



CA_2A-4A												
Combination 20MHz+20MHz (100RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
18700	20050	QPSK	1	0	1	0	21.91	16.91	23.10	22.70	17.50	23.8
			1	49	1	49	21.94	16.37	23.00	22.70	17.50	23.8
			1	99	1	99	21.99	16.87	23.15	22.70	17.50	23.8
			50	0	50	0	21.21	18.23	22.98	21.80	19.50	23.8
			50	24	50	24	21.16	18.13	22.91	21.80	19.50	23.8
			50	50	50	50	21.25	18.03	22.94	21.80	19.50	23.8
18900	20175	QPSK	100	0	100	0	21.22	18.11	22.95	21.80	19.50	23.8
			1	0	1	0	21.98	16.11	22.98	22.70	17.50	23.8
			1	49	1	49	22.23	16.12	23.18	22.70	17.50	23.8
			1	99	1	99	21.96	16.19	22.98	22.70	17.50	23.8
			50	0	50	0	21.37	18.27	23.10	21.80	19.50	23.8
			50	24	50	24	21.38	18.18	23.08	21.80	19.50	23.8
19100	20300	QPSK	50	50	50	50	21.05	18.32	22.91	21.80	19.50	23.8
			100	0	100	0	21.23	18.29	23.01	21.80	19.50	23.8
			1	0	1	0	21.91	16.87	23.09	22.70	17.50	23.8
			1	49	1	49	21.88	16.32	22.95	22.70	17.50	23.8
			1	99	1	99	21.95	16.64	23.07	22.70	17.50	23.8
			50	0	50	0	21.20	18.11	22.93	21.80	19.50	23.8

CA_2A-6A												
Combination 20MHz+20MHz (100RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
18700	132072	QPSK	1	0	1	0	21.54	16.98	22.84	22.7	17.5	23.8
			1	49	1	49	21.68	17.09	22.98	22.7	17.5	23.8
			1	99	1	99	21.72	16.87	22.95	22.7	17.5	23.8
			50	0	50	0	20.87	18.77	22.96	21.8	19.5	23.8
			50	24	50	24	20.96	18.72	22.99	21.8	19.5	23.8
			50	50	50	50	21.01	18.76	23.04	21.8	19.5	23.8
18900	132322	QPSK	100	0	100	0	20.91	18.64	22.93	21.8	19.5	23.8
			1	0	1	0	21.68	17.18	23.00	22.7	17.5	23.8
			1	49	1	49	21.64	17.13	22.96	22.7	17.5	23.8
			1	99	1	99	21.71	16.99	22.97	22.7	17.5	23.8
			50	0	50	0	20.89	18.85	23.00	21.8	19.5	23.8
			50	24	50	24	21.09	18.85	23.12	21.8	19.5	23.8
19100	132572	QPSK	50	50	50	50	20.97	18.71	23.00	21.8	19.5	23.8
			100	0	100	0	20.96	18.73	23.00	21.8	19.5	23.8
			1	0	1	0	21.57	16.98	22.87	22.7	17.5	23.8
			1	49	1	49	21.63	17.17	22.96	22.7	17.5	23.8
			1	99	1	99	21.64	16.87	22.89	22.7	17.5	23.8
			50	0	50	0	20.77	18.88	22.94	21.8	19.5	23.8

CA_4A-2A												
Combination 20MHz+20MHz (100RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
20050	18700	QPSK	1	0	1	0	21.71	15.82	22.71	22.7	17.5	23.8
			1	49	1	49	21.62	15.89	22.65	22.7	17.5	23.8
			1	99	1	99	21.88	16.23	22.93	22.7	17.5	23.8
			50	0	50	0	20.87	18.38	22.81	21.8	19.5	23.8
			50	24	50	24	20.81	18.65	22.87	21.8	19.5	23.8
			50	50	50	50	20.98	18.61	22.97	21.8	19.5	23.8
20175	18900	QPSK	100	0	100	0	20.87	18.73	22.94	21.8	19.5	23.8
			1	0	1	0	21.63	15.76	22.63	22.7	17.5	23.8
			1	49	1	49	21.53	16.05	22.61	22.7	17.5	23.8
			1	99	1	99	21.98	16.14	22.99	22.7	17.5	23.8
			50	0	50	0	20.95	18.45	22.89	21.8	19.5	23.8
			50	24	50	24	20.78	18.77	22.90	21.8	19.5	23.8
20300	19100	QPSK	50	50	50	50	20.86	18.65	22.90	21.8	19.5	23.8
			100	0	100	0	20.99	18.65	22.99	21.8	19.5	23.8
			1	0	1	0	21.78	15.87	22.77	22.7	17.5	23.8
			1	49	1	49	21.56	16.17	22.66	22.7	17.5	23.8
			1	99	1	99	21.79	16.26	22.86	22.7	17.5	23.8
			50	0	50	0	20.99	18.27	22.85	21.8	19.5	23.8

CA_6A-2A												
Combination 20MHz+20MHz (100RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
132072	18700	QPSK	1	0	1	0	21.94	15.97	22.92	22.70	17.50	23.8
			1	49	1	49	21.67	16.09	22.73	22.70	17.50	23.8
			1	99	1	99	21.66	15.87	22.68	22.70	17.50	23.8
			50	0	50	0	20.58	18.73	22.76	21.80	19.50	23.8
			50	24	50	24	20.73	18.81	22.81	21.80	19.50	23.8
			50	50	50	50	20.69	18.84	22.87	21.80	19.50	23.8
132322	18900	QPSK	100	0	100	0	20.71	18.58	22.78	21.80	19.50	23.8
			1	0	1	0	21.89	15.99	22.88	22.70	17.50	23.8
			1	49	1	49	21.53	16.13	22.63	22.70	17.50	23.8
			1	99	1	99	21.72	15.76	22.70	22.70	17.50	23.8
			50	0	50	0	20.71	18.68	22.82	21.80	19.50	23.8
			50	24	50	24	20.64	18.66	22.77	21.80	19.50	23.8
132572	19100	QPSK	50	50	50	50	20.88	18.71	22.94	21.80	19.50	23.8
			100	0	100	0	20.89	18.46	22.85	21.80	19.50	23.8
			1	0	1	0	21.94	15.72	22.87	22.70	17.50	23.8
			1	49	1	49	21.75	16.03	22.78	22.70	17.50	23.8
			1	99	1	99	21.65	15.89	22.67	22.70	17.50	23.8
			50	0	50	0	20.89	18.71	22.95	21.80	19.50	23.8



CA_2A-12A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
18700	23060	QPSK	1	0	1	0	21.86	16.67	23.01	22.7	17.5	23.8
			1	49	1	25	21.89	16.74	23.05	22.7	17.5	23.8
			1	99	1	49	21.78	16.38	22.88	22.7	17.5	23.8
			50	0	25	0	20.87	18.79	22.96	21.8	19.5	23.8
			50	24	25	12	20.84	18.96	23.01	21.8	19.5	23.8
			50	50	25	25	20.98	18.43	22.90	21.8	19.5	23.8
18900	23095	QPSK	100	0	50	0	20.92	18.61	22.93	21.8	19.5	23.8
			1	0	1	0	21.99	16.76	23.13	22.7	17.5	23.8
			1	49	1	25	21.81	16.61	22.96	22.7	17.5	23.8
			1	99	1	49	21.72	16.26	22.81	22.7	17.5	23.8
			50	0	25	0	20.92	18.77	22.99	21.8	19.5	23.8
			50	24	25	12	20.91	18.84	23.01	21.8	19.5	23.8
19100	23130	QPSK	50	50	25	25	20.94	18.35	22.85	21.8	19.5	23.8
			100	0	50	0	20.89	18.61	22.91	21.8	19.5	23.8
			1	0	1	0	21.87	16.65	23.01	22.7	17.5	23.8
			1	49	1	25	21.93	16.69	23.07	22.7	17.5	23.8
			1	99	1	49	21.75	16.34	22.85	22.7	17.5	23.8
			50	0	25	0	20.98	18.84	23.05	21.8	19.5	23.8

CA_2A-13A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
18700	23230	QPSK	1	0	1	0	21.90	16.54	23.01	22.7	17.5	23.8
			1	49	1	25	21.86	16.68	23.01	22.7	17.5	23.8
			1	99	1	49	21.84	16.84	23.03	22.7	17.5	23.8
			50	0	25	0	20.97	18.52	22.93	21.8	19.5	23.8
			50	24	25	12	21.11	18.52	23.02	21.8	19.5	23.8
			50	50	25	25	21.12	18.49	23.01	21.8	19.5	23.8
18900	23230	QPSK	100	0	50	0	21.02	18.37	22.90	21.8	19.5	23.8
			1	0	1	0	21.67	17.13	22.98	22.7	17.5	23.8
			1	49	1	25	21.82	17.12	23.09	22.7	17.5	23.8
			1	99	1	49	21.66	17.04	22.95	22.7	17.5	23.8
			50	0	25	0	20.81	18.46	22.80	21.8	19.5	23.8
			50	24	25	12	20.67	18.42	22.70	21.8	19.5	23.8
19100	23230	QPSK	50	50	25	25	20.94	18.57	22.93	21.8	19.5	23.8
			100	0	50	0	20.94	18.54	22.91	21.8	19.5	23.8
			1	0	1	0	21.85	16.81	23.03	22.7	17.5	23.8
			1	49	1	25	21.96	16.45	23.04	22.7	17.5	23.8
			1	99	1	49	21.90	16.50	23.00	22.7	17.5	23.8
			50	0	25	0	21.02	18.37	22.90	21.8	19.5	23.8

CA_12A-2A												
Combination 10MHz+20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
23060	18700	QPSK	1	0	1	0	21.99	16.70	23.12	22.7	17.5	23.8
			1	25	1	49	21.75	16.65	22.92	22.7	17.5	23.8
			1	49	1	99	21.63	16.49	22.79	22.7	17.5	23.8
			25	0	50	0	21.12	18.78	23.12	21.8	19.5	23.8
			25	12	50	24	21.04	18.86	23.10	21.8	19.5	23.8
			25	25	50	50	20.78	18.86	22.94	21.8	19.5	23.8
23095	18900	QPSK	50	0	100	0	21.01	18.78	23.05	21.8	19.5	23.8
			1	0	1	0	21.80	16.42	22.91	22.7	17.5	23.8
			1	25	1	49	21.52	16.10	22.62	22.7	17.5	23.8
			1	49	1	99	21.03	16.27	22.28	22.7	17.5	23.8
			25	0	50	0	20.87	18.65	22.91	21.8	19.5	23.8
			25	12	50	24	20.62	18.71	22.78	21.8	19.5	23.8
23130	19100	QPSK	25	25	50	50	20.80	18.68	22.88	21.8	19.5	23.8
			50	0	100	0	20.54	18.67	22.72	21.8	19.5	23.8
			1	0	1	0	21.46	16.27	22.61	22.7	17.5	23.8
			1	25	1	49	21.47	16.36	22.64	22.7	17.5	23.8
			1	49	1	99	20.42	16.98	22.04	22.7	17.5	23.8
			25	0	50	0	20.90	18.75	22.97	21.8	19.5	23.8

CA_13A-2A												
Combination 10MHz+20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
23230	18700	QPSK	1	0	1	0	21.78	16.76	22.97	22.7	17.5	23.8
			1	25	1	49	22.04	16.55	23.12	22.7	17.5	23.8
			1	49	1	99	22.12	16.51	23.17	22.7	17.5	23.8
			25	0	50	0	20.93	18.61	22.93	21.8	19.5	23.8
			25	12	50	24	21.03	18.61	23.00	21.8	19.5	23.8
			25	25	50	50	21.15	18.48	23.03	21.8	19.5	23.8
23230	18900	QPSK	50	0	100	0	21.02	18.56	22.97	21.8	19.5	23.8
			1	0	1	0	21.66	16.78	22.88	22.7	17.5	23.8
			1	25	1	49	21.91	16.62	23.04	22.7	17.5	23.8
			1	49	1	99	21.94	16.45	23.02	22.7	17.5	23.8
			25	0	50	0	20.89	18.67	22.93	21.8	19.5	23.8
			25	12	50	24	20.87	18.62	22.90	21.8	19.5	23.8
23230	19100	QPSK	25	25	50	50	20.86	18.56	22.87	21.8	19.5	23.8
			50	0	100	0	21.12	18.36	22.97	21.8	19.5	23.8
			1	0	1	0	21.58	16.69	22.80	22.7	17.5	23.8
			1	25	1	49	21.78	16.73	22.96	22.7	17.5	23.8
			1	49	1	99	21.82	16.54	22.95	22.7	17.5	23.8
			25	0	50	0	20.95	18.75	23.00	21.8	19.5	23.8



CA_4A-12A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
20050	23060	QPSK	1	0	1	0	21.78	16.82	22.98	22.70	17.50	23.8
			1	49	1	25	21.74	16.77	22.94	22.70	17.50	23.8
			1	99	1	49	21.51	16.42	22.68	22.70	17.50	23.8
			50	0	25	0	21.12	18.91	23.16	21.80	19.50	23.8
			50	24	25	12	20.89	18.56	22.89	21.80	19.50	23.8
			50	50	25	25	20.54	18.45	22.63	21.80	19.50	23.8
20175	23095	QPSK	100	0	50	0	20.61	18.59	22.73	21.80	19.50	23.8
			1	0	1	0	21.80	16.68	22.96	22.70	17.50	23.8
			1	49	1	25	21.62	16.56	22.80	22.70	17.50	23.8
			1	99	1	49	21.65	16.13	22.72	22.70	17.50	23.8
			50	0	25	0	21.03	18.98	23.14	21.80	19.50	23.8
			50	24	25	12	20.85	18.38	22.80	21.80	19.50	23.8
20300	23130	QPSK	50	50	25	25	20.43	18.36	22.53	21.80	19.50	23.8
			100	0	50	0	20.90	18.65	22.74	21.80	19.50	23.8
			1	0	1	0	21.77	16.79	22.97	22.70	17.50	23.8
			1	49	1	25	21.73	16.67	22.91	22.70	17.50	23.8
			1	99	1	49	21.55	16.37	22.70	22.70	17.50	23.8
			50	0	25	0	21.21	18.87	23.21	21.80	19.50	23.8

CA_4A-13A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
20050	23230	QPSK	1	0	1	0	21.96	16.59	23.07	22.7	17.5	23.8
			1	49	1	25	21.81	16.61	22.96	22.7	17.5	23.8
			1	99	1	49	21.65	16.74	22.87	22.7	17.5	23.8
			50	0	25	0	21.02	18.69	23.02	21.8	19.5	23.8
			50	24	25	12	20.99	18.77	23.03	21.8	19.5	23.8
			50	50	25	25	20.86	18.84	22.98	21.8	19.5	23.8
20175	23230	QPSK	100	0	50	0	20.89	18.82	22.99	21.8	19.5	23.8
			1	0	1	0	22.01	16.77	23.15	22.7	17.5	23.8
			1	49	1	25	21.98	16.70	23.11	22.7	17.5	23.8
			1	99	1	49	21.69	16.78	22.91	22.7	17.5	23.8
			50	0	25	0	20.81	19.04	23.02	21.8	19.5	23.8
			50	24	25	12	20.79	18.97	22.98	21.8	19.5	23.8
20300	23230	QPSK	50	50	25	25	20.87	18.83	22.98	21.8	19.5	23.8
			100	0	50	0	20.76	18.98	22.97	21.8	19.5	23.8
			1	0	1	0	21.83	16.56	22.96	22.7	17.5	23.8
			1	49	1	25	21.76	16.63	22.92	22.7	17.5	23.8
			1	99	1	49	21.72	16.79	22.93	22.7	17.5	23.8
			50	0	25	0	20.96	18.74	23.00	21.8	19.5	23.8

CA_12A-4A												
Combination 10MHz+20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
23060	20050	QPSK	1	0	1	0	21.92	16.31	22.97	22.7	17.5	23.8
			1	25	1	49	21.67	16.11	22.74	22.7	17.5	23.8
			1	49	1	99	21.56	15.78	22.58	22.7	17.5	23.8
			25	0	50	0	21.00	18.71	23.01	21.8	19.5	23.8
			25	12	50	24	20.82	18.78	22.93	21.8	19.5	23.8
			25	25	50	50	20.78	18.89	22.95	21.8	19.5	23.8
23095	20175	QPSK	50	0	100	0	20.89	18.72	22.95	21.8	19.5	23.8
			1	0	1	0	22.13	16.35	23.15	22.7	17.5	23.8
			1	25	1	49	21.58	15.95	22.63	22.7	17.5	23.8
			1	49	1	99	21.61	15.55	22.57	22.7	17.5	23.8
			25	0	50	0	20.96	18.82	23.03	21.8	19.5	23.8
			25	12	50	24	20.89	18.67	22.93	21.8	19.5	23.8
23130	20300	QPSK	25	25	50	50	20.57	18.80	22.78	21.8	19.5	23.8
			50	0	100	0	20.83	18.54	22.84	21.8	19.5	23.8
			1	0	1	0	22.01	16.29	23.04	22.7	17.5	23.8
			1	25	1	49	21.78	15.98	22.79	22.7	17.5	23.8
			1	49	1	99	21.56	15.59	22.54	22.7	17.5	23.8
			25	0	50	0	20.92	18.72	22.97	21.8	19.5	23.8

CA_13A-4A												
Combination 10MHz+20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
23230	20050	QPSK	1	0	1	0	21.96	16.31	23.01	22.7	17.5	23.8
			1	25	1	49	21.98	15.99	22.96	22.7	17.5	23.8
			1	49	1	99	21.93	15.82	22.88	22.7	17.5	23.8
			25	0	50	0	21.03	18.81	23.07	21.8	19.5	23.8
			25	12	50	24	21.12	18.88	23.15	21.8	19.5	23.8
			25	25	50	50	21.09	18.77	23.09	21.8	19.5	23.8
23230	20175	QPSK	50	0	100	0	20.93	18.81	23.01	21.8	19.5	23.8
			1	0	1	0	21.97	16.25	23.00	22.7	17.5	23.8
			1	25	1	49	22.05	15.97	23.01	22.7	17.5	23.8
			1	49	1	99	22.07	15.87	23.00	22.7	17.5	23.8
			25	0	50	0	20.97	18.88	23.06	21.8	19.5	23.8
			25	12	50	24	21.03	18.90	23.10	21.8	19.5	23.8
23230	20300	QPSK	25	25	50	50	21.04	18.63	23.01	21.8	19.5	23.8
			50	0	100	0	20.90	18.71	22.95	21.8	19.5	23.8
			1	0	1	0	21.89	16.11	22.91	22.7	17.5	23.8
			1	25	1	49	21.93	15.98	22.91	22.7	17.5	23.8
			1	49	1	99	21.97	15.91	22.93	22.7	17.5	23.8
			25	0	50	0	20.95	18.78	23.00	21.8	19.5	23.8



CA_12A-66A												
Combination 10MHz+20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Sizes	RB offset						
23060	132072	QPSK	1	0	1	0	22.09	16.51	23.15	22.7	17.5	23.8
			1	25	1	49	22.06	16.38	23.10	22.7	17.5	23.8
			1	49	1	99	22.05	16.35	23.09	22.7	17.5	23.8
			25	0	50	0	21.10	18.31	22.94	21.8	19.5	23.8
			25	12	50	24	21.31	18.39	23.10	21.8	19.5	23.8
			25	25	50	50	21.09	18.43	22.97	21.8	19.5	23.8
23095	132322	QPSK	50	0	100	0	21.18	18.48	23.05	21.8	19.5	23.8
			1	0	1	0	21.98	16.53	23.07	22.7	17.5	23.8
			1	25	1	49	21.96	16.34	23.01	22.7	17.5	23.8
			1	49	1	99	21.92	16.34	22.98	22.7	17.5	23.8
			25	0	50	0	21.11	18.88	23.15	21.8	19.5	23.8
			25	12	50	24	21.01	18.74	23.03	21.8	19.5	23.8
23130	132572	QPSK	25	25	50	50	21.06	18.77	23.07	21.8	19.5	23.8
			50	0	100	0	21.11	18.71	23.08	21.8	19.5	23.8
			1	0	1	0	22.03	16.64	23.13	22.7	17.5	23.8
			1	25	1	49	22.05	16.55	23.13	22.7	17.5	23.8
			1	49	1	99	21.91	16.46	23.00	22.7	17.5	23.8
			25	0	50	0	21.15	18.57	23.06	21.8	19.5	23.8

CA_13A-66A												
Combination 10MHz+20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
23230	132072	QPSK	1	0	1	0	21.63	16.81	22.87	22.7	17.5	23.8
			1	25	1	49	21.76	16.62	22.92	22.7	17.5	23.8
			1	49	1	99	21.92	16.47	23.01	22.7	17.5	23.8
			25	0	50	0	21.16	18.53	23.05	21.8	19.5	23.8
			25	12	50	24	21.15	18.55	23.05	21.8	19.5	23.8
			25	25	50	50	21.21	18.37	23.03	21.8	19.5	23.8
23230	132322	QPSK	50	0	100	0	21.00	18.33	22.88	21.8	19.5	23.8
			1	0	1	0	21.72	16.72	22.91	22.7	17.5	23.8
			1	25	1	49	21.91	16.54	23.02	22.7	17.5	23.8
			1	49	1	99	21.89	16.34	22.96	22.7	17.5	23.8
			25	0	50	0	21.14	18.53	23.04	21.8	19.5	23.8
			25	12	50	24	21.09	18.72	23.08	21.8	19.5	23.8
23230	132572	QPSK	25	25	50	50	21.19	18.48	23.05	21.8	19.5	23.8
			50	0	100	0	21.13	18.45	23.00	21.8	19.5	23.8
			1	0	1	0	21.63	16.60	22.82	22.7	17.5	23.8
			1	25	1	49	21.84	16.28	22.91	22.7	17.5	23.8
			1	49	1	99	21.96	16.26	23.00	22.7	17.5	23.8
			25	0	50	0	21.20	18.43	23.04	21.8	19.5	23.8

CA_66A-12A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Sizes	RB offset						
132072	23060	QPSK	1	0	1	0	21.79	16.77	22.98	22.7	17.5	23.8
			1	49	1	25	21.62	16.76	22.85	22.7	17.5	23.8
			1	99	1	49	21.34	16.52	22.58	22.7	17.5	23.8
			50	0	25	0	20.63	19.05	22.92	21.8	19.5	23.8
			50	24	25	12	20.68	19.08	22.96	21.8	19.5	23.8
			50	50	25	25	20.59	18.99	22.87	21.8	19.5	23.8
132322	23095	QPSK	100	0	50	0	20.32	18.67	22.58	21.8	19.5	23.8
			1	0	1	0	21.72	16.82	22.94	22.7	17.5	23.8
			1	49	1	25	21.53	16.38	22.69	22.7	17.5	23.8
			1	99	1	49	21.23	16.43	22.47	22.7	17.5	23.8
			50	0	25	0	20.78	19.11	23.04	21.8	19.5	23.8
			50	24	25	12	20.57	18.98	22.86	21.8	19.5	23.8
132572	23130	QPSK	50	50	25	25	20.56	18.91	22.82	21.8	19.5	23.8
			100	0	50	0	20.16	18.36	22.36	21.8	19.5	23.8
			1	0	1	0	21.71	16.89	22.95	22.7	17.5	23.8
			1	49	1	25	21.67	16.54	22.83	22.7	17.5	23.8
			1	99	1	49	21.25	16.28	22.45	22.7	17.5	23.8
			50	0	25	0	20.69	19.04	22.95	21.8	19.5	23.8

CA_66A-13A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
132072	23230	QPSK	1	0	1	0	21.88	16.62	23.01	22.7	17.5	23.8
			1	49	1	25	21.89	16.84	23.07	22.7	17.5	23.8
			1	99	1	49	21.67	17.03	22.95	22.7	17.5	23.8
			50	0	25	0	20.72	18.77	22.86	21.8	19.5	23.8
			50	24	25	12	20.67	18.78	22.84	21.8	19.5	23.8
			50	50	25	25	20.56	18.81	22.78	21.8	19.5	23.8
132322	23230	QPSK	100	0	50	0	20.82	18.91	22.98	21.8	19.5	23.8
			1	0	1	0	21.95	16.71	23.09	22.7	17.5	23.8
			1	49	1	25	21.77	17.10	23.04	22.7	17.5	23.8
			1	99	1	49	21.58	17.22	22.94	22.7	17.5	23.8
			50	0	25	0	20.89	18.74	22.96	21.8	19.5	23.8
			50	24	25	12	20.71	18.82	22.88	21.8	19.5	23.8
132572	23230	QPSK	50	50	25	25	20.67	18.95	22.90	21.8	19.5	23.8
			100	0	50	0	20.78	18.75	22.89	21.8	19.5	23.8
			1	0	1	0	21.78	16.83	22.99	22.7	17.5	23.8
			1	49	1	25	21.89	16.85	23.07	22.7	17.5	23.8
			1	99	1	49	21.84	17.09	22.95	22.7	17.5	23.8
			50	0	25	0	20.67	18.93	22.90	21.8	19.5	23.8



Full Power														
2CC														
Configure	CA Configuration (BCS)	PCC						SCC				Power		
		LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod.	UL RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)
Inter-Band	CA_5A-7A	5	10	829	20450	QPSK	1	0	7	20	2855	3100	22.29	22.36
	CA_5A-48A	5	1	829	20450	QPSK	1	0	48	20	3825	5990	22.24	22.36
	CA_7A-46A	7	20	2560	21350	QPSK	1	99	46	20	5540	5090	22.55	22.61
	CA_25A-41A	25	20	1880	26340	QPSK	1	0	41	20	2593	40620	22.41	22.47
	CA_25A-46A	25	20	1880	26340	QPSK	1	0	46	20	5540	5090	22.35	22.47
Inter-Band	CA_26A-41A	26	15	841.5	26965	QPSK	1	0	41	20	2593	40620	22.30	22.33
	CA_5A-5A	5	10	829	20450	QPSK	1	0	5	5	891.5	2825	22.25	22.36
	CA_41A-41A	41	20	2593	40620	QPSK	1	99	41	5	2687.5	41565	22.63	22.69
	CA_5B	5	10	829	20450	QPSK	1	0	5	10	883.90	2549	22.28	22.36
	CA_7C	7	20	2560	21350	QPSK	1	0	7	20	2660.20	3152	22.54	22.61
	CA_38C	38	20	2580	37850	QPSK	1	0	38	20	2599.80	38048	22.56	22.59

3CC																		
Configure	CA Configuration (BCS)	PCC						SCC1				SCC2		Power				
		LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod.	UL RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)
Inter-Band	CA_2A-4A-4A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	4	5	2152.5	2375	22.31	22.41
	CA_2A-4A-5A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	5	10	881.5	2525	22.30	22.41
	CA_2A-4A-7A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	7	20	2655	3100	22.32	22.41
	CA_2A-4A-13A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	13	10	751	5230	22.39	22.41
	CA_2A-4A-29A	2	20	1880	18900	QPSK	1	0	4	20	2132.5	2175	29	10	722.5	9715	22.31	22.41
	CA_2A-5A-30A	2	20	1880	18900	QPSK	1	0	5	10	881.5	2525	30	10	2355	9820	22.33	22.41
	CA_2A-7A-7A	2	20	1880	18900	QPSK	1	0	7	20	2655	3100	7	5	2687.5	3425	22.39	22.41
	CA_2A-12A-30A	2	20	1880	18900	QPSK	1	0	12	10	737.5	5095	30	10	2355	9820	22.30	22.41
	CA_2A-29A-30A	2	20	1880	18900	QPSK	1	0	29	10	722.5	9715	30	10	2355	9820	22.38	22.41
	CA_2A-46A-46A	2	20	1880	18900	QPSK	1	0	46	20	5160	48890	46	20	5905	54340	22.18	22.41
	CA_2A-46A-48A	2	20	1880	18900	QPSK	1	0	46	20	5160	48890	48	20	3825	55990	22.39	22.41
	CA_2A-46A-66A	2	20	1880	18900	QPSK	1	0	46	20	5540	50960	66	20	2155	68886	22.30	22.41
	CA_2A-48A-48A	2	20	1880	18900	QPSK	1	0	48	20	3825	55990	48	5	3697.5	56715	22.31	22.41
	CA_2A-48A-66A	2	20	1880	18900	QPSK	1	0	48	20	3825	55990	66	20	2155	68886	22.33	22.41
	CA_4A-4A-5A	4	20	1732.5	20175	QPSK	1	0	4	5	2152.5	2375	5	10	881.5	2525	22.42	22.52
	CA_4A-4A-7A	4	20	1732.5	20175	QPSK	1	0	4	5	2152.5	2375	7	5	2687.5	3425	22.47	22.52
	CA_4A-4A-12A	4	20	1732.5	20175	QPSK	1	0	4	5	2152.5	2375	12	10	737.5	5095	22.32	22.52
	CA_4A-4A-13A	4	20	1732.5	20175	QPSK	1	0	4	5	2152.5	2375	13	10	751	5230	22.43	22.52
	CA_4A-4A-71A	4	20	1732.5	20175	QPSK	1	0	4	5	2152.5	2375	71	20	637	68786	22.50	22.52
	CA_4A-5A-30A	4	20	1732.5	20175	QPSK	1	0	5	10	881.5	2525	30	10	2355	9820	22.42	22.52
	CA_4A-7A-7A	4	20	1732.5	20175	QPSK	1	0	7	20	2655	3100	7	5	2687.5	3425	22.30	22.52
	CA_4A-7A-12A	4	20	1732.5	20175	QPSK	1	0	7	20	2655	3100	12	10	737.5	5095	22.38	22.52
	CA_4A-12A-30A	4	20	1732.5	20175	QPSK	1	0	12	10	737.5	5095	30	10	2355	9820	22.33	22.52
	CA_4A-29A-30A	4	20	1732.5	20175	QPSK	1	0	29	10	722.5	9715	30	10	2355	9820	22.36	22.52
	CA_4A-46A-46A	4	20	1732.5	20175	QPSK	1	0	46	20	5160	48890	46	20	5905	54340	22.41	22.52
	CA_5A-30A-66A	5	10	829	20450	QPSK	1	0	30	10	2355	9820	66	20	2155	68886	22.32	22.36
	CA_5A-66A-66A	5	10	829	20450	QPSK	1	0	66	20	2155	68886	66	5	2197.5	67311	22.26	22.36
	CA_12A-30A-66A	12	10	707.5	23095	QPSK	1	49	30	10	2355	9820	66	20	2155	68886	22.49	22.63
	CA_12A-66A-66A	12	10	707.5	23095	QPSK	1	49	66	20	2155	68886	66	5	2197.5	67311	22.53	22.63
	CA_13A-66A-66A	13	10	782	23230	QPSK	1	25	66	20	2155	68886	66	5	2197.5	67311	22.46	22.58
	CA_25A-25A-26A	25	20	1880	26340	QPSK	1	0	25	5	1992.5	8665	26	5	876.5	8865	22.41	22.47
	CA_48A-48A-66A	66	20	1745	132322	QPSK	1	0	48	20	3560	55340	48	20	5905	54340	22.46	22.55
	CA_48A-48A-66A	66	20	1745	132322	QPSK	1	0	48	20	3560	55340	48	20	3690	56640	22.43	22.55
	CA_66A-46A-66A	66	20	1745	132322	QPSK	1	0	46	20	5160	48890	46	20	5905	54340	22.45	22.55
	CA_2A-48C	2	20	1880	18900	QPSK	1	0	48	20	3825	55990	48	20	3644.5	56188	22.30	22.41
	CA_5A-66C	5	10	829	20450	QPSK	1	0	66	20M	2155	68886	66	20	2174.8	67084	22.35	22.36
	CA_7A-46C	7	20	2560	21350	QPSK	1	99	46	20	5540.2	50962	46	20	5560	50980	22.53	22.61
	CA_12A-66C	12	10	707.5	23095	QPSK	1	49	66	20M	2155	68886	66	20	2174.8	67084	22.59	22.63
	CA_13A-66C	13	10	782	23230	QPSK	1	25	66	20M	2155	68886	66	20	2174.8	67084	22.50	22.58
	CA_25A-41C	25	20	1880	26340	QPSK	1	0	41	20	2660.2	41292	41	20	2680	41490	22.40	22.47
	CA_25A-46C	25	20	1880	26340	QPSK	1	0	46	20	5540.2	50962	46	20	5560	50980	22.41	22.47
	CA_41A-41C	41	20	2549.5	40185	QPSK	1	49	41	5	2687.5	41565	41	20	2675.8	41448	22.59	22.69
	CA_48A-48C	48	20	3660	56340	QPSK	1	49	48	20	3679.8	56538	48	5	3697.5	56715	22.81	22.82
	CA_66A-66C	66	20	1745	132322	QPSK	1	0	66	20	2185	67186	66	5	2196.7	67303	22.44	22.55

4CC																						
Configure	CA Configuration (BCS)	PCC						SCC1				SCC2				SCC3				Power		
		LTE Band	BW (MHz)	UL Freq (MHz)	UL Channel	Mod.	UL RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)
Inter-Band	CA_2A-2A-4A-12A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	4	20	2132.5	2175	12	10	737.5	5095	22.26	22.41
	CA_2A-2A-4A-71A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	4	20	2132.5	2175	71	20	637	68786	22.32	22.41
	CA_2A-2A-5A-66A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	5	10	881.5	2525	66	20	2155	68886	22.36	22.41
	CA_2A-2A-12A-66A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	12	10	737.5	5095	66	20	2155	68886	22.40	22.41
	CA_2A-2A-13A-66A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	13	10	751	5230	66	20	2155	68886	22.22	22.41
	CA_2A-2A-66A-66A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	66	20	2155	68886	66	5	2197.5	67311	22.34	22.41
	CA_2A-2A-66A-71A	2	20	1880	18900	QPSK	1	0	2	5	1987.5	1175	66	20	2155	68886	71	20	637	68786	22.35	22.41
	CA_2A-5A-66A-66A	2	20	1880	18900	QPSK	1	0	5	10	881.5	2525	66	20	2155	68886	66	5	2197.5	67311	22.40	22.41
	CA_2A-12A-66A-66A	2	20	1880	18900	QPSK	1	0	12	10	737.5	5095	66	20	2155	6						



Full Power for ANTO

N5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				167500	167500	167500	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	22.46	22.45	22.34	
20	PI/2 BPSK	1	53	22.67	22.55	22.80	23.3
20	PI/2 BPSK	1	104	22.45	22.37	22.27	
20	PI/2 BPSK	50	0	21.87	21.82	21.95	
20	PI/2 BPSK	50	28	22.39	22.36	22.33	23.3
20	PI/2 BPSK	50	56	21.86	21.84	21.76	
20	PI/2 BPSK	100	0	21.92	21.58	21.44	22.8
20	QPSK	1	1	22.42	22.30	22.44	
20	QPSK	1	53	22.50	22.44	22.43	23.3
20	QPSK	1	104	22.35	22.37	22.35	
20	QPSK	50	0	21.33	21.35	21.38	
20	QPSK	50	28	22.37	22.35	22.27	23.3
20	QPSK	50	56	21.30	21.26	21.32	
20	QPSK	100	0	21.44	21.37	21.29	22.3
20	16QAM	1	53	21.59	21.27	21.54	22.3
20	64QAM	1	53	20.01	19.98	20.01	21.3
20	256QAM	1	53	18.12	18.12	17.98	15.8
Channel				168300	168300	168300	
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	40	22.44	22.44	22.40	23.3
Channel				165800	167300	168800	
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	26	22.49	22.43	22.35	23.3
Channel				165300	167300	169300	
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	13	22.46	22.43	22.32	23.3

N71							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	22.28	22.13	22.08	
20	PI/2 BPSK	1	53	22.37	22.22	22.21	23.3
20	PI/2 BPSK	1	104	22.15	21.99	21.79	
20	PI/2 BPSK	50	0	21.67	21.66	21.62	
20	PI/2 BPSK	50	28	22.24	22.08	22.07	23.3
20	PI/2 BPSK	50	56	21.67	21.43	21.36	
20	PI/2 BPSK	100	0	21.62	21.60	21.43	22.8
20	QPSK	1	1	22.35	22.13	22.21	
20	QPSK	1	53	22.20	22.18	22.04	23.3
20	QPSK	1	104	22.18	22.03	21.85	
20	QPSK	50	0	21.13	21.15	21.03	
20	QPSK	50	28	22.20	22.05	22.04	23.3
20	QPSK	50	56	21.11	20.92	20.88	
20	QPSK	100	0	21.15	21.06	20.91	22.3
20	16QAM	1	53	21.05	20.97	20.86	22.3
20	64QAM	1	53	19.65	19.72	19.64	21.3
20	256QAM	1	53	17.84	17.96	17.95	18.3
Channel				134100	136100	138100	
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	40	22.32	22.22	22.14	23.3
Channel				133600	136100	138600	
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	26	22.25	22.15	22.16	23.3
Channel				133100	136100	139100	
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	13	22.21	22.13	22.10	23.3



Full Power for ANT2

N2									
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				37600	37600	38000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1880	1880	1920			
20	PI/2 BPSK	1	1	21.01	20.99	20.98			
20	PI/2 BPSK	1	53	21.32	21.18	21.29	21.8	0.0	
20	PI/2 BPSK	1	104	20.86	20.86	20.74			
20	PI/2 BPSK	50	0	20.43	20.44	20.32			
20	PI/2 BPSK	50	28	20.36	20.87	20.86	21.8	0.0	
20	PI/2 BPSK	50	55	20.45	20.35	20.38			
20	PI/2 BPSK	100	0	20.38	20.38	20.35	21.3	0.5	
20	QPSK	1	1	21.04	21.07	20.89			
20	QPSK	1	53	21.20	21.15	20.97	21.8	0.0	
20	QPSK	1	104	20.98	21.00	20.94			
20	QPSK	50	0	19.88	19.92	19.85			
20	QPSK	50	28	20.89	20.93	20.75	21.8	0.0	
20	QPSK	50	55	19.93	19.92	19.77			
20	QPSK	100	0	19.91	19.97	19.80	20.8	1.0	
20	16QAM	1	53	20.01	20.03	20.01	20.8	1.0	
20	64QAM	1	53	19.15	19.04	18.78	19.8	2.0	
20	256QAM	1	53	16.59	16.88	16.67	17.3	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1827.5	1880	1927.5			
15	PI/2 BPSK	1	40	20.98	20.97	20.90	21.8	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)	(dB)
10	PI/2 BPSK	1	26	20.94	20.89	20.83	21.8	0.0	
Channel				375500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1880	1907.5	(dBm)	(dB)	(dB)
5	PI/2 BPSK	1	13	20.97	20.89	20.86	21.8	0.0	

N25									
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	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1890	1890	1925			
20	PI/2 BPSK	1	1	20.90	21.04	20.87			
20	PI/2 BPSK	1	53	21.10	21.11	20.97	21.8	0.0	
20	PI/2 BPSK	1	104	20.95	20.96	20.92			
20	PI/2 BPSK	50	0	20.53	20.38	20.30			
20	PI/2 BPSK	50	28	20.98	21.01	20.89	21.8	0.0	
20	PI/2 BPSK	50	55	20.55	20.54	20.50			
20	PI/2 BPSK	100	0	20.49	20.55	20.30	21.3	0.5	
20	QPSK	1	1	21.05	21.07	20.97			
20	QPSK	1	53	21.09	21.08	21.06	21.8	0.0	
20	QPSK	1	104	21.08	21.06	21.01			
20	QPSK	50	0	20.00	20.02	19.89			
20	QPSK	50	28	21.00	21.04	20.88	21.8	0.0	
20	QPSK	50	55	19.98	20.15	19.98			
20	QPSK	100	0	19.95	20.03	19.87	20.8	1.0	
20	16QAM	1	53	20.11	20.07	19.99	20.8	1.0	
20	64QAM	1	53	19.23	19.13	18.86	19.8	2.0	
20	256QAM	1	53	16.50	16.83	16.72	17.3	4.5	
Channel				371500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1897.5	1890	1927.5	(dBm)	(dB)	(dB)
15	PI/2 BPSK	1	40	21.02	20.98	20.83	21.8	0.0	
Channel				371000	376000	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1910	(dBm)	(dB)	(dB)
10	PI/2 BPSK	1	26	21.04	21.01	20.85	21.8	0.0	
Channel				375500	376000	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1880	1912.5	(dBm)	(dB)	(dB)
5	PI/2 BPSK	1	13	20.99	20.99	20.81	21.8	0.0	

N66									
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				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	21.00	20.80	20.85			
20	PI/2 BPSK	1	53	21.06	20.81	20.89	21.8	0.0	
20	PI/2 BPSK	1	104	20.89	20.80	20.52			
20	PI/2 BPSK	50	0	20.55	20.36	20.27			
20	PI/2 BPSK	50	28	20.96	20.84	20.72	21.8	0.0	
20	PI/2 BPSK	50	55	20.43	20.32	20.17			
20	PI/2 BPSK	100	0	20.51	20.33	20.22	21.3	0.5	
20	QPSK	1	1	21.00	20.99	20.83			
20	QPSK	1	53	21.03	20.93	20.86	21.8	0.0	
20	QPSK	1	104	20.99	20.91	20.82			
20	QPSK	50	0	19.95	19.83	19.72			
20	QPSK	50	28	20.96	20.79	20.69	21.8	0.0	
20	QPSK	50	55	19.87	19.76	19.67			
20	QPSK	100	0	19.87	19.84	19.67	20.8	1.0	
20	16QAM	1	53	19.95	20.33	20.21	20.8	1.0	
20	64QAM	1	53	19.18	18.97	18.71	19.8	2.0	
20	256QAM	1	53	16.29	16.78	16.42	17.3	4.5	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	(dB)
15	PI/2 BPSK	1	40	20.93	20.97	20.95	21.8	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1745	1745	1775	(dBm)	(dB)	(dB)
10	PI/2 BPSK	1	26	20.99	20.98	20.82	21.8	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	(dB)
5	PI/2 BPSK	1	13	20.94	20.84	20.78	21.8	0.0	



N41_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				505002	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.75	19.80	19.72			
100	PI/2 BPSK	1	137	19.84	19.70	19.57	21.0	0.0	
100	PI/2 BPSK	1	271	19.49	19.54	19.43			
100	PI/2 BPSK	135	0	19.56	19.64	19.55			
100	PI/2 BPSK	135	69	19.84	19.88	19.59	21.0	0.0	
100	PI/2 BPSK	135	138	19.80	19.80	19.56			
100	PI/2 BPSK	270	0	19.80	19.85	19.58	21.0	0.0	
100	QPSK	1	1	19.63	19.74	19.65			
100	QPSK	1	137	19.62	19.70	19.55	21.0	0.0	
100	QPSK	1	271	19.41	19.52	19.56			
100	QPSK	135	0	19.44	19.49	19.46			
100	QPSK	135	69	19.50	19.53	19.51	21.0	0.0	
100	QPSK	135	138	19.41	19.47	19.49			
100	QPSK	270	0	19.42	19.50	19.41	21.0	0.0	
100	RCQAM	1	1	19.58	19.74	19.69	21.0	0.0	
100	RCQAM	1	1	19.66	19.69	19.64	21.0	0.0	
100	255QAM	1	1	18.26	18.13	18.31	19.5	1.5	
Channel				508200	518598	528996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.88	(dB)		
90	PI/2 BPSK	1	1	19.72	19.75	19.69	21.0	0.0	
Channel				507204	518598	529996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99	(dB)		
80	PI/2 BPSK	1	1	19.70	19.77	19.68	21.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2536	2592.99	2659.88	(dB)		
60	PI/2 BPSK	1	1	19.62	19.66	19.59	21.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2531.02	2592.99	2634.99	(dB)		
50	PI/2 BPSK	1	1	19.50	19.62	19.55	21.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2518.01	2592.99	2670	(dB)		
40	PI/2 BPSK	1	1	19.68	19.73	19.62	21.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2508.02	2592.99	2639.89	(dB)		
20	PI/2 BPSK	1	1	19.65	19.69	19.63	21.0	0.0	

N41(HPUF)_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				505202	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.71	21.74	21.58			
100	PI/2 BPSK	1	137	21.58	21.67	21.45	23.0	0.0	
100	PI/2 BPSK	1	271	21.32	21.42	21.40			
100	PI/2 BPSK	135	0	21.57	21.61	21.53			
100	PI/2 BPSK	135	69	21.59	21.66	21.55	23.0	0.0	
100	PI/2 BPSK	135	138	21.52	21.62	20.47			
100	PI/2 BPSK	270	0	21.57	21.65	21.53	23.0	0.0	
100	QPSK	1	1	21.70	21.72	21.41			
100	QPSK	1	137	21.51	21.61	21.41	23.0	0.0	
100	QPSK	1	271	21.37	21.54	21.35			
100	QPSK	135	0	21.45	21.51	21.35			
100	QPSK	135	69	21.40	21.51	21.31	23.0	0.0	
100	QPSK	135	138	21.30	21.39	21.30			
100	QPSK	270	0	21.36	21.46	21.29	23.0	0.0	
100	RCQAM	1	1	21.57	21.62	21.61	23.0	0.0	
100	RCQAM	1	1	20.25	20.32	20.24	21.5	1.5	
100	255QAM	1	1	18.38	18.28	18.32	19.5	3.5	
Channel				508200	518598	528996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.88	(dB)		
90	PI/2 BPSK	1	1	21.68	21.72	21.67	23.0	0.0	
Channel				507204	518598	529996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99	(dB)		
80	PI/2 BPSK	1	1	21.64	21.71	21.69	23.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2536	2592.99	2659.88	(dB)		
60	PI/2 BPSK	1	1	21.67	21.69	21.68	23.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2531.02	2592.99	2634.99	(dB)		
50	PI/2 BPSK	1	1	21.70	21.73	21.70	23.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2518.01	2592.99	2670	(dB)		
40	PI/2 BPSK	1	1	21.89	21.59	21.61	23.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2508.02	2592.99	2639.89	(dB)		
20	PI/2 BPSK	1	1	21.65	21.65	21.63	23.0	0.0	



Reduced power level 1 for Head - ANT0

N5								
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				168800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.43	21.38	21.41	22.3	0.0
20	PI/2 BPSK	1	53	21.60	21.54	21.49		
20	PI/2 BPSK	1	104	21.42	21.39	21.43		
20	PI/2 BPSK	50	0	21.31	21.34	21.30	22.3	0.0
20	PI/2 BPSK	50	28	21.56	21.53	21.45		
20	PI/2 BPSK	50	56	21.42	21.41	21.31		
20	PI/2 BPSK	100	0	21.54	21.50	21.42	22.3	0.0
20	QPSK	1	1	21.37	21.31	21.37	22.3	0.0
20	QPSK	1	53	21.46	21.29	21.32		
20	QPSK	1	104	21.28	21.27	21.23		
20	QPSK	50	0	21.34	21.14	21.11	22.3	0.0
20	QPSK	50	28	21.35	21.30	21.31		
20	QPSK	50	56	21.29	21.25	21.30		
20	QPSK	100	0	21.17	21.16	21.14	22.3	0.0
20	16QAM	1	53	21.36	21.32	21.33	22.3	0.0
20	64QAM	1	53	21.12	21.16	21.10	22.3	0.0
20	256QAM	1	53	19.05	19.03	18.98	19.8	2.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	PI/2 BPSK	1	40	21.37	21.35	21.32	22.3	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	PI/2 BPSK	1	26	21.36	21.35	21.31	22.3	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	PI/2 BPSK	1	13	21.34	21.30	21.28	22.3	0.0

N71								
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	20.86	20.80	20.78	22.0	0.0
20	PI/2 BPSK	1	53	20.98	20.83	20.81		
20	PI/2 BPSK	1	104	20.73	20.69	20.74		
20	PI/2 BPSK	50	0	20.85	20.71	20.73	22.0	0.0
20	PI/2 BPSK	50	28	20.95	20.82	20.80		
20	PI/2 BPSK	50	56	20.79	20.73	20.78		
20	PI/2 BPSK	100	0	20.93	20.80	20.77	22.0	0.0
20	QPSK	1	1	20.91	20.90	20.90	22.0	0.0
20	QPSK	1	53	20.87	20.84	20.81		
20	QPSK	1	104	20.63	20.65	20.69		
20	QPSK	50	0	20.86	20.83	20.86	22.0	0.0
20	QPSK	50	28	20.68	20.71	20.66		
20	QPSK	50	56	20.78	20.76	20.78		
20	QPSK	100	0	20.78	20.78	20.79	22.0	0.0
20	16QAM	1	53	20.73	20.71	20.88	22.0	0.0
20	64QAM	1	53	20.22	20.16	20.13	22.0	0.0
20	256QAM	1	53	18.15	18.11	18.08	19.5	2.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	PI/2 BPSK	1	40	20.71	20.69	20.68	22.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	PI/2 BPSK	1	26	20.73	20.69	20.64	22.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	PI/2 BPSK	1	13	20.72	20.68	20.66	22.0	0.0



Reduced power level 1 for Head - ANT2

N2									
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				375000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	15.07	15.02	15.01			
20	PI2 BPSK	1	53	15.32	15.29	15.31	15.9	0.0	
20	PI2 BPSK	1	104	14.96	14.94	14.82			
20	PI2 BPSK	50	0	15.21	15.23	15.19			
20	PI2 BPSK	50	28	15.30	15.28	15.26	15.9	0.0	
20	PI2 BPSK	50	56	15.25	15.23	15.21			
20	PI2 BPSK	100	0	15.27	15.26	15.25	15.9	0.0	
20	QPSK	1	1	15.12	15.08	15.05			
20	QPSK	1	53	15.16	15.14	15.06	15.9	0.0	
20	QPSK	1	104	15.08	15.11	15.06			
20	QPSK	50	0	15.08	15.10	15.04			
20	QPSK	50	28	15.12	15.06	15.08	15.9	0.0	
20	QPSK	50	56	15.06	15.08	15.09			
20	QPSK	100	0	15.11	15.13	15.10	15.9	0.0	
20	16QAM	1	53	15.14	15.15	15.11			
20	84QAM	1	53	15.23	15.23	15.20	15.9	0.0	
20	256QAM	1	53	15.23	15.22	15.20	15.9	0.0	
Channel				371500	376000	380500			
Frequency (MHz)				1867.5	1880	1902.5			
15	PI2 BPSK	1	40	15.26	15.24	15.22	15.9	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1865	1880	1905			
10	PI2 BPSK	1	26	15.27	15.26	15.26	15.9	0.0	
Channel				370500	376000	381500			
Frequency (MHz)				1862.5	1880	1907.5			
5	PI2 BPSK	1	13	15.30	15.28	15.25	15.9	0.0	

N25									
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				375000	376000	381000			
Frequency (MHz)				1860	1880	1905			
20	PI2 BPSK	1	1	14.98	15.00	14.95			
20	PI2 BPSK	1	53	15.19	15.23	15.17	15.9	0.0	
20	PI2 BPSK	1	104	15.14	15.18	15.11			
20	PI2 BPSK	50	0	14.91	14.95	14.88			
20	PI2 BPSK	50	28	15.16	15.19	15.14	15.9	0.0	
20	PI2 BPSK	50	56	15.00	15.02	14.98			
20	PI2 BPSK	100	0	15.13	15.14	15.11	15.9	0.0	
20	QPSK	1	1	14.91	14.93	14.90			
20	QPSK	1	53	15.15	15.18	15.15	15.9	0.0	
20	QPSK	1	104	15.03	15.06	15.03			
20	QPSK	50	0	14.97	14.98	14.96			
20	QPSK	50	28	15.11	15.13	15.06	15.9	0.0	
20	QPSK	50	56	15.06	15.05	15.00			
20	QPSK	100	0	14.88	14.90	14.84	15.9	0.0	
20	16QAM	1	53	15.14	15.18	15.13			
20	84QAM	1	53	15.00	15.02	15.01	15.9	0.0	
20	256QAM	1	53	15.08	15.10	15.04	15.9	0.0	
Channel				371500	376000	381500			
Frequency (MHz)				1867.5	1880	1907.5			
15	PI2 BPSK	1	40	15.03	15.05	15.01	15.9	0.0	
Channel				371000	376000	382000			
Frequency (MHz)				1865	1880	1910			
10	PI2 BPSK	1	26	15.04	15.07	15.03	15.9	0.0	
Channel				370500	376000	382500			
Frequency (MHz)				1862.5	1880	1912.5			
5	PI2 BPSK	1	13	15.08	15.07	15.06	15.9	0.0	

N66									
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	345000	350000			
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	14.41	14.23	14.16			
20	PI2 BPSK	1	53	14.68	14.65	14.49	15.2	0.0	
20	PI2 BPSK	1	104	14.32	14.13	14.36			
20	PI2 BPSK	50	0	14.60	14.43	14.15			
20	PI2 BPSK	50	28	14.64	14.63	14.46	15.2	0.0	
20	PI2 BPSK	50	56	14.56	14.42	14.16			
20	PI2 BPSK	100	0	14.62	14.60	14.43	15.2	0.0	
20	QPSK	1	1	14.40	14.36	14.33			
20	QPSK	1	53	14.42	14.37	14.32	15.2	0.0	
20	QPSK	1	104	14.38	14.31	14.25			
20	QPSK	50	0	14.38	14.30	14.27			
20	QPSK	50	28	14.38	14.32	14.29	15.2	0.0	
20	QPSK	50	56	14.34	14.28	14.25			
20	QPSK	100	0	14.38	14.30	14.23	15.2	0.0	
20	16QAM	1	53	14.43	14.25	14.21			
20	84QAM	1	53	14.47	14.38	14.14	15.2	0.0	
20	256QAM	1	53	14.50	14.49	14.39	15.2	0.0	
Channel				343500	345000	346500			
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	40	14.67	14.40	14.28	15.2	0.0	
Channel				343000	345000	350000			
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	26	14.56	14.36	14.22	15.2	0.0	
Channel				342500	345000	350500			
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	13	14.63	14.38	14.28	15.2	0.0	



N41_FCC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PUSC	1	1	15.72	15.72	15.74			
100	PUSC	1	137	15.04	15.08	15.08	16.4	0.0	
100	PUSC	1	211	15.04	15.04	15.04			
100	PUSC	135	0	15.02	15.03	15.02			
100	PUSC	135	0	15.11	15.11	15.11	16.4	0.0	
100	PUSC	135	0	15.11	15.13	15.13			
100	PUSC	210	0	15.11	15.13	15.13	16.4	0.0	
100	QPSK	1	1	14.98	15.11	15.03			
100	QPSK	1	137	15.02	15.08	15.01	16.4	0.0	
100	QPSK	1	211	14.91	15.06	14.96			
100	QPSK	135	0	14.91	14.94	14.79			
100	QPSK	135	0	14.81	14.82	14.82	16.4	0.0	
100	QPSK	135	138	14.81	14.86	14.82			
100	QPSK	210	0	14.82	14.83	14.79	16.4	0.0	
100	QAM	1	1	15.04	15.04	15.04	16.4	0.0	
100	QAM	1	1	15.08	15.08	15.04	16.4	0.0	
100	QAM	1	1	15.11	15.11	15.04	16.4	0.0	
Channel									
Frequency (MHz)									
50	PUSC	1	1	14.98	14.98	14.94	16.4	0.0	
Channel									
Frequency (MHz)									
80	PUSC	1	1	14.94	14.95	14.95	16.4	0.0	
Channel									
Frequency (MHz)									
60	PUSC	1	1	14.91	14.95	14.93	16.4	0.0	
Channel									
Frequency (MHz)									
30	PUSC	1	1	14.91	14.91	14.84	16.4	0.0	
Channel									
Frequency (MHz)									
40	PUSC	1	1	14.93	14.93	14.81	16.4	0.0	
Channel									
Frequency (MHz)									
20	PUSC	1	1	14.93	14.95	14.89	16.4	0.0	

N41(MPUE)_FCC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PUSC	1	1	15.74	15.74	15.74			
100	PUSC	1	137	15.04	15.08	15.08	16.4	0.0	
100	PUSC	1	211	15.04	15.04	15.04			
100	PUSC	135	0	15.02	15.03	15.02			
100	PUSC	135	0	15.11	15.11	15.11	16.4	0.0	
100	PUSC	135	0	15.11	15.13	15.13			
100	PUSC	210	0	15.11	15.13	15.13	16.4	0.0	
100	QPSK	1	1	14.98	15.11	15.03			
100	QPSK	1	137	15.02	15.08	15.01	16.4	0.0	
100	QPSK	1	211	14.91	15.06	14.96			
100	QPSK	135	0	14.91	14.94	14.79			
100	QPSK	135	0	14.81	14.82	14.82	16.4	0.0	
100	QPSK	135	138	14.81	14.86	14.82			
100	QPSK	210	0	14.82	14.83	14.79	16.4	0.0	
100	QAM	1	1	15.04	15.04	15.04	16.4	0.0	
100	QAM	1	1	15.08	15.08	15.04	16.4	0.0	
100	QAM	1	1	15.11	15.11	15.04	16.4	0.0	
Channel									
Frequency (MHz)									
50	PUSC	1	1	14.98	14.98	14.94	16.4	0.0	
Channel									
Frequency (MHz)									
80	PUSC	1	1	14.94	14.95	14.95	16.4	0.0	
Channel									
Frequency (MHz)									
60	PUSC	1	1	14.91	14.95	14.93	16.4	0.0	
Channel									
Frequency (MHz)									
30	PUSC	1	1	14.91	14.91	14.84	16.4	0.0	
Channel									
Frequency (MHz)									
40	PUSC	1	1	14.93	14.93	14.81	16.4	0.0	
Channel									
Frequency (MHz)									
20	PUSC	1	1	14.93	14.95	14.89	16.4	0.0	



Reduced power level 2/3/4 for Head - ANT0

N5									
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			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	18.40	18.34	18.28			
20	PI/2 BPSK	1	53	18.44	18.40	18.38	19.2	0.0	
20	PI/2 BPSK	1	104	18.31	18.26	18.22			
20	PI/2 BPSK	50	0	18.31	18.29	18.27			
20	PI/2 BPSK	50	28	18.38	18.36	18.35	19.2	0.0	
20	PI/2 BPSK	50	56	18.22	18.23	18.17			
20	PI/2 BPSK	100	0	18.36	18.34	18.32	19.2	0.0	
20	QPSK	1	1	18.34	18.32	18.32			
20	QPSK	1	53	18.42	18.37	18.37	19.2	0.0	
20	QPSK	1	104	18.26	18.23	18.22			
20	QPSK	50	0	18.35	18.32	18.38			
20	QPSK	50	28	18.39	18.33	18.36	19.2	0.0	
20	QPSK	50	56	18.32	18.30	18.26			
20	QPSK	100	0	18.22	18.19	18.16	19.2	0.0	
20	16QAM	1	53	18.14	18.10	18.12	19.2	0.0	
20	64QAM	1	53	18.42	18.39	18.41	19.2	0.0	
20	256QAM	1	53	18.40	18.43	18.42	19.2	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	19.2	0.0	
15	PI/2 BPSK	1	40	18.33	18.32	18.28	19.2	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	19.2	0.0	
10	PI/2 BPSK	1	26	18.33	18.32	18.29	19.2	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	19.2	0.0	
5	PI/2 BPSK	1	13	18.31	18.31	18.30	19.2	0.0	

N71									
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			
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	17.80	17.70	17.59			
20	PI/2 BPSK	1	53	17.83	17.72	17.66	18.7	0.0	
20	PI/2 BPSK	1	104	17.65	17.61	17.63			
20	PI/2 BPSK	50	0	17.73	17.64	17.66			
20	PI/2 BPSK	50	28	17.80	17.69	17.64	18.7	0.0	
20	PI/2 BPSK	50	56	17.64	17.58	17.63			
20	PI/2 BPSK	100	0	17.78	17.67	17.62	18.7	0.0	
20	QPSK	1	1	17.80	17.78	17.73			
20	QPSK	1	53	17.79	17.76	17.73	18.7	0.0	
20	QPSK	1	104	17.51	17.53	17.47			
20	QPSK	50	0	17.75	17.72	17.75			
20	QPSK	50	28	17.81	17.84	17.59	18.7	0.0	
20	QPSK	50	56	17.70	17.88	17.70			
20	QPSK	100	0	17.66	17.66	17.67	18.7	0.0	
20	16QAM	1	53	17.68	17.65	17.66	18.7	0.0	
20	64QAM	1	53	17.72	17.69	17.67	18.7	0.0	
20	256QAM	1	53	17.66	17.63	17.61	18.7	0.0	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5	18.7	0.0	
15	PI/2 BPSK	1	40	17.71	17.68	17.66	18.7	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693	18.7	0.0	
10	PI/2 BPSK	1	26	17.69	17.66	17.63	18.7	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5	18.7	0.0	
5	PI/2 BPSK	1	13	17.66	17.64	17.62	18.7	0.0	



Reduced power level 2/3/4 for Head - ANT2

N2									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	15.07	15.02	15.01			
20	PI2 BPSK	1	53	15.32	15.29	15.31	15.9	0.0	
20	PI2 BPSK	1	104	14.96	14.94	14.92			
20	PI2 BPSK	50	0	15.21	15.23	15.19			
20	PI2 BPSK	50	28	15.30	15.28	15.28	15.9	0.0	
20	PI2 BPSK	50	56	15.25	15.23	15.21			
20	PI2 BPSK	100	0	15.27	15.26	15.25	15.9	0.0	
20	QPSK	1	1	15.12	15.08	15.05			
20	QPSK	1	53	15.16	15.14	15.08	15.9	0.0	
20	QPSK	1	104	15.08	15.11	15.04			
20	QPSK	50	0	15.08	15.10	15.04			
20	QPSK	50	28	15.12	15.06	15.08	15.9	0.0	
20	QPSK	50	56	15.06	15.08	15.09			
20	QPSK	100	0	15.11	15.13	15.10	15.9	0.0	
20	16QAM	1	53	15.14	15.15	15.11	15.9	0.0	
20	84QAM	1	53	15.23	15.23	15.20	15.9	0.0	
20	256QAM	1	53	15.23	15.22	15.20	15.9	0.0	
Channel				371500	376000	380500			
Frequency (MHz)				1867.5	1880	1902.5			
15	PI2 BPSK	1	40	15.26	15.24	15.22	15.9	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1855	1880	1905			
10	PI2 BPSK	1	26	15.27	15.26	15.26	15.9	0.0	
Channel				370500	376000	381500			
Frequency (MHz)				1823	1880	1937.5			
5	PI2 BPSK	1	13	15.30	15.29	15.25	15.9	0.0	

N25									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				372000	376000	381000			
Frequency (MHz)				1860	1880	1905			
20	PI2 BPSK	1	1	14.98	15.00	14.95			
20	PI2 BPSK	1	53	15.19	15.23	15.17	15.9	0.0	
20	PI2 BPSK	1	104	15.14	15.18	15.11			
20	PI2 BPSK	50	0	14.91	14.95	14.88			
20	PI2 BPSK	50	28	15.16	15.19	15.14	15.9	0.0	
20	PI2 BPSK	50	56	15.00	15.02	14.98			
20	PI2 BPSK	100	0	15.13	15.14	15.11	15.9	0.0	
20	QPSK	1	1	14.91	14.93	14.90			
20	QPSK	1	53	15.15	15.18	15.15	15.9	0.0	
20	QPSK	1	104	15.03	15.06	15.03			
20	QPSK	50	0	14.97	14.98	14.96			
20	QPSK	50	28	15.11	15.13	15.08	15.9	0.0	
20	QPSK	50	56	15.06	15.05	15.00			
20	QPSK	100	0	14.88	14.90	14.84	15.9	0.0	
20	16QAM	1	53	15.14	15.18	15.13	15.9	0.0	
20	84QAM	1	53	15.00	15.02	15.01	15.9	0.0	
20	256QAM	1	53	15.06	15.10	15.04	15.9	0.0	
Channel				371500	376000	381500			
Frequency (MHz)				1867.5	1880	1907.5			
15	PI2 BPSK	1	40	15.03	15.05	15.01	15.9	0.0	
Channel				371000	376000	382000			
Frequency (MHz)				1855	1880	1910			
10	PI2 BPSK	1	26	15.04	15.07	15.03	15.9	0.0	
Channel				370500	376000	382500			
Frequency (MHz)				1823	1880	1912.5			
5	PI2 BPSK	1	13	15.08	15.07	15.00	15.9	0.0	

N66									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	14.41	14.23	14.16			
20	PI2 BPSK	1	53	14.88	14.85	14.49	15.2	0.0	
20	PI2 BPSK	1	104	14.32	14.13	14.38			
20	PI2 BPSK	50	0	14.60	14.43	14.15			
20	PI2 BPSK	50	28	14.84	14.83	14.46	15.2	0.0	
20	PI2 BPSK	50	56	14.58	14.42	14.16			
20	PI2 BPSK	100	0	14.62	14.60	14.43	15.2	0.0	
20	QPSK	1	1	14.40	14.36	14.33			
20	QPSK	1	53	14.42	14.37	14.32	15.2	0.0	
20	QPSK	1	104	14.38	14.31	14.25			
20	QPSK	50	0	14.38	14.30	14.27			
20	QPSK	50	28	14.38	14.32	14.29	15.2	0.0	
20	QPSK	50	56	14.34	14.28	14.25			
20	QPSK	100	0	14.36	14.30	14.23	15.2	0.0	
20	16QAM	1	53	14.43	14.25	14.21	15.2	0.0	
20	84QAM	1	53	14.47	14.38	14.14	15.2	0.0	
20	256QAM	1	53	14.59	14.49	14.39	15.2	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	40	14.57	14.40	14.28	15.2	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	26	14.56	14.36	14.22	15.2	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	13	14.53	14.33	14.20	15.2	0.0	



N41_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				599202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	15.16	15.20	15.14			
100	PI2 BPSK	1	137	15.04	15.08	15.08	16.4	0.0	
100	PI2 BPSK	1	271	15.04	15.05	15.04			
100	PI2 BPSK	135	0	15.00	15.03	15.02			
100	PI2 BPSK	135	69	15.13	15.16	15.12	16.4	0.0	
100	PI2 BPSK	135	138	14.92	14.95	14.91			
100	PI2 BPSK	270	0	15.11	15.13	15.10	16.4	0.0	
100	QPSK	1	1	14.98	15.11	15.03			
100	QPSK	1	137	15.02	15.08	15.01	16.4	0.0	
100	QPSK	1	271	14.91	15.06	14.90			
100	QPSK	135	0	14.80	14.84	14.78			
100	QPSK	135	69	14.84	14.82	14.82	16.4	0.0	
100	QPSK	135	138	14.83	14.86	14.82			
100	QPSK	270	0	14.80	14.83	14.78	16.4	0.0	
100	16QAM	1	1	15.04	15.02	15.04	16.4	0.0	
100	64QAM	1	1	15.06	15.06	15.04	16.4	0.0	
100	256QAM	1	1	15.10	15.11	15.08	16.4	0.0	
Channel				508200	518598	528998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.08			
90	PI2 BPSK	1	1	14.98	14.98	14.94	16.4	0.0	
Channel				507204	518598	529998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	PI2 BPSK	1	1	14.94	14.96	14.95	16.4	0.0	
Channel				505200	518598	531998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2536	2592.99	2659.88			
60	PI2 BPSK	1	1	14.93	14.95	14.93	16.4	0.0	
Channel				504204	518598	532998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	14.83	14.90	14.84	16.4	0.0	
Channel				503202	518598	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	14.89	14.93	14.86	16.4	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2504.02	2592.99	2679.88			
20	PI2 BPSK	1	1	14.93	14.95	14.88	16.4	0.0	

N41(HPUE)_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	PI2 BPSK	1	1	15.16	15.20	15.14			
100	PI2 BPSK	1	137	15.04	15.08	15.08	16.4	0.0	
100	PI2 BPSK	1	271	15.04	15.05	15.04			
100	PI2 BPSK	135	0	15.00	15.03	15.02			
100	PI2 BPSK	135	69	15.13	15.16	15.12	16.4	0.0	
100	PI2 BPSK	135	138	14.92	14.95	14.91			
100	PI2 BPSK	270	0	15.11	15.13	15.10	16.4	0.0	
100	QPSK	1	1	14.98	15.11	15.03			
100	QPSK	1	137	15.02	15.08	15.01	16.4	0.0	
100	QPSK	1	271	14.91	15.06	14.90			
100	QPSK	135	0	14.80	14.84	14.78			
100	QPSK	135	69	14.84	14.82	14.82	16.4	0.0	
100	QPSK	135	138	14.83	14.86	14.82			
100	QPSK	270	0	14.80	14.83	14.78	16.4	0.0	
100	16QAM	1	1	15.04	15.02	15.04	16.4	0.0	
100	64QAM	1	1	15.06	15.06	15.04	14.9	1.5	
100	256QAM	1	1	15.10	15.11	15.08	12.9	3.5	
Channel				508200	518598	528998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2541	2592.99	2644.08			
90	PI2 BPSK	1	1	14.98	14.98	14.94	16.4	0.0	
Channel				507204	518598	529998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	PI2 BPSK	1	1	14.94	14.96	14.95	16.4	0.0	
Channel				505200	518598	531998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2536	2592.99	2659.88			
60	PI2 BPSK	1	1	14.93	14.95	14.93	16.4	0.0	
Channel				504204	518598	532998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	14.83	14.90	14.84	16.4	0.0	
Channel				503202	518598	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	14.89	14.93	14.86	16.4	0.0	
Channel				501204	518598	535998	Tune-up limit (dB)	MPR	
Frequency (MHz)				2504.02	2592.99	2679.88			
20	PI2 BPSK	1	1	14.93	14.95	14.88	16.4	0.0	



Reduced power for Hotspot on - ANT2

N2									
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			
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	17.00	16.90	16.87			
20	PI2 BPSK	1	53	17.17	17.10	17.04	17.8	0.0	
20	PI2 BPSK	1	104	16.95	16.82	16.80			
20	PI2 BPSK	50	0	16.85	16.82	16.78			
20	PI2 BPSK	50	28	17.05	17.00	16.95	17.8	0.0	
20	PI2 BPSK	50	56	16.82	16.80	16.75			
20	PI2 BPSK	100	0	16.98	16.95	16.92	17.8	0.0	
20	QPSK	1	1	17.11	16.98	16.82			
20	QPSK	1	53	17.09	16.78	16.59	17.8	0.0	
20	QPSK	1	104	17.00	16.96	16.78			
20	QPSK	50	0	16.90	16.87	16.91			
20	QPSK	50	28	17.07	16.78	16.89	17.8	0.0	
20	QPSK	50	56	16.73	16.82	16.80			
20	QPSK	100	0	16.91	17.07	16.91	17.8	0.0	
20	16QAM	1	53	17.12	16.97	17.00	17.8	0.0	
20	84QAM	1	53	16.97	16.80	16.84	17.8	0.0	
20	256QAM	1	53	17.05	16.86	16.93	17.8	0.0	
Channel				371500	376000	380500			
Frequency (MHz)				1857.5	1880	1902.5			
15	PI2 BPSK	1	40	17.08	17.03	16.98	17.8	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1855	1880	1905			
10	PI2 BPSK	1	26	17.05	16.98	16.94	17.8	0.0	
Channel				370500	376000	381500			
Frequency (MHz)				1852.5	1880	1907.5			
5	PI2 BPSK	1	13	17.10	17.00	17.02	17.8	0.0	

N25									
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	378000	381000			
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	17.05	17.09	17.02			
20	PI2 BPSK	1	53	17.18	17.20	17.14	17.8	0.0	
20	PI2 BPSK	1	104	16.98	17.01	16.95			
20	PI2 BPSK	50	0	17.00	17.09	16.98			
20	PI2 BPSK	50	28	17.12	17.15	17.11	17.8	0.0	
20	PI2 BPSK	50	56	16.96	17.00	16.92			
20	PI2 BPSK	100	0	17.08	17.11	17.07	17.8	0.0	
20	QPSK	1	1	16.94	17.04	17.00			
20	QPSK	1	53	16.76	16.95	16.81	17.8	0.0	
20	QPSK	1	104	16.76	16.94	16.84			
20	QPSK	50	0	16.86	16.97	16.71			
20	QPSK	50	28	17.07	17.10	16.97	17.8	0.0	
20	QPSK	50	56	16.92	16.74	16.79			
20	QPSK	100	0	17.02	16.89	16.90	17.8	0.0	
20	16QAM	1	53	16.91	17.07	17.00	17.8	0.0	
20	84QAM	1	53	16.98	16.81	16.85	17.8	0.0	
20	256QAM	1	53	16.79	16.75	16.84	17.8	0.0	
Channel				371500	376000	381500			
Frequency (MHz)				1857.5	1880	1907.5			
15	PI2 BPSK	1	40	16.82	16.79	16.76	17.8	0.0	
Channel				371000	376000	382000			
Frequency (MHz)				1855	1880	1910			
10	PI2 BPSK	1	26	16.78	17.05	16.94	17.8	0.0	
Channel				370500	376000	382500			
Frequency (MHz)				1852.5	1880	1912.5			
5	PI2 BPSK	1	13	16.85	16.87	16.79	17.8	0.0	

N66									
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			
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	16.98	16.91	16.88			
20	PI2 BPSK	1	53	16.96	16.98	16.91	19.8	0.0	
20	PI2 BPSK	1	104	16.91	16.83	16.80			
20	PI2 BPSK	50	0	16.89	16.96	16.79			
20	PI2 BPSK	50	28	16.93	16.95	16.88	19.8	0.0	
20	PI2 BPSK	50	56	16.82	16.89	16.85			
20	PI2 BPSK	100	0	16.99	16.93	16.85	19.8	0.0	
20	QPSK	1	1	16.72	16.76	16.60			
20	QPSK	1	53	16.65	16.08	16.55	19.8	0.0	
20	QPSK	1	104	16.75	16.74	16.56			
20	QPSK	50	0	16.60	16.74	16.50			
20	QPSK	50	28	16.84	16.75	16.63	19.8	0.0	
20	QPSK	50	56	16.85	16.76	16.65			
20	QPSK	100	0	16.75	16.69	16.65	19.8	0.0	
20	16QAM	1	53	16.74	16.65	16.80	19.8	0.0	
20	84QAM	1	53	16.91	16.81	16.70	19.8	0.0	
20	256QAM	1	53	16.71	16.96	16.67	19.8	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	40	16.62	16.67	16.74	19.8	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	26	16.83	16.78	16.57	19.8	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	13	16.73	16.63	16.52	19.8	0.0	



N41_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	PI2 BPSK	1	1	17.58	17.40	17.55			
100	PI2 BPSK	1	137	17.45	17.46	17.40	18.5	0.0	
100	PI2 BPSK	1	271	17.40	17.44	17.38			
100	PI2 BPSK	135	0	17.43	17.46	17.35			
100	PI2 BPSK	135	89	17.55	17.57	17.53	18.5	0.0	
100	PI2 BPSK	135	138	17.48	17.51	17.42			
100	PI2 BPSK	270	0	17.52	17.55	17.50	18.5	0.0	
100	QPSK	1	1	17.52	17.53	17.45			
100	QPSK	1	137	17.16	17.25	17.14	18.5	0.0	
100	QPSK	1	271	17.30	17.40	17.20			
100	QPSK	135	0	17.15	17.34	17.26			
100	QPSK	135	89	17.43	17.45	17.33	18.5	0.0	
100	QPSK	135	138	17.30	17.50	17.26			
100	QPSK	270	0	17.29	17.47	17.28	18.5	0.0	
100	16QAM	1	1	17.48	17.48	17.28	18.5	0.0	
100	64QAM	1	1	17.41	17.44	17.30	18.5	0.0	
100	256QAM	1	1	17.50	17.46	17.24	18.5	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.88			
90	PI2 BPSK	1	1	17.53	17.25	17.45	18.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	PI2 BPSK	1	1	17.28	17.44	17.28	18.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.88			
60	PI2 BPSK	1	1	17.19	17.19	17.23	18.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2644.99			
50	PI2 BPSK	1	1	17.28	17.48	17.23	18.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	17.32	17.39	17.35	18.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	17.31	17.30	17.33	18.5	0.0	

N41(HPUE)_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	PI2 BPSK	1	1	17.58	17.40	17.55			
100	PI2 BPSK	1	137	17.45	17.46	17.40	18.5	0.0	
100	PI2 BPSK	1	271	17.40	17.44	17.38			
100	PI2 BPSK	135	0	17.43	17.46	17.35			
100	PI2 BPSK	135	89	17.55	17.57	17.53	18.5	0.0	
100	PI2 BPSK	135	138	17.48	17.51	17.42			
100	PI2 BPSK	270	0	17.52	17.55	17.50	18.5	0.0	
100	QPSK	1	1	17.52	17.53	17.45			
100	QPSK	1	137	17.16	17.25	17.14	18.5	0.0	
100	QPSK	1	271	17.30	17.40	17.20			
100	QPSK	135	0	17.15	17.34	17.26			
100	QPSK	135	89	17.43	17.45	17.33	18.5	0.0	
100	QPSK	135	138	17.30	17.50	17.26			
100	QPSK	270	0	17.29	17.47	17.28	18.5	0.0	
100	16QAM	1	1	17.48	17.48	17.28	18.5	0.0	
100	64QAM	1	1	17.41	17.44	17.30	18.5	0.0	
100	256QAM	1	1	17.50	17.46	17.24	18.5	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.88			
90	PI2 BPSK	1	1	17.53	17.25	17.45	18.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	PI2 BPSK	1	1	17.28	17.44	17.28	18.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.88			
60	PI2 BPSK	1	1	17.19	17.19	17.23	18.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2644.99			
50	PI2 BPSK	1	1	17.28	17.48	17.23	18.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	17.32	17.39	17.35	18.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	17.31	17.30	17.33	18.5	0.0	



Full Power for ANT1

N5								
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		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.17	23.13	23.09	23.8	0.0
20	PI/2 BPSK	1	53	23.37	23.31	23.24		
20	PI/2 BPSK	1	104	23.15	23.11	23.03		
20	PI/2 BPSK	50	0	22.57	22.53	22.56	23.8	0.0
20	PI/2 BPSK	50	28	23.16	23.07	23.02		
20	PI/2 BPSK	50	56	22.56	22.54	22.55		
20	PI/2 BPSK	100	0	20.56	20.53	20.51	23.3	0.5
20	QPSK	1	1	23.02	23.01	23.05	23.8	0.0
20	QPSK	1	53	23.01	23.03	23.07		
20	QPSK	1	104	22.97	22.98	22.98		
20	QPSK	50	0	22.07	22.08	22.08	23.8	0.0
20	QPSK	50	28	23.10	23.03	23.02		
20	QPSK	50	56	22.02	22.04	22.02		
20	QPSK	100	0	22.09	22.01	22.00	22.8	1.0
20	16QAM	1	53	22.21	22.01	22.05	22.8	1.0
20	64QAM	1	53	20.76	21.12	21.01	21.8	2.0
20	256QAM	1	53	18.71	18.88	18.89	19.3	4.5
Channel				166300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	PI/2 BPSK	1	40	23.12	23.12	23.05	23.8	0.0
Channel				165800	167300	168800	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	PI/2 BPSK	1	26	23.16	23.06	23.12	23.8	0.0
Channel				163300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	PI/2 BPSK	1	13	23.08	23.04	23.07	23.8	0.0

N71								
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		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.80	22.73	22.74	23.8	0.0
20	PI/2 BPSK	1	53	22.97	22.86	22.82		
20	PI/2 BPSK	1	104	22.73	22.62	22.53		
20	PI/2 BPSK	50	0	22.33	22.23	22.19	23.8	0.0
20	PI/2 BPSK	50	28	22.73	22.69	22.65		
20	PI/2 BPSK	50	56	22.33	22.13	22.03		
20	PI/2 BPSK	100	0	22.28	22.21	22.17	23.3	0.5
20	QPSK	1	1	22.80	22.83	22.76	23.8	0.0
20	QPSK	1	53	22.72	22.75	22.82		
20	QPSK	1	104	22.81	22.83	22.44		
20	QPSK	50	0	21.67	21.71	21.67	23.8	0.0
20	QPSK	50	28	22.58	22.67	22.82		
20	QPSK	50	56	21.55	21.57	21.53		
20	QPSK	100	0	21.68	21.70	21.67	22.8	1.0
20	16QAM	1	53	21.65	21.50	21.47	22.8	1.0
20	64QAM	1	53	20.61	20.61	20.47	21.8	2.0
20	256QAM	1	53	18.58	18.62	18.47	19.3	4.5
Channel				134100	136100	138100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)
15	PI/2 BPSK	1	40	22.88	22.72	22.69	23.8	0.0
Channel				133600	136100	138600	Tune-up limit	MPR
Frequency (MHz)				668	680.5	693	(dBm)	(dB)
10	PI/2 BPSK	1	26	22.74	22.65	22.68	23.8	0.0
Channel				133100	136100	139100	Tune-up limit	MPR
Frequency (MHz)				665.5	680.5	685.5	(dBm)	(dB)
5	PI/2 BPSK	1	13	22.79	22.83	22.74	23.8	0.0



Full Power for ANT3

N2									
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	PI2 BPSK	1	1	22.95	22.85	22.81			
20	PI2 BPSK	1	53	23.05	22.88	22.86	23.8	0.0	
20	PI2 BPSK	1	104	22.87	22.83	22.69			
20	PI2 BPSK	50	0	22.37	22.28	22.20			
20	PI2 BPSK	50	28	22.84	22.78	22.74	23.8	0.0	
20	PI2 BPSK	50	56	22.35	22.29	22.21			
20	PI2 BPSK	100	0	22.38	22.31	22.37	23.3	0.5	
20	QPSK	1	1	22.87	22.89	22.78			
20	QPSK	1	53	23.01	22.94	22.89	23.8	0.0	
20	QPSK	1	104	22.85	22.80	22.75			
20	QPSK	50	0	21.83	21.82	21.71			
20	QPSK	50	28	22.86	22.83	22.74	23.8	0.0	
20	QPSK	50	56	21.87	21.82	21.76			
20	QPSK	100	0	21.80	21.78	21.63	22.8	1.0	
20	16QAM	1	53	22.34	22.54	22.32	22.8	1.0	
20	64QAM	1	53	20.90	20.86	20.78	21.8	2.0	
20	256QAM	1	53	18.65	18.78	18.61	19.8	4.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
15	PI2 BPSK	1	40	22.92	22.79	22.65	23.8	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	PI2 BPSK	1	26	22.89	22.88	22.81	23.8	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	PI2 BPSK	1	13	22.88	22.79	22.84	23.8	0.0	

N25									
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	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	22.85	22.92	22.81			
20	PI2 BPSK	1	53	22.88	22.98	22.86	23.8	0.0	
20	PI2 BPSK	1	104	22.89	22.90	22.69			
20	PI2 BPSK	50	0	22.36	22.38	22.20			
20	PI2 BPSK	50	28	22.83	22.87	22.74	23.8	0.0	
20	PI2 BPSK	50	56	22.35	22.36	22.21			
20	PI2 BPSK	100	0	22.33	22.35	22.32	23.3	0.5	
20	QPSK	1	1	22.01	22.89	22.78			
20	QPSK	1	53	22.46	22.94	22.85	23.8	0.0	
20	QPSK	1	104	22.83	22.80	22.58			
20	QPSK	50	0	21.80	21.82	21.64			
20	QPSK	50	28	22.87	22.83	22.70	23.8	0.0	
20	QPSK	50	56	21.86	21.82	21.61			
20	QPSK	100	0	21.84	21.87	21.63	22.8	1.0	
20	16QAM	1	53	22.34	22.54	22.40	22.8	1.0	
20	64QAM	1	53	20.91	20.78	20.80	21.8	2.0	
20	256QAM	1	53	18.66	18.84	18.55	19.8	4.0	
Channel				371500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1907.5			
15	PI2 BPSK	1	40	22.93	22.86	22.77	23.8	0.0	
Channel				371000	376000	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1910			
10	PI2 BPSK	1	26	22.89	22.88	22.80	23.8	0.0	
Channel				370500	376000	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1912.5			
5	PI2 BPSK	1	13	22.89	22.81	22.78	23.8	0.0	

N66									
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	PI2 BPSK	1	1	23.21	23.15	22.93			
20	PI2 BPSK	1	53	23.26	22.98	22.79	23.8	0.0	
20	PI2 BPSK	1	104	23.17	22.93	22.78			
20	PI2 BPSK	50	0	22.86	22.49	22.31			
20	PI2 BPSK	50	28	23.12	22.83	22.73	23.8	0.0	
20	PI2 BPSK	50	56	22.84	22.46	22.24			
20	PI2 BPSK	100	0	22.82	22.42	22.30	23.3	0.5	
20	QPSK	1	1	22.84	23.06	22.87			
20	QPSK	1	53	23.02	22.96	22.83	23.8	0.0	
20	QPSK	1	104	22.84	22.70	22.78			
20	QPSK	50	0	22.18	21.98	21.74			
20	QPSK	50	28	23.16	22.94	22.71	23.8	0.0	
20	QPSK	50	56	22.05	21.85	21.70			
20	QPSK	100	0	22.07	21.91	21.76	22.8	1.0	
20	16QAM	1	53	22.37	22.74	22.50	22.8	1.0	
20	64QAM	1	53	20.95	20.88	20.79	21.8	2.0	
20	256QAM	1	53	18.75	18.87	18.50	19.8	4.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	40	23.19	23.14	22.95	23.8	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	26	23.14	23.18	22.83	23.8	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	13	23.10	23.05	22.76	23.8	0.0	



N41_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									
Frequency (MHz)				2548.01	2592.99	2644			
100	PI2 BPSK	1	1	23.07	23.12	23.05			
100	PI2 BPSK	1	137	23.05	23.03	23.05	24.0	0.0	
100	PI2 BPSK	1	271	22.97	23.04	22.98			
100	PI2 BPSK	135	0	22.96	23.02	22.98			
100	PI2 BPSK	135	69	23.03	23.07	23.01	24.0	0.0	
100	PI2 BPSK	135	138	22.88	22.94	22.96			
100	PI2 BPSK	270	0	23.01	23.04	22.98	24.0	0.0	
100	QPSK	1	1	23.02	23.10	23.05			
100	QPSK	1	137	22.97	23.06	22.85	24.0	0.0	
100	QPSK	1	271	22.85	23.05	22.84			
100	QPSK	135	0	22.91	23.00	22.88			
100	QPSK	135	69	22.98	23.02	22.91	24.0	0.0	
100	QPSK	135	138	22.84	22.76	22.80			
100	QPSK	270	0	22.80	22.88	22.80	24.0	0.0	
100	16QAM	1	1	23.03	23.09	23.01	24.0	0.0	
100	16QAM	1	1	22.32	22.57	22.33	23.0	1.0	
100	256QAM	1	1	20.26	20.45	20.32	21.0	3.0	
Channel									
Frequency (MHz)				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
90	PI2 BPSK	1	1	25.11	25.02	25.02	24.0	0.0	
Channel									
Frequency (MHz)				507204	518598	528996	Tune-up limit (dBm)	MPR (dB)	
80	PI2 BPSK	1	1	25.08	25.07	25.02	24.0	0.0	
Channel									
Frequency (MHz)				2538.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)	
80	PI2 BPSK	1	1	23.04	23.05	23.04	24.0	0.0	
Channel									
Frequency (MHz)				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
60	PI2 BPSK	1	1	25.05	25.02	25.03	24.0	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
50	PI2 BPSK	1	1	25.02	25.02	25.04	24.0	0.0	
Channel									
Frequency (MHz)				2521.02	2592.99	2664.99	Tune-up limit (dBm)	MPR (dB)	
40	PI2 BPSK	1	1	22.99	22.91	22.94	24.0	0.0	
Channel									
Frequency (MHz)				2512.02	2592.99	2670	Tune-up limit (dBm)	MPR (dB)	
40	PI2 BPSK	1	1	23.03	23.05	23.00	24.0	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	25.02	25.02	25.03	24.0	0.0	

N41(HPUE)_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									
Frequency (MHz)				2548.01	2592.99	2644			
100	PI2 BPSK	1	1	25.07	25.12	25.05			
100	PI2 BPSK	1	137	24.99	25.01	24.90	26.0	0.0	
100	PI2 BPSK	1	271	24.88	24.90	24.48			
100	PI2 BPSK	135	0	24.56	24.57	24.48			
100	PI2 BPSK	135	69	25.03	25.08	24.98	26.0	0.0	
100	PI2 BPSK	135	138	24.41	24.44	24.40			
100	PI2 BPSK	270	0	24.47	24.53	24.44	25.0	0.5	
100	QPSK	1	1	24.25	24.61	24.32			
100	QPSK	1	137	24.84	24.70	24.81	26.0	0.0	
100	QPSK	1	271	23.83	24.31	23.70			
100	QPSK	135	0	23.80	23.91	23.67			
100	QPSK	135	69	24.92	24.93	24.88	26.0	0.0	
100	QPSK	135	138	23.55	23.68	23.88			
100	QPSK	270	0	23.48	23.84	23.73	25.0	1.0	
100	16QAM	1	1	22.83	23.27	23.10	25.0	1.0	
100	16QAM	1	1	21.87	22.30	21.91	23.0	2.5	
100	256QAM	1	1	20.26	20.59	20.21	21.0	4.5	
Channel									
Frequency (MHz)				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
90	PI2 BPSK	1	1	25.11	25.02	25.02	24.0	0.0	
Channel									
Frequency (MHz)				507204	518598	528996	Tune-up limit (dBm)	MPR (dB)	
80	PI2 BPSK	1	1	25.10	25.04	25.03	26.0	0.0	
Channel									
Frequency (MHz)				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
60	PI2 BPSK	1	1	25.05	25.02	25.04	26.0	0.0	
Channel									
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
50	PI2 BPSK	1	1	25.03	25.01	24.99	26.0	0.0	
Channel									
Frequency (MHz)				2512.02	2592.99	2670	Tune-up limit (dBm)	MPR (dB)	
40	PI2 BPSK	1	1	25.02	25.11	25.04	26.0	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	25.01	25.01	25.02	26.0	0.0	



Reduced power for Hotspot on - ANT3

N2								
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		
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	20.95	20.88	20.82		
20	PI2 BPSK	1	53	21.00	20.91	20.85	21.8	0.0
20	PI2 BPSK	1	104	20.88	20.82	20.78		
20	PI2 BPSK	50	0	20.82	20.80	20.75		
20	PI2 BPSK	50	28	20.97	20.88	20.83	21.8	0.0
20	PI2 BPSK	50	56	20.85	20.82	20.79		
20	PI2 BPSK	100	0	20.94	20.85	20.80	21.8	0.0
20	QPSK	1	1	20.86	20.68	20.58		
20	QPSK	1	53	20.91	20.74	20.74	21.8	0.0
20	QPSK	1	104	20.68	20.67	20.75		
20	QPSK	50	0	20.58	20.52	20.58		
20	QPSK	50	28	20.77	20.85	20.70	21.8	0.0
20	QPSK	50	56	20.83	20.69	20.58		
20	QPSK	100	0	20.65	20.83	20.75	21.8	0.0
20	16QAM	1	53	20.82	20.89	20.85	21.8	0.0
20	64QAM	1	53	20.40	20.37	20.32	21.8	0.0
20	256QAM	1	53	20.90	18.85	20.80	21.8	0.0
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1880	1902.5		
15	PI2 BPSK	1	40	20.90	20.74	20.62	21.8	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	PI2 BPSK	1	26	20.95	20.68	20.72	21.8	0.0
Channel				375500	376000	381500		
Frequency (MHz)				1852.5	1880	1927.5		
5	PI2 BPSK	1	13	20.89	20.80	20.71	21.8	0.0

N5								
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	381000		
Frequency (MHz)				1860	1880	1905		
20	PI2 BPSK	1	1	20.38	20.43	20.35		
20	PI2 BPSK	1	53	20.41	20.46	20.40	21.3	0.0
20	PI2 BPSK	1	104	20.35	20.37	20.33		
20	PI2 BPSK	50	0	20.35	20.38	20.31		
20	PI2 BPSK	50	28	20.39	20.43	20.37	21.3	0.0
20	PI2 BPSK	50	56	20.30	20.36	20.25		
20	PI2 BPSK	100	0	20.36	20.40	20.34	21.3	0.0
20	QPSK	1	1	20.38	20.17	20.18		
20	QPSK	1	53	20.34	20.17	20.28	21.3	0.0
20	QPSK	1	104	20.22	20.25	20.29		
20	QPSK	50	0	20.28	20.34	20.02		
20	QPSK	50	28	20.10	20.31	20.12	21.3	0.0
20	QPSK	50	56	20.09	20.19	19.85		
20	QPSK	100	0	20.35	20.18	20.20	21.3	0.0
20	16QAM	1	53	20.35	20.40	20.31	21.3	0.0
20	64QAM	1	53	20.33	20.42	20.28	21.3	0.0
20	256QAM	1	53	18.80	18.88	20.77	21.3	0.0
Channel				371500	376000	381500		
Frequency (MHz)				1857.5	1880	1907.5		
15	PI2 BPSK	1	40	20.38	20.40	20.06	21.3	0.0
Channel				371000	376000	382000		
Frequency (MHz)				1855	1880	1910		
10	PI2 BPSK	1	26	20.35	20.32	20.18	21.3	0.0
Channel				375500	376000	382500		
Frequency (MHz)				1852.5	1880	1912.5		
5	PI2 BPSK	1	13	20.25	20.24	20.25	21.3	0.0

N66								
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	348000	354000		
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	20.15	21.11	20.95		
20	PI2 BPSK	1	53	21.20	21.16	20.88	21.8	0.0
20	PI2 BPSK	1	104	20.12	21.07	20.93		
20	PI2 BPSK	50	0	20.14	21.13	20.90		
20	PI2 BPSK	50	28	21.18	21.15	20.95	21.8	0.0
20	PI2 BPSK	50	56	20.05	21.01	20.89		
20	PI2 BPSK	100	0	21.15	21.13	20.92	21.8	0.0
20	QPSK	1	1	20.05	20.81	20.72		
20	QPSK	1	53	21.10	21.05	20.85	21.8	0.0
20	QPSK	1	104	20.08	20.85	20.87		
20	QPSK	50	0	19.84	20.85	20.82		
20	QPSK	50	28	21.17	21.06	20.84	21.8	0.0
20	QPSK	50	56	19.88	20.72	20.74		
20	QPSK	100	0	21.15	20.84	20.84	21.8	0.0
20	16QAM	1	53	21.10	21.00	20.95	21.8	0.0
20	64QAM	1	53	20.72	20.84	20.60	21.8	0.0
20	256QAM	1	53	18.85	18.58	18.53	21.8	0.0
Channel				343500	348000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	PI2 BPSK	1	40	20.12	20.88	20.78	21.8	0.0
Channel				343000	348000	355000		
Frequency (MHz)				1715	1745	1775		
10	PI2 BPSK	1	26	20.08	20.83	20.68	21.8	0.0
Channel				342500	348000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	PI2 BPSK	1	13	21.05	21.07	20.73	21.8	0.0



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N41_FCC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (dBm)	Power Max (dBm)	Power High (dBm)	Power Avg (dBm)	Time-up time (dBm)	MPE (dB)
Channel									
Frequency (MHz)									
100	PSSB	1	1	20.25	20.42	20.51			
100	PSSB	1	137	20.25	20.50	20.43	21.4	0.0	
100	PSSB	1	271	20.25	20.40	20.35			
100	PSSB	135	0	20.48	20.51	20.51	21.4	0.0	
100	PSSB	135	138	20.35	20.50	20.45			
100	PSSB	270	0	20.50	20.50	20.54	21.4	0.0	
100	QPSK	1	1	20.27	20.32	20.28			
100	QPSK	1	137	19.99	20.32	20.25	21.4	0.0	
100	QPSK	1	271	20.21	20.32	20.26			
100	QPSK	135	0	20.42	20.47	20.38			
100	QPSK	135	88	20.43	20.32	20.41	21.4	0.0	
100	QPSK	135	138	20.32	20.47	20.35			
100	QPSK	270	0	20.18	20.43	20.50	21.4	0.0	
100	BQAM	1	1	20.26	20.42	20.35	21.4	0.0	
100	BQAM	1	1	20.38	20.29	20.53	21.4	0.0	
100	BQAM	1	1	20.11	20.26	20.25	21.4	0.0	
Channel									
Frequency (MHz)									
50	PSSB	1	1	20.41	20.42	20.47			
Channel									
Frequency (MHz)									
80	PSSB	1	1	20.38	20.38	20.50	21.4	0.0	
Channel									
Frequency (MHz)									
80	PSSB	1	1	20.50	20.50	20.50	21.4	0.0	
Channel									
Frequency (MHz)									
80	PSSB	1	1	20.32	20.40	20.33	21.4	0.0	
Channel									
Frequency (MHz)									
30	PSSB	1	1	20.32	20.42	20.37	21.4	0.0	
Channel									
Frequency (MHz)									
40	PSSB	1	1	20.50	20.50	20.48	21.4	0.0	
Channel									
Frequency (MHz)									
20	PSSB	1	1	20.40	20.42	20.50	21.4	0.0	

N41(HPUE)_FCC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (dBm)	Power Max (dBm)	Power High (dBm)	Power Avg (dBm)	Time-up time (dBm)	MPE (dB)
Channel									
Frequency (MHz)									
100	PSSB	1	1	20.25	20.42	20.51			
100	PSSB	1	137	20.25	20.50	20.43	21.4	0.0	
100	PSSB	1	271	20.25	20.40	20.35			
100	PSSB	135	0	20.48	20.51	20.51	21.4	0.0	
100	PSSB	135	138	20.35	20.50	20.45			
100	PSSB	270	0	20.50	20.50	20.54	21.4	0.0	
100	QPSK	1	1	20.27	20.32	20.28			
100	QPSK	1	137	19.99	20.32	20.25	21.4	0.0	
100	QPSK	1	271	20.21	20.32	20.26			
100	QPSK	135	0	20.42	20.47	20.38			
100	QPSK	135	88	20.43	20.32	20.41	21.4	0.0	
100	QPSK	135	138	20.32	20.47	20.35			
100	QPSK	270	0	20.18	20.43	20.50	21.4	0.0	
100	BQAM	1	1	20.26	20.42	20.35	21.4	0.0	
100	BQAM	1	1	20.38	20.29	20.53	21.4	0.0	
100	BQAM	1	1	20.11	20.26	20.25	21.4	0.0	
Channel									
Frequency (MHz)									
50	PSSB	1	1	20.41	20.42	20.47			
Channel									
Frequency (MHz)									
80	PSSB	1	1	20.38	20.38	20.50	21.4	0.0	
Channel									
Frequency (MHz)									
80	PSSB	1	1	20.50	20.50	20.50	21.4	0.0	
Channel									
Frequency (MHz)									
80	PSSB	1	1	20.32	20.40	20.33	21.4	0.0	
Channel									
Frequency (MHz)									
30	PSSB	1	1	20.32	20.42	20.37	21.4	0.0	
Channel									
Frequency (MHz)									
40	PSSB	1	1	20.50	20.50	20.48	21.4	0.0	
Channel									
Frequency (MHz)									
20	PSSB	1	1	20.40	20.42	20.50	21.4	0.0	



Reduced power for Sensor on - ANT3

N2									
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			
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	22.05	21.98	21.93	22.9	0.0	
20	PI/2 BPSK	1	53	22.10	22.08	22.02			
20	PI/2 BPSK	1	104	22.02	21.93	21.88			
20	PI/2 BPSK	50	0	22.06	21.92	21.86	22.9	0.0	
20	PI/2 BPSK	50	28	22.08	22.05	21.99			
20	PI/2 BPSK	50	56	22.00	21.93	21.84			
20	PI/2 BPSK	100	0	22.05	22.03	21.96	22.9	0.0	
20	QPSK	1	1	21.94	21.74	21.88	22.9	0.0	
20	QPSK	1	53	22.08	22.09	21.80			
20	QPSK	1	104	21.81	21.92	21.82			
20	QPSK	50	0	22.08	21.78	21.84	22.9	0.0	
20	QPSK	50	28	22.05	22.06	21.82			
20	QPSK	50	56	21.79	21.76	21.78			
20	QPSK	100	0	21.96	22.03	21.90	22.9	0.0	
20	16QAM	1	53	22.05	22.00	21.94	22.9	0.0	
20	64QAM	1	53	20.71	20.80	21.53	22.9	0.0	
20	256QAM	1	53	19.02	18.95	21.90	22.9	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	22.9	0.0	
15	PI/2 BPSK	1	40	22.02	21.93	21.73	22.9	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	22.9	0.0	
10	PI/2 BPSK	1	26	21.92	21.78	21.77	22.9	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	22.9	0.0	
5	PI/2 BPSK	1	13	22.01	21.99	21.87	22.9	0.0	

N25									
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	381000			
Frequency (MHz)				1860	1880	1895			
20	PI/2 BPSK	1	1	21.90	21.92	21.99	22.9	0.0	
20	PI/2 BPSK	1	53	22.00	22.05	22.02			
20	PI/2 BPSK	1	104	21.82	21.84	21.83			
20	PI/2 BPSK	50	0	21.80	21.91	21.83	22.9	0.0	
20	PI/2 BPSK	50	28	21.98	22.03	22.00			
20	PI/2 BPSK	50	56	21.83	21.94	21.86			
20	PI/2 BPSK	100	0	21.94	22.00	21.96	22.9	0.0	
20	QPSK	1	1	21.75	21.65	21.81	22.9	0.0	
20	QPSK	1	53	21.71	21.93	21.94			
20	QPSK	1	104	21.73	21.58	21.64			
20	QPSK	50	0	21.79	21.65	21.53	22.9	0.0	
20	QPSK	50	28	21.82	21.79	21.94			
20	QPSK	50	56	21.83	21.91	21.58			
20	QPSK	100	0	21.68	21.79	21.96	22.9	0.0	
20	16QAM	1	53	21.61	21.77	21.85	22.9	0.0	
20	64QAM	1	53	21.50	21.74	21.81	22.9	0.0	
20	256QAM	1	53	21.66	21.85	21.53	22.9	0.0	
Channel				371500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1907.5	22.9	0.0	
15	PI/2 BPSK	1	40	21.62	21.89	21.73	22.9	0.0	
Channel				371000	376000	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1910	22.9	0.0	
10	PI/2 BPSK	1	26	21.66	21.81	21.79	22.9	0.0	
Channel				370500	376000	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1912.5	22.9	0.0	
5	PI/2 BPSK	1	13	21.51	21.75	21.64	22.9	0.0	



N41(HPUE)_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	19.76	19.88	19.81		
100	PI/2 BPSK	1	137	19.65	19.83	19.80	20.8	0.0
100	PI/2 BPSK	1	271	19.60	19.79	19.78		
100	PI/2 BPSK	135	0	19.60	19.73	19.65		
100	PI/2 BPSK	135	69	19.73	19.85	19.78	20.8	0.0
100	PI/2 BPSK	135	138	19.61	19.76	19.58		
100	PI/2 BPSK	270	0	19.71	19.82	19.75	20.8	0.0
100	QPSK	1	1	19.76	19.73	19.60		
100	QPSK	1	137	19.41	19.67	19.70	20.8	0.0
100	QPSK	1	271	19.41	19.84	19.61		
100	QPSK	135	0	19.63	19.75	19.58		
100	QPSK	135	69	19.78	19.63	19.63	20.8	0.0
100	QPSK	135	138	19.65	19.67	19.52		
100	QPSK	270	0	19.76	19.71	19.71	20.8	0.0
100	16QAM	1	1	19.61	19.76	19.66	20.8	0.0
100	64QAM	1	1	19.74	19.71	19.74	20.8	0.0
100	256QAM	1	1	19.61	19.77	19.76	20.8	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	19.39	19.55	19.71	20.8	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.98		
80	PI/2 BPSK	1	1	19.35	19.57	19.77	20.8	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	19.38	19.65	19.55	20.8	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	19.55	19.63	19.54	20.8	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	19.60	19.83	19.62	20.8	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	19.47	19.79	19.63	20.8	0.0

Bluetooth/ANT+ Full Power

Bluetooth BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	8.70	8.50	8.40	8.90	8.60	8.50	8.80	8.60	8.50	10.4
	CH 39	2441	9.60	9.40	9.30	9.80	9.60	9.50	9.80	9.60	9.50	11.3
	CH 78	2480	8.70	8.50	8.40	8.90	8.70	8.60	8.90	8.70	8.60	10.4

Bluetooth LE 4.0

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			GFSK	Tune-up Limit
LE	CH 00	2402	7.80	9.80
	CH 19	2440	8.80	10.80
	CH 39	2480	7.90	9.90

Bluetooth LE 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			2Mbps	Tune-up Limit
LE	CH 00	2402	8.00	10.00
	CH 19	2440	9.00	11.00
	CH 39	2480	8.10	10.10

ANT+

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			GFSK	Tune-up Limit
ANT+	CH 02	2402	-12.40	-10.00
	CH 41	2441	-11.90	-10.00
	CH 80	2480	-13.20	-10.00

Bluetooth Reduced Power

Bluetooth BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	6.40	6.30	6.30	4.50	4.30	4.30	4.40	4.30	4.30	8.3
	CH 39	2441	6.80	6.70	6.70	4.90	4.80	4.80	4.90	4.80	4.70	8.7
	CH 78	2480	5.40	5.30	5.30	3.50	3.40	3.40	3.50	3.40	3.40	7.3

Bluetooth LE 4.0

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			GFSK	Tune-up Limit
LE	CH 00	2402	4.50	6.50
	CH 19	2440	5.10	7.10
	CH 39	2480	3.60	5.60

Bluetooth LE 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			2Mbps	Tune-up Limit
LE	CH 00	2402	4.60	6.60
	CH 19	2440	5.20	7.20
	CH 39	2480	3.70	5.70

WLAN Full power

2.4GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	22.34	24.34	98.35	
	6	2437	22.31	24.31		
	11	2462	22.17	24.17		
802.11g 6Mbps	1	2412	20.63	22.63	99.31	
	6	2437	20.42	22.42		
	11	2462	20.37	22.37		
802.11n- HT20 MCS0	1	2412	20.23	22.23	100.00	
	6	2437	20.16	22.16		
	11	2462	20.02	22.02		
802.11n- HT40 MCS0	3	2422	19.68	21.68	100.00	
	6	2437	19.66	21.66		
	9	2452	19.53	21.53		
802.11ax- HE20 MCS0	1	2412	20.27	22.27	100.00	
	6	2437	20.21	22.21		
	11	2462	20.12	22.12		
802.11ax- HE40 MCS0	3	2422	20.34	22.34	100.00	
	6	2437	20.36	22.36		
	9	2452	20.27	22.27		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	20.72	22.72	98.63	
	40	5200	21.02	23.02		
	44	5220	20.73	22.73		
	48	5240	20.64	22.64		
802.11n- HT20 MCS0	36	5180	20.41	22.41	100.00	
	40	5200	20.71	22.71		
	44	5220	20.44	22.44		
	48	5240	20.34	22.34		
802.11n- HT40 MCS0	38	5190	20.87	22.87	100.00	
	46	5230	20.89	22.89		
802.11ac- VHT20 MCS0	36	5180	20.40	22.40	100.00	
	40	5200	20.70	22.70		
	44	5220	20.42	22.42		
	48	5240	20.33	22.33		
802.11ac- VHT40 MCS0	38	5190	20.85	22.85	100.00	
	46	5230	20.86	22.86		
802.11ac- VHT80 MCS0	42	5210	19.99	21.99	100.00	
	36	5180	20.44	22.44		
802.11ax- HE20 MCS0	40	5200	20.42	22.42	100.00	
	44	5220	20.45	22.45		
	48	5240	20.40	22.40		
	38	5190	19.53	21.53		
802.11ax- HE40 MCS0	46	5230	20.54	22.54	100.00	
	42	5210	18.77	20.77		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	20.74	22.74	98.63	
	56	5280	21.03	23.03		
	60	5300	20.60	22.60		
	64	5320	20.54	22.54		
802.11n- HT20 MCS0	52	5260	20.45	22.45	100.00	
	56	5280	20.60	22.60		
	60	5300	20.30	22.30		
	64	5320	20.24	22.24		
802.11n- HT40 MCS0	54	5270	20.90	22.90	100.00	
	62	5310	19.74	21.74		
802.11ac- VHT20 MCS0	52	5260	20.43	22.43	100.00	
	56	5280	20.58	22.58		
	60	5300	20.12	22.12		
	64	5320	20.21	22.21		
802.11ac- VHT40 MCS0	54	5270	20.87	22.87	100.00	
	62	5310	19.67	21.67		
802.11ac- VHT80 MCS0	58	5290	19.01	21.01	100.00	
	52	5260	20.46	22.46		
802.11ax- HE20 MCS0	56	5280	20.37	22.37	100.00	
	60	5300	20.35	22.35		
	64	5320	20.30	22.30		
	54	5270	20.55	22.55		
802.11ax- HE40 MCS0	62	5310	20.38	22.38	100.00	
	58	5290	19.80	21.80		



5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	20.63	22.63	98.63	
	116	5580	20.38	22.38		
	124	5620	20.60	22.60		
	132	5660	20.64	22.64		
	144	5720	20.36	22.36		
802.11n- HT20 MCS0	100	5500	20.33	22.33	100.00	
	116	5580	20.09	22.09		
	124	5620	20.60	22.60		
	132	5660	20.63	22.63		
	144	5720	20.05	22.05		
802.11n- HT40 MCS0	102	5510	20.98	22.98	100.00	
	110	5550	20.54	22.54		
	126	5630	20.97	22.97		
	134	5670	20.63	22.63		
	142	5710	20.50	22.50		
802.11ac- VHT20 MCS0	100	5500	20.30	22.30	100.00	
	116	5580	20.06	22.06		
	124	5620	20.58	22.58		
	132	5660	20.60	22.60		
	140	5700	20.03	22.03		
802.11ac- VHT40 MCS0	102	5510	20.77	22.77	100.00	
	110	5550	20.53	22.53		
	126	5630	20.75	22.75		
	134	5670	20.61	22.61		
	142	5710	20.48	22.48		
802.11ac- VHT80 MCS0	106	5530	19.65	21.65	100.00	
	122	5610	19.79	21.79		
	138	5690	19.59	21.59		
802.11ax- HE20 MCS0	100	5500	20.38	22.38	100.00	
	116	5580	20.13	22.13		
	124	5620	20.10	22.10		
	132	5660	20.11	22.11		
	140	5700	20.12	22.12		
802.11ax- HE40 MCS0	102	5510	20.42	22.42	100.00	
	110	5550	20.17	22.17		
	126	5630	20.16	22.16		
	134	5670	20.18	22.18		
	142	5710	20.18	22.18		
802.11ax- HE80 MCS0	106	5530	19.51	21.51	100.00	
	122	5610	19.66	21.66		
	138	5690	19.46	21.46		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	20.44	22.44	98.63	
	157	5785	20.45	22.45		
	165	5825	20.36	22.36		
802.11n- HT20 MCS0	149	5745	20.13	22.13	100.00	
	157	5785	20.14	22.14		
	165	5825	20.06	22.06		
802.11n- HT40 MCS0	151	5755	20.69	22.69	100.00	
	159	5795	20.61	22.61		
802.11ac- VHT20 MCS0	149	5745	20.12	22.12	100.00	
	157	5785	20.13	22.13		
	165	5825	20.04	22.04		
802.11ac- VHT40 MCS0	151	5755	20.67	22.67	100.00	
	159	5795	20.59	22.59		
802.11ac- VHT80 MCS0	155	5775	19.69	21.69	100.00	
802.11ax- HE20 MCS0	149	5745	20.12	22.12	100.00	
	157	5785	20.11	22.11		
	165	5825	20.04	22.04		
802.11ax- HE40 MCS0	151	5755	20.24	22.24	100.00	
	159	5795	20.17	22.17		
802.11ax- HE80 MCS0	155	5775	19.46	21.46	100.00	



Reduced Power Level 1 for Head

2.4GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	17.34	19.34	98.35	
	6	2437	17.31	19.31		
	11	2462	17.17	19.17		
802.11g 6Mbps	1	2412	14.63	16.63	99.31	
	6	2437	14.42	16.42		
	11	2462	14.37	16.37		
802.11n-HT20 MCS0	1	2412	14.23	16.23	100.00	
	6	2437	14.16	16.16		
	11	2462	14.02	16.02		
802.11n-HT40 MCS0	3	2422	13.68	15.68	100.00	
	6	2437	13.66	15.66		
	9	2452	13.53	15.53		
802.11ax-HE20 MCS0	1	2412	14.27	16.27	100.00	
	6	2437	14.21	16.21		
	11	2462	14.12	16.12		
802.11ax-HE40 MCS0	3	2422	14.34	16.34	100.00	
	6	2437	14.36	16.36		
	9	2452	14.27	16.27		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	15.72	17.72	98.63	
	40	5200	16.02	18.02		
	44	5220	15.73	17.73		
	48	5240	15.64	17.64		
802.11n-HT20 MCS0	36	5180	15.41	17.41	100.00	
	40	5200	15.71	17.71		
	44	5220	15.44	17.44		
802.11n-HT40 MCS0	48	5240	15.34	17.34	100.00	
	38	5190	15.87	17.87		
	46	5230	15.89	17.89		
802.11ac-VHT20 MCS0	36	5180	15.40	17.40	100.00	
	40	5200	15.70	17.70		
	44	5220	15.42	17.42		
802.11ac-VHT40 MCS0	48	5240	15.33	17.33	100.00	
	38	5190	15.85	17.85		
	46	5230	15.86	17.86		
802.11ac-VHT80 MCS0	42	5210	14.99	16.99	100.00	
	36	5180	15.44	17.44		
	40	5200	15.42	17.42		
802.11ax-HE20 MCS0	44	5220	15.45	17.45	100.00	
	48	5240	15.40	17.40		
	38	5190	14.53	16.53		
802.11ax-HE40 MCS0	46	5230	15.54	17.54	100.00	
	42	5210	13.77	15.77		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	15.74	17.74	98.63	
	56	5280	16.03	18.03		
	60	5300	15.60	17.60		
	64	5320	15.54	17.54		
802.11n-HT20 MCS0	52	5260	15.45	17.45	100.00	
	56	5280	15.60	17.60		
	60	5300	15.30	17.30		
802.11n-HT40 MCS0	64	5320	15.24	17.24	100.00	
	54	5270	15.90	17.90		
	62	5310	14.74	16.74		
802.11ac-VHT20 MCS0	52	5260	15.43	17.43	100.00	
	56	5280	15.58	17.58		
	60	5300	15.26	17.26		
802.11ac-VHT40 MCS0	64	5320	15.21	17.21	100.00	
	54	5270	15.87	17.87		
	62	5310	14.67	16.67		
802.11ac-VHT80 MCS0	58	5290	14.01	16.01	100.00	
	52	5260	15.46	17.46		
	56	5280	15.37	17.37		
802.11ax-HE20 MCS0	60	5300	15.35	17.35	100.00	
	64	5320	15.30	17.30		
	54	5270	15.55	17.55		
802.11ax-HE40 MCS0	62	5310	15.38	17.38	100.00	
	58	5290	14.80	16.80		



5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	13.63	15.63	98.63	
	116	5580	13.38	15.38		
	124	5620	13.60	15.60		
	132	5660	13.64	15.64		
	140	5700	13.35	15.35		
802.11n- HT20 MCS0	100	5500	13.33	15.33	100.00	
	116	5580	13.09	15.09		
	124	5620	13.60	15.60		
	132	5660	13.63	15.63		
	140	5700	13.05	15.05		
802.11n- HT40 MCS0	102	5510	13.98	15.98	100.00	
	110	5550	13.54	15.54		
	126	5630	13.97	15.97		
	134	5670	13.63	15.63		
	142	5710	13.50	15.50		
802.11ac- VHT20 MCS0	100	5500	13.30	15.30	100.00	
	116	5580	13.06	15.06		
	124	5620	13.58	15.58		
	132	5660	13.60	15.60		
	140	5700	13.03	15.03		
802.11ac- VHT40 MCS0	102	5510	13.77	15.77	100.00	
	110	5550	13.53	15.53		
	126	5630	13.75	15.75		
	134	5670	13.61	15.61		
	142	5710	13.48	15.48		
802.11ac- VHT80 MCS0	106	5530	12.65	14.65	100.00	
	122	5610	12.79	14.79		
	138	5690	12.59	14.59		
802.11ax- HE20 MCS0	100	5500	13.38	15.38	100.00	
	116	5580	13.13	15.13		
	124	5620	13.10	15.10		
	132	5660	13.11	15.11		
	140	5700	13.12	15.12		
802.11ax- HE40 MCS0	102	5510	13.42	15.42	100.00	
	110	5550	13.17	15.17		
	126	5630	13.16	15.16		
	134	5670	13.18	15.18		
802.11ax- HE80 MCS0	106	5530	12.51	14.51	100.00	
	122	5610	12.66	14.66		
	138	5690	12.46	14.46		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	14.44	16.44	98.63	
	157	5785	14.45	16.45		
	165	5825	14.36	16.36		
802.11n- HT20 MCS0	149	5745	14.13	16.13	100.00	
	157	5785	14.14	16.14		
	165	5825	14.06	16.06		
802.11n- HT40 MCS0	151	5755	14.69	16.69	100.00	
	159	5795	14.61	16.61		
802.11ac- VHT20 MCS0	149	5745	14.12	16.12	100.00	
	157	5785	14.13	16.13		
	165	5825	14.04	16.04		
802.11ac- VHT40 MCS0	151	5755	14.67	16.67	100.00	
	159	5795	14.59	16.59		
802.11ac- VHT80 MCS0	155	5775	13.69	15.69	100.00	
802.11ax- HE20 MCS0	149	5745	14.12	16.12	100.00	
	157	5785	14.11	16.11		
	165	5825	14.04	16.04		
802.11ax- HE40 MCS0	151	5755	14.24	16.24	100.00	
	159	5795	14.17	16.17		
802.11ax- HE80 MCS0	155	5775	13.46	15.46	100.00	



Reduced Power Level 2/3 for Head

2.4GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	13.34	15.34	98.35	
	6	2437	13.31	15.31		
	11	2462	13.17	15.17		
802.11g 6Mbps	1	2412	11.63	13.63	99.31	
	6	2437	11.42	13.42		
	11	2462	11.37	13.37		
802.11n-HT20 MCS0	1	2412	11.23	13.23	100.00	
	6	2437	11.16	13.16		
	11	2462	11.02	13.02		
802.11n-HT40 MCS0	3	2422	10.68	12.68	100.00	
	6	2437	10.66	12.66		
	9	2452	10.53	12.53		
802.11ax-HE20 MCS0	1	2412	11.27	13.27	100.00	
	6	2437	11.21	13.21		
	11	2462	11.12	13.12		
802.11ax-HE40 MCS0	3	2422	11.34	13.34	100.00	
	6	2437	11.36	13.36		
	9	2452	11.27	13.27		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	11.72	13.72	98.63	
	40	5200	12.02	14.02		
	44	5220	11.73	13.73		
	48	5240	11.64	13.64		
802.11n-HT20 MCS0	36	5180	11.41	13.41	100.00	
	40	5200	11.71	13.71		
	44	5220	11.44	13.44		
802.11n-HT40 MCS0	48	5240	11.34	13.34	100.00	
	38	5190	11.87	13.87		
802.11ac-VHT20 MCS0	46	5230	11.89	13.89	100.00	
	36	5180	11.40	13.40		
	40	5200	11.70	13.70		
	44	5220	11.42	13.42		
802.11ac-VHT40 MCS0	48	5240	11.33	13.33	100.00	
	38	5190	11.85	13.85		
802.11ac-VHT80 MCS0	46	5230	11.86	13.86	100.00	
	42	5210	10.99	12.99		
802.11ax-HE20 MCS0	36	5180	11.44	13.44	100.00	
	40	5200	11.42	13.42		
	44	5220	11.45	13.45		
802.11ax-HE40 MCS0	48	5240	11.40	13.40	100.00	
	38	5190	10.53	12.53		
802.11ax-HE80 MCS0	46	5230	11.54	13.54	100.00	
	42	5210	9.77	11.77		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	11.74	13.74	98.63	
	56	5280	12.03	14.03		
	60	5300	11.60	13.60		
	64	5320	11.54	13.54		
802.11n-HT20 MCS0	52	5260	11.45	13.45	100.00	
	56	5280	11.60	13.60		
	60	5300	11.30	13.30		
802.11n-HT40 MCS0	64	5320	11.24	13.24	100.00	
	54	5270	11.90	13.90		
802.11ac-VHT20 MCS0	62	5310	10.74	12.74	100.00	
	52	5260	11.43	13.43		
	56	5280	11.58	13.58		
	60	5300	11.12	13.12		
802.11ac-VHT40 MCS0	64	5320	11.21	13.21	100.00	
	54	5270	11.87	13.87		
802.11ac-VHT80 MCS0	62	5310	10.67	12.67	100.00	
	58	5290	10.01	12.01		
802.11ax-HE20 MCS0	52	5260	11.46	13.46	100.00	
	56	5280	11.37	13.37		
	60	5300	11.35	13.35		
	64	5320	11.30	13.30		
802.11ax-HE40 MCS0	54	5270	11.55	13.55	100.00	
	62	5310	11.38	13.38		
802.11ax-HE80 MCS0	58	5290	10.80	12.80	100.00	



5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	9.63	11.63	98.63	
	116	5580	9.38	11.38		
	124	5620	9.60	11.60		
	132	5660	9.64	11.64		
	144	5720	9.36	11.36		
802.11n- HT20 MCS0	100	5500	9.33	11.33	100.00	
	116	5580	9.09	11.09		
	124	5620	9.60	11.60		
	132	5660	9.63	11.63		
	144	5720	9.03	11.03		
802.11n- HT40 MCS0	102	5510	9.98	11.98	100.00	
	110	5550	9.54	11.54		
	126	5630	9.97	11.97		
	134	5670	9.63	11.63		
	142	5710	9.50	11.50		
802.11ac- VHT20 MCS0	100	5500	9.30	11.30	100.00	
	116	5580	9.06	11.06		
	124	5620	9.58	11.58		
	132	5660	9.60	11.60		
	140	5700	9.03	11.03		
802.11ac- VHT40 MCS0	102	5510	9.77	11.77	100.00	
	110	5550	9.53	11.53		
	126	5630	9.75	11.75		
	134	5670	9.61	11.61		
	142	5710	9.48	11.48		
802.11ac- VHT80 MCS0	106	5530	8.65	10.65	100.00	
	122	5610	8.79	10.79		
	138	5690	8.59	10.59		
802.11ax- HE20 MCS0	100	5500	9.38	11.38	100.00	
	116	5580	9.13	11.13		
	124	5620	9.10	11.10		
	132	5660	9.11	11.11		
	140	5700	9.12	11.12		
802.11ax- HE40 MCS0	102	5510	9.42	11.42	100.00	
	110	5550	9.17	11.17		
	126	5630	9.16	11.16		
	134	5670	9.18	11.18		
	142	5710	9.18	11.18		
802.11ax- HE80 MCS0	106	5530	8.51	10.51	100.00	
	122	5610	8.66	10.66		
	138	5690	8.46	10.46		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	10.44	12.44	98.63	
	157	5785	10.45	12.45		
	165	5825	10.36	12.36		
802.11n- HT20 MCS0	149	5745	10.13	12.13	100.00	
	157	5785	10.14	12.14		
	165	5825	10.06	12.06		
802.11n- HT40 MCS0	151	5755	10.69	12.69	100.00	
	159	5795	10.61	12.61		
802.11ac- VHT20 MCS0	149	5745	10.12	12.12	100.00	
	157	5785	10.13	12.13		
	165	5825	10.04	12.04		
802.11ac- VHT40 MCS0	151	5755	10.67	12.67	100.00	
	159	5795	10.59	12.59		
802.11ac- VHT80 MCS0	155	5775	9.69	11.69	100.00	
802.11ax- HE20 MCS0	149	5745	10.12	12.12	100.00	
	157	5785	10.11	12.11		
	165	5825	10.04	12.04		
802.11ax- HE40 MCS0	151	5755	10.24	12.24	100.00	
	159	5795	10.17	12.17		
802.11ax- HE80 MCS0	155	5775	9.46	11.46	100.00	

Reduced Power Level 4 for Head

2.4GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	13.34	15.34	98.35	
	6	2437	13.31	15.31		
	11	2462	13.17	15.17		
802.11g 6Mbps	1	2412	11.63	13.63	99.31	
	6	2437	11.42	13.42		
	11	2462	11.37	13.37		
802.11n- HT20 MCS0	1	2412	11.23	13.23	100.00	
	6	2437	11.16	13.16		
	11	2462	11.02	13.02		
802.11n- HT40 MCS0	3	2422	10.68	12.68	100.00	
	6	2437	10.66	12.66		
	9	2452	10.53	12.53		
802.11ax- HE20 MCS0	1	2412	11.27	13.27	100.00	
	6	2437	11.21	13.21		
	11	2462	11.12	13.12		
802.11ax- HE40 MCS0	3	2422	11.34	13.34	100.00	
	6	2437	11.36	13.36		
	9	2452	11.27	13.27		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	38	5180	11.72	13.72	98.63	
	40	5200	12.02	14.02		
	44	5220	11.73	13.73		
	48	5240	11.64	13.64		
802.11n- HT20 MCS0	36	5180	11.41	13.41	100.00	
	40	5200	11.71	13.71		
	44	5220	11.44	13.44		
802.11n- HT40 MCS0	38	5190	11.87	13.87	100.00	
	46	5230	11.89	13.89		
802.11ac- VHT20 MCS0	36	5180	11.40	13.40	100.00	
	40	5200	11.70	13.70		
	44	5220	11.42	13.42		
	48	5240	11.33	13.33		
802.11ac- VHT40 MCS0	38	5190	11.85	13.85	100.00	
	46	5230	11.86	13.86		
802.11ac- VHT80 MCS0	42	5210	10.99	12.99	100.00	
802.11ax- HE20 MCS0	36	5180	11.44	13.44	100.00	
	40	5200	11.42	13.42		
	44	5220	11.45	13.45		
802.11ax- HE40 MCS0	48	5240	11.40	13.40	100.00	
	38	5190	10.53	12.53		
802.11ax- HE80 MCS0	46	5230	11.54	13.54	100.00	
	42	5210	9.77	11.77		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	11.74	13.74	98.63	
	56	5280	12.03	14.03		
	60	5300	11.60	13.60		
	64	5320	11.54	13.54		
802.11n- HT20 MCS0	52	5260	11.45	13.45	100.00	
	56	5280	11.60	13.60		
	60	5300	11.30	13.30		
802.11n- HT40 MCS0	64	5320	11.24	13.24	100.00	
	54	5270	11.90	13.90		
802.11ac- VHT20 MCS0	62	5310	10.74	12.74	100.00	
	52	5260	11.43	13.43		
	56	5280	11.58	13.58		
	60	5300	11.12	13.12		
802.11ac- VHT40 MCS0	64	5320	11.21	13.21	100.00	
	54	5270	11.87	13.87		
802.11ac- VHT80 MCS0	62	5310	10.67	12.67	100.00	
	58	5290	10.01	12.01		
802.11ax- HE20 MCS0	52	5260	11.46	13.46	100.00	
	56	5280	11.37	13.37		
	60	5300	11.35	13.35		
802.11ax- HE40 MCS0	64	5320	11.30	13.30	100.00	
	54	5270	11.55	13.55		
802.11ax- HE80 MCS0	62	5310	11.38	13.38	100.00	
	58	5290	10.80	12.80		



5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	9.63	11.63	98.63	
	116	5580	9.38	11.38		
	124	5620	9.60	11.60		
	132	5660	9.64	11.64		
	140	5700	9.35	11.35		
802.11n- HT20 MCS0	100	5500	9.33	11.33	100.00	
	116	5580	9.09	11.09		
	124	5620	9.60	11.60		
	132	5660	9.63	11.63		
	140	5700	9.05	11.05		
802.11n- HT40 MCS0	102	5510	9.98	11.98	100.00	
	110	5550	9.54	11.54		
	126	5630	9.97	11.97		
	134	5670	9.63	11.63		
	142	5710	9.50	11.50		
802.11ac- VHT20 MCS0	100	5500	9.30	11.30	100.00	
	116	5580	9.06	11.06		
	124	5620	9.58	11.58		
	132	5660	9.60	11.60		
	140	5700	9.03	11.03		
802.11ac- VHT40 MCS0	102	5510	9.77	11.77	100.00	
	110	5550	9.53	11.53		
	126	5630	9.75	11.75		
	134	5670	9.61	11.61		
	142	5710	9.48	11.48		
802.11ac- VHT80 MCS0	106	5530	8.65	10.65	100.00	
	122	5610	8.79	10.79		
	138	5690	8.59	10.59		
802.11ax- HE20 MCS0	100	5500	9.38	11.38	100.00	
	116	5580	9.13	11.13		
	124	5620	9.10	11.10		
	132	5660	9.11	11.11		
	140	5700	9.12	11.12		
802.11ax- HE40 MCS0	102	5510	9.42	11.42	100.00	
	110	5550	9.17	11.17		
	126	5630	9.16	11.16		
	134	5670	9.18	11.18		
802.11ax- HE80 MCS0	106	5530	8.51	10.51	100.00	
	122	5610	8.66	10.66		
	138	5690	8.46	10.46		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	10.44	12.44	98.63	
	157	5785	10.45	12.45		
	165	5825	10.36	12.36		
802.11n- HT20 MCS0	149	5745	10.13	12.13	100.00	
	157	5785	10.14	12.14		
	165	5825	10.06	12.06		
802.11n- HT40 MCS0	151	5755	10.69	12.69	100.00	
	159	5795	10.61	12.61		
802.11ac- VHT20 MCS0	149	5745	10.12	12.12	100.00	
	157	5785	10.13	12.13		
	165	5825	10.04	12.04		
802.11ac- VHT40 MCS0	151	5755	10.67	12.67	100.00	
	159	5795	10.59	12.59		
802.11ac- VHT80 MCS0	155	5775	9.69	11.69	100.00	
802.11ax- HE20 MCS0	149	5745	10.12	12.12	100.00	
	157	5785	10.11	12.11		
	165	5825	10.04	12.04		
802.11ax- HE40 MCS0	151	5755	10.24	12.24	100.00	
	159	5795	10.17	12.17		
802.11ax- HE80 MCS0	155	5775	9.46	11.46	100.00	

Reduced Power Level 1 for Hotspot

2.4GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	20.34	22.34	98.35	
	6	2437	20.31	22.31		
	11	2462	20.17	22.17		
802.11g 6Mbps	1	2412	17.63	19.63	99.31	
	6	2437	17.42	19.42		
	11	2462	17.37	19.37		
802.11n-HT20 MCS0	1	2412	17.23	19.23	100.00	
	6	2437	17.16	19.16		
	11	2462	17.02	19.02		
802.11n-HT40 MCS0	3	2422	16.68	18.68	100.00	
	6	2437	16.66	18.66		
	9	2452	16.53	18.53		
802.11ax-HE20 MCS0	1	2412	17.27	19.27	100.00	
	6	2437	17.21	19.21		
	11	2462	17.12	19.12		
802.11ax-HE40 MCS0	3	2422	17.34	19.34	100.00	
	6	2437	17.36	19.36		
	9	2452	17.27	19.27		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	20.72	22.72	98.63	
	40	5200	21.02	23.02		
	44	5220	20.73	22.73		
	48	5240	20.64	22.64		
802.11n-HT20 MCS0	36	5180	20.41	22.41	100.00	
	40	5200	20.71	22.71		
	44	5220	20.44	22.44		
	48	5240	20.34	22.34		
802.11n-HT40 MCS0	38	5190	20.87	22.87	100.00	
	46	5230	20.89	22.89		
802.11ac-VHT20 MCS0	36	5180	20.40	22.40	100.00	
	40	5200	20.70	22.70		
	44	5220	20.42	22.42		
	48	5240	20.33	22.33		
802.11ac-VHT40 MCS0	38	5190	20.85	22.85	100.00	
	46	5230	20.86	22.86		
802.11ac-VHT80 MCS0	42	5210	19.99	21.99	100.00	
	36	5180	20.44	22.44		
	40	5200	20.42	22.42		
	44	5220	20.45	22.45		
802.11ax-HE20 MCS0	38	5190	19.53	21.53	100.00	
	46	5230	20.54	22.54		
	42	5210	18.77	20.77		
	42	5210	18.77	20.77		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	20.44	22.44	98.63	
	157	5785	20.45	22.45		
	165	5825	20.36	22.36		
802.11n-HT20 MCS0	149	5745	20.13	22.13	100.00	
	157	5785	20.14	22.14		
	165	5825	20.06	22.06		
802.11n-HT40 MCS0	151	5755	20.69	22.69	100.00	
	159	5795	20.61	22.61		
802.11ac-VHT20 MCS0	149	5745	20.12	22.12	100.00	
	157	5785	20.13	22.13		
	165	5825	20.04	22.04		
802.11ac-VHT40 MCS0	151	5755	20.67	22.67	100.00	
	159	5795	20.59	22.59		
802.11ac-VHT80 MCS0	155	5775	19.69	21.69	100.00	
	149	5745	20.12	22.12		
802.11ax-HE20 MCS0	157	5785	20.11	22.11	100.00	
	165	5825	20.04	22.04		
	151	5755	20.24	22.24		
802.11ax-HE40 MCS0	159	5795	20.17	22.17	100.00	
	155	5775	19.46	21.46		



Reduced Power Level 2/3 for Hotspot

2.4GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	18.34	20.34	98.35	
	6	2437	18.31	20.31		
	11	2462	18.17	20.17		
802.11g 6Mbps	1	2412	16.63	18.63	99.31	
	6	2437	16.42	18.42		
	11	2462	16.37	18.37		
802.11n-HT20 MCS0	1	2412	16.23	18.23	100.00	
	6	2437	16.16	18.16		
	11	2462	16.02	18.02		
802.11n-HT40 MCS0	3	2422	15.68	17.68	100.00	
	6	2437	15.66	17.66		
	9	2452	15.53	17.53		
802.11ax-HE20 MCS0	1	2412	16.27	18.27	100.00	
	6	2437	16.21	18.21		
	11	2462	16.12	18.12		
802.11ax-HE40 MCS0	3	2422	16.34	18.34	100.00	
	6	2437	16.36	18.36		
	9	2452	16.27	18.27		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	18.72	20.72	98.63	
	40	5200	19.02	21.02		
	44	5220	18.73	20.73		
	48	5240	18.64	20.64		
802.11n-HT20 MCS0	36	5180	18.41	20.41	100.00	
	40	5200	18.71	20.71		
	44	5220	18.44	20.44		
802.11n-HT40 MCS0	48	5240	18.34	20.34	100.00	
	38	5190	18.87	20.87		
	46	5230	18.89	20.89		
802.11ac-VHT20 MCS0	36	5180	18.40	20.40	100.00	
	40	5200	18.70	20.70		
	44	5220	18.42	20.42		
	48	5240	18.33	20.33		
802.11ac-VHT40 MCS0	38	5190	18.85	20.85	100.00	
	46	5230	18.86	20.86		
802.11ac-VHT80 MCS0	42	5210	17.99	19.99	100.00	
	36	5180	18.44	20.44		
802.11ax-HE20 MCS0	40	5200	18.42	20.42	100.00	
	44	5220	18.45	20.45		
	48	5240	18.40	20.40		
802.11ax-HE40 MCS0	38	5190	17.53	19.53	100.00	
	46	5230	18.54	20.54		
802.11ax-HE80 MCS0	42	5210	16.77	18.77	100.00	

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	19.44	21.44	98.63	
	157	5785	19.45	21.45		
	165	5825	19.36	21.36		
802.11n-HT20 MCS0	149	5745	19.13	21.13	100.00	
	157	5785	19.14	21.14		
	165	5825	19.06	21.06		
802.11n-HT40 MCS0	151	5755	19.69	21.69	100.00	
	159	5795	19.61	21.61		
802.11ac-VHT20 MCS0	149	5745	19.12	21.12	100.00	
	157	5785	19.13	21.13		
802.11ac-VHT40 MCS0	165	5825	19.04	21.04	100.00	
	151	5755	19.67	21.67		
802.11ac-VHT80 MCS0	159	5795	19.59	21.59	100.00	
	155	5775	18.69	20.69		
802.11ax-HE20 MCS0	149	5745	19.12	21.12	100.00	
	157	5785	19.11	21.11		
802.11ax-HE40 MCS0	165	5825	19.04	21.04	100.00	
	151	5755	19.24	21.24		
802.11ax-HE80 MCS0	159	5795	19.17	21.17	100.00	
	155	5775	18.46	20.46		

Reduced Power Level 4 for Hotspot

2.4GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	15.34	17.34	98.35	
	6	2437	15.31	17.31		
	11	2462	15.17	17.17		
802.11g 6Mbps	1	2412	13.63	15.63	99.31	
	6	2437	13.42	15.42		
	11	2462	13.37	15.37		
802.11n-HT20 MCS0	1	2412	13.23	15.23	100.00	
	6	2437	13.16	15.16		
	11	2462	13.02	15.02		
802.11n-HT40 MCS0	3	2422	12.68	14.68	100.00	
	6	2437	12.66	14.66		
	9	2452	12.53	14.53		
802.11ax-HE20 MCS0	1	2412	13.27	15.27	100.00	
	6	2437	13.21	15.21		
	11	2462	13.12	15.12		
802.11ax-HE40 MCS0	3	2422	13.34	15.34	100.00	
	6	2437	13.36	15.36		
	9	2452	13.27	15.27		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	15.72	17.72	98.63	
	40	5200	16.02	18.02		
	44	5220	15.73	17.73		
	48	5240	15.64	17.64		
802.11n-HT20 MCS0	36	5180	15.41	17.41	100.00	
	40	5200	15.71	17.71		
	44	5220	15.44	17.44		
802.11n-HT40 MCS0	38	5190	15.87	17.87	100.00	
	46	5230	15.89	17.89		
	36	5180	15.40	17.40		
802.11ac-VHT20 MCS0	40	5200	15.70	17.70	100.00	
	44	5220	15.42	17.42		
	48	5240	15.33	17.33		
802.11ac-VHT40 MCS0	38	5190	15.85	17.85	100.00	
	46	5230	15.86	17.86		
802.11ac-VHT80 MCS0	42	5210	14.99	16.99	100.00	
	36	5180	15.44	17.44		
802.11ax-HE20 MCS0	40	5200	15.42	17.42	100.00	
	44	5220	15.45	17.45		
	48	5240	15.40	17.40		
802.11ax-HE40 MCS0	38	5190	14.53	16.53	100.00	
	46	5230	15.54	17.54		
802.11ax-HE80 MCS0	42	5210	13.77	15.77	100.00	

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	16.44	18.44	98.63	
	157	5785	16.45	18.45		
	165	5825	16.36	18.36		
802.11n-HT20 MCS0	149	5745	16.13	18.13	100.00	
	157	5785	16.14	18.14		
	165	5825	16.06	18.06		
802.11n-HT40 MCS0	151	5755	16.69	18.69	100.00	
	159	5795	16.61	18.61		
802.11ac-VHT20 MCS0	149	5745	16.12	18.12	100.00	
	157	5785	16.13	18.13		
	165	5825	16.04	18.04		
802.11ac-VHT40 MCS0	151	5755	16.67	18.67	100.00	
	159	5795	16.59	18.59		
802.11ac-VHT80 MCS0	155	5775	15.69	17.69	100.00	
	149	5745	16.12	18.12		
802.11ax-HE20 MCS0	157	5785	16.11	18.11	100.00	
	165	5825	16.04	18.04		
	151	5755	16.24	18.24		
802.11ax-HE40 MCS0	159	5795	16.17	18.17	100.00	
	155	5775	15.46	17.46		

Reduced Power Level 1 for Body

2.4GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	22.34	24.34	98.35	
	6	2437	22.31	24.31		
	11	2462	22.17	24.17		
802.11g 6Mbps	1	2412	20.63	22.63	99.31	
	6	2437	20.42	22.42		
	11	2462	20.37	22.37		
802.11n-HT20 MCS0	1	2412	20.23	22.23	100.00	
	6	2437	20.16	22.16		
	11	2462	20.02	22.02		
802.11n-HT40 MCS0	3	2422	19.68	21.68	100.00	
	6	2437	19.66	21.66		
	9	2452	19.53	21.53		
802.11ax-HE20 MCS0	1	2412	20.27	22.27	100.00	
	6	2437	20.21	22.21		
	11	2462	20.12	22.12		
802.11ax-HE40 MCS0	3	2422	20.34	22.34	100.00	
	6	2437	20.36	22.36		
	9	2452	20.27	22.27		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	20.72	22.72	98.63	
	40	5200	21.02	23.02		
	44	5220	20.73	22.73		
	48	5240	20.64	22.64		
802.11n-HT20 MCS0	36	5180	20.41	22.41	100.00	
	40	5200	20.71	22.71		
	44	5220	20.44	22.44		
802.11n-HT40 MCS0	48	5240	20.34	22.34	100.00	
	38	5190	20.87	22.87		
	46	5230	20.89	22.89		
802.11ac-VHT20 MCS0	36	5180	20.40	22.40	100.00	
	40	5200	20.70	22.70		
	44	5220	20.42	22.42		
	48	5240	20.33	22.33		
802.11ac-VHT40 MCS0	38	5190	20.85	22.85	100.00	
	46	5230	20.86	22.86		
802.11ac-VHT80 MCS0	42	5210	19.99	21.99	100.00	
	36	5180	20.44	22.44		
802.11ax-HE20 MCS0	40	5200	20.42	22.42	100.00	
	44	5220	20.45	22.45		
	48	5240	20.40	22.40		
	38	5190	19.53	21.53		
802.11ax-HE40 MCS0	46	5230	20.54	22.54	100.00	
	42	5210	18.77	20.77		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	20.74	22.74	98.63	
	56	5280	21.03	23.03		
	60	5300	20.60	22.60		
	64	5320	20.54	22.54		
802.11n-HT20 MCS0	52	5260	20.45	22.45	100.00	
	56	5280	20.60	22.60		
	60	5300	20.30	22.30		
802.11n-HT40 MCS0	64	5320	20.24	22.24	100.00	
	54	5270	20.90	22.90		
	62	5310	19.74	21.74		
802.11ac-VHT20 MCS0	52	5260	20.43	22.43	100.00	
	56	5280	20.58	22.58		
	60	5300	20.12	22.12		
	64	5320	20.21	22.21		
802.11ac-VHT40 MCS0	54	5270	20.87	22.87	100.00	
	62	5310	19.67	21.67		
802.11ac-VHT80 MCS0	58	5290	19.01	21.01	100.00	
	52	5260	20.46	22.46		
802.11ax-HE20 MCS0	56	5280	20.37	22.37	100.00	
	60	5300	20.35	22.35		
	64	5320	20.30	22.30		
	54	5270	20.55	22.55		
802.11ax-HE40 MCS0	62	5310	20.38	22.38	100.00	
	58	5290	19.80	21.80		



5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	20.63	22.63	98.63	
	116	5580	20.38	22.38		
	124	5620	20.60	22.60		
	132	5660	20.64	22.64		
	144	5720	20.36	22.36		
802.11n- HT20 MCS0	100	5500	20.33	22.33	100.00	
	116	5580	20.09	22.09		
	124	5620	20.60	22.60		
	132	5660	20.63	22.63		
	144	5720	20.05	22.05		
802.11n- HT40 MCS0	102	5510	20.98	22.98	100.00	
	110	5550	20.54	22.54		
	126	5630	20.97	22.97		
	134	5670	20.63	22.63		
	142	5710	20.50	22.50		
802.11ac- VHT20 MCS0	100	5500	20.30	22.30	100.00	
	116	5580	20.06	22.06		
	124	5620	20.58	22.58		
	132	5660	20.60	22.60		
	140	5700	20.03	22.03		
802.11ac- VHT40 MCS0	102	5510	20.77	22.77	100.00	
	110	5550	20.53	22.53		
	126	5630	20.75	22.75		
	134	5670	20.61	22.61		
	142	5710	20.48	22.48		
802.11ac- VHT80 MCS0	106	5530	19.65	21.65	100.00	
	122	5610	19.79	21.79		
	138	5690	19.59	21.59		
802.11ax- HE20 MCS0	100	5500	20.38	22.38	100.00	
	116	5580	20.13	22.13		
	124	5620	20.10	22.10		
	132	5660	20.11	22.11		
	140	5700	20.12	22.12		
802.11ax- HE40 MCS0	102	5510	20.42	22.42	100.00	
	110	5550	20.17	22.17		
	126	5630	20.16	22.16		
	134	5670	20.18	22.18		
802.11ax- HE80 MCS0	106	5530	19.51	21.51	100.00	
	122	5610	19.66	21.66		
	138	5690	19.46	21.46		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	20.44	22.44	98.63	
	157	5785	20.45	22.45		
	165	5825	20.36	22.36		
802.11n- HT20 MCS0	149	5745	20.13	22.13	100.00	
	157	5785	20.14	22.14		
	165	5825	20.06	22.06		
802.11n- HT40 MCS0	151	5755	20.69	22.69	100.00	
	159	5795	20.61	22.61		
802.11ac- VHT20 MCS0	149	5745	20.12	22.12	100.00	
	157	5785	20.13	22.13		
	165	5825	20.04	22.04		
802.11ac- VHT40 MCS0	151	5755	20.67	22.67	100.00	
	159	5795	20.59	22.59		
802.11ac- VHT80 MCS0	155	5775	19.69	21.69	100.00	
802.11ax- HE20 MCS0	149	5745	20.12	22.12	100.00	
	157	5785	20.11	22.11		
	165	5825	20.04	22.04		
802.11ax- HE40 MCS0	151	5755	20.24	22.24	100.00	
	159	5795	20.17	22.17		
802.11ax- HE80 MCS0	155	5775	19.46	21.46	100.00	

Reduced Power Level 2/3 for Body

2.4GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	18.34	20.34	98.35	
	6	2437	18.31	20.31		
	11	2462	18.17	20.17		
802.11g 6Mbps	1	2412	16.63	18.63	99.31	
	6	2437	16.42	18.42		
	11	2462	16.37	18.37		
802.11n-HT20 MCS0	1	2412	16.23	18.23	100.00	
	6	2437	16.16	18.16		
	11	2462	16.02	18.02		
802.11n-HT40 MCS0	3	2422	15.68	17.68	100.00	
	6	2437	15.66	17.66		
	9	2452	15.53	17.53		
802.11ax-HE20 MCS0	1	2412	16.27	18.27	100.00	
	6	2437	16.21	18.21		
	11	2462	16.12	18.12		
802.11ax-HE40 MCS0	3	2422	16.34	18.34	100.00	
	6	2437	16.36	18.36		
	9	2452	16.27	18.27		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	16.72	18.72	98.63	
	40	5200	17.02	19.02		
	44	5220	16.73	18.73		
	48	5240	16.64	18.64		
802.11n-HT20 MCS0	36	5180	16.41	18.41	100.00	
	40	5200	16.71	18.71		
	44	5220	16.44	18.44		
802.11n-HT40 MCS0	48	5240	16.34	18.34	100.00	
	38	5190	16.87	18.87		
802.11ac-VHT20 MCS0	46	5230	16.89	18.89	100.00	
	36	5180	16.40	18.40		
	40	5200	16.70	18.70		
	44	5220	16.42	18.42		
802.11ac-VHT40 MCS0	48	5240	16.33	18.33	100.00	
	38	5190	16.85	18.85		
802.11ac-VHT80 MCS0	46	5230	16.86	18.86	100.00	
	42	5210	15.99	17.99		
802.11ax-HE20 MCS0	36	5180	16.44	18.44	100.00	
	40	5200	16.42	18.42		
	44	5220	16.45	18.45		
802.11ax-HE40 MCS0	48	5240	16.40	18.40	100.00	
	38	5190	15.53	17.53		
802.11ax-HE80 MCS0	46	5230	16.54	18.54	100.00	
	42	5210	14.77	16.77		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	16.74	18.74	98.63	
	56	5280	17.03	19.03		
	60	5300	16.60	18.60		
	64	5320	16.54	18.54		
802.11n-HT20 MCS0	52	5260	16.45	18.45	100.00	
	56	5280	16.60	18.60		
	60	5300	16.30	18.30		
802.11n-HT40 MCS0	64	5320	16.24	18.24	100.00	
	54	5270	16.90	18.90		
802.11ac-VHT20 MCS0	62	5310	15.74	17.74	100.00	
	52	5260	16.43	18.43		
	56	5280	16.58	18.58		
	60	5300	16.12	18.12		
802.11ac-VHT40 MCS0	64	5320	16.21	18.21	100.00	
	54	5270	16.87	18.87		
802.11ac-VHT80 MCS0	62	5310	15.67	17.67	100.00	
	58	5290	15.01	17.01		
	52	5260	16.46	18.46		
802.11ax-HE20 MCS0	56	5280	16.37	18.37	100.00	
	60	5300	16.35	18.35		
	64	5320	16.30	18.30		
802.11ax-HE40 MCS0	54	5270	16.55	18.55	100.00	
	62	5310	16.38	18.38		
802.11ax-HE80 MCS0	58	5290	15.80	17.80	100.00	



5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	16.63	18.63	98.63	
	116	5580	16.38	18.38		
	124	5620	16.60	18.60		
	132	5660	16.64	18.64		
	144	5720	16.36	18.36		
802.11n- HT20 MCS0	100	5500	16.33	18.33	100.00	
	116	5580	16.09	18.09		
	124	5620	16.60	18.60		
	132	5660	16.63	18.63		
	144	5720	16.05	18.05		
802.11n- HT40 MCS0	102	5510	16.98	18.98	100.00	
	110	5550	16.54	18.54		
	126	5630	16.97	18.97		
	134	5670	16.63	18.63		
	142	5710	16.50	18.50		
802.11ac- VHT20 MCS0	100	5500	16.30	18.30	100.00	
	116	5580	16.06	18.06		
	124	5620	16.58	18.58		
	132	5660	16.60	18.60		
	140	5700	16.03	18.03		
802.11ac- VHT40 MCS0	102	5510	16.77	18.77	100.00	
	110	5550	16.53	18.53		
	126	5630	16.75	18.75		
	134	5670	16.61	18.61		
	142	5710	16.48	18.48		
802.11ac- VHT80 MCS0	106	5530	15.65	17.65	100.00	
	122	5610	15.79	17.79		
	138	5690	15.59	17.59		
802.11ax- HE20 MCS0	100	5500	16.38	18.38	100.00	
	116	5580	16.13	18.13		
	124	5620	16.10	18.10		
	132	5660	16.11	18.11		
	140	5700	16.12	18.12		
802.11ax- HE40 MCS0	102	5510	16.42	18.42	100.00	
	110	5550	16.17	18.17		
	126	5630	16.16	18.16		
	134	5670	16.18	18.18		
	142	5710	16.18	18.18		
802.11ax- HE80 MCS0	106	5530	15.51	17.51	100.00	
	122	5610	15.66	17.66		
	138	5690	15.46	17.46		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	20.44	22.44	98.63	
	157	5785	20.45	22.45		
	165	5825	20.36	22.36		
802.11n- HT20 MCS0	149	5745	20.13	22.13	100.00	
	157	5785	20.14	22.14		
	165	5825	20.06	22.06		
802.11n- HT40 MCS0	151	5755	20.69	22.69	100.00	
	159	5795	20.61	22.61		
802.11ac- VHT20 MCS0	149	5745	20.12	22.12	100.00	
	157	5785	20.13	22.13		
	165	5825	20.04	22.04		
802.11ac- VHT40 MCS0	151	5755	20.67	22.67	100.00	
	159	5795	20.59	22.59		
802.11ac- VHT80 MCS0	155	5775	19.69	21.69	100.00	
802.11ax- HE20 MCS0	149	5745	20.12	22.12	100.00	
	157	5785	20.11	22.11		
	165	5825	20.04	22.04		
802.11ax- HE40 MCS0	151	5755	20.24	22.24	100.00	
	159	5795	20.17	22.17		
802.11ax- HE80 MCS0	155	5775	19.46	21.46	100.00	

Reduced Power Level 4 for Body

2.4GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	15.34	17.34	98.35	
	6	2437	15.31	17.31		
	11	2462	15.17	17.17		
802.11g 6Mbps	1	2412	13.63	15.63	99.31	
	6	2437	13.42	15.42		
	11	2462	13.37	15.37		
802.11n-HT20 MCSO	1	2412	13.23	15.23	100.00	
	6	2437	13.16	15.16		
	11	2462	13.02	15.02		
802.11n-HT40 MCSO	3	2422	12.68	14.68	100.00	
	6	2437	12.66	14.66		
	9	2452	12.53	14.53		
802.11ax-HE20 MCSO	1	2412	13.27	15.27	100.00	
	6	2437	13.21	15.21		
	11	2462	13.12	15.12		
802.11ax-HE40 MCSO	3	2422	13.34	15.34	100.00	
	6	2437	13.36	15.36		
	9	2452	13.27	15.27		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	13.72	15.72	98.63	
	40	5200	14.02	16.02		
	44	5220	13.73	15.73		
	48	5240	13.64	15.64		
802.11n-HT20 MCSO	36	5180	13.41	15.41	100.00	
	40	5200	13.71	15.71		
	44	5220	13.44	15.44		
802.11n-HT40 MCSO	38	5190	13.87	15.87	100.00	
	46	5230	13.89	15.89		
802.11ac-VHT20 MCSO	36	5180	13.40	15.40	100.00	
	40	5200	13.70	15.70		
	44	5220	13.42	15.42		
802.11ac-VHT40 MCSO	38	5190	13.85	15.85	100.00	
	46	5230	13.86	15.86		
802.11ac-VHT80 MCSO	42	5210	12.99	14.99	100.00	
	36	5180	13.44	15.44		
802.11ax-HE20 MCSO	40	5200	13.42	15.42	100.00	
	44	5220	13.45	15.45		
	48	5240	13.40	15.40		
802.11ax-HE40 MCSO	38	5190	12.53	14.53	100.00	
	46	5230	13.54	15.54		
802.11ax-HE80 MCSO	42	5210	11.77	13.77	100.00	

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	13.74	15.74	98.63	
	56	5280	14.03	16.03		
	60	5300	13.60	15.60		
	64	5320	13.54	15.54		
802.11n-HT20 MCSO	52	5260	13.45	15.45	100.00	
	56	5280	13.60	15.60		
	60	5300	13.30	15.30		
802.11n-HT40 MCSO	64	5320	13.24	15.24	100.00	
	54	5270	13.90	15.90		
802.11ac-VHT20 MCSO	62	5310	12.74	14.74	100.00	
	52	5260	13.43	15.43		
	56	5280	13.58	15.58		
802.11ac-VHT40 MCSO	60	5300	13.12	15.12	100.00	
	64	5320	13.21	15.21		
	54	5270	13.87	15.87		
802.11ac-VHT80 MCSO	62	5310	12.67	14.67	100.00	
	58	5290	12.01	14.01		
802.11ax-HE20 MCSO	52	5260	13.46	15.46	100.00	
	56	5280	13.37	15.37		
	60	5300	13.35	15.35		
802.11ax-HE40 MCSO	64	5320	13.30	15.30	100.00	
	54	5270	13.55	15.55		
802.11ax-HE80 MCSO	62	5310	13.38	15.38	100.00	
	58	5290	12.80	14.80		



5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	13.63	15.63	98.63	
	116	5580	13.38	15.38		
	124	5620	13.60	15.60		
	132	5660	13.64	15.64		
	144	5720	13.36	15.36		
802.11n-HT20 MCS0	100	5500	13.33	15.33	100.00	
	116	5580	13.09	15.09		
	124	5620	13.60	15.60		
	132	5660	13.63	15.63		
	144	5720	13.05	15.05		
802.11n-HT40 MCS0	102	5510	13.98	15.98	100.00	
	110	5550	13.54	15.54		
	126	5630	13.97	15.97		
	134	5670	13.63	15.63		
	142	5710	13.50	15.50		
802.11ac-VHT20 MCS0	100	5500	13.30	15.30	100.00	
	116	5580	13.06	15.06		
	124	5620	13.58	15.58		
	132	5660	13.60	15.60		
	140	5700	13.03	15.03		
802.11ac-VHT40 MCS0	102	5510	13.77	15.77	100.00	
	110	5550	13.53	15.53		
	126	5630	13.75	15.75		
	134	5670	13.61	15.61		
	142	5710	13.48	15.48		
802.11ac-VHT80 MCS0	106	5530	12.65	14.65	100.00	
	122	5610	12.79	14.79		
	138	5690	12.59	14.59		
802.11ax-HE20 MCS0	100	5500	13.38	15.38	100.00	
	116	5580	13.13	15.13		
	124	5620	13.10	15.10		
	132	5660	13.11	15.11		
	140	5700	13.12	15.12		
802.11ax-HE40 MCS0	102	5510	13.42	15.42	100.00	
	110	5550	13.17	15.17		
	126	5630	13.16	15.16		
	134	5670	13.18	15.18		
	142	5710	13.18	15.18		
802.11ax-HE80 MCS0	106	5530	12.51	14.51	100.00	
	122	5610	12.66	14.66		
	138	5690	12.46	14.46		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	17.44	19.44	98.63	
	157	5785	17.45	19.45		
	165	5825	17.36	19.36		
802.11n-HT20 MCS0	149	5745	17.13	19.13	100.00	
	157	5785	17.14	19.14		
	165	5825	17.06	19.06		
802.11n-HT40 MCS0	151	5755	17.69	19.69	100.00	
	159	5795	17.61	19.61		
802.11ac-VHT20 MCS0	149	5745	17.12	19.12	100.00	
	157	5785	17.13	19.13		
	165	5825	17.04	19.04		
802.11ac-VHT40 MCS0	151	5755	17.67	19.67	100.00	
	159	5795	17.59	19.59		
802.11ac-VHT80 MCS0	155	5775	16.69	18.69	100.00	
802.11ax-HE20 MCS0	149	5745	17.12	19.12	100.00	
	157	5785	17.11	19.11		
	165	5825	17.04	19.04		
802.11ax-HE40 MCS0	151	5755	17.24	19.24	100.00	
	159	5795	17.17	19.17		
802.11ax-HE80 MCS0	155	5775	16.46	18.46	100.00	



Reduced Power Level 1 for Product Specific

2.4GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	22.34	24.34	98.35	
	6	2437	22.31	24.31		
	11	2462	22.17	24.17		
802.11g 6Mbps	1	2412	20.63	22.63	99.31	
	6	2437	20.42	22.42		
	11	2462	20.37	22.37		
802.11n-HT20 MCS0	1	2412	20.23	22.23	100.00	
	6	2437	20.16	22.16		
	11	2462	20.02	22.02		
802.11n-HT40 MCS0	3	2422	19.68	21.68	100.00	
	6	2437	19.66	21.66		
	9	2452	19.53	21.53		
802.11ax-HE20 MCS0	1	2412	20.27	22.27	100.00	
	6	2437	20.21	22.21		
	11	2462	20.12	22.12		
802.11ax-HE40 MCS0	3	2422	20.34	22.34	100.00	
	6	2437	20.36	22.36		
	9	2452	20.27	22.27		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	20.72	22.72	98.63	
	40	5200	21.02	23.02		
	44	5220	20.73	22.73		
	48	5240	20.64	22.64		
802.11n-HT20 MCS0	36	5180	20.41	22.41	100.00	
	40	5200	20.71	22.71		
	44	5220	20.44	22.44		
802.11n-HT40 MCS0	48	5240	20.34	22.34	100.00	
	38	5190	20.87	22.87		
802.11ac-VHT20 MCS0	46	5230	20.89	22.89	100.00	
	36	5180	20.40	22.40		
	40	5200	20.70	22.70		
	44	5220	20.42	22.42		
802.11ac-VHT40 MCS0	48	5240	20.33	22.33	100.00	
	38	5190	20.85	22.85		
	46	5230	20.66	22.66		
802.11ac-VHT80 MCS0	42	5210	19.99	21.99	100.00	
802.11ax-HE20 MCS0	36	5180	20.44	22.44	100.00	
	40	5200	20.42	22.42		
	44	5220	20.45	22.45		
802.11ax-HE40 MCS0	48	5240	20.40	22.40	100.00	
	38	5190	19.53	21.53		
802.11ax-HE80 MCS0	46	5230	20.54	22.54	100.00	
802.11ax-HE80 MCS0	42	5210	18.77	20.77	100.00	

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	20.74	22.74	98.63	
	56	5280	21.03	23.03		
	60	5300	20.60	22.60		
	64	5320	20.54	22.54		
802.11n-HT20 MCS0	52	5260	20.45	22.45	100.00	
	56	5280	20.60	22.60		
	60	5300	20.30	22.30		
802.11n-HT40 MCS0	64	5320	20.24	22.24	100.00	
	54	5270	20.90	22.90		
802.11ac-VHT20 MCS0	62	5310	19.74	21.74	100.00	
	52	5260	20.43	22.43		
	56	5280	20.58	22.58		
	60	5300	20.12	22.12		
802.11ac-VHT40 MCS0	64	5320	20.21	22.21	100.00	
	54	5270	20.67	22.67		
	62	5310	19.67	21.67		
802.11ac-VHT80 MCS0	58	5290	19.01	21.01	100.00	
802.11ax-HE20 MCS0	52	5260	20.46	22.46	100.00	
	56	5280	20.37	22.37		
	60	5300	20.35	22.35		
	64	5320	20.30	22.30		
802.11ax-HE40 MCS0	54	5270	20.55	22.55	100.00	
	62	5310	20.38	22.38		
802.11ax-HE80 MCS0	58	5290	19.80	21.80	100.00	



5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
						5.5GHz WLAN
802.11a 6Mbps	100	5500	20.63	22.63	98.63	
	116	5580	20.38	22.38		
	124	5620	20.60	22.60		
	132	5660	20.64	22.64		
	140	5700	20.35	22.35		
	144	5720	20.36	22.36		
802.11n- HT20 MCS0	100	5500	20.33	22.33	100.00	
	116	5580	20.09	22.09		
	124	5620	20.60	22.60		
	132	5660	20.63	22.63		
	140	5700	20.05	22.05		
	144	5720	20.03	22.03		
802.11n- HT40 MCS0	102	5510	20.98	22.98	100.00	
	110	5550	20.54	22.54		
	126	5630	20.97	22.97		
	134	5670	20.63	22.63		
	142	5710	20.50	22.50		
	144	5710	20.50	22.50		
802.11ac- VHT20 MCS0	100	5500	20.30	22.30	100.00	
	116	5580	20.06	22.06		
	124	5620	20.58	22.58		
	132	5660	20.60	22.60		
	140	5700	20.03	22.03		
	144	5720	20.01	22.01		
802.11ac- VHT40 MCS0	102	5510	20.77	22.77	100.00	
	110	5550	20.53	22.53		
	126	5630	20.75	22.75		
	134	5670	20.61	22.61		
	142	5710	20.48	22.48		
	144	5710	20.48	22.48		
802.11ac- VHT80 MCS0	106	5530	19.65	21.65	100.00	
	122	5610	19.79	21.79		
	138	5690	19.59	21.59		
802.11ax- HE20 MCS0	100	5500	20.38	22.38	100.00	
	116	5580	20.13	22.13		
	124	5620	20.10	22.10		
	132	5660	20.11	22.11		
	140	5700	20.12	22.12		
	144	5720	20.13	22.13		
802.11ax- HE40 MCS0	102	5510	20.42	22.42	100.00	
	110	5550	20.17	22.17		
	126	5630	20.16	22.16		
	134	5670	20.18	22.18		
802.11ax- HE80 MCS0	106	5530	19.51	21.51	100.00	
	122	5610	19.66	21.66		
	138	5690	19.46	21.46		



Reduced Power Level 2/3 for Product Specific

2.4GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	18.34	20.34	98.35	
	6	2437	18.31	20.31		
	11	2462	18.17	20.17		
802.11g 6Mbps	1	2412	16.63	18.63	99.31	
	6	2437	16.42	18.42		
	11	2462	16.37	18.37		
802.11n-HT20 MCS0	1	2412	16.23	18.23	100.00	
	6	2437	16.16	18.16		
	11	2462	16.02	18.02		
802.11n-HT40 MCS0	3	2422	15.68	17.68	100.00	
	6	2437	15.66	17.66		
	9	2452	15.53	17.53		
802.11ax-HE20 MCS0	1	2412	16.27	18.27	100.00	
	6	2437	16.21	18.21		
	11	2462	16.12	18.12		
802.11ax-HE40 MCS0	3	2422	16.34	18.34	100.00	
	6	2437	16.36	18.36		
	9	2452	16.27	18.27		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	16.72	18.72	98.63	
	40	5200	17.02	19.02		
	44	5220	16.73	18.73		
	48	5240	16.64	18.64		
802.11n-HT20 MCS0	36	5180	16.41	18.41	100.00	
	40	5200	16.71	18.71		
	44	5220	16.44	18.44		
	48	5240	16.34	18.34		
802.11n-HT40 MCS0	38	5190	16.87	18.87	100.00	
	46	5230	16.89	18.89		
802.11ac-VHT20 MCS0	36	5180	16.40	18.40	100.00	
	40	5200	16.70	18.70		
	44	5220	16.42	18.42		
	48	5240	16.33	18.33		
802.11ac-VHT40 MCS0	38	5190	16.85	18.85	100.00	
	46	5230	16.86	18.86		
802.11ac-VHT80 MCS0	42	5210	15.99	17.99	100.00	
802.11ax-HE20 MCS0	36	5180	16.44	18.44	100.00	
	40	5200	16.42	18.42		
	44	5220	16.45	18.45		
	48	5240	16.40	18.40		
802.11ax-HE40 MCS0	38	5190	15.53	17.53	100.00	
	46	5230	16.54	18.54		
802.11ax-HE80 MCS0	42	5210	14.77	16.77	100.00	

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	16.74	18.74	98.63	
	56	5280	17.03	19.03		
	60	5300	16.60	18.60		
	64	5320	16.54	18.54		
802.11n-HT20 MCS0	52	5260	16.45	18.45	100.00	
	56	5280	16.60	18.60		
	60	5300	16.30	18.30		
	64	5320	16.24	18.24		
802.11n-HT40 MCS0	54	5270	16.90	18.90	100.00	
	62	5310	15.74	17.74		
802.11ac-VHT20 MCS0	52	5260	16.43	18.43	100.00	
	56	5280	16.58	18.58		
	60	5300	16.12	18.12		
	64	5320	16.21	18.21		
802.11ac-VHT40 MCS0	54	5270	16.87	18.87	100.00	
	62	5310	15.67	17.67		
802.11ac-VHT80 MCS0	58	5290	15.01	17.01	100.00	
802.11ax-HE20 MCS0	52	5260	16.46	18.46	100.00	
	56	5280	16.37	18.37		
	60	5300	16.35	18.35		
	64	5320	16.30	18.30		
802.11ax-HE40 MCS0	54	5270	16.55	18.55	100.00	
	62	5310	16.38	18.38		
802.11ax-HE80 MCS0	58	5290	15.80	17.80	100.00	



5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)		Duty Cycle %	
			Frequency (MHz)	Average power (dBm)		
802.11a 6Mbps	100	5500	16.63	18.63	98.63	
	116	5580	16.38	18.38		
	124	5620	16.60	18.60		
	132	5660	16.64	18.64		
	144	5720	16.36	18.36		
802.11n- HT20 MCS0	100	5500	16.33	18.33	100.00	
	116	5580	16.09	18.09		
	124	5620	16.60	18.60		
	132	5660	16.63	18.63		
	144	5720	16.05	18.05		
802.11n- HT40 MCS0	102	5510	16.98	18.98	100.00	
	110	5550	16.54	18.54		
	126	5630	16.97	18.97		
	134	5670	16.63	18.63		
	142	5710	16.50	18.50		
802.11ac- VHT20 MCS0	100	5500	16.30	18.30	100.00	
	116	5580	16.06	18.06		
	124	5620	16.58	18.58		
	132	5660	16.60	18.60		
	144	5720	16.03	18.03		
802.11ac- VHT40 MCS0	102	5510	16.77	18.77	100.00	
	110	5550	16.53	18.53		
	126	5630	16.75	18.75		
	134	5670	16.61	18.61		
	142	5710	16.48	18.48		
802.11ac- VHT80 MCS0	106	5530	15.65	17.65	100.00	
	122	5610	15.79	17.79		
	138	5690	15.59	17.59		
802.11ax- HE20 MCS0	100	5500	16.38	18.38	100.00	
	116	5580	16.13	18.13		
	124	5620	16.10	18.10		
	132	5660	16.11	18.11		
	144	5720	16.12	18.12		
802.11ax- HE40 MCS0	102	5510	16.42	18.42	100.00	
	110	5550	16.17	18.17		
	126	5630	16.16	18.16		
	134	5670	16.18	18.18		
802.11ax- HE80 MCS0	106	5530	15.51	17.51	100.00	
	122	5610	15.66	17.66		
	138	5690	15.46	17.46		



Reduced Power Level 4 for Product Specific

2.4GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11b 1Mbps	1	2412	15.34	17.34	98.35	
	6	2437	15.31	17.31		
	11	2462	15.17	17.17		
802.11g 6Mbps	1	2412	13.63	15.63	99.31	
	6	2437	13.42	15.42		
	11	2462	13.37	15.37		
802.11n- HT20 MCS0	1	2412	13.23	15.23	100.00	
	6	2437	13.16	15.16		
	11	2462	13.02	15.02		
802.11n- HT40 MCS0	3	2422	12.68	14.68	100.00	
	6	2437	12.66	14.66		
	9	2452	12.53	14.53		
802.11ax- HE20 MCS0	1	2412	13.27	15.27	100.00	
	6	2437	13.21	15.21		
	11	2462	13.12	15.12		
802.11ax- HE40 MCS0	3	2422	13.34	15.34	100.00	
	6	2437	13.36	15.36		
	9	2452	13.27	15.27		

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	36	5180	13.72	15.72	98.63	
	40	5200	14.02	16.02		
	44	5220	13.73	15.73		
	48	5240	13.64	15.64		
802.11n- HT20 MCS0	36	5180	13.41	15.41	100.00	
	40	5200	13.71	15.71		
	44	5220	13.44	15.44		
802.11n- HT40 MCS0	38	5190	13.87	15.87	100.00	
	46	5230	13.89	15.89		
802.11ac- VHT20 MCS0	36	5180	13.40	15.40	100.00	
	40	5200	13.70	15.70		
	44	5220	13.42	15.42		
802.11ac- VHT40 MCS0	48	5240	13.33	15.33	100.00	
	38	5190	13.85	15.85		
	46	5230	13.86	15.86		
802.11ac- VHT80 MCS0	42	5210	12.99	14.99	100.00	
	36	5180	13.44	15.44		
802.11ax- HE20 MCS0	40	5200	13.42	15.42	100.00	
	44	5220	13.45	15.45		
	48	5240	13.40	15.40		
802.11ax- HE40 MCS0	38	5190	12.53	14.53	100.00	
	46	5230	13.54	15.54		
802.11ax- HE80 MCS0	42	5210	11.77	13.77	100.00	

5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	52	5260	13.74	15.74	98.63	
	56	5280	14.03	16.03		
	60	5300	13.60	15.60		
	64	5320	13.54	15.54		
802.11n- HT20 MCS0	52	5260	13.45	15.45	100.00	
	56	5280	13.60	15.60		
	60	5300	13.30	15.30		
802.11n- HT40 MCS0	64	5320	13.24	15.24	100.00	
	54	5270	13.90	15.90		
802.11ac- VHT20 MCS0	62	5310	12.74	14.74	100.00	
	52	5260	13.43	15.43		
	56	5280	13.58	15.58		
802.11ac- VHT40 MCS0	60	5300	13.12	15.12	100.00	
	64	5320	13.21	15.21		
	54	5270	13.87	15.87		
802.11ac- VHT80 MCS0	62	5310	12.67	14.67	100.00	
	58	5290	12.01	14.01		
802.11ax- HE20 MCS0	52	5260	13.46	15.46	100.00	
	56	5280	13.37	15.37		
	60	5300	13.35	15.35		
802.11ax- HE40 MCS0	64	5320	13.30	15.30	100.00	
	54	5270	13.55	15.55		
802.11ax- HE80 MCS0	62	5310	13.38	15.38	100.00	
	58	5290	12.80	14.80		



5GHz WLAN		Ant 1+2				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	13.63	15.63	98.63	
	116	5580	13.38	15.38		
	124	5620	13.60	15.60		
	132	5660	13.64	15.64		
	144	5720	13.36	15.36		
802.11n- HT20 MCS0	100	5500	13.33	15.33	100.00	
	116	5580	13.09	15.09		
	124	5620	13.60	15.60		
	132	5660	13.63	15.63		
	144	5720	13.05	15.05		
802.11n- HT40 MCS0	102	5510	13.98	15.98	100.00	
	110	5550	13.54	15.54		
	126	5630	13.97	15.97		
	134	5670	13.63	15.63		
	142	5710	13.50	15.50		
802.11ac- VHT20 MCS0	100	5500	13.30	15.30	100.00	
	116	5580	13.06	15.06		
	124	5620	13.58	15.58		
	132	5660	13.60	15.60		
	144	5720	13.03	15.03		
802.11ac- VHT40 MCS0	102	5510	13.77	15.77	100.00	
	110	5550	13.53	15.53		
	126	5630	13.75	15.75		
	134	5670	13.61	15.61		
	142	5710	13.48	15.48		
802.11ac- VHT80 MCS0	106	5530	12.65	14.65	100.00	
	122	5610	12.79	14.79		
	138	5690	12.59	14.59		
802.11ax- HE20 MCS0	100	5500	13.38	15.38	100.00	
	116	5580	13.13	15.13		
	124	5620	13.10	15.10		
	132	5660	13.11	15.11		
	144	5720	13.12	15.12		
802.11ax- HE40 MCS0	102	5510	13.42	15.42	100.00	
	110	5550	13.17	15.17		
	126	5630	13.16	15.16		
	134	5670	13.18	15.18		
802.11ax- HE80 MCS0	106	5530	12.51	14.51	100.00	
	122	5610	12.66	14.66		
	138	5690	12.46	14.46		



Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.

RF exposure position										Aperture 00				Aperture 01				Aperture 02				Aperture 03																
										Average Value of Time Sweep (W/h)				Average Value of Time Sweep (W/h)				Average Value of Time Sweep (W/h)				Average Value of Time Sweep (W/h)																
Band	Mode	Power Reduction	Channel	Frequency (MHz)	FSS State	FSS Offset	Test Position	Spinning	Measured by SAR (W/kg)	0	22	44	66	88	110	132	0	22	44	66	88	110	132	0	22	44	66	88	110	132								
										0	22	44	66	88	110	132	0	22	44	66	88	110	132	0	22	44	66	88	110	132	0	22	44	66	88	110	132	
GSM850_LMT	GPRS Tx rx	Head Direction	L8	824.2	NA	NA	Left Cheek	On	0.702	0	0	0.028	0	0.041	0	0	0	0.168	0.266	0	0.2	0.168	0	0.056	0	0.148	0.206	0.027	0.121	0.08	0	0	0.046	0	0.061	0.047	0	
										1	23	45	67	89	111	133	1	23	45	67	89	111	133	1	23	45	67	89	111	133	1	23	45	67	89	111	133	1
CDMA2000_BCS_LMT	RCH-HSCSS	Head Direction	1013	824.7	NA	NA	Left Cheek	On	0.702	0	0.015	0	0	0.028	0	0	0.011	0.158	0.216	0	0	0.045	0.082	0	0	0.121	0.166	0.027	0	0	0.052	0	0.062	0	0.054	0	0	
										2	24	46	68	90	112	134	2	24	46	68	90	112	134	2	24	46	68	90	112	134	2	24	46	68	90	112	134	2
CDMA2000_BCS_LMT	RCH-HSCSS	Head Direction	585	825.5	NA	NA	Left Cheek	On	0.677	0	0	0.047	0	0.062	0	0	0	0.215	0.241	0	0.164	0.082	0	0.055	0	0.105	0.091	0.121	0	0.052	0	0	0.036	0	0.022	0	0	
										3	25	47	69	91	113	135	3	25	47	69	91	113	135	3	25	47	69	91	113	135	3	25	47	69	91	113	135	3
WCDMA_V_LMT	RMC 12 20p4	Head Direction	4132	826.4	NA	NA	Left Cheek	On	0.812	0	0	0.041	0	0.053	0	0	0.024	0.368	0.419	0.087	0.312	0.043	0.075	0.125	0.044	0.121	0.144	0.133	0	0.103	0.04	0	0.071	0.047	0.085	0	0	
										4	26	48	70	92	114	136	4	26	48	70	92	114	136	4	26	48	70	92	114	136	4	26	48	70	92	114	136	4
LTE_Band71_LMT	20M-QPSK	Head Direction	13332	663	50	34	Left Cheek	On	0.135	0.148	0	0	0.113	0.083	0	0.144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.132	0.272	0	0.163	0.045	0.113	0.168	
										5	27	49	71	93	115	137	5	27	49	71	93	115	137	5	27	49	71	93	115	137	5	27	49	71	93	115	137	5
LTE_Band12_LMT	10M-QPSK	Head Direction	2005	707.5	25	25	Left Cheek	On	0.876	0.004	0	0	0.077	0.062	0	0.06	0	0	0	0	0	0	0	0.003	0.165	0	0.069	0.037	0.159	0.06	0.468	0.13	0	0.068	0.24	0.046	0.313	
										6	28	50	72	94	116	138	6	28	50	72	94	116	138	6	28	50	72	94	116	138	6	28	50	72	94	116	138	6
LTE_Band13_LMT	10M-QPSK	Head Direction	2020	702	25	25	Left Cheek	On	0.658	0	0	0	0.033	0.051	0	0	0.046	0.165	0	0.003	0.202	0.041	0.054	0.103	0	0.049	0.204	0.029	0.027	0.142	0	0	0.148	0.161	0	0.105		
										7	29	51	73	95	117	139	7	29	51	73	95	117	139	7	29	51	73	95	117	139	7	29	51	73	95	117	139	7
LTE_Band5_LMT	10M-QPSK	Head Direction	2025	826.5	1	0	Left Cheek	On	0.873	0	0	0	0	0	0	0.132	0.267	0.068	0.137	0.332	0.09	0.113	0.121	0.041	0	0.125	0.167	0.04	0.089	0.052	0	0	0.023	0.065	0	0		
										8	30	52	74	96	118	140	8	30	52	74	96	118	140	8	30	52	74	96	118	140	8	30	52	74	96	118	140	8
LTE_Band26_LMT	10M-QPSK	Head Direction	2065	811.5	30	20	Left Cheek	On	0.755	0	0	0	0	0	0	0	0.144	0.281	0.081	0.168	0	0.113	0.138	0.149	0.045	0	0.171	0.053	0	0.11	0.064	0	0	0.065	0	0.045	0.043	
										9	31	53	75	97	119	141	9	31	53	75	97	119	141	9	31	53	75	97	119	141	9	31	53	75	97	119	141	9
SA_NP1_AND	20M-PD-BPSK	Head Direction	13010	660.5	1	0	Left Side	On	0.889	0.163	0	0	0.166	0.051	0	0.156	0	0	0	0	0	0	0	0	0	0	0	0.046	0	0.067	0	0.208	0.33	0.055	0.241	0	0.24	0.209
										10	32	54	76	98	120	142	10	32	54	76	98	120	142	10	32	54	76	98	120	142	10	32	54	76	98	120	142	10
NS_AND	20M-PD-BPSK	Head Direction	18730	826.5	1	0	Left Side	On	0.859	0	0	0	0	0.047	0	0.021	0	0.131	0.243	0.043	0.177	0.183	0.169	0	0	0.17	0.049	0.081	0.08	0.072	0	0	0.073	0	0.062	0.044		
										11	33	55	77	99	121	143	11	33	55	77	99	121	143	11	33	55	77	99	121	143	11	33	55	77	99	121	143	11
GSM850_LMT	GPRS Tx rx	Head on	128	824.2	NA	NA	Left Side	On	0.428	0	0	0	0	0	0	0	0.094	0	0.08	0.1	0	0.082	0.105	0.111	0	0	0.05	0	0.052	0.062	0.042	0	0	0.039	0	0.039	0	
										12	34	56	78	100	122	12	34	56	78	100	122	12	34	56	78	100	122	12	34	56	78	100	122	12	34	56	78	100
CDMA2000_BCS_LMT	RCH-HSCSS	Head on	1013	824.7	NA	NA	Left Side	On	0.577	0	0	0	0.036	0	0	0.022	0.13	0	0.085	0	0	0.056	0	0	0	0	0	0	0	0	0.083	0	0	0	0	0.022	0	
										13	35	57	79	101	123	13	35	57	79	101	123	13	35	57	79	101	123	13	35	57	79	101	123	13	35	57	79	101
CDMA2000_BCS_LMT	RCH-HSCSS	Head on	585	825.5	NA	NA	Left Side	On	0.594	0.002	0	0	0	0	0	0	0.002	0	0	0	0	0.122	0	0.143	0.022	0	0	0.098	0	0	0	0.028	0.033	0	0	0	0	
										14	36	58	80	102	124	14	36	58	80	102	124	14	36	58	80	102	124	14	36	58	80	102	124	14	36	58	80	102
WCDMA_V_LMT	RMC 12 20p4	Head on	4132	826.4	NA	NA	Left Side	On	0.859	0.042	0	0	0	0.034	0	0.028	0.174	0.17	0	0.066	0.287	0.082	0.23	0.073	0	0.086	0.127	0.094	0.103	0.055	0	0	0	0	0.108	0		
										15	37	59	81	103	125	15	37	59	81	103	125	15	37	59	81	103	125	15	37	59	81	103	125	15	37	59	81	103
LTE_Band71_LMT	20M-QPSK	Head on	13332	663	50	34	Left Side	On	0.59	0.165	0	0	0.078	0.048	0.058	0	0	0	0	0	0	0	0	0	0.083	0.071	0	0	0	0.117	0	0.068	0.138	0.113	0	0.116	0.077	0.08
										16	38	60	82	104	126	16	38	60	82	104	126	16	38	60	82	104	126	16	38	60	82	104	126	16	38	60	82	104
LTE_Band12_LMT	10M-QPSK	Head on	2005	707.5	25	25	Left Side	On	0.556	0	0	0	0	0.04	0.041	0	0	0	0	0	0	0	0	0	0.013	0.047	0.107	0.047	0.265	0	0	0.086	0.041	0.203	0.302	0.151	0.208	
										17	39	61	83	105	127	17	39	61	83	105	127	17	39	61	83	105	127	17	39	61	83	105	127	17	39	61	83	105
LTE_Band13_LMT	10M-QPSK	Head on	2020	702	1	25	Left Side	On	0.427	0																												

Aperture 04					Aperture 05					Aperture 06					Aperture 07					Aperture 08					Aperture 09											
Average Value of Time Resop (MHz)					Average Value of Time Resop (MHz)					Average Value of Time Resop (MHz)					Average Value of Time Resop (MHz)					Average Value of Time Resop (MHz)					Average Value of Time Resop (MHz)											
0	22	44	66	88	110	132	0	22	44	66	88	110	132	0	22	44	66	88	110	132	0	22	44	66	88	110	132	0	22	44	66	88	110	132		
0	0	0.032	0	0.064	0	0	0	0	0.096	0	0.128	0	0	0	0.160	0.096	0	0.224	0.128	0	0.256	0.160	0.096	0	0.288	0.192	0.128	0.064	0.032	0	0.000	0.000	0.000			
1	23	45	67	89	111	133	1	23	45	67	89	111	133	1	23	45	67	89	111	133	1	23	45	67	89	111	133	1	23	45	67	89	111	133		
0	0	0.005	0	0.010	0	0	0	0.015	0.010	0	0.020	0	0	0	0.025	0.020	0	0.030	0.025	0	0.035	0.030	0.025	0	0.040	0.035	0.030	0.025	0.020	0	0.015	0.010	0.010			
2	24	46	68	90	112	134	2	24	46	68	90	112	134	2	24	46	68	90	112	134	2	24	46	68	90	112	134	2	24	46	68	90	112	134		
0	0	0.041	0	0.082	0	0	0	0.123	0	0.164	0	0	0	0.205	0.164	0	0.246	0.205	0	0.287	0.246	0.205	0	0.328	0.287	0.246	0.205	0.164	0.082	0.041	0.000	0.000	0.000			
3	25	47	69	91	113	135	3	25	47	69	91	113	135	3	25	47	69	91	113	135	3	25	47	69	91	113	135	3	25	47	69	91	113	135		
0	0	0.005	0	0.010	0	0	0	0.015	0.010	0	0.020	0	0	0	0.025	0.020	0	0.030	0.025	0	0.035	0.030	0.025	0	0.040	0.035	0.030	0.025	0.020	0	0.015	0.010	0.010			
4	26	48	70	92	114	136	4	26	48	70	92	114	136	4	26	48	70	92	114	136	4	26	48	70	92	114	136	4	26	48	70	92	114	136		
0.228	0.151	0	0.072	0.036	0	0.018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
5	27	49	71	93	115	137	5	27	49	71	93	115	137	5	27	49	71	93	115	137	5	27	49	71	93	115	137	5	27	49	71	93	115	137		
0.315	0.202	0	0.101	0.050	0	0.025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
6	28	50	72	94	116	138	6	28	50	72	94	116	138	6	28	50	72	94	116	138	6	28	50	72	94	116	138	6	28	50	72	94	116	138		
0.07	0	0	0.073	0.037	0	0.019	0	0	0	0	0.038	0.019	0	0.076	0.038	0	0.114	0.076	0	0.152	0.114	0.076	0	0.190	0.152	0.114	0.076	0.038	0.019	0	0	0	0.038	0.019		
7	29	51	73	95	117	139	7	29	51	73	95	117	139	7	29	51	73	95	117	139	7	29	51	73	95	117	139	7	29	51	73	95	117	139		
0	0	0	0	0	0.032	0	0	0	0.064	0	0	0.096	0	0	0.128	0.096	0	0.160	0.128	0	0.192	0.160	0.128	0	0.224	0.192	0.160	0.128	0.096	0.064	0.032	0	0.000	0.000	0.000	
8	30	52	74	96	118	140	8	30	52	74	96	118	140	8	30	52	74	96	118	140	8	30	52	74	96	118	140	8	30	52	74	96	118	140		
0	0	0	0.041	0	0	0.082	0	0.164	0.082	0	0.328	0.164	0	0.656	0.328	0.164	0.328	0.164	0	0.656	0.328	0.164	0	1.312	0.656	0.328	0.164	0.082	0.041	0.000	0.000	0.000	0.000	0.000		
9	31	53	75	97	119	141	9	31	53	75	97	119	141	9	31	53	75	97	119	141	9	31	53	75	97	119	141	9	31	53	75	97	119	141		
0.489	0.331	0	0.165	0.083	0.041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
10	32	54	76	98	120	142	10	32	54	76	98	120	142	10	32	54	76	98	120	142	10	32	54	76	98	120	142	10	32	54	76	98	120	142		
0.945	0	0	0.246	0	0.055	0	0.087	0.044	0	0.174	0.087	0.111	0.056	0.111	0.056	0.111	0.056	0.111	0.056	0.111	0.056	0.111	0.056	0.111	0.056	0.111	0.056	0.111	0.056	0.111	0.056	0.111	0.056	0.111		
11	33	55	77	99	121	143	11	33	55	77	99	121	143	11	33	55	77	99	121	143	11	33	55	77	99	121	143	11	33	55	77	99	121	143		
0	0	0	0	0	0	0	0	0.032	0	0	0.064	0	0	0.096	0.064	0	0.128	0.096	0	0.160	0.128	0.096	0	0.192	0.160	0.128	0.096	0.064	0.032	0	0	0	0.064	0.032		
12	34	56	78	100	122	0	12	34	56	78	100	122	0	12	34	56	78	100	122	0	12	34	56	78	100	122	0	12	34	56	78	100	122	0	0.000	0.000
0	0	0	0	0	0	0	0	0.128	0	0.256	0	0.384	0	0	0.512	0.384	0	0.640	0.512	0	0.768	0.640	0.512	0	0.896	0.768	0.640	0.512	0.384	0.256	0.128	0	0.000	0.000		
13	35	57	79	101	123	1	13	35	57	79	101	123	1	13	35	57	79	101	123	1	13	35	57	79	101	123	1	13	35	57	79	101	123	1	0.000	0.000
0.084	0	0	0	0.032	0.016	0	0	0	0.112	0	0.224	0.112	0	0.448	0.224	0	0.896	0.448	0	1.792	0.896	0.448	0	3.584	1.792	0.896	0.448	0.224	0.112	0.032	0	0.016	0.008	0.008		
14	36	58	80	102	124	2	14	36	58	80	102	124	2	14	36	58	80	102	124	2	14	36	58	80	102	124	2	14	36	58	80	102	124	2	0.000	0.000
0.07	0.045	0	0	0.093	0.047	0.024	0	0.086	0.043	0.021	0	0.172	0.086	0.043	0.021	0.172	0.086	0.043	0.021	0.344	0.172	0.086	0.043	0.021	0.344	0.172	0.086	0.043	0.021	0.047	0.024	0.012	0.006	0.006		
15	37	59	81	103	125	3	15	37	59	81	103	125	3	15	37	59	81	103	125	3	15	37	59	81	103	125	3	15	37	59	81	103	125	3	0.000	0.000
0.044	0.028	0	0	0.088	0.044	0.022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000	0.000
16	38	60	82	104	126	4	16	38	60	82	104	126	4	16	38	60	82	104	126	4	16	38	60	82	104	126	4	16	38	60	82	104	126	4	0.000	0.000
0	0.047	0	0	0.174	0.087	0.044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000	0.000
17	39	61	83	105	127	5	17	39	61	83	105	127	5	17	39	61	83	105	127	5	17	39	61	83	105	127	5	17	39	61	83	105	127	5	0.000	0.000
0	0.04	0	0	0	0.082	0	0.164	0.082	0	0.328	0.164	0.328	0	0.656	0.328	0.164	0.328	0.164	0	1.312	0.656	0.328	0.164	0.328	0.164	0.328	0.164	0.082	0.041	0.000	0.000	0.000	0.000	0.000	0.000	
18	40	62	84	106	128	6	18	40	62	84	106	128	6	18	40	62	84	106	128	6	18	40	62	84	106	128	6	18	40	62	84	106	128	6	0.000	0.000
0	0	0	0	0	0	0	0.049	0.025	0.012	0	0	0.098	0.049	0.025	0.012	0	0	0.196	0.098	0.049	0.025	0.012	0	0.392	0.196	0.098	0.049	0.025	0.012	0	0.012	0.006	0.003	0.001	0.001	0.001
19	41	63	85	107	129	7	19	41	63	85	107	129	7	19	41	63	85	107	129	7	19	41	63	85	107	129	7	19	41	63	85	107	129	7	0.000	0.000
0	0.048	0	0	0	0	0.096	0.048	0	0.192	0.096	0.192	0	0.384	0.192	0.096	0.192	0.096	0.192	0.096	0	0.384	0.192	0.096	0.192	0.096	0.192	0.096	0.192	0.096	0.192	0.096	0.192	0.096	0.192	0.096	0.192
20	42	64	86	108	130	8	20	42	64	86	108	130	8	20	42	64	86	108	130	8	20	42	64	86	108	130	8	20	42	64	86	108	130	8	0.000	0.000
0	0.176	0.088	0.044	0.022	0.011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.000	0.000
21	43	65	87	109	131	9	21	43	65	87	109	131	9	21	43	65	87	109	131	9	21	43	65	87	109	131	9	21	43	65	87	109	131	9	0.000	0.000
0	0.048	0	0.096	0	0	0.192	0.096	0	0.384	0.192	0.384	0	0.768	0.384	0.192	0.384	0.192	0.384	0.192	0	0.768	0.384	0.192	0.384	0.192	0.384										

Aperture 10					Aperture 11					Aperture 12					Aperture 13					Aperture 14					Aperture 15																	
Average Value of Time Resop (MHz)					Average Value of Time Resop (MHz)					Average Value of Time Resop (MHz)					Average Value of Time Resop (MHz)					Average Value of Time Resop (MHz)					Average Value of Time Resop (MHz)																	
0	22	44	66	88	110	132	0	22	44	66	88	110	132	0	22	44	66	88	110	132	0	22	44	66	88	110	132	0	22	44	66	88	110	132								
0	0	0.146	0.112	0.072	0.075	0	0	0.052	0.162	0	0.071	0	0	0	0.056	0.231	0	0.081	0	0	0	0.113	0.226	0	0.156	0	0	0.062	0.236	0.1	0.14	0.22	0.082	0	0	0.123	0	0.162	0	0		
1	23	45	67	89	111	133	1	23	45	67	89	111	133	1	23	45	67	89	111	133	1	23	45	67	89	111	133	1	23	45	67	89	111	133	1	23	45	67	89	111	133	
0	0	0.008	0.036	0.067	0	0	0	0.004	0.161	0	0.158	0	0	0	0.004	0.165	0	0.176	0	0	0	0.162	0.127	0	0.208	0	0	0	0.087	0.262	0.156	0.182	0	0	0	0.144	0	0.138	0	0		
2	24	46	68	90	112	134	2	24	46	68	90	112	134	2	24	46	68	90	112	134	2	24	46	68	90	112	134	2	24	46	68	90	112	134	2	24	46	68	90	112	134	
0	0	0.164	0.082	0	0	0	0	0.062	0.146	0	0.161	0	0	0	0	0.164	0	0	0	0	0	0.121	0.126	0	0.176	0	0	0	0.217	0.162	0.062	0	0.072	0	0	0	0.112	0.046	0			
3	25	47	69	91	113	135	3	25	47	69	91	113	135	3	25	47	69	91	113	135	3	25	47	69	91	113	135	3	25	47	69	91	113	135	3	25	47	69	91	113	135	
0.083	0	0.002	0.09	0.104	0	0.085	0	0.091	0.16	0	0.173	0.079	0	0	0.091	0.173	0	0.183	0.076	0	0	0.166	0.204	0	0.223	0.074	0	0.168	0.157	0.3	0.217	0.24	0	0.198	0	0.056	0.119	0	0.139	0.085	0	
4	26	48	70	92	114	136	4	26	48	70	92	114	136	4	26	48	70	92	114	136	4	26	48	70	92	114	136	4	26	48	70	92	114	136	4	26	48	70	92	114	136	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	27	49	71	93	115	137	5	27	49	71	93	115	137	5	27	49	71	93	115	137	5	27	49	71	93	115	137	5	27	49	71	93	115	137	5	27	49	71	93	115	137	
0.084	0.278	0	0.114	0.413	0.13	0.092	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	28	50	72	94	116	138	6	28	50	72	94	116	138	6	28	50	72	94	116	138	6	28	50	72	94	116	138	6	28	50	72	94	116	138	6	28	50	72	94	116	138	
0	0	0	0.146	0.14	0.042	0.215	0	0	0	0.084	0.052	0	0	0	0	0.075	0.06	0	0	0.04	0	0	0.113	0.062	0	0.082	0.32	0.04	0	0.37	0.155	0.087	0	0	0	0.025	0	0	0.025	0	0	
7	29	51	73	95	117	139	7	29	51	73	95	117	139	7	29	51	73	95	117	139	7	29	51	73	95	117	139	7	29	51	73	95	117	139	7	29	51	73	95	117	139	
0.089	0	0	0.039	0.09	0	0.054	0	0.088	0	0	0.151	0.124	0	0	0.089	0	0	0.165	0.12	0	0	0.178	0	0	0.223	0.113	0	0.208	0.123	0	0.265	0.253	0.088	0.311	0	0.082	0	0	0.142	0.108	0	
8	30	52	74	96	118	140	8	30	52	74	96	118	140	8	30	52	74	96	118	140	8	30	52	74	96	118	140	8	30	52	74	96	118	140	8	30	52	74	96	118	140	
0.119	0.04	0	0.12	0	0.053	0.078	0	0.106	0	0	0.146	0	0	0.079	0	0	0	0.132	0	0.041	0.084	0	0.045	0	0.132	0	0.36	0.161	0	0.388	0	0.091	0.254	0	0.083	0	0	0	0.123	0	0	
9	31	53	75	97	119	141	9	31	53	75	97	119	141	9	31	53	75	97	119	141	9	31	53	75	97	119	141	9	31	53	75	97	119	141	9	31	53	75	97	119	141	
0.054	0.058	0	0.005	0	0.148	0.053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	32	54	76	98	120	142	10	32	54	76	98	120	142	10	32	54	76	98	120	142	10	32	54	76	98	120	142	10	32	54	76	98	120	142	10	32	54	76	98	120	142	
0.134	0	0	0.135	0	0.082	0.061	0.085	0	0.243	0	0.174	0	0.046	0.083	0	0.046	0	0.14	0	0.069	0.069	0.002	0.073	0	0.189	0.048	0.038	0	0.007	0.261	0.139	0.15	0.004	0	0.077	0	0	0	0.133	0	0	
11	33	55	77	99	121	143	11	33	55	77	99	121	143	11	33	55	77	99	121	143	11	33	55	77	99	121	143	11	33	55	77	99	121	143	11	33	55	77	99	121	143	
0.047	0	0	0.049	0	0	0	0	0.034	0	0	0.032	0	0	0.042	0	0	0	0.036	0	0	0.049	0	0	0.087	0	0	0.167	0	0	0.166	0.045	0.072	0.036	0	0	0.045	0	0	0.074	0	0	
12	34	56	78	100	122	0	12	34	56	78	100	122	0	12	34	56	78	100	122	0	12	34	56	78	100	122	0	12	34	56	78	100	122	0	12	34	56	78	100	122	0	
0	0	0	0.042	0.038	0	0.063	0	0	0	0	0.087	0	0	0.087	0	0	0	0.056	0	0.043	0.039	0	0	0	0	0.174	0.088	0	0	0.082	0.058	0.212	0	0	0	0	0	0	0	0	0	
13	35	57	79	101	123	1	13	35	57	79	101	123	1	13	35	57	79	101	123	1	13	35	57	79	101	123	1	13	35	57	79	101	123	1	13	35	57	79	101	123	1	
0.088	0	0	0	0	0.046	0	0	0	0.062	0	0.083	0	0	0.163	0	0	0	0.064	0	0	0.132	0	0	0.064	0	0.151	0	0.088	0.051	0	0.132	0.167	0	0	0	0	0	0	0.042	0	0	
14	36	58	80	102	124	2	14	36	58	80	102	124	2	14	36	58	80	102	124	2	14	36	58	80	102	124	2	14	36	58	80	102	124	2	14	36	58	80	102	124	2	
0.168	0.06	0	0	0.036	0.132	0.044	0.033	0.2	0	0.08	0	0.188	0	0.058	0.206	0	0.079	0	0.196	0	0.089	0.213	0.086	0.071	0	0.254	0	0.452	0.128	0.085	0	0.248	0.249	0.211	0.041	0.176	0	0.089	0	0.158	0	
15	37	59	81	103	125	3	15	37	59	81	103	125	3	15	37	59	81	103	125	3	15	37	59	81	103	125	3	15	37	59	81	103	125	3	15	37	59	81	103	125	3	
0.116	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	38	60	82	104	126	4	16	38	60	82	104	126	4	16	38	60	82	104	126	4	16	38	60	82	104	126	4	16	38	60	82	104	126	4	16	38	60	82	104	126	4	
0	0.169	0.089	0.086	0.084	0.263	0.059	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	39	61	83	105	127	5	17	39	61	83	105	127	5	17	39	61	83	105	127	5	17	39	61	83	105	127	5	17	39	61	83	105	127	5	17	39	61	83	105	127	5	
0	0.074	0	0	0.162	0.111	0.267	0	0.052	0	0	0.041	0	0	0.052	0	0.059	0	0.042	0	0	0.052	0	0.058	0	0.091	0.205	0.16	0.13	0.044	0.246	0.043	0	0	0	0	0	0	0	0	0	0	
18	40	62	84	106	128	6	18	40	62	84	106	128	6	18	40	62	84	106	128	6	18	40	62	84	106	128	6	18	40	62	84	106	128	6	18	40	62	84	106	128	6	
0	0.051	0	0	0	0	0.052	0	0.103	0	0.088	0	0	0	0	0.108	0	0.39	0	0	0	0.055	0.127	0.04	0.091	0	0	0	0	0.103	0.048	0.052	0.206	0	0	0	0.046	0	0.079	0	0	0	
19	41	63	85	107	129	7	19	41	63	85	107	129	7	19	41	63	85	107	129	7	19	41	63	85	107	129	7	19	41	63	85	107	129	7	19	41	63	85	107	129	7	
0	0.063	0	0	0.063	0	0.065	0	0.169																																		

Aperture 04												Aperture 05												Aperture 06												Aperture 07												Aperture 08												Aperture 09											
Average Value of Time Sweep (W/g)												Average Value of Time Sweep (W/g)												Average Value of Time Sweep (W/g)												Average Value of Time Sweep (W/g)												Average Value of Time Sweep (W/g)												Average Value of Time Sweep (W/g)											
0	22	44	66	88	110	132	0	22	44	66	88	110	132	0	22	44	66	88	110	132	0	22	44	66	88	110	132	0	22	44	66	88	110	132	0	22	44	66	88	110	132																														
0.002	0	0	0	0	0	0	0.044	0.091	0.268	0	0	0	0	0.104	0.268	0.57	0	0	0	0	0	0.11	0.268	0.57	0	0	0	0.264	0.268	0	0	0	0	0	0.068	0.044	0	0	0	0	0																														
1	23	45	67	89	111	133	1	23	45	67	89	111	133	1	23	45	67	89	111	133	1	23	45	67	89	111	133	1	23	45	67	89	111	133	1	23	45	67	89	111	133																														
0.074	0	0	0	0	0	0	0.087	0.121	0.268	0	0	0	0	0.05	0.123	0	0.114	0	0	0	0	0.05	0.123	0	0.115	0	0	0	0.081	0.092	0	0.053	0	0	0	0.086	0.077	0	0	0	0	0																													
2	24	46	68	90	112	134	2	24	46	9	22	44	66	2	24	46	68	90	112	134	2	24	46	68	90	112	134	2	24	46	68	90	112	134	2	24	46	68	90	112	134																														
0.079	0	0	0	0	0	0	0.085	0.134	0.267	0	0	0	0	0	0.123	0	0.133	0	0	0	0	0.05	0.126	0	0.133	0	0	0	0.08	0.096	0	0	0	0	0	0.085	0.078	0	0	0	0	0																													
3	25	47	69	91	113	135	3	25	47	69	91	113	135	3	25	47	69	91	113	135	3	25	47	69	91	113	135	3	25	47	69	91	113	135	3	25	47	69	91	113	135																														
0.047	0	0	0	0	0	0	0.046	0.101	0.136	0.12	0	0	0	0.097	0.138	0.269	0.094	0	0	0	0	0.097	0.136	0.269	0.095	0	0	0	0.135	0.073	0	0	0	0	0	0.113	0.068	0	0	0	0	0																													
4	26	48	70	92	114	136	4	26	48	70	92	114	136	4	26	48	70	92	114	136	4	26	48	70	92	114	136	4	26	48	70	92	114	136	4	26	48	70	92	114	136																														
0.052	0	0.039	0.042	0	0	0	0	0	0	0	0	0	0	0.046	0	0.067	0	0	0	0	0	0.039	0	0.076	0	0	0	0	0.064	0	0.076	0	0	0	0	0	0	0.072	0	0	0	0																													
5	27	49	71	93	115	137	5	27	49	71	93	115	137	5	27	49	71	93	115	137	5	27	49	71	93	115	137	5	27	49	71	93	115	137	5	27	49	71	93	115	137																														
0.044	0	0.048	0.049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.081	0	0	0	0	0	0	0.086	0	0	0	0																													
6	28	50	72	94	116	138	6	28	50	72	94	116	138	6	28	50	72	94	116	138	6	28	50	72	94	116	138	6	28	50	72	94	116	138	6	28	50	72	94	116	138																														
0.062	0.063	0	0	0	0	0	0	0	0	0	0	0	0	0.055	0	0.105	0	0	0	0	0	0.054	0	0.106	0	0	0	0	0.064	0.046	0.062	0	0	0	0	0.087	0.062	0.076	0	0	0	0																													
7	29	51	73	95	117	139	7	29	51	73	95	117	139	7	29	51	73	95	117	139	7	29	51	73	95	117	139	7	29	51	73	95	117	139	7	29	51	73	95	117	139																														
0	0	0	0	0	0	0	0.063	0	0.112	0	0	0	0	0.12	0.086	0.111	0	0	0	0	0	0.118	0.087	0.112	0	0	0	0	0.114	0.123	0	0	0	0	0	0.095	0.105	0	0	0	0	0																													
8	30	52	74	96	118	140	8	30	52	74	96	118	140	8	30	52	74	96	118	140	8	30	52	74	96	118	140	8	30	52	74	96	118	140	8	30	52	74	96	118	140																														
0	0	0	0	0	0	0	0.089	0.052	0.12	0	0	0	0	0.142	0.122	0.116	0	0	0	0	0	0.145	0.121	0.116	0	0	0	0	0.067	0.117	0.044	0	0	0	0	0.07	0.067	0	0	0	0	0																													
9	31	53	75	97	119	141	9	31	53	75	97	119	141	9	31	53	75	97	119	141	9	31	53	75	97	119	141	9	31	53	75	97	119	141	9	31	53	75	97	119	141																														
0	0	0.055	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																													
10	32	54	76	98	120	142	10	32	54	76	98	120	142	10	32	54	76	98	120	142	10	32	54	76	98	120	142	10	32	54	76	98	120	142	10	32	54	76	98	120	142																														
0	0	0	0	0	0	0	0.058	0.050	0	0	0	0	0	0.056	0.062	0	0	0	0	0	0	0.054	0.064	0	0	0	0	0	0.073	0.048	0	0	0	0	0	0.07	0	0	0	0	0	0																													
11	33	55	77	99	121	143	11	33	55	77	99	121	143	11	33	55	77	99	121	143	11	33	55	77	99	121	143	11	33	55	77	99	121	143	11	33	55	77	99	121	143																														
0.042	0	0.046	0	0	0	0	0.067	0	0.056	0	0	0	0	0.063	0	0.061	0	0	0	0	0	0.060	0	0.061	0	0	0	0	0.047	0	0.042	0	0	0	0	0.043	0	0.043	0	0	0	0																													
12	34	56	78	100	122	0	12	34	56	78	100	122	0	12	34	56	78	100	122	0	12	34	56	78	100	122	0	12	34	56	78	100	122	0	12	34	56	78	100	122	0																														
0.173	0.067	0.075	0	0	0	0.374	0.126	0.264	0.224	0	0	0	0.062	0.260	0.167	0.14	0	0	0	0.112	0.27	0.167	0.14	0	0	0	0.11	0.31	0.106	0.104	0	0	0	0.235	0.285	0.064	0.066	0	0	0	0.275																														
13	35	57	79	101	123	1	13	35	57	79	101	123	1	13	35	57	79	101	123	1	13	35	57	79	101	123	1	13	35	57	79	101	123	1	13	35	57	79	101	123	1																														
0.241	0.065	0.11	0	0	0	0.416	0.133	0.245	0.220	0	0	0	0.065	0.274	0.166	0.247	0.071	0.054	0.068	0.13	0.276	0.217	0.248	0.071	0.065	0.069	0.132	0.38	0.172	0.163	0	0	0	0.23	0.268	0.151	0.156	0	0	0	0.239																														
14	36	58	80	102	124	2	14	36	58	80	102	124	2	14	36	58	80	102	124	2	14	36	58	80	102	124	2	14	36	58	80	102	124	2	14	36	58	80	102	124	2																														
0.206	0	0.119	0	0	0	0.401	0.177	0.296	0.296	0	0	0	0.058	0.372	0.267	0.313	0.09	0.078	0.073	0.169	0.371	0.267	0.313	0.092	0.083	0.082	0.167	0.362	0.053	0.262	0	0	0	0.346	0.338	0.049	0.163	0	0	0	0.391																														
15	37	59	81	103	125	3	15	37	59	81	103	125	3	15	37	59	81	103	125	3	15	37	59	81	103	125	3	15	37	59	81	103	125	3	15	37	59	81	103	125	3																														
0.106	0	0.055	0	0	0	0.285	0.316	0	0.339	0	0	0	0.14	0.271	0	0.162	0	0	0	0.231	0.272	0	0.194	0	0	0	0.23	0.175	0	0.068	0	0	0	0.27	0.166	0	0.091	0	0	0	0.272																														
16	38	60	82	104	126	4	16	38	60	82	104	126	4	16	38	60	82	104	126	4	16	38	60	82	104	126	4	16	38	60	82	104	126	4	16	38	60	82	104	126	4																														
0.388	0.061	0.318	0	0.099	0	0.203	0.052	0.058	0.047	0	0	0	0.065	0.126	0.167	0.104	0	0	0	0.073	0.126	0.179	0.102	0	0	0	0.073	0.243	0.304	0.266	0	0	0	0.104	0.267	0.364	0.306	0	0	0	0.11																														
17	39	61	83	105	127	5	17	39	61	83	105	127	5	17	39	61	83	105	127	5	17	39	61	83	105	127	5	17	39	61	83	105	127	5	17	39	61	83	105	127	5																														
0.158	0.079	0.106	0	0	0	0.372	0.151	0.225	0.106	0	0	0	0.079	0.33	0.304	0.336	0	0	0	0.164	0.326	0.307	0.336	0	0	0	0.164	0.326	0.167	0.311	0	0.066	0	0.274	0.292	0.146	0.262	0	0.072	0	0.29																														
18	40	62	84	106	128	6	18	40	62	84	106	128	6	18	40	62	84	106	128	6	18	40	62	84	106	128	6	18	40	62	84	106	128	6	18	40	62	84	106	128	6																														
0.341	0.109	0.061	0	0	0	0.222	0.071	0.309	0.253	0	0	0	0.163	0.146	0.233	0.274	0	0.06	0	0.206	0.146	0.233	0.271	0																																															

Aperture 10								Aperture 11								Aperture 12								Aperture 13								Aperture 14								Aperture 15							
Average Value of Time Sweep (W/g)								Average Value of Time Sweep (W/g)								Average Value of Time Sweep (W/g)								Average Value of Time Sweep (W/g)								Average Value of Time Sweep (W/g)								Average Value of Time Sweep (W/g)							
0	22	44	66	88	110	132	0	0.062	0.112	0.272	0	0	0	0	0.061	0.111	0.268	0	0	0	0.040	0.065	0	0.255	0	0	0	0.263	0	0	0	0	0	0.082	0.281	0.271	0	0	0								
1	23	45	67	89	111	133	1	0.083	0.086	0.121	0	0	0	0	0.088	0.08	0.122	0	0	0	0.067	0.101	0	0.066	0	0	0	0.086	0	0	0	0	0	0.106	0.051	0.122	0	0	0								
2	24	46	68	90	112	134	2	0.081	0.110	0.204	0	0	0	0	0.084	0.096	0.101	0	0	0	0.067	0.103	0	0.075	0	0	0	0.088	0	0	0	0	0	0.101	0.082	0.123	0	0	0								
3	25	47	69	91	113	135	3	0.097	0.125	0.117	0.153	0	0	0	0.061	0.128	0.111	0.153	0	0	0	0.113	0.065	0	0	0	0	0.071	0	0	0	0	0	0.076	0	0	0	0	0								
4	26	48	70	92	114	136	4	0.043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.052	0	0	0	0	0	0.059	0.066	0	0	0	0	0	0	0	0	0								
5	27	49	71	93	115	137	5	0.051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.053	0	0	0	0	0	0.094	0.075	0	0	0	0	0	0	0	0	0								
6	28	50	72	94	116	138	6	0.05	0	0	0	0	0	0	0	0	0.055	0	0	0	0	0.069	0	0.106	0	0	0	0.082	0.067	0	0	0	0	0	0	0.073	0	0	0								
7	29	51	73	95	117	139	7	0.077	0.052	0.144	0	0	0	0	0.081	0.056	0.146	0	0	0	0	0.117	0.117	0.052	0	0	0	0.054	0.059	0	0	0	0	0.096	0.074	0.138	0	0	0								
8	30	52	74	96	118	140	8	0.111	0.072	0.151	0	0	0	0	0.117	0.076	0.154	0	0	0	0	0.102	0.121	0.058	0	0	0	0	0.048	0	0	0	0	0.136	0.101	0.145	0	0	0								
9	31	53	75	97	119	141	9	0.044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
10	32	54	76	98	120	142	10	0.074	0.06	0	0	0	0	0	0.079	0.063	0	0	0	0	0.066	0.056	0	0	0	0	0.053	0	0	0	0	0	0.044	0.091	0	0	0	0	0								
11	33	55	77	99	121	143	11	0.055	0	0.040	0	0	0	0	0.066	0	0.051	0	0	0	0	0.046	0	0.047	0	0	0	0.04	0	0.041	0	0	0	0.05	0	0.049	0	0	0	0							
12	34	56	78	100	122	0	0	0.117	0.044	0.062	0	0	0	0.084	0.161	0.276	0.2	0.055	0	0	0.065	0.173	0.261	0.183	0.066	0	0	0.067	0.266	0.161	0.11	0	0	0	0.163	0.21	0.086	0.081	0	0	0.312	0.223	0.264	0.157	0	0	0.089
13	35	57	79	101	123	1	0.163	0	0	0	0	0.038	0.281	0.172	0.169	0	0	0	0.25	0.18	0.23	0.264	0	0	0	0.062	0.342	0.168	0.163	0	0	0	0.168	0.207	0.107	0.127	0	0	0	0.463	0.234	0.338	0.272	0.06	0	0.102	
14	36	58	80	102	124	2	0.143	0	0.091	0	0	0.0319	0.229	0.215	0.330	0.046	0	0	0.108	0.242	0.196	0.342	0.051	0.043	0.041	0.114	0.350	0.076	0.219	0	0	0	0.350	0.256	0	0.142	0	0	0	0.356	0.305	0.131	0.355	0.086	0.078	0.073	0.114
15	37	59	81	103	125	3	0.089	0	0.046	0	0	0.071	0.337	0	0.317	0	0	0	0.108	0.34	0.032	0.311	0	0	0	0.162	0.22	0.043	0.133	0	0	0	0.240	0.14	0	0.073	0	0	0	0.274	0.334	0	0.274	0	0	0.181	
16	38	60	82	104	126	4	0.284	0.023	0.168	0	0	0.0296	0.075	0.07	0.064	0	0	0.054	0.077	0.072	0.055	0	0	0.066	0.164	0.274	0.152	0	0	0	0.086	0.325	0.234	0.408	0	0.066	0	0.135	0.091	0.097	0.067	0	0	0.061			
17	39	61	83	105	127	5	0.112	0.063	0.072	0	0	0.0285	0.193	0.277	0.146	0	0	0.066	0.202	0.285	0.157	0	0	0.103	0.336	0.214	0.351	0	0.089	0	0.214	0.207	0.102	0.16	0	0	0	0.309	0.252	0.308	0.219	0	0	0.124			
18	40	62	84	106	128	6	0.287	0.089	0.043	0	0	0.147	0.087	0.304	0.322	0	0.055	0	0.211	0.092	0.305	0.305	0	0.063	0	0.227	0.216	0.175	0.151	0	0	0	0.31	0.329	0.124	0.074	0	0	0	0.276	0.115	0.263	0.303	0	0.091	0.291	
19	41	63	85	107	129	7	0.16	0.169	0	0	0	0.083	0.086	0.169	0.125	0	0	0.123	0.07	0.16	0.119	0	0	0.131	0.164	0.122	0.052	0	0	0	0.222	0.253	0.082	0	0	0	0	0.158	0.089	0.175	0.069	0	0	0.168			
20	42	64	86	108	130	8	0.046	0.046	0	0	0	0.074	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.064	0.063	0	0	0	0.059	0	0	0	0	0	0	0	0	0	0	0		
21	43	65	87	109	131	9	0.122	0.057	0.071	0	0	0.019	0.127	0.239	0.197	0	0	0	0.07	0.132	0.233	0.197	0	0	0	0.073	0.254	0.134	0.142	0	0	0	0.183	0.213	0.087	0.154	0	0	0	0.272	0.172	0.208	0.183	0.046	0	0.093	

RF exposure position											Aperture 00					
											Average Value of Time Sweep (W/kg)					
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	0	24	48	72	96	120	
GSM1900_LAT	GPRS(3 Tx slots)	Full Power	661	1880	N/A	N/A	Right Cheek	0mm	0.107	0	0	0.044	0.043	0.044	0	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	1	25	49	73	97	121	
CDMA2000 BC1_LAT	RC3-SCS6	Full Power	1175	1908.75	N/A	N/A	Right Cheek	0mm	0.176	0.043	0.1	0.062	0.097	0.107	0.088	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	2	26	50	74	98	122	
WCDMA II_LAT	RMC 12.2Kbps	Full Power	9538	1907.6	N/A	N/A	Right Cheek	0mm	0.245	0.065	0.129	0.094	0.13	0.065	0.118	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	3	27	51	75	99	123	
WCDMA IV_LAT	RMC 12.2Kbps	Full Power	1513	1752.6	N/A	N/A	Left Cheek	0mm	0.381	0.145	0.215	0.239	0.141	0.213	0.193	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	4	28	52	76	100	124	
LTE Band 25_LAT	QPSK	Full Power	26590	1905	1	0	Left Cheek	0mm	0.209	0.133	0.202	0.195	0.199	0.171	0.208	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	5	29	53	77	101	125	
LTE Band 66_LAT	QPSK	Full Power	132072	1770	1	0	Left Cheek	0mm	0.262	0.163	0.144	0.2	0.198	0.204	0.186	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	6	30	54	78	102	126	
LTE Band 7_LAT	QPSK	Full Power	21100	2535	1	99	Right Cheek	0mm	0.314	0.143	0.111	0.118	0.166	0.134	0.144	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	7	31	55	79	103	127	
LTE Band 41_LAT	QPSK	Full Power	40185	2548.5	1	49	Right Cheek	0mm	0.183	0.088	0.076	0.071	0.103	0.062	0.091	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	8	32	56	80	104	128	
N2_Ant3	PV2 BPSK	Full Power	380000	1900	50	28	Left Cheek	0mm	0.180	0.115	0.179	0.129	0.148	0.077	0.178	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	9	33	57	81	105	129	
N25_Ant3	PV2 BPSK	Full Power	381000	1905	50	28	Left Cheek	0mm	0.195	0.191	0.186	0.192	0.117	0.189	0.145	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	10	34	58	82	106	130	
N66_Ant3	PV2 BPSK	Full Power	344000	1720	1	53	Left Cheek	0mm	0.193	0.125	0.112	0.181	0.134	0.19	0.189	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	11	35	59	83	107	131	
N41_Ant3	PV2 BPSK	Full Power	509202	2546.01	1	1	Right Cheek	0mm	0.262	0	0	0	0	0	0	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	12	36	60	84	108	132	
GSM1900_LAT	GPRS(3 Tx slots)	Hotspot on	661	1880	N/A	N/A	Bottom Side	10mm	0.394	0.345	0.366	0.362	0.351	0.19	0.379	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	13	37	61	85	109	133	
CDMA2000 BC1_LAT	RTAP 153.6Kbps	Hotspot on	1175	1908.75	N/A	N/A	Bottom Side	10mm	0.642	0.549	0.575	0.613	0.551	0.463	0.621	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	14	38	62	86	110	134	
WCDMA II_LAT	RMC 12.2Kbps	Hotspot on	9538	1907.6	N/A	N/A	Bottom Side	10mm	0.447	0.42	0.391	0.441	0.394	0.375	0.43	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	15	39	63	87	111	135	
WCDMA IV_LAT	RMC 12.2Kbps	Hotspot on	1312	1712.4	N/A	N/A	Bottom Side	10mm	0.496	0.434	0.338	0.362	0.423	0.222	0.303	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	16	40	64	88	112	136	
LTE Band 25_LAT	20M-QPSK	Hotspot on	26590	1905	1	0	Bottom Side	10mm	0.471	0.453	0.278	0.439	0.292	0.423	0.429	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	17	41	65	89	113	137	
LTE Band 66_LAT	20M-QPSK	Hotspot on	132072	1720	1	0	Bottom Side	10mm	0.431	0.414	0.31	0.348	0.382	0.213	0.278	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	18	42	66	90	114	138	
LTE Band 7_LAT	20M-QPSK	Hotspot on	21350	2560	50	24	Back	10mm	0.416	0.365	0.371	0.412	0.345	0.38	0.359	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	19	43	67	91	115	139	
LTE Band 41_LAT	20M-QPSK	Hotspot on	41055	2636.5	50	50	Back	10mm	0.453	0.238	0.31	0.241	0.335	0.247	0.317	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	20	44	68	92	116	140	
N2_Ant3	PV2 BPSK	Hotspot on	380000	1900	50	28	Bottom Side	10mm	0.833	0.363	0.546	0.689	0.646	0.726	0.74	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	21	45	69	93	117	141	
N25_Ant3	PV2 BPSK	Hotspot on	381000	1905	1	53	Bottom Side	10mm	0.788	0.532	0.583	0.398	0.636	0.445	0.608	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	22	46	70	94	118	142	
N66_Ant3	PV2 BPSK	Hotspot on	344000	1720	50	28	Bottom Side	10mm	0.701	0.35	0.615	0.193	0.559	0.475	0.429	
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	23	47	71	95	119	143	
N41_Ant3	PV2 BPSK	Hotspot on	518598	2592.99	135	69	Back	10mm	0.465	0.244	0.2	0.153	0.199	0.243	0.18	

RF exposure position											Aperture 00						
											Average Value of Time Sweep (W/kg)						
Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	0	21	42	63	84	105	126	
										WWAN_Ant.3 Head	LTE Band 30_LAT	QPSK	Full Power	27710	2310	1	0
1	22	43	64	85	106	127											
0.107	0.159	0.162	0.083	0.156	0.137	0.112											
2	23	44	65	86	107	128											
0.134	0.17	0.166	0.108	0.165	0.13	0.138											
3	24	45	66	87	108	129											
0.154	0.168	0.074	0.122	0.168	0.095	0.147											
4	25	46	67	88	109	130											
0.162	0.166	0.112	0.129	0.162	0.132	0.15											
5	26	47	68	89	110	131											
0.171	0.158	0.139	0.133	0.155	0.154	0.148											
6	27	48	69	90	111	132											
0.168	0.042	0.153	0.132	0.076	0.166	0.145											
7	28	49	70	91	112	133											
0.169	0.071	0.16	0.129	0.095	0.168	0.142											
8	29	50	71	92	113	134											
0.164	0.1	0.162	0.123	0.124	0.167	0.133											
9	30	51	72	93	114	135											
0.067	0.122	0.159	0.073	0.144	0.163	0.055											
10	31	52	73	94	115	136											
0.107	0.134	0.156	0.114	0.153	0.162	0.086											
11	32	53	74	95	116	137											
0.14	0.152	0.148	0.141	0.161	0.157	0.109											
12	33	54	75	96	117	138											
0.162	0.153	0.074	0.159	0.16	0.077	0.121											
13	34	55	76	97	118	139											
0.165	0.152	0.111	0.166	0.156	0.116	0.124											
14	35	56	77	98	119	140											
0.171	0.145	0.138	0.171	0.147	0.139	0.125											
15	36	57	78	99	120	141											
0.169	0.095	0.152	0.168	0.042	0.152	0.122											
16	37	58	79	100	121	142											
0.172	0.093	0.155	0.173	0.069	0.156	0.117											
17	38	59	80	101	122	143											
0.149	0.158	0.156	0.167	0.096	0.155	0.111											
18	39	60	81	102	123												
0.099	0.172	0.153	0.06	0.114	0.151												
19	40	61	82	103	124												
0.085	0.161	0.151	0.096	0.125	0.146												
20	41	62	83	104	125												
0.126	0.168	0.142	0.127	0.138	0.135												

Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	0	21	42	63	84	105	126
										LTE Band 30_LAT	QPSK	Hotspot on	27710	2310	25	12
										1	22	43	64	85	106	127
										0.128	0.226	0.261	0.093	0.207	0.217	0.154
										2	23	44	65	86	107	128
										0.131	0.258	0.24	0.151	0.26	0.196	0.21
										3	24	45	66	87	108	129
										0.138	0.259	0.036	0.184	0.262	0.077	0.239
										4	25	46	67	88	109	130
										0.282	0.251	0.128	0.197	0.251	0.168	0.242
										5	26	47	68	89	110	131
										0.276	0.241	0.19	0.204	0.244	0.224	0.235
										6	27	48	69	90	111	132
										0.271	0.025	0.227	0.201	0.021	0.252	0.225
										7	28	49	70	91	112	133
										0.28	0.054	0.24	0.186	0.109	0.265	0.217
										8	29	50	71	92	113	134
										0.273	0.118	0.245	0.163	0.168	0.278	0.192
										9	30	51	72	93	114	135
										0.036	0.173	0.243	0.048	0.208	0.265	0.014
										10	31	52	73	94	115	136
										0.13	0.191	0.233	0.037	0.234	0.264	0.1
										11	32	53	74	95	116	137
										0.142	0.224	0.214	0.183	0.261	0.247	0.161
										12	33	54	75	96	117	138
										0.208	0.222	0.04	0.23	0.235	0.057	0.191
										13	34	55	76	97	118	139
										0.226	0.21	0.132	0.244	0.252	0.146	0.204
										14	35	56	77	98	119	140
										0.298	0.199	0.195	0.267	0.233	0.208	0.168
										15	36	57	78	99	120	141
										0.261	0.063	0.231	0.279	0.023	0.239	0.186
										16	37	58	79	100	121	142
										0.257	0.15	0.237	0.268	0.065	0.244	0.174
										17	38	59	80	101	122	143
										0.241	0.216	0.242	0.267	0.126	0.245	0.148
										18	39	60	81	102	123	
										0.011	0.239	0.237	0.019	0.17	0.236	
										19	40	61	82	103	124	
										0.089	0.254	0.223	0.128	0.2	0.225	
										20	41	62	83	104	125	
										0.161	0.272	0.214	0.166	0.215	0.208	