	802.11ac-VHT40 MCS0	54	5270	16.11	16.50	96.48
		62	5310	15.79	16.50	
	802.11ac-VHT80 MCS0	58	5290	16.10	16.50	93.08

5GHz WLAN	Ant 10					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	16.31	18.00	98.28
		116	5580	17.13	18.00	
		132	5660	16.81	18.00	
		140	5700	16.64	18.00	
	802.11n-HT20 MCS0	100	5500	16.76	18.00	98.16
		116	5580	16.86	18.00	
		132	5660	16.52	18.00	
		140	5700	16.35	18.00	
	802.11n-HT40 MCS0	102	5510	15.87	17.00	96.48
		110	5550	16.07	17.00	
		134	5670	15.57	17.00	
	802.11ac-VHT20 MCS0	100	5500	16.39	17.50	98.24
		116	5580	16.39	17.50	
		132	5660	16.14	17.50	
		140	5700	15.63	17.50	
	802.11ac-VHT40 MCS0	102	5510	14.64	16.00	96.48
		110	5550	15.04	16.00	
		134	5670	14.51	16.00	
	802.11ac-VHT80 MCS0	106	5530	15.92	17.00	93.08

5GHz WLAN	Ant 9+10					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	19.99	21.00	98.28
		116	5580	19.79	21.00	
		132	5660	19.96	21.00	
		140	5700	20.19	21.00	
	802.11n-HT20 MCS0	100	5500	20.02	20.50	98.16
		116	5580	19.62	20.50	
		132	5660	19.95	20.50	
		140	5700	19.89	20.50	
	802.11n-HT40 MCS0	102	5510	19.30	20.50	96.48
		110	5550	19.16	20.50	
		134	5670	19.30	20.50	
	802.11ac-VHT20 MCS0	100	5500	19.57	20.50	98.24
		116	5580	19.25	20.50	
		132	5660	19.63	20.50	
		140	5700	19.44	20.50	
	802.11ac-VHT40 MCS0	102	5510	18.28	19.00	96.48
		110	5550	18.22	19.00	
		134	5670	18.19	19.00	
	802.11ac-VHT80 MCS0	106	5530	19.06	19.50	93.08

5GHz WLAN	Ant 9					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.57	18.00	98.28
		116	5580	16.41	18.00	
		132	5660	17.10	18.00	
		140	5700	17.66	18.00	
	802.11n-HT20 MCS0	100	5500	17.24	18.00	98.16
		116	5580	16.34	18.00	
		132	5660	17.32	18.00	
		140	5700	17.36	18.00	
	802.11n-HT40 MCS0	102	5510	16.68	17.00	96.48
		110	5550	16.23	17.00	
		134	5670	16.92	17.00	
	802.11ac-VHT20 MCS0	100	5500	16.73	17.50	96.48
		116	5580	16.09	17.50	
		132	5660	17.06	17.50	
		140	5700	17.11	17.50	
	802.11ac-VHT40 MCS0	102	5510	15.83	16.00	96.48
		110	5550	15.39	16.00	
		134	5670	15.77	16.00	
	802.11ac-VHT80 MCS0	106	5530	16.17	17.00	93.08

5GHz WLAN	Ant 10					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	17.31	18.50	98.28
		157	5785	17.46	18.50	
		165	5825	17.70	18.50	
	802.11n-HT20 MCS0	149	5745	16.14	17.50	98.16
		157	5785	16.33	17.50	
		165	5825	16.69	17.50	
	802.11n-HT40 MCS0	151	5755	16.21	17.50	96.48
		159	5795	16.68	17.50	
	802.11ac-VHT20 MCS0	149	5745	16.31	17.50	98.24
		157	5785	16.20	17.50	
		165	5825	16.69	17.50	
	802.11ac-VHT40 MCS0	151	5755	15.37	16.50	96.48
		159	5795	15.55	16.50	
	802.11ac-VHT80 MCS0	155	5775	15.93	16.50	93.08

5GHz WLAN	Ant 9+10					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.64	21.50	98.28
		157	5785	20.54	21.50	
		165	5825	20.82	21.50	
	802.11n-HT20 MCS0	149	5745	19.54	20.00	98.16
		157	5785	19.66	20.00	
		165	5825	19.87	20.00	
	802.11n-HT40 MCS0	151	5755	19.52	20.00	96.48
		159	5795	19.79	20.00	
	802.11ac-VHT20 MCS0	149	5745	19.68	20.00	98.24
		157	5785	19.54	20.00	
		165	5825	19.95	20.00	
	802.11ac-VHT40 MCS0	151	5755	18.63	20.00	96.48
		159	5795	18.81	20.00	
	802.11ac-VHT80 MCS0	155	5775	19.04	20.00	93.08

5GHz WLAN	Ant 9					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	17.93	18.50	98.28
		157	5785	17.60	18.50	
		165	5825	17.93	18.50	
	802.11n-HT20 MCS0	149	5745	16.89	17.50	98.16
		157	5785	16.95	17.50	
		165	5825	17.02	17.50	
	802.11n-HT40 MCS0	151	5755	16.80	17.50	96.48
		159	5795	16.89	17.50	
	802.11ac-VHT20 MCS0	149	5745	17.00	17.50	96.48
		157	5785	16.85	17.50	
		165	5825	17.19	17.50	
	802.11ac-VHT40 MCS0	151	5755	15.87	16.50	96.48
		159	5795	16.05	16.50	
	802.11ac-VHT80 MCS0	155	5775	16.13	16.50	93.08

BR / EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	11.20	7.94	8.09
	CH 39	2441	12.63	10.14	10.13
	CH 78	2480	11.41	9.15	9.20
Tune-up Limit			13.5	11	11

LE 4.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	6.00
	CH 19	2440	7.16
	CH 39	2480	6.39
Tune-up Limit			8

LE 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
			1Mbps
LE	CH 00	2402	5.67
	CH 19	2440	7.13
	CH 39	2480	6.64
Tune-up Limit			8

2.4GHz WLAN	Ant 8 For Head (Simultaneous)					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	12.69	13.00	100.00
		6	2437	12.74	13.00	
		11	2462	12.52	13.00	
	802.11g 6Mbps	1	2412	Not Inquired	13.00	98.62
		6	2437		13.00	
		11	2462		13.00	
	802.11n-HT20 MCS0	1	2412		13.00	98.52
		6	2437		13.00	
		11	2462		13.00	

2.4GHz WLAN	Ant 8+10 For Head (Simultaneous)					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	15.76	16.00	100.00
		6	2437	15.73	16.00	
		11	2462	15.53	16.00	
	802.11g 6Mbps	1	2412	Not Inquired	16.00	98.62
		6	2437		16.00	
		11	2462		16.00	
	802.11n-HT20 MCS0	1	2412		16.00	98.52
		6	2437		16.00	
		11	2462		16.00	

5GHz WLAN	Ant 10 For Sensor / Hotspot					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.69	16.00	98.28
		40	5200	14.86	16.00	
		44	5220	14.79	16.00	
		48	5240	14.69	16.00	
	802.11n-HT20 MCS0	36	5180	Not Inquired	16.00	98.16
		40	5200		16.00	
		44	5220		16.00	
		48	5240		16.00	
	802.11n-HT40 MCS0	38	5190		15.50	96.48
		46	5230		15.50	
	802.11ac-VHT20 MCS0	36	5180		16.00	98.24
		40	5200		16.00	
		44	5220		16.00	
		48	5240		16.00	
	802.11ac-VHT40 MCS0	38	5190		15.50	96.48
		46	5230		15.50	
	802.11ac-VHT80 MCS0	42	5210		15.50	93.08

5GHz WLAN	Ant 9+10 For Sensor / Hotspot					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.21	19.00	98.28
		40	5200	18.31	19.00	
		44	5220	18.55	19.00	
		48	5240	18.52	19.00	
	802.11n-HT20 MCS0	36	5180	Not Inquired	19.00	98.16
		40	5200		19.00	
		44	5220		19.00	
		48	5240		19.00	
	802.11n-HT40 MCS0	38	5190		18.00	96.48
		46	5230		18.00	
	802.11ac-VHT20 MCS0	36	5180		19.00	98.24
		40	5200		19.00	
		44	5220		19.00	
		48	5240		19.00	
	802.11ac-VHT40 MCS0	38	5190		18.00	96.48
		46	5230		18.00	
	802.11ac-VHT80 MCS0	42	5210		18.00	93.08

5GHz WLAN	Ant 10 For Body 10mm (Simultaneous)					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	10.15	11.00	98.28
		40	5200	10.21	11.00	
		44	5220	10.22	11.00	
		48	5240	10.13	11.00	
	802.11n-HT20 MCS0	36	5180	Not Inquired	11.00	98.16
		40	5200		11.00	
		44	5220		11.00	
		48	5240		11.00	
	802.11n-HT40 MCS0	38	5190		10.50	96.48
		46	5230		10.50	
	802.11ac-VHT20 MCS0	36	5180		11.00	98.24
		40	5200		11.00	
		44	5220		11.00	
		48	5240		11.00	
	802.11ac-VHT40 MCS0	38	5190		10.50	96.48
		46	5230		10.50	
	802.11ac-VHT80 MCS0	42	5210		10.50	93.08

5GHz WLAN	Ant 10 For Sensor					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	15.00	16.50	98.28
		56	5280	14.94	16.50	
		60	5300	15.13	16.50	
		64	5320	15.24	16.50	
	802.11n-HT20 MCS0	52	5260	Not Inquired	16.50	98.16
		56	5280		16.50	
		60	5300		16.50	
		64	5320		16.50	
	802.11n-HT40 MCS0	54	5270		15.50	96.48
		62	5310		15.50	
	802.11ac-VHT20 MCS0	52	5260		16.50	98.24
		56	5280		16.50	
		60	5300		16.50	
		64	5320		16.50	
	802.11ac-VHT40 MCS0	54	5270		15.50	96.48
		62	5310		15.50	
	802.11ac-VHT80 MCS0	58	5290		15.50	93.08

5GHz WLAN	Ant 9+10 For Sensor					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.51	19.50	98.28
		56	5280	18.38	19.50	
		60	5300	18.40	19.50	
		64	5320	18.32	19.50	
	802.11n-HT20 MCS0	52	5260	Not Inquired	19.50	98.16
		56	5280		19.50	
		60	5300		19.50	
		64	5320		19.50	
	802.11n-HT40 MCS0	54	5270		19.00	96.48
		62	5310		19.00	
	802.11ac-VHT20 MCS0	52	5260		19.50	98.24
		56	5280		19.50	
		60	5300		19.50	
		64	5320		19.50	
	802.11ac-VHT40 MCS0	54	5270		19.00	96.48
		62	5310		19.00	
	802.11ac-VHT80 MCS0	58	5290		19.00	93.08

5GHz WLAN	Ant 10 For Body 0mm (Simultaneous)					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	12.49	14.00	98.28
		56	5280	12.46	14.00	
		60	5300	12.76	14.00	
		64	5320	12.69	14.00	
	802.11n-HT20 MCS0	52	5260	Not Inquired	14.00	98.16
		56	5280		14.00	
		60	5300		14.00	
		64	5320		14.00	
	802.11n-HT40 MCS0	54	5270		13.00	96.48
		62	5310		13.00	
	802.11ac-VHT20 MCS0	52	5260		14.00	98.24
		56	5280		14.00	
		60	5300		14.00	
		64	5320		14.00	
	802.11ac-VHT40 MCS0	54	5270		13.00	96.48
		62	5310		13.00	
	802.11ac-VHT80 MCS0	58	5290		13.00	93.08

5GHz WLAN	Ant 10 For Sensor					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	15.21	17.00	98.28
		116	5580	15.90	17.00	
		132	5660	15.70	17.00	
		140	5700	15.52	17.00	
	802.11n-HT20 MCS0	100	5500	Not Inquired	17.00	98.16
		116	5580		17.00	
		132	5660		17.00	
		140	5700		17.00	
	802.11n-HT40 MCS0	102	5510		16.00	96.48
		110	5550		16.00	
		134	5670		16.00	
	802.11ac-VHT20 MCS0	100	5500		17.00	98.24
		116	5580		17.00	
		132	5660		17.00	
		140	5700		17.00	
	802.11ac-VHT40 MCS0	102	5510		16.00	96.48
		110	5550		16.00	
		134	5670		16.00	
	802.11ac-VHT80 MCS0	106	5530		16.00	93.08

5GHz WLAN	Ant 9+10 For Sensor					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	19.44	20.00	98.28
		116	5580	18.54	20.00	
		132	5660	18.85	20.00	
		140	5700	18.99	20.00	
	802.11n-HT20 MCS0	100	5500	Not Inquired	20.00	98.16
		116	5580		20.00	
		132	5660		20.00	
		140	5700		20.00	
	802.11n-HT40 MCS0	102	5510		19.00	96.48
		110	5550		19.00	
		134	5670		19.00	
	802.11ac-VHT20 MCS0	100	5500		20.00	98.24
		116	5580		20.00	
		132	5660		20.00	
		140	5700		20.00	
	802.11ac-VHT40 MCS0	102	5510		19.00	96.48
		110	5550		19.00	
		134	5670		19.00	
	802.11ac-VHT80 MCS0	106	5530		19.00	93.08

5GHz WLAN	Ant 10 For Body 0mm (Simultaneous)					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	13.76	15.50	98.28
		116	5580	14.40	15.50	
		132	5660	14.22	15.50	
		140	5700	14.10	15.50	
	802.11n-HT20 MCS0	100	5500	Not Inquired	15.50	98.16
		116	5580		15.50	
		132	5660		15.50	
		140	5700		15.50	
	802.11n-HT40 MCS0	102	5510		15.00	96.48
		110	5550		15.00	
		134	5670		15.00	
	802.11ac-VHT20 MCS0	100	5500		15.50	98.24
		116	5580		15.50	
		132	5660		15.50	
		140	5700		15.50	
	802.11ac-VHT40 MCS0	102	5510		15.00	96.48
		110	5550		15.00	
		134	5670		15.00	
	802.11ac-VHT80 MCS0	106	5530		15.00	93.08

5GHz WLAN	Ant 10 For Sensor / Hotspot					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	15.14	16.50	98.28
		157	5785	15.23	16.50	
		165	5825	15.40	16.50	
	802.11n-HT20 MCS0	149	5745	Not Inquired	16.50	98.16
		157	5785		16.50	
		165	5825		16.50	
	802.11n-HT40 MCS0	151	5755		15.50	96.48
		159	5795		15.50	
	802.11ac-VHT20 MCS0	149	5745		16.50	98.24
		157	5785		16.50	
		165	5825		16.50	
	802.11ac-VHT40 MCS0	151	5755		15.50	96.48
		159	5795		15.50	
	802.11ac-VHT80 MCS0	155	5775		15.50	93.08

5GHz WLAN	Ant 9+10 For Sensor / Hotspot					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	18.47	19.50	98.28
		157	5785	18.31	19.50	
		165	5825	18.63	19.50	
	802.11n-HT20 MCS0	149	5745	Not Inquired	18.00	98.16
		157	5785		18.00	
		165	5825		18.00	
	802.11n-HT40 MCS0	151	5755		18.00	96.48
		159	5795		18.00	
	802.11ac-VHT20 MCS0	149	5745		18.00	98.24
		157	5785		18.00	
		165	5825		18.00	
	802.11ac-VHT40 MCS0	151	5755		18.00	96.48
		159	5795		18.00	
	802.11ac-VHT80 MCS0	155	5775		18.00	93.08

5GHz WLAN	Ant 10 For Body 0mm (Simultaneous)					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	14.77	15.50	98.28
		157	5785	14.81	15.50	
		165	5825	15.01	15.50	
	802.11n-HT20 MCS0	149	5745	Not Inquired	15.50	98.16
		157	5785		15.50	
		165	5825		15.50	
	802.11n-HT40 MCS0	151	5755		15.00	96.48
		159	5795		15.00	
	802.11ac-VHT20 MCS0	149	5745		15.50	98.24
		157	5785		15.50	
		165	5825		15.50	
	802.11ac-VHT40 MCS0	151	5755		15.00	96.48
		159	5795		15.00	
	802.11ac-VHT80 MCS0	155	5775		15.00	93.08

5GHz WLAN	Ant 9+10 For Body 10mm (Simultaneous)					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	13.46	14.00	98.28
		40	5200	13.66	14.00	
		44	5220	13.67	14.00	
		48	5240	13.67	14.00	
	802.11n-HT20 MCS0	36	5180	Not Inquired	14.00	98.16
		40	5200		14.00	
		44	5220		14.00	
		48	5240		14.00	
	802.11n-HT40 MCS0	38	5190		13.50	96.48
		46	5230		13.50	
	802.11ac-VHT20 MCS0	36	5180		14.00	98.24
		40	5200		14.00	
		44	5220		14.00	
		48	5240		14.00	
	802.11ac-VHT40 MCS0	38	5190		13.50	96.48
		46	5230		13.50	
	802.11ac-VHT80 MCS0	42	5210		13.50	93.08

5GHz WLAN	Ant 9 For Sensor / Hotspot					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Inquired	16.00	98.28
		40	5200		16.00	
		44	5220		16.00	
		48	5240		16.00	
	802.11n-HT20 MCS0	36	5180		16.00	98.16
		40	5200		16.00	
		44	5220		16.00	
		48	5240		16.00	
	802.11n-HT40 MCS0	38	5190		15.50	96.48
		46	5230		15.50	
	802.11ac-VHT20 MCS0	36	5180		16.00	98.24
		40	5200		16.00	
		44	5220		16.00	
		48	5240		16.00	
	802.11ac-VHT40 MCS0	38	5190		15.50	96.48
		46	5230		15.50	
	802.11ac-VHT80 MCS0	42	5210		15.50	93.08

5GHz WLAN	Ant 9 For Body 10mm (Simultaneous)					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Inquired	11.00	98.28
		40	5200		11.00	
		44	5220		11.00	
		48	5240		11.00	
	802.11n-HT20 MCS0	36	5180		11.00	98.16
		40	5200		11.00	
		44	5220		11.00	
		48	5240		11.00	
	802.11n-HT40 MCS0	38	5190		10.50	96.48
		46	5230		10.50	
	802.11ac-VHT20 MCS0	36	5180		11.00	98.24
		40	5200		11.00	
		44	5220		11.00	
		48	5240		11.00	
	802.11ac-VHT40 MCS0	38	5190		10.50	96.48
		46	5230		10.50	
	802.11ac-VHT80 MCS0	42	5210		10.50	93.08

5GHz WLAN	Ant 9+10 For Body 0mm (Simultaneous)					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	16.20	17.00	98.28
		56	5280	16.12	17.00	
		60	5300	16.14	17.00	
		64	5320	16.07	17.00	
	802.11n-HT20 MCS0	52	5260	Not Inquired	17.00	98.16
		56	5280		17.00	
		60	5300		17.00	
		64	5320		17.00	
	802.11n-HT40 MCS0	54	5270		16.50	96.48
		62	5310		16.50	
	802.11ac-VHT20 MCS0	52	5260		17.00	98.24
		56	5280		17.00	
		60	5300		17.00	
		64	5320		17.00	
	802.11ac-VHT40 MCS0	54	5270		16.50	96.48
		62	5310		16.50	
	802.11ac-VHT80 MCS0	58	5290		16.50	93.08

5GHz WLAN	Ant 10 For Body 10mm (Simultaneous)					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	10.93	12.50	98.28
		56	5280	11.00	12.50	
		60	5300	11.26	12.50	
		64	5320	11.15	12.50	
	802.11n-HT20 MCS0	52	5260	Not Inquired	12.50	98.16
		56	5280		12.50	
		60	5300		12.50	
		64	5320		12.50	
	802.11n-HT40 MCS0	54	5270		12.00	96.48
		62	5310		12.00	
	802.11ac-VHT20 MCS0	52	5260		12.50	98.24
		56	5280		12.50	
		60	5300		12.50	
		64	5320		12.50	
	802.11ac-VHT40 MCS0	54	5270		12.00	96.48
		62	5310		12.00	
	802.11ac-VHT80 MCS0	58	5290		12.00	93.08

5GHz WLAN	Ant 9+10 For Body 10mm (Simultaneous)					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	14.66	15.50	98.28
		56	5280	14.61	15.50	
		60	5300	14.66	15.50	
		64	5320	14.55	15.50	
	802.11n-HT20 MCS0	52	5260	Not Inquired	15.50	98.16
		56	5280		15.50	
		60	5300		15.50	
		64	5320		15.50	
	802.11n-HT40 MCS0	54	5270		15.00	96.48
		62	5310		15.00	
	802.11ac-VHT20 MCS0	52	5260		15.50	98.24
		56	5280		15.50	
		60	5300		15.50	
		64	5320		15.50	
	802.11ac-VHT40 MCS0	54	5270		15.00	96.48
		62	5310		15.00	
	802.11ac-VHT80 MCS0	58	5290		15.00	93.08

5GHz WLAN	Ant 9+10 For Body 0mm (Simultaneous)					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.41	18.50	98.28
		116	5580	17.20	18.50	
		132	5660	17.32	18.50	
		140	5700	17.85	18.50	
	802.11n-HT20 MCS0	100	5500	Not Inquired	18.50	98.16
		116	5580		18.50	
		132	5660		18.50	
		140	5700		18.50	
	802.11n-HT40 MCS0	102	5510		18.00	96.48
		110	5550		18.00	
		134	5670		18.00	
	802.11ac-VHT20 MCS0	100	5500		18.50	98.24
		116	5580		18.50	
		132	5660		18.50	
		140	5700		18.50	
	802.11ac-VHT40 MCS0	102	5510		18.00	96.48
		110	5550		18.00	
		134	5670		18.00	
	802.11ac-VHT80 MCS0	106	5530		18.00	93.08

5GHz WLAN	Ant 10 For Body 10mm (Simultaneous)					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	10.66	12.50	98.28
		116	5580	11.50	12.50	
		132	5660	11.17	12.50	
		140	5700	11.05	12.50	
	802.11n-HT20 MCS0	100	5500	Not Inquired	12.50	98.16
		116	5580		12.50	
		132	5660		12.50	
		140	5700		12.50	
	802.11n-HT40 MCS0	102	5510		12.00	96.48
		110	5550		12.00	
		134	5670		12.00	
	802.11ac-VHT20 MCS0	100	5500		12.50	98.24
		116	5580		12.50	
		132	5660		12.50	
		140	5700		12.50	
	802.11ac-VHT40 MCS0	102	5510		12.00	96.48
		110	5550		12.00	
		134	5670		12.00	
	802.11ac-VHT80 MCS0	106	5530		12.00	93.08

5GHz WLAN	Ant 9+10 For Body 10mm (Simultaneous)					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.81	15.50	98.28
		116	5580	14.70	15.50	
		132	5660	14.94	15.50	
		140	5700	15.17	15.50	
	802.11n-HT20 MCS0	100	5500	Not Inquired	15.50	98.16
		116	5580		15.50	
		132	5660		15.50	
		140	5700		15.50	
	802.11n-HT40 MCS0	102	5510		15.00	96.48
		110	5550		15.00	
		134	5670		15.00	
	802.11ac-VHT20 MCS0	100	5500		15.50	98.24
		116	5580		15.50	
		132	5660		15.50	
		140	5700		15.50	
	802.11ac-VHT40 MCS0	102	5510		15.00	96.48
		110	5550		15.00	
		134	5670		15.00	
	802.11ac-VHT80 MCS0	106	5530		15.00	93.08

5GHz WLAN	Ant 9+10 For Body 0mm (Simultaneous)					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	18.03	18.50	98.28
		157	5785	17.93	18.50	
		165	5825	18.21	18.50	
	802.11n-HT20 MCS0	149	5745	Not Inquired	18.50	98.16
		157	5785		18.50	
		165	5825		18.50	
	802.11n-HT40 MCS0	151	5755		18.00	96.48
		159	5795		18.00	
	802.11ac-VHT20 MCS0	149	5745		18.50	98.24
		157	5785		18.50	
		165	5825		18.50	
	802.11ac-VHT40 MCS0	151	5755		18.00	96.48
		159	5795		18.00	
	802.11ac-VHT80 MCS0	155	5775		18.00	93.08

5GHz WLAN	Ant 10 For Body 10mm (Simultaneous)					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	11.19	12.00	98.28
		157	5785	11.34	12.00	
		165	5825	11.69	12.00	
	802.11n-HT20 MCS0	149	5745	Not Inquired	12.00	98.16
		157	5785		12.00	
		165	5825		12.00	
	802.11n-HT40 MCS0	151	5755		11.50	96.48
		159	5795		11.50	
	802.11ac-VHT20 MCS0	149	5745		12.00	98.24
		157	5785		12.00	
		165	5825		12.00	
	802.11ac-VHT40 MCS0	151	5755		11.50	96.48
		159	5795		11.50	
	802.11ac-VHT80 MCS0	155	5775		11.50	93.08

5GHz WLAN	Ant 9+10 For Body 10mm (Simultaneous)					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	14.54	15.00	98.28
		157	5785	14.39	15.00	
		165	5825	14.73	15.00	
	802.11n-HT20 MCS0	149	5745	Not Inquired	15.00	98.16
		157	5785		15.00	
		165	5825		15.00	
	802.11n-HT40 MCS0	151	5755		14.50	96.48
		159	5795		14.50	
	802.11ac-VHT20 MCS0	149	5745		15.00	98.24
		157	5785		15.00	
		165	5825		15.00	
	802.11ac-VHT40 MCS0	151	5755		14.50	96.48
		159	5795		14.50	
	802.11ac-VHT80 MCS0	155	5775		14.50	93.08

5GHz WLAN	Ant 9 For Sensor						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Inquired	16.50	Not Inquired	98.28
		56	5280		16.50		
		60	5300		16.50		
		64	5320		16.50		
	802.11n-HT20 MCS0	52	5260		16.50		98.16
		56	5280		16.50		
		60	5300		16.50		
		64	5320		16.50		
	802.11n-HT40 MCS0	54	5270		15.50		96.48
		62	5310		15.50		
	802.11ac-VHT20 MCS0	52	5260		16.50		98.24
		56	5280		16.50		
		60	5300		16.50		
		64	5320		16.50		
	802.11ac-VHT40 MCS0	54	5270		15.50		96.48
		62	5310		15.50		
	802.11ac-VHT80 MCS0	58	5290		15.50		93.08

5GHz WLAN	Ant 9 For Body 0mm (Simultaneous)						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Inquired	14.00	Not Inquired	98.28
		56	5280		14.00		
		60	5300		14.00		
		64	5320		14.00		
	802.11n-HT20 MCS0	52	5260		14.00		98.16
		56	5280		14.00		
		60	5300		14.00		
		64	5320		14.00		
	802.11n-HT40 MCS0	54	5270		13.00		96.48
		62	5310		13.00		
	802.11ac-VHT20 MCS0	52	5260		14.00		98.24
		56	5280		14.00		
		60	5300		14.00		
		64	5320		14.00		
	802.11ac-VHT40 MCS0	54	5270		13.00		96.48
		62	5310		13.00		
	802.11ac-VHT80 MCS0	58	5290		13.00		93.08

5GHz WLAN	Ant 9 For Body 10mm (Simultaneous)						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Inquired	12.50	Not Inquired	98.28
		56	5280		12.50		
		60	5300		12.50		
		64	5320		12.50		
	802.11n-HT20 MCS0	52	5260		12.50		98.16
		56	5280		12.50		
		60	5300		12.50		
		64	5320		12.50		
	802.11n-HT40 MCS0	54	5270		12.00		96.48
		62	5310		12.00		
	802.11ac-VHT20 MCS0	52	5260		12.50		98.24
		56	5280		12.50		
		60	5300		12.50		
		64	5320		12.50		
	802.11ac-VHT40 MCS0	54	5270		12.00		96.48
		62	5310		12.00		
	802.11ac-VHT80 MCS0	58	5290		12.00		93.08

5GHz WLAN	Ant 9 For Sensor						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Inquired	17.00	Not Inquired	98.28
		116	5580		17.00		
		132	5660		17.00		
		140	5700		17.00		
	802.11n-HT20 MCS0	100	5500		17.00		98.16
		116	5580		17.00		
		132	5660		17.00		
		140	5700		17.00		
	802.11n-HT40 MCS0	102	5510		16.00		96.48
		110	5550		16.00		
		134	5670		16.00		
	802.11ac-VHT20 MCS0	100	5500		17.00		98.24
		116	5580		17.00		
		132	5660		17.00		
		140	5700		17.00		
	802.11ac-VHT40 MCS0	102	5510		16.00		96.48
		110	5550		16.00		
		134	5670		16.00		
	802.11ac-VHT80 MCS0	106	5530		16.00		93.08

5GHz WLAN	Ant 9 For Body 0mm (Simultaneous)						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Inquired	15.50	Not Inquired	98.28
		116	5580		15.50		
		132	5660		15.50		
		140	5700		15.50		
	802.11n-HT20 MCS0	100	5500		15.50		98.16
		116	5580		15.50		
		132	5660		15.50		
		140	5700		15.50		
	802.11n-HT40 MCS0	102	5510		15.00		96.48
		110	5550		15.00		
		134	5670		15.00		
	802.11ac-VHT20 MCS0	100	5500		15.50		98.24
		116	5580		15.50		
		132	5660		15.50		
		140	5700		15.50		
	802.11ac-VHT40 MCS0	102	5510		15.00		96.48
		110	5550		15.00		
		134	5670		15.00		
	802.11ac-VHT80 MCS0	106	5530		15.00		93.08

5GHz WLAN	Ant 9 For Body 10mm (Simultaneous)						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Inquired	12.50	Not Inquired	98.28
		116	5580		12.50		
		132	5660		12.50		
		140	5700		12.50		
	802.11n-HT20 MCS0	100	5500		12.50		98.16
		116	5580		12.50		
		132	5660		12.50		
		140	5700		12.50		
	802.11n-HT40 MCS0	102	5510		12.00		96.48
		110	5550		12.00		
		134	5670		12.00		
	802.11ac-VHT20 MCS0	100	5500		12.50		98.24
		116	5580		12.50		
		132	5660		12.50		
		140	5700		12.50		
	802.11ac-VHT40 MCS0	102	5510		12.00		96.48
		110	5550		12.00		
		134	5670		12.00		
	802.11ac-VHT80 MCS0	106	5530		12.00		93.08

5GHz WLAN	Ant 9 For Sensor / Hotspot						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Inquired	16.50	Not Inquired	98.28
		157	5785		16.50		
		165	5825		16.50		
	802.11n-HT20 MCS0	149	5745		16.50		98.16
		157	5785		16.50		
		165	5825		16.50		
	802.11n-HT40 MCS0	151	5755		15.50		96.48
		159	5795		15.50		
	802.11ac-VHT20 MCS0	149	5745		16.50		98.24
		157	5785		16.50		
		165	5825		16.50		
	802.11ac-VHT40 MCS0	151	5755		15.50		96.48
		159	5795		15.50		
	802.11ac-VHT80 MCS0	155	5775		15.50		93.08

5GHz WLAN	Ant 9 For Body 0mm (Simultaneous)						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Inquired	15.50	Not Inquired	98.28
		157	5785		15.50		
		165	5825		15.50		
	802.11n-HT20 MCS0	149	5745		15.50		98.16
		157	5785		15.50		
		165	5825		15.50		
	802.11n-HT40 MCS0	151	5755		15.00		96.48
		159	5795		15.00		
	802.11ac-VHT20 MCS0	149	5745		15.50		98.24
		157	5785		15.50		
		165	5825		15.50		
	802.11ac-VHT40 MCS0	151	5755		15.00		96.48
		159	5795		15.00		
	802.11ac-VHT80 MCS0	155	5775		15.00		93.08

5GHz WLAN	Ant 9 For Body 10mm (Simultaneous)						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Inquired	12.00	Not Inquired	98.28
		157	5785		12.00		
		165	5825		12.00		
	802.11n-HT20 MCS0	149	5745		12.00		98.16
		157	5785		12.00		
		165	5825		12.00		
	802.11n-HT40 MCS0	151	5755		11.50		96.48
		159	5795		11.50		
	802.11ac-VHT20 MCS0	149	5745		12.00		98.24
		157	5785		12.00		
		165	5825		12.00		
	802.11ac-VHT40 MCS0	151	5755		11.50		96.48
		159	5795		11.50		
	802.11ac-VHT80 MCS0	155	5775		11.50		93.08

Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.

Head (Antenna #0, Slave ID=6)

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																									
									Auto-Tune	0	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168	176	184
GSM850	GPRS(2 Tx slots)	128	824.2	-	-	Left Cheek	0mm	0.0983	0.118	0.047	0.088	0.051	0.036	0.103	0.020	0.080	0.114	0.066	0.054	0.108	0.028	0.060	0.104	0.059	0.044	0.101	0.024	0.098	0.101	0.075	0.066	0.110	0.040

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																									
									Auto-Tune	1	9	17	25	33	41	49	57	65	73	81	89	97	105	113	121	129	137	145	153	161	169	177	185
WCDMA V	RMC 12.2Kbps	4182	836.4	-	-	Left Cheek	0mm	0.115	0.139	0.036	0.085	0.071	0.036	0.105	0.046	0.055	0.099	0.089	0.062	0.126	0.057	0.055	0.096	0.078	0.052	0.129	0.051	0.067	0.123	0.098	0.073	0.127	0.064

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																									
									Auto-Tune	2	10	18	26	34	42	50	58	66	74	82	90	98	106	114	122	130	138	146	154	162	170	178	186
LTE Band 5	10M/QPSK	20525	836.5	1	0	Left Cheek	0mm	0.0767	0.0926	0.029	0.082	0.059	0.036	0.090	0.039	0.045	0.099	0.074	0.052	0.913	0.049	0.036	0.091	0.066	0.043	0.905	0.041	0.049	0.091	0.073	0.064	0.083	0.045

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																									
									Auto-Tune	3	11	19	27	35	43	51	59	67	75	83	91	99	107	115	123	131	139	147	155	163	171	179	187
LTE Band 12	10M/QPSK	23095	707.5	1	0	Left Cheek	0mm	0.0411	0.0476	0.035	0.041	0.021	0.035	0.019	0.010	0.040	0.027	0.021	0.040	0.011	0.013	0.045	0.034	0.021	0.041	0.013	0.011	0.022	0.021	0.020	0.039	0.008	0.015

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																									
									Auto-Tune	4	12	20	28	36	44	52	60	68	76	84	92	100	108	116	124	132	140	148	156	164	172	180	188
LTE Band 13	10M/QPSK	23230	782	1	0	Left Cheek	0mm	0.0749	0.088	0.047	0.031	0.055	0.045	0.016	0.031	0.081	0.069	0.054	0.073	0.041	0.031	0.069	0.045	0.055	0.057	0.024	0.031	0.011	0.083	0.052	0.085	0.063	0.031

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																									
									Auto-Tune	5	13	21	29	37	45	53	61	69	77	85	93	101	109	117	125	133	141	149	157	165	173	181	189
LTE Band 71	20M/QPSK	133322	683	1	0	Left Cheek	0mm	0.0486	0.0524	0.051	0.037	0.013	0.027	0.218	0.006	0.027	0.033	0.010	0.032	0.020	0.006	0.044	0.050	0.012	0.032	0.043	0.006	0.016	0.017	0.009	0.027	0.007	0.006

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																									
									Auto-Tune	6	14	22	30	38	46	54	62	70	78	86	94	102	110	118	126	134	142	150	158	166	174	182	190
FR1 n6	20M/QPSK	167300	836.5	50	0	Left Cheek	0mm	0.0823	0.0912	0.043	0.034	0.090	0.059	0.019	0.089	0.061	0.047	0.090	0.073	0.027	0.083	0.049	0.039	0.090	0.063	0.022	0.090	0.070	0.054	0.091	0.078	0.031	0.073

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																									
									Auto-Tune	7	15	23	31	39	47	55	63	71	79	87	95	103	111	119	127	135	143	151	159	167	175	183	191
FR1 n71	20M/QPSK	136100	680.5	50	0	Left Cheek	0mm	0.064	0.0713	0.029	0.018	0.005	0.012	0.009	0.002	0.018	0.025	0.003	0.011	0.024	0.002	0.024	0.026	0.003	0.012	0.022	0.002	0.011	0.016	0.002	0.010	0.010	0.008

Body (Antenna #0, Slave ID=6)

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																							
									Auto-Tune	0	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168	176	184
GSM850	GPRS(2 Tx slots)	128	824.2	-	-	Back	10mm	0.282	0.41	0.159	0.029	0.193	0.135	0.398	0.079	0.252	0.397	0.237	0.193	0.395	0.105	0.197	0.337	0.210	0.159	0.398	0.089	0.299	0.335	0.262	0.228	0.382	0.120

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																							
									Auto-Tune	1	9	17	25	33	41	49	57	65	73	81	89	97	105	113	121	129	137	145	153	161	169	177	185
WCDMA V	RMC 12.2Kbps	4182	836.4	-	-	Back	10mm	0.264	0.314	0.110	0.252	0.209	0.132	0.305	0.137	0.161	0.309	0.260	0.182	0.308	0.170	0.131	0.284	0.233	0.154	0.307	0.152	0.189	0.311	0.284	0.209	0.309	0.187

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																							
									Auto-Tune	2	10	18	26	34	42	50	58	66	74	82	90	98	106	114	122	130	138	146	154	162	170	178	186
LTE Band 5	10M/QPSK	20525	836.5	1	0	Back	10mm	0.182	0.221	0.091	0.205	0.177	0.111	0.206	0.121	0.135	0.209	0.215	0.153	0.208	0.144	0.109	0.206	0.195	0.129	0.214	0.131	0.159	0.203	0.209	0.175	0.205	0.156

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																							
									Auto-Tune	3	11	19	27	35	43	51	59	67	75	83	91	99	107	115	123	131	139	147	155	163	171	179	187
LTE Band 12	10M/QPSK	23095	707.5	1	0	Back	10mm	0.085	0.103	0.102	0.067	0.035	0.055	0.032	0.016	0.065	0.045	0.034	0.079	0.018	0.021	0.102	0.056	0.035	0.074	0.024	0.019	0.037	0.035	0.032	0.064	0.014	0.024

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																							
									Auto-Tune	4	12	20	28	36	44	52	60	68	76	84	92	100	108	116	124	132	140	148	156	164	172	180	188
LTE Band 13	10M/QPSK	23230	782	1	0	Back	10mm	0.241	0.29	0.119	0.088	0.158	0.130	0.042	0.085	0.235	0.174	0.151	0.194	0.096	0.083	0.170	0.124	0.157	0.161	0.061	0.084	0.266	0.216	0.141	0.213	0.138	0.081

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																							
									Auto-Tune	5	13	21	29	37	45	53	61	69	77	85	93	101	109	117	125	133	141	149	157	165	173	181	189
LTE Band 71	20M/QPSK	133322	683	1	0	Back	10mm	0.087	0.0947	0.091	0.067	0.042	0.057	0.049	0.033	0.059	0.066	0.038	0.063	0.050	0.033	0.077	0.083	0.040	0.062	0.073	0.033	0.045	0.046	0.037	0.057	0.035	0.033

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																							
									Auto-Tune	6	14	22	30	38	46	54	62	70	78	86	94	102	110	118	126	134	142	150	158	166	174	182	190
FR1 n5	20M/QPSK	167300	836.5	50	0	Back	10mm	0.165	0.197	0.096	0.075	0.181	0.130	0.045	0.190	0.135	0.104	0.192	0.161	0.061	0.179	0.114	0.087	0.196	0.143	0.050	0.193	0.151	0.116	0.194	0.168	0.069	0.159

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																							
									Auto-Tune	7	15	23	31	39	47	55	63	71	79	87	95	103	111	119	127	135	143	151	159	167	175	183	191
FR1 n71	20M/QPSK	136100	680.5	50	0	Left Side	10mm	0.082	0.0941	0.090	0.074	0.055	0.065	0.061	0.049	0.072	0.082	0.051	0.063	0.082	0.048	0.082	0.084	0.052	0.064	0.078	0.049	0.063	0.069	0.050	0.061	0.061	0.047