



TDD FR1 Par270 n77 PC3_TX 1 (Index5)

Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	21.5
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.51	19.75	19.53	21.5
100	PI/2 BPSK	1	137	19.56	19.56	19.57	
100	PI/2 BPSK	1	271	19.59	19.54	19.57	
100	PI/2 BPSK	135	0	20.03	20.09	19.88	21.5
100	PI/2 BPSK	135	69	19.91	19.53	19.55	21.5
100	PI/2 BPSK	135	138	20.01	19.55	19.54	21.5
100	PI/2 BPSK	270	0	19.63	19.51	19.58	
100	QPSK	1	1	19.54	19.58	19.56	21.5
100	QPSK	1	137	19.52	19.70	19.66	
100	QPSK	1	271	19.59	19.51	19.58	
100	QPSK	135	0	20.02	20.07	19.54	21.5
100	QPSK	135	69	19.60	19.53	19.95	
100	QPSK	135	138	19.94	19.58	19.55	
100	QPSK	270	0	19.51	19.53	19.55	21.5
100	16QAM	1	1	19.50	19.54	19.91	21.5
100	64QAM	1	1	19.65	19.67	19.88	21.5
100	256QAM	1	1	19.54	19.59	19.68	21.2
Channel				649668	656000	662332	21.5
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.67	19.55	19.57	21.5
Channel				649334	656000	662666	21.5
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.72	19.69	19.56	21.5
Channel				649000	656000	663000	21.5
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.60	19.69	19.58	21.5
Channel				648668	656000	663332	21.5
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.67	19.56	19.72	21.5
Channel				648334	656000	663666	21.5
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.71	19.68	19.63	21.5
Channel				648000	656000	664000	21.5
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.70	19.75	19.54	21.5
Channel				647668	656000	664332	21.5
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.75	19.75	19.72	21.5
Channel				647500	656000	664500	21.5
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	19.64	19.72	19.71	21.5
Channel				647334	656000	664666	21.5
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.67	19.64	19.60	21.5
Channel				647168	656000	664832	21.5
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.56	19.58	19.60	21.5
Channel				647000	656000	665000	21.5
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.64	19.61	19.55	21.5



TDD FR1 Par270 n77 PC3_TX 1 (Index4/6)

Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	20.3
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.51	19.75	19.53	20.3
100	PI/2 BPSK	1	137	19.56	19.56	19.57	
100	PI/2 BPSK	1	271	19.59	19.54	19.57	
100	PI/2 BPSK	135	0	20.03	20.09	19.88	20.3
100	PI/2 BPSK	135	69	19.91	19.53	19.55	20.3
100	PI/2 BPSK	135	138	20.01	19.55	19.54	20.3
100	PI/2 BPSK	270	0	19.63	19.51	19.58	
100	QPSK	1	1	19.54	19.58	19.56	20.3
100	QPSK	1	137	19.52	19.70	19.66	
100	QPSK	1	271	19.59	19.51	19.58	
100	QPSK	135	0	20.02	20.07	19.54	20.3
100	QPSK	135	69	19.60	19.53	19.95	
100	QPSK	135	138	19.94	19.58	19.55	
100	QPSK	270	0	19.51	19.53	19.55	20.3
100	16QAM	1	1	19.50	19.54	19.91	20.3
100	64QAM	1	1	19.65	19.67	19.88	20.3
100	256QAM	1	1	19.54	19.59	19.68	20.0
Channel				649668	656000	662332	20.3
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.67	19.55	19.57	20.3
Channel				649334	656000	662666	20.3
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.72	19.69	19.56	20.3
Channel				649000	656000	663000	20.3
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.60	19.69	19.58	20.3
Channel				648668	656000	663332	20.3
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.67	19.56	19.72	20.3
Channel				648334	656000	663666	20.3
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.71	19.68	19.63	20.3
Channel				648000	656000	664000	20.3
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.70	19.75	19.54	20.3
Channel				647668	656000	664332	20.3
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.75	19.75	19.72	20.3
Channel				647500	656000	664500	20.3
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	19.64	19.72	19.71	20.3
Channel				647334	656000	664666	20.3
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.67	19.64	19.60	20.3
Channel				647168	656000	664832	20.3
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.56	19.58	19.60	20.3
Channel				647000	656000	665000	20.3
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.64	19.61	19.55	20.3



TDD FR1 Par270 n77 PC3_TX 1 (Index5/6)

Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	24.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.65	22.68	22.62	24.0
100	PI/2 BPSK	1	137	22.02	22.05	22.04	
100	PI/2 BPSK	1	271	22.00	22.09	22.07	
100	PI/2 BPSK	135	0	21.84	21.91	21.87	23.5
100	PI/2 BPSK	135	69	22.06	22.10	22.16	24.0
100	PI/2 BPSK	135	138	21.58	21.52	21.51	23.5
100	PI/2 BPSK	270	0	21.56	21.56	21.56	
100	QPSK	1	1	22.57	22.65	22.58	24.0
100	QPSK	1	137	22.16	22.05	22.05	
100	QPSK	1	271	22.08	22.06	22.11	
100	QPSK	135	0	22.19	22.10	22.05	24.0
100	QPSK	135	69	22.05	22.09	22.14	
100	QPSK	135	138	22.07	22.05	22.16	
100	QPSK	270	0	21.02	21.06	21.10	23.0
100	16QAM	1	1	21.60	21.66	21.63	23.0
100	64QAM	1	1	20.12	20.15	20.15	21.5
100	256QAM	1	1	18.04	18.07	17.98	19.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.59	22.63	22.57	24.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.45	22.51	22.50	24.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.58	22.48	22.49	24.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.62	22.57	22.48	24.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.62	22.63	22.55	24.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.46	22.64	22.56	24.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	22.53	22.57	22.44	24.0
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	22.59	22.56	22.59	24.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.64	22.49	22.62	24.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.55	22.58	22.56	24.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.65	22.64	22.61	24.0



TDD FR1 Par270 n77 PC2_TX 1 (Index5/6)

Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	26.5
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.75	25.59	25.62	26.5
100	PI/2 BPSK	1	137	24.92	25.10	24.78	
100	PI/2 BPSK	1	271	24.88	25.02	24.56	25.5
100	PI/2 BPSK	135	0	24.73	24.92	24.49	26.0
100	PI/2 BPSK	135	69	24.95	25.11	24.78	26.5
100	PI/2 BPSK	135	138	24.43	24.41	24.15	26.0
100	PI/2 BPSK	270	0	24.54	24.59	24.31	
100	QPSK	1	1	25.72	25.61	25.64	26.5
100	QPSK	1	137	24.93	25.08	24.72	
100	QPSK	1	271	24.92	25.03	24.58	26.5
100	QPSK	135	0	24.51	24.53	24.52	
100	QPSK	135	69	24.92	25.12	24.78	26.5
100	QPSK	135	138	24.51	24.52	24.51	
100	QPSK	270	0	24.03	24.11	23.82	25.5
100	16QAM	1	1	24.83	24.65	24.66	25.5
100	64QAM	1	1	23.23	23.12	23.17	24.0
100	256QAM	1	1	21.27	21.16	21.23	22.0
Channel				649668	656000	662332	26.5
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.55	25.59	25.50	26.5
Channel				649334	656000	662666	
Frequency (MHz)				3740.01	3840	3939.99	26.5
80	PI/2 BPSK	1	1	25.71	25.51	25.62	
Channel				649000	656000	663000	26.5
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.67	25.43	25.61	26.5
Channel				648668	656000	663332	
Frequency (MHz)				3730.02	3840	3949.98	26.5
60	PI/2 BPSK	1	1	25.74	25.51	25.60	
Channel				648334	656000	663666	26.5
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.69	25.50	25.51	26.5
Channel				648000	656000	664000	
Frequency (MHz)				3720	3840	3960	26.5
40	PI/2 BPSK	1	1	25.73	25.42	25.47	
Channel				647668	656000	664332	26.5
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.71	25.51	25.52	26.5
Channel				647500	656000	664500	
Frequency (MHz)				3712.5	3840.00	3967.50	26.5
25	PI/2 BPSK	1	1	25.69	25.50	25.53	
Channel				647334	656000	664666	26.5
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.60	25.39	25.52	26.5
Channel				647168	656000	664832	
Frequency (MHz)				3707.52	3840	3972.48	26.5
15	PI/2 BPSK	1	1	25.57	25.49	25.50	
Channel				647000	656000	665000	26.5
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.59	25.41	25.45	26.5



TDD FR1 Par27Q n77 PC3_TX 0 (Index5)

Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633334	633332	633332	23.5
Frequency (MHz)				3500.01	3499.98	3499.98	
100	PI/2 BPSK	1	1		21.98		23.5
100	PI/2 BPSK	1	137		21.81		
100	PI/2 BPSK	1	271		21.51		
100	PI/2 BPSK	135	0		21.81		23.5
100	PI/2 BPSK	135	69		21.75		23.5
100	PI/2 BPSK	135	138		21.78		23.5
100	PI/2 BPSK	270	0		21.83		
100	QPSK	1	1		21.97		23.5
100	QPSK	1	137		21.70		
100	QPSK	1	271		21.50		
100	QPSK	135	0		21.81		23.5
100	QPSK	135	69		21.73		
100	QPSK	135	138		21.74		
100	QPSK	270	0		21.45		23.1
100	16QAM	1	1		21.97		23.1
100	64QAM	1	1		21.15		21.6
100	256QAM	1	1		19.46		19.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	23.5
90	PI/2 BPSK	1	1	21.96	21.95	21.87	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	23.5
80	PI/2 BPSK	1	1	21.90	21.85	21.79	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	23.5
70	PI/2 BPSK	1	1	21.83	21.78	21.94	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	23.5
60	PI/2 BPSK	1	1	21.78	21.94	21.91	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	23.5
50	PI/2 BPSK	1	1	21.95	21.91	21.78	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	23.5
40	PI/2 BPSK	1	1	21.97	21.95	21.95	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	23.5
30	PI/2 BPSK	1	1	21.97	21.96	21.81	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	23.5
25	PI/2 BPSK	1	1	21.88	21.91	21.85	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	23.5
20	PI/2 BPSK	1	1	21.88	21.96	21.91	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	23.5
15	PI/2 BPSK	1	1	21.89	21.92	21.87	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	23.5
10	PI/2 BPSK	1	1	21.94	21.93	21.84	



TDD FR1 Par27Q n77 PC2_TX 0 (Index5)

Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633334	633332	633332	26.5
Frequency (MHz)				3500.01	3499.98	3499.98	
100	PI/2 BPSK	1	1		24.49		26.5
100	PI/2 BPSK	1	137		23.89		
100	PI/2 BPSK	1	271		23.86		
100	PI/2 BPSK	135	0		24.00		26.5
100	PI/2 BPSK	135	69		23.92		26.5
100	PI/2 BPSK	135	138		23.92		26.5
100	PI/2 BPSK	270	0		24.00		
100	QPSK	1	1		24.47		26.5
100	QPSK	1	137		23.85		
100	QPSK	1	271		23.84		
100	QPSK	135	0		23.99		26.5
100	QPSK	135	69		23.90		
100	QPSK	135	138		23.97		
100	QPSK	270	0		24.02		26.1
100	16QAM	1	1		24.40		26.1
100	64QAM	1	1		23.88		24.6
100	256QAM	1	1		21.93		22.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.30	24.38	24.36	26.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.37	24.47	24.47	26.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.45	24.46	24.46	26.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.34	24.36	24.44	26.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.39	24.32	24.40	26.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.35	24.31	24.33	26.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.29	24.29	24.32	26.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.48	24.43	24.35	26.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.38	24.31	24.36	26.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.34	24.45	24.34	26.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.42	24.45	24.42	26.5



TDD FR1 Par27Q n77 PC3_TX 0 (Index6)

Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633334	633332	633332	22.3
Frequency (MHz)				3500.01	3499.98	3499.98	
100	PI/2 BPSK	1	1		21.98		22.3
100	PI/2 BPSK	1	137		21.81		
100	PI/2 BPSK	1	271		21.51		
100	PI/2 BPSK	135	0		21.81		22.3
100	PI/2 BPSK	135	69		21.75		22.3
100	PI/2 BPSK	135	138		21.78		22.3
100	PI/2 BPSK	270	0		21.83		
100	QPSK	1	1		21.97		22.3
100	QPSK	1	137		21.70		
100	QPSK	1	271		21.50		
100	QPSK	135	0		21.81		22.3
100	QPSK	135	69		21.73		
100	QPSK	135	138		21.74		
100	QPSK	270	0		21.45		22.3
100	16QAM	1	1		21.97		22.3
100	64QAM	1	1		21.15		21.6
100	256QAM	1	1		19.46		19.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	22.3
90	PI/2 BPSK	1	1	21.96	21.95	21.87	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	22.3
80	PI/2 BPSK	1	1	21.90	21.85	21.79	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	22.3
70	PI/2 BPSK	1	1	21.83	21.78	21.94	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	22.3
60	PI/2 BPSK	1	1	21.78	21.94	21.91	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	22.3
50	PI/2 BPSK	1	1	21.95	21.91	21.78	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	22.3
40	PI/2 BPSK	1	1	21.97	21.95	21.95	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	22.3
30	PI/2 BPSK	1	1	21.97	21.96	21.81	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	22.3
25	PI/2 BPSK	1	1	21.88	21.91	21.85	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	22.3
20	PI/2 BPSK	1	1	21.88	21.96	21.91	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	22.3
15	PI/2 BPSK	1	1	21.89	21.92	21.87	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	22.3
10	PI/2 BPSK	1	1	21.94	21.93	21.84	



TDD FR1 Par27Q n77 PC2_TX 0 (Index6)

Ant 6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633334	633332	633332	25.3
Frequency (MHz)				3500.01	3499.98	3499.98	
100	PI/2 BPSK	1	1		24.49		25.3
100	PI/2 BPSK	1	137		23.89		
100	PI/2 BPSK	1	271		23.86		
100	PI/2 BPSK	135	0		24.00		25.3
100	PI/2 BPSK	135	69		23.92		25.3
100	PI/2 BPSK	135	138		23.92		25.3
100	PI/2 BPSK	270	0		24.00		
100	QPSK	1	1		24.47		25.3
100	QPSK	1	137		23.85		
100	QPSK	1	271		23.84		
100	QPSK	135	0		23.99		25.3
100	QPSK	135	69		23.90		
100	QPSK	135	138		23.97		
100	QPSK	270	0		24.02		25.3
100	16QAM	1	1		24.40		25.3
100	64QAM	1	1		23.88		24.6
100	256QAM	1	1		21.93		22.6
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.30	24.38	24.36	25.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.37	24.47	24.47	25.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.45	24.46	24.46	25.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.34	24.36	24.44	25.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.39	24.32	24.40	25.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.35	24.31	24.33	25.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.29	24.29	24.32	25.3
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.48	24.43	24.35	25.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.38	24.31	24.36	25.3
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.34	24.45	24.34	25.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.42	24.45	24.42	25.3



TDD FR1 Par27Q n77 PC3_TX 0 (Index5)

Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633334	633332	633332	22.0
Frequency (MHz)				3500.01	3499.98	3499.98	
100	PI/2 BPSK	1	1		20.51		22.0
100	PI/2 BPSK	1	137		20.32		
100	PI/2 BPSK	1	271		20.21		
100	PI/2 BPSK	135	0		20.62		22.0
100	PI/2 BPSK	135	69		20.26		22.0
100	PI/2 BPSK	135	138		20.06		22.0
100	PI/2 BPSK	270	0		20.02		
100	QPSK	1	1		20.48		22.0
100	QPSK	1	137		20.29		
100	QPSK	1	271		20.21		
100	QPSK	135	0		20.61		22.0
100	QPSK	135	69		20.18		
100	QPSK	135	138		20.00		
100	QPSK	270	0		20.02		22.0
100	16QAM	1	1		20.47		22.0
100	64QAM	1	1		20.41		22.0
100	256QAM	1	1		20.35		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.49	20.47	20.50	22.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.49	20.44	20.44	22.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.47	20.41	20.41	22.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.51	20.45	20.43	22.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.51	20.47	20.47	22.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.42	20.51	20.42	22.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.47	20.46	20.42	22.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.51	20.46	20.46	22.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.48	20.43	20.44	22.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.45	20.42	20.48	22.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.49	20.42	20.43	22.0



TDD FR1 Par27Q n77 PC3_TX 0 (Index4/6)

Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633334	633332	633332	20.8
Frequency (MHz)				3500.01	3499.98	3499.98	
100	PI/2 BPSK	1	1		20.51		20.8
100	PI/2 BPSK	1	137		20.32		
100	PI/2 BPSK	1	271		20.21		
100	PI/2 BPSK	135	0		20.62		20.8
100	PI/2 BPSK	135	69		20.26		20.8
100	PI/2 BPSK	135	138		20.06		20.8
100	PI/2 BPSK	270	0		20.02		
100	QPSK	1	1		20.48		20.8
100	QPSK	1	137		20.29		
100	QPSK	1	271		20.21		
100	QPSK	135	0		20.61		20.8
100	QPSK	135	69		20.18		
100	QPSK	135	138		20.00		
100	QPSK	270	0		20.02		20.8
100	16QAM	1	1		20.47		20.8
100	64QAM	1	1		20.41		20.8
100	256QAM	1	1		20.35		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	20.8
90	PI/2 BPSK	1	1	20.49	20.47	20.50	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	20.8
80	PI/2 BPSK	1	1	20.49	20.44	20.44	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	20.8
70	PI/2 BPSK	1	1	20.47	20.41	20.41	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	20.8
60	PI/2 BPSK	1	1	20.51	20.45	20.43	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	20.8
50	PI/2 BPSK	1	1	20.51	20.47	20.47	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	20.8
40	PI/2 BPSK	1	1	20.42	20.51	20.42	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	20.8
30	PI/2 BPSK	1	1	20.47	20.46	20.42	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	20.8
25	PI/2 BPSK	1	1	20.51	20.46	20.46	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	20.8
20	PI/2 BPSK	1	1	20.48	20.43	20.44	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	20.8
15	PI/2 BPSK	1	1	20.45	20.42	20.48	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	20.8
10	PI/2 BPSK	1	1	20.49	20.42	20.43	



TDD FR1 Par27Q n77 PC3_TX 1 (Index5)

Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633334	633332	633332	21.5
Frequency (MHz)				3500.01	3499.98	3499.98	
100	PI/2 BPSK	1	1		19.67		21.5
100	PI/2 BPSK	1	137		19.58		
100	PI/2 BPSK	1	271		19.55		
100	PI/2 BPSK	135	0		20.22		21.5
100	PI/2 BPSK	135	69		19.61		21.5
100	PI/2 BPSK	135	138		19.54		21.5
100	PI/2 BPSK	270	0		19.59		
100	QPSK	1	1		19.56		21.5
100	QPSK	1	137		19.55		
100	QPSK	1	271		19.58		
100	QPSK	135	0		20.06		21.5
100	QPSK	135	69		19.86		
100	QPSK	135	138		19.90		
100	QPSK	270	0		19.55		21.5
100	16QAM	1	1		19.66		21.5
100	64QAM	1	1		19.60		21.5
100	256QAM	1	1		19.39		21.2
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.51	19.67	19.60	21.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.67	19.55	19.56	21.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.59	19.68	19.63	21.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.56	19.59	19.73	21.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.65	19.55	19.60	21.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.56	19.61	19.69	21.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.56	19.65	19.64	21.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.65	19.72	19.55	21.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.58	19.56	19.54	21.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.55	19.74	19.61	21.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.72	19.72	19.66	21.5



TDD FR1 Par27Q n77 PC3_TX 1 (Index4/6)

Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633334	633332	633332	20.3
Frequency (MHz)				3500.01	3499.98	3499.98	
100	PI/2 BPSK	1	1		19.67		20.3
100	PI/2 BPSK	1	137		19.58		
100	PI/2 BPSK	1	271		19.55		
100	PI/2 BPSK	135	0		20.22		20.3
100	PI/2 BPSK	135	69		19.61		20.3
100	PI/2 BPSK	135	138		19.54		20.3
100	PI/2 BPSK	270	0		19.59		
100	QPSK	1	1		19.56		20.3
100	QPSK	1	137		19.55		
100	QPSK	1	271		19.58		
100	QPSK	135	0		20.06		20.3
100	QPSK	135	69		19.86		
100	QPSK	135	138		19.90		
100	QPSK	270	0		19.55		20.3
100	16QAM	1	1		19.66		20.3
100	64QAM	1	1		19.60		20.3
100	256QAM	1	1		19.39		20.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.51	19.67	19.60	20.3
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.67	19.55	19.56	20.3
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.59	19.68	19.63	20.3
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.56	19.59	19.73	20.3
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.65	19.55	19.60	20.3
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.56	19.61	19.69	20.3
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.56	19.65	19.64	20.3
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.65	19.72	19.55	20.3
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.58	19.56	19.54	20.3
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.55	19.74	19.61	20.3
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.72	19.72	19.66	20.3



TDD FR1 Par27Q n77 PC3_TX 1 (Index5/6)

Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633334	633332	633332	24.0
Frequency (MHz)				3500.01	3499.98	3499.98	
100	PI/2 BPSK	1	1		23.10		24.0
100	PI/2 BPSK	1	137		22.34		
100	PI/2 BPSK	1	271		22.81		
100	PI/2 BPSK	135	0		22.04		23.5
100	PI/2 BPSK	135	69		22.35		24.0
100	PI/2 BPSK	135	138		21.87		23.5
100	PI/2 BPSK	270	0		22.04		
100	QPSK	1	1		23.06		24.0
100	QPSK	1	137		22.35		
100	QPSK	1	271		22.77		
100	QPSK	135	0		22.17		24.0
100	QPSK	135	69		22.30		
100	QPSK	135	138		22.15		
100	QPSK	270	0		21.51		23.0
100	16QAM	1	1		22.15		23.0
100	64QAM	1	1		20.58		21.5
100	256QAM	1	1		18.65		19.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.90	23.09	23.07	24.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.99	23.05	22.96	24.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.94	23.06	22.94	24.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.95	22.94	23.01	24.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.09	22.91	22.94	24.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.92	23.07	22.90	24.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.98	22.90	23.08	24.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.05	22.93	23.06	24.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.07	22.92	22.97	24.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.04	23.01	23.09	24.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.03	22.99	23.06	24.0



TDD FR1 Par27Q n77 PC2_TX 1 (Index5/6)

Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633334	633332	633332	26.5
Frequency (MHz)				3500.01	3499.98	3499.98	
100	PI/2 BPSK	1	1		26.20		26.0
100	PI/2 BPSK	1	137		25.45		
100	PI/2 BPSK	1	271		25.95		
100	PI/2 BPSK	135	0		25.23		26.5
100	PI/2 BPSK	135	69		25.50		
100	PI/2 BPSK	135	138		25.08		26.0
100	PI/2 BPSK	270	0		25.17		
100	QPSK	1	1		26.15		
100	QPSK	1	137		25.48		26.5
100	QPSK	1	271		26.00		
100	QPSK	135	0		24.82		
100	QPSK	135	69		25.51		26.5
100	QPSK	135	138		24.79		
100	QPSK	270	0		24.65		
100	16QAM	1	1		25.24		25.5
100	64QAM	1	1		23.60		24.0
100	256QAM	1	1		21.63		22.0
Channel				633000	633332	633666	26.5
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.01	26.08	26.15	26.5
Channel				632668	633332	634000	
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.15	26.10	26.13	26.5
Channel				632334	633332	634332	
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.19	26.17	26.14	26.5
Channel				632000	633332	634666	
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	26.03	26.00	26.03	26.5
Channel				631668	633332	635000	
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.19	26.15	26.15	26.5
Channel				631334	633332	635332	
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.11	26.11	26.16	26.5
Channel				631000	633332	635666	
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.15	26.02	26.11	26.5
Channel				630834	633332	635832	
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	26.13	26.06	26.13	26.5
Channel				630668	633332	636000	
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.17	26.13	26.09	26.5
Channel				630500	633332	636166	
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.00	26.07	26.05	26.5
Channel				630334	633332	636332	
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.07	26.10	26.02	26.5



WLAN Power Index 1

2.4GHz WLAN				Ant 4+3(4)			Ant 4+3(3)			Ant 4+3			
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
	2.4GHz WLAN	802.11b 1Mbps	1	2412	18.35	19.50	98.90	20.85	22.00	98.90			
6			2437	18.45	19.50	20.85		22.00					
11			2462	18.35	19.50	20.95		22.00					
12			2467	18.35	19.50	20.50		22.00					
13			2472	18.35	19.50	19.80		20.00					
802.11g 6Mbps		1	2412	18.25	19.00	93.40	18.25	19.00	93.40	21.26	22.00	93.40	
		6	2437	18.65	19.00		18.25	19.00		21.46	22.00		
		11	2462	18.15	19.00		18.65	19.00		21.42	22.00		
		12	2467	15.00	15.50		15.20	15.50		18.11	18.50		
		13	2472	12.90	13.00		12.80	13.00		15.86	16.00		
802.11n-HT20 MCS0		1	2412	Not Required	19.00	Not Required	Not Required	19.00	Not Required	Not Required	Not Required	22.00	Not Required
		6	2437		19.00			19.00				22.00	
		11	2462		19.00			19.00				22.00	
		12	2467		14.50			14.50				17.50	
		13	2472		12.00			12.00				15.00	
802.11ac-VHT20 MCS0		1	2412	Not Required	19.00	Not Required	Not Required	19.00	Not Required	Not Required	Not Required	22.00	Not Required
		6	2437		19.00			19.00				22.00	
		11	2462		19.00			19.00				22.00	
		12	2467		14.50			14.50				17.50	
		13	2472		12.00			12.00				15.00	
802.11ax-HE20 MCS0	1	2412	Not Required	19.00	Not Required	Not Required	19.00	Not Required	Not Required	Not Required	22.00	Not Required	
	6	2437		19.00			19.00				22.00		
	11	2462		19.00			19.00				22.00		
	12	2467		15.00			15.00				18.00		
	13	2472		12.00			12.00				15.00		



5.2GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	20.00	Not Required	Not Required	Not Required	Not Required	Not Required	23.00	Not Required
		40	5200		20.00						23.00	
		44	5220		20.00						23.00	
		48	5240		20.00						23.00	
	802.11n- HT20 MCS0	36	5180		20.00						23.00	
		40	5200		20.00						23.00	
		44	5220		20.00						23.00	
		48	5240		20.00						23.00	
	802.11n- HT40 MCS0	38	5190		16.00						19.00	
		46	5230		20.00						23.00	
	802.11ac- VHT20 MCS0	36	5180		20.00						23.00	
		40	5200		20.00						23.00	
		44	5220		20.00						23.00	
		48	5240		20.00						23.00	
	802.11ac- VHT40 MCS0	38	5190		16.00						19.00	
		46	5230		20.00						23.00	
	802.11ac- VHT80 MCS0	42	5210		16.00						19.00	
	802.11ax- HE20 MCS0	36	5180		20.00						23.00	
		40	5200		20.00						23.00	
		44	5220		20.00						23.00	
48		5240	20.00	23.00								
802.11ax- HE40 MCS0	38	5190	16.50	19.50								
	46	5230	20.00	23.00								
802.11ax- HE80 MCS0	42	5210	16.00	19.00								



5.3GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
802.11a 6Mbps	52	5260	19.45	20.00	93.50	19.35	20.00	93.50	22.41	23.00	93.50				
	56	5280	19.35	20.00		19.45	20.00		22.41	23.00					
	60	5300	19.35	20.00		19.45	20.00		22.41	23.00					
	64	5320	19.35	20.00		19.35	20.00		22.36	23.00					
802.11n-HT20 MCS0	52	5260	Not Required	20.00	Not Required	Not Required	20.00	Not Required	Not Required	23.00	Not Required				
	56	5280		20.00			20.00								
	60	5300		20.00			20.00								
	64	5320		20.00			20.00								
802.11n-HT40 MCS0	54	5270	19.60	20.00	86.84	19.25	20.00	86.84	22.44	23.00	86.84				
	62	5310	16.10	16.50		15.85	16.50		18.99	19.50					
802.11ac- VHT20 MCS0	52	5260	Not Required	20.00	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	23.00	Not Required			
	56	5280		20.00							20.00				
	60	5300		20.00							20.00				
	64	5320		20.00							20.00				
802.11ac- VHT40 MCS0	54	5270		20.00							20.00		16.50	16.50	19.50
	62	5310		16.50							16.50		16.50	16.50	19.50
802.11ac- VHT80 MCS0	58	5290		16.50							16.50		16.50	16.50	19.50
802.11ac- VHT160 MCS0	50	5250		16.50							16.50		16.50	16.50	19.50
802.11ax- HE20 MCS0	52	5260		20.00							20.00		23.00		
	56	5280		20.00							20.00		23.00		
	60	5300		20.00							20.00		23.00		
	64	5320		20.00							20.00		23.00		
802.11ax- HE40 MCS0	54	5270		20.00							20.00		23.00		
	62	5310		16.50							16.50		19.50		
802.11ax- HE80 MCS0	58	5290	16.50	16.50	19.50										
802.11ax- HE160 MCS0	50	5250	16.50	16.50	19.50										



5.5GHz WLAN				Ant 4+8(4)		Ant 4+8(8)		Ant 4+8		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	19.00	19.50	19.00	19.50	22.01	22.50	93.50	
	116	5580	17.20	18.00	17.00	18.00	20.11	21.00		
	124	5620	15.80	16.50	16.40	16.50	19.30	19.50		
	132	5660	15.80	16.50	16.30	16.50	19.20	19.50		
	140	5700	15.50	16.00	15.40	16.00	18.46	19.00		
	144	5720	15.50	16.00	15.50	16.00	18.51	19.00		
802.11n-HT20 MCS0	100	5500	Not Required	19.50	Not Required	19.50	Not Required	22.50	Not Required	
	116	5580		17.00		17.00		20.00		
	124	5620		16.50		16.50		19.50		
	132	5660		16.50		16.50		19.50		
	140	5700		16.50		16.50		19.50		
	144	5720		16.50		16.50		19.50		
802.11n-HT40 MCS0	102	5510	16.50	16.50	16.40	16.50	19.46	19.50	86.84	
	110	5550	18.50	19.00	18.50	19.00	21.51	22.00		
	126	5630	18.60	19.50	19.50	19.50	22.08	22.50		
	134	5670	17.00	18.00	17.45	18.00	20.24	21.00		
	142	5710	16.10	18.00	16.45	18.00	19.29	21.00		
802.11ac-VHT20 MCS0	100	5500	Not Required	19.50	Not Required	19.50	Not Required	22.50	Not Required	
	116	5580		17.00		17.00		20.00		
	124	5620		16.50		16.50		19.50		
	132	5660		16.50		16.50		19.50		
	140	5700		16.50		16.50		19.50		
	144	5720		16.00		16.00		19.00		
802.11ac-VHT40 MCS0	102	5510	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required	
	110	5550		19.00		19.00		22.00		
	126	5630		19.50		19.50		22.50		
	134	5670		18.00		18.00		21.00		
	142	5710		18.00		18.00		21.00		
802.11ac-VHT80 MCS0	106	5530	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required	
	122	5610		19.00		19.00		22.00		
	138	5690		19.00		19.00		22.00		
802.11ac-VHT160 MCS0	114	5570	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required	
802.11ax-HE20 MCS0	100	5500	Not Required	19.50	Not Required	19.50	Not Required	22.50	Not Required	
	116	5580		17.50		17.50		20.50		
	124	5620		16.50		16.50		19.50		
	132	5660		16.50		16.50		19.50		
	140	5700		16.50		16.50		19.50		
	144	5720		16.50		16.50		19.50		
802.11ax-HE40 MCS0	102	5510	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required	
	110	5550		19.50		19.50		22.50		
	126	5630		19.50		19.50		22.50		
	134	5670		18.00		18.00		21.00		
	142	5710		18.00		18.00		21.00		
802.11ax-HE80 MCS0	106	5530	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required	
	122	5610		19.00		19.00		22.00		
	138	5690		19.00		19.00		22.00		
802.11ax-HE160 MCS0	114	5570	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required	



5.8GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8		
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	Not Required	15.00	Not Required	Not Required	20.00	Not Required	Not Required	21.19	Not Required
		157	5785		15.00			20.00			21.19	
		165	5825		15.00			20.00			21.19	
	802.11n-HT20 MCS0	149	5745	Not Required	15.00	Not Required	Not Required	20.00	Not Required	Not Required	21.19	Not Required
		157	5785		15.00			20.00			21.19	
		165	5825		15.00			20.00			21.19	
	802.11n-HT40 MCS0	151	5755	15.10	16.00	86.84	20.00	20.00	86.84	21.22	21.46	86.84
		159	5795	15.60	16.00		20.00	20.00		21.35	21.46	
	802.11ac- VHT20 MCS0	149	5745	Not Required	15.50	Not Required	Not Required	20.00	Not Required	Not Required	21.32	Not Required
		157	5785		15.50			20.00			21.32	
		165	5825		15.50			20.00			21.32	
	802.11ac- VHT40 MCS0	151	5755	Not Required	16.00	Not Required	Not Required	20.00	Not Required	Not Required	21.46	Not Required
		159	5795		16.00			20.00			21.46	
802.11ac- VHT80 MCS0	155	5775	17.10	18.00	88.10	20.00	20.00	88.10	21.80	22.12	88.10	
802.11ax- HE20 MCS0	149	5745	Not Required	15.00	Not Required	Not Required	20.00	Not Required	Not Required	21.19	Not Required	
	157	5785		15.00			20.00			21.19		
	165	5825		15.00			20.00			21.19		
802.11ax- HE40 MCS0	151	5755	Not Required	16.00	Not Required	Not Required	20.00	Not Required	Not Required	21.46	Not Required	
	159	5795		16.00			20.00			21.46		
802.11ax- HE80 MCS0	155	5775	Not Required	18.00	Not Required	Not Required	20.00	Not Required	Not Required	22.12	Not Required	



	UNII 4 WLAN			Ant 4+8(4)			Ant 4+8(8)			Ant 4+8		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.9GHz WLAN	802.11a 6Mbps	169	5845	Not Required	18.50	Not Required	Not Required	18.50	Not Required	Not Required	21.50	Not Required
		173	5865		18.50			21.50				
		177	5885		18.50			21.50				
	802.11n-HT20 MCS0	169	5845	Not Required	18.50	Not Required	Not Required	18.50	Not Required	Not Required	21.50	Not Required
		173	5865		18.50			21.50				
		177	5885		18.50			21.50				
	802.11n-HT40 MCS0	167	5835	17.70	18.50	96.79	18.20	18.50	96.79	23.47	21.50	96.79
		175	5875	17.60	18.50		18.10	18.50		23.37	21.50	
	802.11ac-VHT20 MCS0	169	5845	Not Required	18.50	Not Required	Not Required	18.50	Not Required	Not Required	21.50	Not Required
		173	5865		18.50			21.50				
		177	5885		18.50			21.50				
	802.11ac-VHT40 MCS0	167	5835	Not Required	18.50	Not Required	Not Required	18.50	Not Required	Not Required	21.50	Not Required
		175	5875		18.50			21.50				
	802.11ac-VHT80 MCS0	171	5855	Not Required	18.00	Not Required	Not Required	18.00	Not Required	Not Required	21.00	Not Required
	802.11ac-VHT160 MCS0	163	5815		18.00			21.00				
	802.11ax-HE20 MCS0	169	5845		18.50			21.50				
		173	5865		18.50			21.50				
		177	5885		18.50			21.50				
	802.11ax-HE40 MCS0	167	5835		18.50			21.50				
		175	5875		18.50			21.50				
802.11ax-HE80 MCS0	171	5855	18.00		21.00							
802.11ax-HE160 MCS0	163	5815	18.00		21.00							



WiFi 6E				Ant 4			Ant 8			Ant 4+8								
WiFi 6E	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %						
	WiFi 6E	802.11a 6Mbps	1	5955	Not Required	7.00	Not Required	Not Required	7.00	Not Required	Not Required	10.00	Not Required					
57			6235	7.00		7.00			10.00									
113			6515	7.00		7.00			10.00									
173			6815	8.50		8.50			11.50									
802.11ax-HE20 MCS0		1	5955	7.00		7.00			10.00									
		57	6235	7.00		7.00			10.00									
		113	6515	7.00		7.00			10.00									
		173	6815	8.50		8.50			11.50									
802.11ax-HE40 MCS0		3	5965	11.00		11.00			14.00									
		59	6245	11.00		11.00			14.00									
		107	6485	11.00		11.00			14.00									
		171	6805	11.00		11.00			14.00									
		227	7085	11.00		11.00			14.00									
802.11ax-HE80 MCS0		7	5985	13.00		13.00			16.00									
		71	6305	13.00		13.00			16.00									
		119	6545	13.00		13.00			16.00									
		167	6785	14.00		14.00			17.00									
		215	7025	13.00		13.00			16.00									
802.11ax-HE160 MCS0		15	6025	14.70		16.00			92.19			15.10		16.00	92.19	17.91	19.00	96.03
		47	6185	14.60		16.00						15.10		16.00		17.87	19.00	
	111	6505	15.00	16.00	15.60	16.00	18.32	19.00										
	175	6825	15.10	17.00	16.60	17.00	18.92	20.00										
	207	6985	15.40	17.00	16.20	17.00	18.83	20.00										



WLAN Power Index 2

2.4GHz WLAN				Ant 4+3(4)			Ant 4+3(3)			Ant 4+3		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	16.15	17.50	98.90	18.55	19.00	98.90			
		6	2437	16.35	17.50		18.45	19.00				
		11	2462	16.15	17.50		18.65	19.00				
		12	2467	16.15	17.50		18.40	19.00				
		13	2472	16.15	17.50		18.40	19.00				
	802.11g 6Mbps	1	2412	15.95	17.50	93.40	16.05	17.50	93.40	19.01	20.50	93.40
		6	2437	16.05	17.50		15.75	17.50		18.91	20.50	
		11	2462	15.75	17.50		16.45	17.50		19.12	20.50	
		12	2467	15.40	15.50		15.30	15.50		18.36	18.50	
		13	2472	13.00	13.00		12.90	13.00		15.96	16.00	
	802.11n-HT20 MCS0	1	2412	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	20.50	Not Required
		6	2437		17.50			17.50			20.50	
		11	2462		17.50			17.50			20.50	
		12	2467		14.50			14.50			17.50	
		13	2472		12.00			12.00			15.00	
	802.11ac-VHT20 MCS0	1	2412	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	20.50	Not Required
		6	2437		17.50			17.50			20.50	
		11	2462		17.50			17.50			20.50	
		12	2467		14.50			14.50			17.50	
	802.11ax-HE20 MCS0	1	2412	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	20.50	Not Required
6		2437	17.50		17.50			20.50				
11		2462	17.50		17.50			20.50				
12		2467	15.00		15.00			18.00				
13		2472	12.00		12.00			15.00				



5.2GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	19.00	Not Required	19.00	Not Required	Not Required	22.00	Not Required	
		40	5200		19.00		22.00					
		44	5220		19.00		22.00					
		48	5240		19.00		22.00					
	802.11n-HT20 MCS0	36	5180		19.00		22.00					
		40	5200		19.00		22.00					
		44	5220		19.00		22.00					
		48	5240		19.00		22.00					
	802.11n-HT40 MCS0	38	5190		16.00		19.00					
		46	5230		19.00		22.00					
	802.11ac-VHT20 MCS0	36	5180		19.00		22.00					
		40	5200		19.00		22.00					
		44	5220		19.00		22.00					
	802.11ac-VHT40 MCS0	38	5190		16.00		19.00					
		46	5230		19.00		22.00					
	802.11ac-VHT80 MCS0	42	5210		16.00		19.00					
	802.11ax-HE20 MCS0	36	5180		19.00		22.00					
		40	5200		19.00		22.00					
		44	5220		19.00		22.00					
	802.11ax-HE40 MCS0	38	5190		16.50		19.50					
46		5230	19.00	22.00								
802.11ax-HE80 MCS0	42	5210	16.00	19.00								



5.3GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	19.00	Not Required	Not Required	19.00	Not Required	Not Required	22.00	Not Required
		56	5280		19.00			22.00				
		60	5300		19.00			22.00				
		64	5320		19.00			22.00				
	802.11n-HT20 MCS0	52	5260	Not Required	19.00	Not Required	Not Required	19.00	Not Required	Not Required	22.00	Not Required
		56	5280		19.00			22.00				
		60	5300		19.00			22.00				
		64	5320		19.00			22.00				
	802.11n-HT40 MCS0	54	5270	18.00	19.00	86.84	17.75	19.00	86.84	20.89	22.00	86.84
		62	5310	16.10	16.50		15.85	16.50		18.99	19.50	
	802.11ac-VHT20 MCS0	52	5260	Not Required	19.00	Not Required	Not Required	19.00	Not Required	Not Required	22.00	Not Required
		56	5280		19.00			22.00				
		60	5300		19.00			22.00				
		64	5320		19.00			22.00				
	802.11ac-VHT40 MCS0	54	5270	Not Required	19.00	Not Required	Not Required	19.00	Not Required	Not Required	22.00	Not Required
		62	5310		16.50			16.50			19.50	
	802.11ac-VHT80 MCS0	58	5290	Not Required	16.50	Not Required	Not Required	16.50	Not Required	Not Required	19.50	Not Required
	802.11ac-VHT160 MCS0	50	5250		16.50			16.50			19.50	
	802.11ax-HE20 MCS0	52	5260	Not Required	19.00	Not Required	Not Required	19.00	Not Required	Not Required	22.00	Not Required
		56	5280		19.00			22.00				
60		5300	19.00		22.00							
64		5320	19.00		22.00							
802.11ax-HE40 MCS0	54	5270	Not Required	19.00	Not Required	Not Required	19.00	Not Required	Not Required	22.00	Not Required	
	62	5310		16.50			16.50			19.50		
802.11ax-HE80 MCS0	58	5290	Not Required	16.50	Not Required	Not Required	16.50	Not Required	Not Required	19.50	Not Required	
802.11ax-HE160 MCS0	50	5250		16.50			16.50			19.50		



5.5GHz WLAN				Ant 4+8(4)		Ant 4+8(8)		Ant 4+8			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required	
		116	5580		17.50		17.50		20.50		
		124	5620		16.50		16.50		19.50		
		132	5660		16.50		16.50		19.50		
		140	5700		16.00		16.00		19.00		
		144	5720		16.00		16.00		19.00		
	802.11n-HT20 MCS0	100	5500		17.50		17.50		20.50		
		116	5580		17.00		17.00		20.00		
		124	5620		16.50		16.50		19.50		
		132	5660		16.50		16.50		19.50		
		140	5700		16.50		16.50		19.50		
		144	5720		16.50		16.50		19.50		
	802.11n-HT40 MCS0	102	5510		16.50		16.50		19.50		
		110	5550		17.50		17.50		20.50		
		126	5630		17.50		17.50		20.50		
		134	5670		17.50		17.50		20.50		
	802.11ac-VHT20 MCS0	100	5500		17.50		17.50		20.50		
		116	5580		17.00		17.00		20.00		
		124	5620		16.50		16.50		19.50		
		132	5660		16.50		16.50		19.50		
		140	5700		16.50		16.50		19.50		
		144	5720		16.50		16.50		19.50		
	802.11ac-VHT40 MCS0	102	5510		16.50		16.50		19.50		
		110	5550		17.50		17.50		20.50		
		126	5630		17.50		17.50		20.50		
		134	5670		17.50		17.50		20.50		
		142	5710		17.50		17.50		20.50		
	802.11ac-VHT80 MCS0	106	5530		17.00		17.00		19.91		88.10
		122	5610		16.10		17.50		19.34		
		138	5690		16.65		17.50		19.81		
	802.11ac-VHT160 MCS0	114	5570		16.50		16.50		19.50		Not Required
	802.11ax-HE20 MCS0	100	5500		17.50		17.50		20.50		
		116	5580		17.50		17.50		20.50		
		124	5620		16.50		16.50		19.50		
		132	5660		16.50		16.50		19.50		
		140	5700		16.50		16.50		19.50		
		144	5720		16.50		16.50		19.50		
	802.11ax-HE40 MCS0	102	5510		17.00		17.00		20.00		
		110	5550		17.50		17.50		20.50		
		126	5630		17.50		17.50		20.50		
134		5670	17.50	17.50	20.50						
142		5710	17.50	17.50	20.50						
802.11ax-HE80 MCS0	106	5530	17.50	17.50	20.50						
	122	5610	17.50	17.50	20.50						
	138	5690	17.50	17.50	20.50						
802.11ax-HE160 MCS0	114	5570	17.00	17.00	20.00						



5.8GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8								
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %						
	5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	15.00	Not Required	Not Required	18.50	Not Required	Not Required	20.10	Not Required					
157			5785	15.00		18.50			20.10									
165			5825	15.00		18.50			20.10									
802.11n-HT20 MCS0		149	5745	15.00		18.50			20.10									
		157	5785	15.00		18.50			20.10									
		165	5825	15.00		18.50			20.10									
802.11n-HT40 MCS0		151	5755	16.00		18.50			20.44									
		159	5795	16.00		18.50			20.44									
802.11ac-VHT20 MCS0		149	5745	15.50		18.50			20.26									
		157	5785	15.50		18.50			20.26									
		165	5825	15.50		18.50			20.26									
802.11ac-VHT40 MCS0		151	5755	16.00		18.50			20.44									
		159	5795	16.00		18.50			20.44									
802.11ac-VHT80 MCS0		155	5775	17.90		18.00			88.10			18.05		18.50	88.10	20.99	21.27	88.10
802.11ax-HE20 MCS0		149	5745	Not Required		15.00			Not Required			Not Required		18.50	Not Required	Not Required	20.10	Not Required
		157	5785			15.00								18.50			20.10	
		165	5825			15.00								18.50			20.10	
802.11ax-HE40 MCS0		151	5755			16.00								18.50			20.44	
	159	5795	16.00		18.50	20.44												
802.11ax-HE80 MCS0	155	5775	18.00		18.50	21.27												



UNII 4 WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8				
5.9GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
	802.11a 6Mbps	169	5845	Not Required	17.00	Not Required	Not Required	17.00	Not Required	Not Required	20.00	Not Required		
		173	5865										17.00	20.00
		177	5885										17.00	20.00
	802.11n-HT20 MCS0	169	5845										17.00	20.00
		173	5865										17.00	20.00
		177	5885										17.00	20.00
	802.11n-HT40 MCS0	167	5835										17.00	20.00
		175	5875										17.00	20.00
	802.11ac- VHT20 MCS0	169	5845										17.00	20.00
		173	5865										17.00	20.00
		177	5885										17.00	20.00
	802.11ac- VHT40 MCS0	167	5835										17.00	20.00
		175	5875	17.00	20.00									
	802.11ac- VHT80 MCS0	171	5855	17.00	20.00									
	802.11ac- VHT160 MCS0	163	5815	15.40	17.00	88.10	15.50	17.00	88.10	18.46	20.00	88.10		
	802.11ax- HE20 MCS0	169	5845	Not Required	17.00	Not Required	Not Required	17.00	Not Required	Not Required	20.00	Not Required		
		173	5865										17.00	20.00
		177	5885										17.00	20.00
	802.11ax- HE40 MCS0	167	5835										17.00	20.00
175		5875	17.00										20.00	
802.11ax- HE80 MCS0	171	5855	17.00										20.00	
802.11ax- HE160 MCS0	163	5815	17.00										20.00	



WiFi 6E				Ant 4			Ant 8			Ant 4+8								
WiFi 6E	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %						
	WiFi 6E	802.11a 6Mbps	1	5955	Not Required	7.00	Not Required	Not Required	7.00	Not Required	Not Required	10.00	Not Required					
57			6235	7.00		7.00			10.00									
113			6515	7.00		7.00			10.00									
173			6815	8.50		8.50			11.50									
802.11ax-HE20 MCS0		1	5955	7.00		7.00			10.00									
		57	6235	7.00		7.00			10.00									
		113	6515	7.00		7.00			10.00									
		173	6815	8.50		8.50			11.50									
802.11ax-HE40 MCS0		3	5965	11.00		11.00			14.00									
		59	6245	11.00		11.00			14.00									
		107	6485	11.00		11.00			14.00									
		171	6805	11.00		11.00			14.00									
		227	7085	11.00		11.00			14.00									
802.11ax-HE80 MCS0		7	5985	13.00		13.00			16.00									
		71	6305	13.00		13.00			16.00									
		119	6545	13.00		13.00			16.00									
		167	6785	14.00		14.00			17.00									
		215	7025	13.00		13.00			16.00									
802.11ax-HE160 MCS0		15	6025	14.70		16.00			92.19			15.10		16.00	92.19	17.91	19.00	96.03
		47	6185	14.60		16.00						15.10		16.00		17.87	19.00	
	111	6505	15.00	16.00	15.60	16.00	18.32	19.00										
	175	6825	15.10	17.00	16.60	17.00	18.92	20.00										
	207	6985	15.40	17.00	16.20	17.00	18.83	20.00										



WLAN Power Index 3

2.4GHz WLAN				Ant 4+3(4)			Ant 4+3(3)			Ant 4+3		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	14.95	16.50	98.90	17.25	18.00	98.90			
		6	2437	15.05	16.50		17.25	18.00				
		11	2462	14.95	16.50		17.55	18.00				
		12	2467	14.60	16.50		17.10	18.00				
		13	2472	14.60	16.50		17.10	18.00				
	802.11g 6Mbps	1	2412	15.95	16.50	93.40	16.05	16.50	93.40	19.01	19.50	93.40
		6	2437	16.05	16.50		15.75	16.50		18.91	19.50	
		11	2462	15.75	16.50		16.45	16.50		19.12	19.50	
		12	2467	15.00	15.50		15.20	15.50		18.11	18.50	
		13	2472	13.00	13.00		12.90	13.00		15.96	16.00	
	802.11n-HT20 MCS0	1	2412	Not Required	16.50	Not Required	Not Required	16.50	Not Required	Not Required	19.50	Not Required
		6	2437		16.50			16.50			19.50	
		11	2462		16.50			16.50			19.50	
		12	2467		14.50			14.50			17.50	
		13	2472		12.00			12.00			15.00	
	802.11ac-VHT20 MCS0	1	2412	Not Required	16.50	Not Required	Not Required	16.50	Not Required	Not Required	19.50	Not Required
		6	2437		16.50			16.50			19.50	
		11	2462		16.50			16.50			19.50	
		12	2467		14.50			14.50			17.50	
	802.11ax-HE20 MCS0	1	2412	Not Required	16.50	Not Required	Not Required	16.50	Not Required	Not Required	19.50	Not Required
6		2437	16.50		16.50			19.50				
11		2462	16.50		16.50			19.50				
12		2467	15.00		15.00			18.00				
13		2472	12.00		12.00			15.00				



5.2GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	20.50	Not Required
		40	5200		17.50			20.50				
		44	5220		17.50			20.50				
		48	5240		17.50			20.50				
	802.11n-HT20 MCS0	36	5180		17.50			20.50				
		40	5200		17.50			20.50				
		44	5220		17.50			20.50				
		48	5240		17.50			20.50				
	802.11n-HT40 MCS0	38	5190		16.00			19.00				
		46	5230		17.50			20.50				
	802.11ac-VHT20 MCS0	36	5180		17.50			20.50				
		40	5200		17.50			20.50				
		44	5220		17.50			20.50				
		48	5240		17.50			20.50				
	802.11ac-VHT40 MCS0	38	5190		16.00			19.00				
		46	5230		17.50			20.50				
	802.11ac-VHT80 MCS0	42	5210		16.00			19.00				
	802.11ax-HE20 MCS0	36	5180		17.50			20.50				
		40	5200		17.50			20.50				
44		5220	17.50	20.50								
48		5240	17.50	20.50								
802.11ax-HE40 MCS0	38	5190	16.50	19.50								
	46	5230	17.50	20.50								
802.11ax-HE80 MCS0	42	5210	16.00	19.00								



5.3GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8		
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	20.50
56			5280	17.50		20.50						
60			5300	17.50		20.50						
64			5320	17.50		20.50						
802.11n-HT20 MCS0		52	5260	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	20.50	Not Required
		56	5280		17.50			20.50				
		60	5300		17.50			20.50				
		64	5320		17.50			20.50				
802.11n-HT40 MCS0		54	5270	16.40	17.50	86.84	16.35	17.50	86.84	19.39	20.50	86.84
		62	5310	16.10	16.50		15.85	16.50		18.99	19.50	
802.11ac-VHT20 MCS0		52	5260	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	20.50	Not Required
		56	5280		17.50			20.50				
		60	5300		17.50			20.50				
		64	5320		17.50			20.50				
802.11ac-VHT40 MCS0		54	5270	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	20.50	Not Required
		62	5310		16.50			16.50			19.50	
802.11ac-VHT80 MCS0		58	5290	Not Required	16.50	Not Required	Not Required	16.50	Not Required	Not Required	19.50	Not Required
802.11ac-VHT160 MCS0		50	5250		16.50			16.50			19.50	
802.11ax-HE20 MCS0		52	5260	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	20.50	Not Required
		56	5280		17.50			20.50				
	60	5300	17.50		20.50							
	64	5320	17.50		20.50							
802.11ax-HE40 MCS0	54	5270	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	20.50	Not Required	
	62	5310		16.50			16.50			19.50		
802.11ax-HE80 MCS0	58	5290	Not Required	16.50	Not Required	Not Required	16.50	Not Required	Not Required	19.50	Not Required	
802.11ax-HE160 MCS0	50	5250		16.50			16.50			19.50		



5.5GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8													
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %												
802.11a 6Mbps	100	5500	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required												
	116	5580		14.50			17.50																
	124	5620		14.50			17.50																
	132	5660		14.50			17.50																
	140	5700		14.50			17.50																
	144	5720		14.50			17.50																
	802.11n-HT20 MCS0	100		5500			Not Required			14.50		Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required					
		116		5580						14.50				17.50									
		124		5620						14.50				17.50									
		132		5660						14.50				17.50									
		140		5700						14.50				17.50									
	144	5720		14.50						17.50													
802.11n-HT40 MCS0	102	5510	Not Required	14.50	Not Required	Not Required		14.50	Not Required	Not Required	17.50			Not Required									
	110	5550		14.50				17.50															
	126	5630		14.50				17.50															
	134	5670		14.50				17.50															
142	5710	14.50		17.50																			
802.11ac-VHT20 MCS0	100	5500		Not Required				14.50			Not Required						Not Required		14.50	Not Required	Not Required	17.50	Not Required
	116	5580					14.50	17.50															
	124	5620					14.50	17.50															
	132	5660					14.50	17.50															
	140	5700					14.50	17.50															
144	5720	14.50					17.50																
802.11ac-VHT40 MCS0	102	5510					Not Required	14.50				Not Required	Not Required		14.50	Not Required		Not Required	17.50			Not Required	
	110	5550	14.50		17.50																		
	126	5630	14.50		17.50																		
	134	5670	14.50		17.50																		
	142	5710	14.50		17.50																		
802.11ac-VHT80 MCS0	106	5530	13.70		14.50	88.10		13.90	14.50	88.10				16.81	17.50				88.10				
	122	5610	12.90	14.50	13.48			14.50	16.21		17.50												
	138	5690	13.10	14.50	13.50			14.50	16.31		17.50												
802.11ac-VHT160 MCS0	114	5570	Not Required	14.00	Not Required	Not Required		14.00	Not Required	Not Required	17.00			Not Required									
802.11ax-HE20 MCS0	100	5500		14.50				17.50															
	116	5580		14.50				17.50															
	124	5620		14.50				17.50															
	132	5660		14.50			17.50																
	140	5700		14.50			17.50																
144	5720	14.50		17.50																			
802.11ax-HE40 MCS0	102	5510		Not Required			14.50	Not Required			Not Required	14.50	Not Required		Not Required	17.50	Not Required						
	110	5550					14.50					17.50											
	126	5630					14.50					17.50											
	134	5670					14.50					17.50											
142	5710	14.50					17.50																
802.11ax-HE80 MCS0	106	5530	Not Required		14.50	Not Required	Not Required		14.50	Not Required		Not Required		17.50		Not Required							
	122	5610			14.50				17.50														
	138	5690			14.50				17.50														
802.11ax-HE160 MCS0	114	5570			Not Required				14.00					Not Required				Not Required	14.00	Not Required	Not Required	17.00	Not Required



5.8GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8								
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %						
	5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	15.00	Not Required	Not Required	15.50	Not Required	Not Required	18.27	Not Required					
157			5785	15.00		15.50			18.27									
165			5825	15.00		15.50			18.27									
802.11n-HT20 MCS0		149	5745	15.00		15.50			18.27									
		157	5785	15.00		15.50			18.27									
		165	5825	15.00		15.50			18.27									
802.11n-HT40 MCS0		151	5755	15.50		15.50			18.51									
		159	5795	15.50		15.50			18.51									
802.11ac-VHT20 MCS0		149	5745	15.50		15.50			18.51									
		157	5785	15.50		15.50			18.51									
		165	5825	15.50		15.50			18.51									
802.11ac-VHT40 MCS0		151	5755	15.50		15.50			18.51									
		159	5795	15.50		15.50			18.51									
802.11ac-VHT80 MCS0		155	5775	14.20		15.50			88.10			14.50		15.50	88.10	17.36	18.51	88.10
802.11ax-HE20 MCS0		149	5745	Not Required		15.00			Not Required			Not Required		15.50	Not Required	Not Required	18.27	Not Required
	157	5785	15.00		15.50	18.27												
	165	5825	15.00		15.50	18.27												
802.11ax-HE40 MCS0	151	5755	15.50		15.50	18.51												
	159	5795	15.50		15.50	18.51												
802.11ax-HE80 MCS0	155	5775	15.50		15.50	18.51												



UNII 4 WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8								
5.9GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %						
	5.9GHz WLAN	802.11a 6Mbps	169	5845	Not Required	14.00	Not Required	Not Required	14.00	Not Required	Not Required	17.00	Not Required					
173			5865	14.00		17.00												
177			5885	14.00		17.00												
802.11n-HT20 MCS0		169	5845	14.00		17.00												
		173	5865	14.00		17.00												
		177	5885	14.00		17.00												
802.11n-HT40 MCS0		167	5835	14.00		17.00												
		175	5875	14.00		17.00												
802.11ac-VHT20 MCS0		169	5845	14.00		17.00												
		173	5865	14.00		17.00												
		177	5885	14.00		17.00												
802.11ac-VHT40 MCS0		167	5835	14.00		17.00												
		175	5875	14.00		17.00												
802.11ac-VHT80 MCS0		171	5855	14.00		17.00												
802.11ac-VHT160 MCS0		163	5815	12.00		14.00			88.10			12.90		14.00	88.10	15.48	17.00	88.10
802.11ax-HE20 MCS0		169	5845	14.00		17.00												
		173	5865	14.00		17.00												
		177	5885	14.00		17.00												
802.11ax-HE40 MCS0	167	5835	14.00	17.00														
	175	5875	14.00	17.00														
802.11ax-HE80 MCS0	171	5855	14.00	17.00														
802.11ax-HE160 MCS0	163	5815	14.00	17.00														



WiFi 6E				Ant 4			Ant 8			Ant 4+8						
WiFi 6E	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
	WiFi 6E	802.11a 6Mbps	1	5955	Not Required	7.00	Not Required	Not Required	7.00	Not Required	Not Required	10.00	Not Required			
57			6235	7.00		10.00										
113			6515	7.00		10.00										
173			6815	8.50		11.50										
802.11ax-HE20 MCS0		1	5955	7.00		10.00										
		57	6235	7.00		10.00										
		113	6515	7.00		10.00										
802.11ax-HE40 MCS0		3	5965	11.00		14.00										
		59	6245	11.00		14.00										
		107	6485	11.00		14.00										
		171	6805	11.00		14.00										
802.11ax-HE80 MCS0		227	7085	11.00		14.00										
		7	5985	13.00		16.00										
		71	6305	13.00		16.00										
		119	6545	13.00		16.00										
		167	6785	14.00		17.00										
802.11ax-HE160 MCS0		215	7025	13.00		16.00										
		15	6025	14.70		15.50			92.19			92.19		17.91	18.50	96.03
		47	6185	14.60		15.50								17.87	18.50	
		111	6505	15.00		16.00								18.32	19.00	
	175	6825	15.10	17.00	18.92	20.00										
207	6985	15.40	16.50	18.83	19.50											



WLAN Power Index 4

2.4GHz WLAN				Ant 4+3(4)			Ant 4+3(3)			Ant 4+3		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	9.75	11.00	98.90	12.15	13.00	98.90			
		6	2437	10.05	11.00		12.05	13.00				
		11	2462	10.05	11.00		12.25	13.00				
		12	2467	10.00	11.00		12.00	13.00				
		13	2472	10.00	11.00		12.00	13.00				
	802.11g 6Mbps	1	2412	10.85	11.00	93.40	10.75	11.00	93.40	13.81	14.00	93.40
		6	2437	11.00	11.00		10.75	11.00		13.91	14.00	
		11	2462	10.55	11.00		11.00	11.00		13.92	14.00	
		12	2467	10.50	11.00		10.70	11.00		13.61	14.00	
		13	2472	10.50	11.00		10.70	11.00		13.61	14.00	
	802.11n-HT20 MCS0	1	2412	Not Required	11.00	Not Required	11.00	Not Required	Not Required	Not Required	14.00	Not Required
		6	2437		11.00		11.00				14.00	
		11	2462		11.00		11.00				14.00	
		12	2467		11.00		11.00				14.00	
		13	2472		11.00		11.00				14.00	
	802.11ac-VHT20 MCS0	1	2412	Not Required	11.00	Not Required	11.00	Not Required	Not Required	Not Required	14.00	Not Required
		6	2437		11.00		11.00				14.00	
		11	2462		11.00		11.00				14.00	
		12	2467		11.00		11.00				14.00	
	802.11ax-HE20 MCS0	1	2412	Not Required	11.00	Not Required	11.00	Not Required	Not Required	Not Required	14.00	Not Required
6		2437	11.00		11.00		14.00					
11		2462	11.00		11.00		14.00					
12		2467	11.00		11.00		14.00					
13		2472	11.00		11.00		14.00					



5.2GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	20.50	Not Required
		40	5200		17.50			17.50			20.50	
		44	5220		17.50			17.50			20.50	
		48	5240		17.50			17.50			20.50	
	802.11n-HT20 MCS0	36	5180		17.50			17.50			20.50	
		40	5200		17.50			17.50			20.50	
		44	5220		17.50			17.50			20.50	
		48	5240		17.50			17.50			20.50	
	802.11n-HT40 MCS0	38	5190		16.00			19.00				
		46	5230		17.50			20.50				
	802.11ac-VHT20 MCS0	36	5180		17.50			20.50				
		40	5200		17.50			20.50				
		44	5220		17.50			20.50				
		48	5240		17.50			20.50				
	802.11ac-VHT40 MCS0	38	5190		16.00			19.00				
		46	5230		17.50			20.50				
	802.11ac-VHT80 MCS0	42	5210		16.00			19.00				
	802.11ax-HE20 MCS0	36	5180		17.50			20.50				
		40	5200		17.50			20.50				
44		5220	17.50	20.50								
48		5240	17.50	20.50								
802.11ax-HE40 MCS0	38	5190	16.50	19.50								
	46	5230	17.50	20.50								
802.11ax-HE80 MCS0	42	5210	16.00	19.00								



5.3GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	20.50	Not Required
		56	5280		17.50			20.50				
		60	5300		17.50			20.50				
		64	5320		17.50			20.50				
	802.11n-HT20 MCS0	52	5260	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	20.50	Not Required
		56	5280		17.50			20.50				
		60	5300		17.50			20.50				
		64	5320		17.50			20.50				
	802.11n-HT40 MCS0	54	5270	16.40	17.50	86.84	16.35	17.50	86.84	19.39	20.50	86.84
		62	5310	16.10	16.50		15.85	16.50		18.99	19.50	
	802.11ac-VHT20 MCS0	52	5260	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	20.50	Not Required
		56	5280		17.50			20.50				
		60	5300		17.50			20.50				
		64	5320		17.50			20.50				
	802.11ac-VHT40 MCS0	54	5270	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	20.50	Not Required
		62	5310		16.50			16.50			19.50	
	802.11ac-VHT80 MCS0	58	5290	Not Required	16.50	Not Required	Not Required	16.50	Not Required	Not Required	19.50	Not Required
	802.11ac-VHT160 MCS0	50	5250		16.50			16.50			19.50	
	802.11ax-HE20 MCS0	52	5260	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	20.50	Not Required
		56	5280		17.50			20.50				
		60	5300		17.50			20.50				
		64	5320		17.50			20.50				
	802.11ax-HE40 MCS0	54	5270	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	20.50	Not Required
		62	5310		16.50			16.50			19.50	
	802.11ax-HE80 MCS0	58	5290	Not Required	16.50	Not Required	Not Required	16.50	Not Required	Not Required	19.50	Not Required
	802.11ax-HE160 MCS0	50	5250		16.50			16.50			19.50	



FCC SAR TEST REPORT

Report No. : FA102919-05E

5.5GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required	
	116	5580		14.50			17.50					
	124	5620		14.50			17.50					
	132	5660		14.50			17.50					
	140	5700		14.50			17.50					
	144	5720		14.50			17.50					
802.11n-HT20 MCS0	100	5500	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required	
	116	5580		14.50			17.50					
	124	5620		14.50			17.50					
	132	5660		14.50			17.50					
	140	5700		14.50			17.50					
	144	5720		14.50			17.50					
802.11n-HT40 MCS0	102	5510	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required	
	110	5550		14.50			17.50					
	126	5630		14.50			17.50					
	134	5670		14.50			17.50					
	142	5710		14.50			17.50					
	144	5720		14.50			17.50					
802.11ac-VHT20 MCS0	100	5500	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required	
	116	5580		14.50			17.50					
	124	5620		14.50			17.50					
	132	5660		14.50			17.50					
	140	5700		14.50			17.50					
	144	5720		14.50			17.50					
802.11ac-VHT40 MCS0	102	5510	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required	
	110	5550		14.50			17.50					
	126	5630		14.50			17.50					
	134	5670		14.50			17.50					
	142	5710		14.50			17.50					
	144	5720		14.50			17.50					
802.11ac-VHT80 MCS0	106	5530	13.70	14.50	88.10	13.90	14.50	88.10	16.81	17.50	88.10	
	122	5610	12.90	14.50		13.48	14.50		16.21	17.50		
	138	5690	13.10	14.50		13.50	14.50		16.31	17.50		
802.11ac-VHT160 MCS0	114	5570	Not Required	14.00	Not Required	Not Required	14.00	Not Required	Not Required	17.00	Not Required	
802.11ax-HE20 MCS0	100	5500		14.50			17.50					
	116	5580		14.50			17.50					
	124	5620		14.50			17.50					
	132	5660		14.50			17.50					
	140	5700		14.50			17.50					
	144	5720	14.50	17.50								
802.11ax-HE40 MCS0	102	5510	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required	
	110	5550		14.50			17.50					
	126	5630		14.50			17.50					
	134	5670		14.50			17.50					
	142	5710		14.50			17.50					
802.11ax-HE80 MCS0	106	5530	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required	
	122	5610		14.50			17.50					
	138	5690		14.50			17.50					
802.11ax-HE160 MCS0	114	5570	Not Required	14.00	Not Required	Not Required	14.00	Not Required	Not Required	17.00	Not Required	



5.8GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8									
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %							
	5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	15.00	Not Required	Not Required	Not Required	Not Required	Not Required	18.27	Not Required						
157			5785	15.00		18.27													
165			5825	15.00		18.27													
802.11n-HT20 MCS0		149	5745	15.00		18.27													
		157	5785	15.00		18.27													
		165	5825	15.00		18.27													
802.11n-HT40 MCS0		151	5755	15.50		18.51													
		159	5795	15.50		18.51													
802.11ac-VHT20 MCS0		149	5745	15.50		18.51													
		157	5785	15.50		18.51													
		165	5825	15.50		18.51													
802.11ac-VHT40 MCS0		151	5755	15.50		18.51													
		159	5795	15.50		18.51													
802.11ac-VHT80 MCS0		155	5775	14.20		15.50						88.10		14.50	15.50	88.10	17.36	18.51	88.10
802.11ax-HE20 MCS0		149	5745	Not Required		15.00						Not Required		Not Required	Not Required	Not Required	Not Required	18.27	Not Required
		157	5785			15.00												18.27	
		165	5825			15.00												18.27	
802.11ax-HE40 MCS0		151	5755			15.50												18.51	
	159	5795	15.50		18.51														
802.11ax-HE80 MCS0	155	5775	15.50		18.51														



UNII 4 WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8				
5.9GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
	5.9GHz WLAN	802.11a 6Mbps	169	5845	Not Required	14.00	Not Required	Not Required	14.00	Not Required	Not Required	17.00	Not Required	
173			5865	14.00										17.00
177			5885	14.00										17.00
802.11n-HT20 MCS0		169	5845	14.00										17.00
		173	5865	14.00										17.00
		177	5885	14.00										17.00
802.11n-HT40 MCS0		167	5835	14.00										17.00
		175	5875	14.00										17.00
802.11ac-VHT20 MCS0		169	5845	14.00										17.00
		173	5865	14.00										17.00
		177	5885	14.00										17.00
802.11ac-VHT40 MCS0		167	5835	14.00										17.00
		175	5875	14.00										17.00
802.11ac-VHT80 MCS0		171	5855	14.00										17.00
802.11ac-VHT160 MCS0		163	5815	12.00										14.00
802.11ax-HE20 MCS0	169	5845	Not Required	14.00	Not Required	Not Required	14.00	Not Required	Not Required	17.00	Not Required			
	173	5865										14.00	17.00	
	177	5885										14.00	17.00	
802.11ax-HE40 MCS0	167	5835										14.00	17.00	
	175	5875										14.00	17.00	
802.11ax-HE80 MCS0	171	5855										14.00	17.00	
802.11ax-HE160 MCS0	163	5815										14.00	17.00	



WiFi 6E				Ant 4			Ant 8			Ant 4+8			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
WiFi 6E	802.11a 6Mbps	1	5955	Not Required	7.00	Not Required	Not Required	7.00	Not Required	Not Required	10.00	Not Required	
		57	6235		7.00			10.00					
		113	6515		7.00			10.00					
		173	6815		8.50			11.50					
	802.11ax-HE20 MCS0	1	5955		7.00			10.00					
		57	6235		7.00			10.00					
		113	6515		7.00			10.00					
	802.11ax-HE40 MCS0	173	6815		8.50			11.50					
		3	5965		11.00			14.00					
		59	6245		11.00			14.00					
		107	6485		11.00			14.00					
	802.11ax-HE80 MCS0	171	6805		11.00			14.00					
		227	7085		11.00			14.00					
		7	5985		13.00			16.00					
		71	6305		13.00			16.00					
	802.11ax-HE160 MCS0	119	6545		13.00			16.00					
		167	6785		14.00			17.00					
		215	7025		13.00			16.00					
		15	6025		14.70			15.50					
	802.11ax-HE160 MCS0	47	6185		14.60			15.50			92.19		92.19
111		6505	15.00	16.00	15.10	15.50	17.87	18.50					
175		6825	15.10	17.00	15.60	16.00	18.32	19.00					
207		6985	15.40	16.50	16.60	17.00	18.92	20.00					
			15.40	16.50	16.20	16.50	18.83	19.50					



WLAN Power Index 5

2.4GHz WLAN				Ant 4+3(4)			Ant 4+3(3)			Ant 4+3		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	2.4GHz WLAN	802.11b 1Mbps	1	2412	22.65	23.00	98.90	22.75	23.00	98.90		
6			2437	22.85	23.00	22.75		23.00				
11			2462	22.75	23.00	22.95		23.00				
12			2467	22.75	23.00	22.95		23.00				
13			2472	20.25	20.50	19.25		20.00				
802.11g 6Mbps		1	2412	21.65	23.00	93.40	21.35	23.00	93.40	24.51	26.00	93.40
		6	2437	22.75	23.00		22.05	23.00		25.42	26.00	
		11	2462	18.85	19.50		19.25	19.50		22.06	22.50	
		12	2467	14.45	15.50		15.25	15.50		17.88	18.50	
		13	2472	12.15	13.00		12.65	13.00		15.42	16.00	
802.11n-HT20 MCS0		1	2412	20.65	21.00	92.90	20.45	21.00	92.90	23.56	24.00	92.90
		6	2437	22.55	23.00		22.15	23.00		25.36	26.00	
		11	2462	17.55	19.00		18.25	19.00		20.92	22.00	
		12	2467	13.75	14.50		14.25	14.50		17.02	17.50	
		13	2472	11.25	12.00		11.65	12.00		14.46	15.00	
802.11ac-VHT20 MCS0		1	2412	20.75	21.00	93.00	20.55	21.00	93.00	23.66	24.00	93.00
		6	2437	22.65	23.00		22.25	23.00		25.46	26.00	
		11	2462	17.65	19.00		18.35	19.00		21.02	22.00	
		12	2467	13.85	14.50		14.35	14.50		17.12	17.50	
		13	2472	11.35	12.00		11.75	12.00		14.56	15.00	
802.11ax-HE20 MCS0	1	2412	20.85	21.00	95.90	20.65	21.00	95.90	23.76	24.00	95.90	
	6	2437	22.75	23.00		22.35	23.00		25.56	26.00		
	11	2462	17.75	19.00		18.45	19.00		21.12	22.00		
	12	2467	13.95	15.00		14.45	15.00		17.22	18.00		
	13	2472	11.45	12.00		11.85	12.00		14.66	15.00		



5.2GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	23.50	
		40	5200									23.50	
		44	5220									23.50	
		48	5240									23.50	
	802.11n-HT20 MCS0	36	5180									20.00	23.00
		40	5200									20.00	23.00
		44	5220									20.00	23.00
		48	5240									20.00	23.00
	802.11n-HT40 MCS0	38	5190									16.00	19.00
		46	5230									21.00	24.00
	802.11ac-VHT20 MCS0	36	5180									20.00	23.00
		40	5200									20.00	23.00
		44	5220									20.00	23.00
		48	5240									20.00	23.00
	802.11ac-VHT40 MCS0	38	5190									16.00	19.00
		46	5230									21.00	24.00
	802.11ac-VHT80 MCS0	42	5210									16.00	19.00
	802.11ax-HE20 MCS0	36	5180									20.00	23.00
		40	5200									20.00	23.00
		44	5220									20.00	23.00
48		5240	20.00	23.00									
802.11ax-HE40 MCS0	38	5190	16.50	19.50									
	46	5230	21.00	24.00									
802.11ax-HE80 MCS0	42	5210	16.00	19.00									



5.3GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8		
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	20.50	Not Required	Not Required	20.50	Not Required	Not Required	23.50
56			5280	20.50		23.50						
60			5300	20.50		23.50						
64			5320	20.50		23.50						
802.11n-HT20 MCS0		52	5260	20.60	19.50	91.67	20.75	19.50	91.67	23.69	22.50	91.67
		56	5280		21.00			24.00				
		60	5300		21.00			24.00				
802.11n-HT40 MCS0		54	5270	19.30	21.00	86.84	19.05	21.00	86.84	22.19	24.00	86.84
		62	5310	16.10	16.50		15.85	16.50		18.99	19.50	
802.11ac-VHT20 MCS0		52	5260	Not Required	21.00	Not Required	Not Required	21.00	Not Required	Not Required	24.00	Not Required
		56	5280		21.00			24.00				
		60	5300		21.00			24.00				
	64	5320	21.00		24.00							
802.11ac-VHT40 MCS0	54	5270	21.00		24.00							
	62	5310	16.50		19.50							
802.11ac-VHT80 MCS0	58	5290	16.50		19.50							
802.11ac-VHT160 MCS0	50	5250	16.50		19.50							
802.11ax-HE20 MCS0	52	5260	21.00		24.00							
	56	5280	21.00		24.00							
	60	5300	21.00		24.00							
	64	5320	21.00		24.00							
802.11ax-HE40 MCS0	54	5270	21.00	24.00								
	62	5310	16.50	19.50								
802.11ax-HE80 MCS0	58	5290	16.50	19.50								
802.11ax-HE160 MCS0	50	5250	16.50	19.50								



FCC SAR TEST REPORT

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5.5GHz WLAN				Ant 4+8(4)		Ant 4+8(8)		Ant 4+8		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	20.00	Not Required	20.00	Not Required	23.00	Not Required
		116	5580		18.00		18.00		21.00	
		124	5620		16.50		16.50		19.50	
		132	5660		16.50		16.50		19.50	
		140	5700		16.00		16.00		19.00	
		144	5720		16.00		16.00		19.00	
	802.11n- HT20 MCS0	100	5500	Not Required	20.00	Not Required	20.00	Not Required	23.00	Not Required
		116	5580		17.00		17.00		20.00	
		124	5620		16.50		16.50		19.50	
		132	5660		16.50		16.50		19.50	
		140	5700		16.50		16.50		19.50	
		144	5720		16.50		16.50		19.50	
	802.11n- HT40 MCS0	102	5510	16.10	16.50	16.35	16.50	19.24	19.50	86.84
		110	5550	20.50	21.00	20.75	21.00	23.64	24.00	
		126	5630	19.40	19.50	19.30	19.50	22.40	22.50	
		134	5670	17.00	18.00	17.45	18.00	20.24	21.00	
		142	5710	16.10	18.00	16.45	18.00	19.29	21.00	
	802.11ac- VHT20 MCS0	100	5500	Not Required	20.00	Not Required	20.00	Not Required	23.00	Not Required
		116	5580		17.00		17.00		20.00	
		124	5620		16.50		16.50		19.50	
		132	5660		16.50		16.50		19.50	
		140	5700		16.50		16.50		19.50	
		144	5720		16.50		16.50		19.50	
	802.11ac- VHT40 MCS0	102	5510	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
		110	5550		21.00		21.00		24.00	
		126	5630		19.50		19.50		22.50	
		134	5670		18.00		18.00		21.00	
		142	5710		18.00		18.00		21.00	
	802.11ac- VHT80 MCS0	106	5530	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
		122	5610		20.00		20.00		23.00	
		138	5690		19.00		19.00		22.00	
	802.11ac- VHT160 MCS0	114	5570	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required
	802.11ax- HE20 MCS0	100	5500		20.00		20.00		23.00	
		116	5580	17.5	17.5	20.5				
		124	5620	16.50	16.50	19.50				
		132	5660	16.50	16.50	19.50				
		140	5700	16.50	16.50	19.50				
		144	5720	16.50	16.50	19.50				
	802.11ax- HE40 MCS0	102	5510	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required
		110	5550		21.00		21.00		24.00	
		126	5630		19.50		19.50		22.50	
		134	5670		18.00		18.00		21.00	
		142	5710		18.00		18.00		21.00	
	802.11ax- HE80 MCS0	106	5530	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required
122		5610	20.00		20.00		23.00			
138		5690	19.00		19.00		22.00			
802.11ax- HE160 MCS0	114	5570	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required	



5.8GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8		
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	15.00	Not Required	Not Required	21.00	Not Required	Not Required	21.97
157			5785	15.00		21.00			21.97			
165			5825	15.00		21.00			21.97			
802.11n-HT20 MCS0		149	5745	Not Required	15.00	Not Required	Not Required	21.00	Not Required	Not Required	21.97	Not Required
		157	5785		15.00			21.00			21.97	
		165	5825		15.00			21.00			21.97	
802.11n-HT40 MCS0		151	5755	15.10	16.00	86.84	20.75	21.00	86.84	21.80	22.19	86.84
		159	5795	15.60	16.00		20.85	21.00		21.98	22.19	
802.11ac-VHT20 MCS0		149	5745	Not Required	15.50	Not Required	Not Required	21.00	Not Required	Not Required	22.08	Not Required
		157	5785		15.50			21.00			22.08	
		165	5825		15.50			21.00			22.08	
802.11ac-VHT40 MCS0		151	5755	Not Required	16.00	Not Required	Not Required	21.00	Not Required	Not Required	22.19	Not Required
	159	5795	16.00		21.00			22.19				
802.11ac-VHT80 MCS0	155	5775	18.00	18.00	88.10	20.75	21.00	88.10	22.60	22.76	88.10	
802.11ax-HE20 MCS0	149	5745	Not Required	15.00	Not Required	Not Required	21.00	Not Required	Not Required	21.97	Not Required	
	157	5785		15.00			21.00			21.97		
	165	5825		15.00			21.00			21.97		
802.11ax-HE40 MCS0	151	5755	Not Required	16.00	Not Required	Not Required	21.00	Not Required	Not Required	22.19	Not Required	
	159	5795		16.00			21.00			22.19		
802.11ax-HE80 MCS0	155	5775	18.00	18.00	88.10	20.75	21.00	88.10	22.60	22.76	88.10	



UNII 4 WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
5.9GHz WLAN	802.11a 6Mbps	169	5845	Not Required	21.50	Not Required	Not Required	21.50	Not Required	Not Required	24.50	Not Required	
		173	5865		21.50			24.50					
		177	5885		21.50			24.50					
	802.11n-HT20 MCS0	169	5845	Not Required	21.50	Not Required	Not Required	21.50	Not Required	Not Required	24.50	Not Required	
		173	5865		21.50			24.50					
		177	5885		21.50			24.50					
	802.11n-HT40 MCS0	167	5835	20.10	22.00	96.79	20.60	22.00	96.79	23.37	25.00	96.79	
		175	5875	20.10	22.00		20.50	22.00		23.31	25.00		
	802.11ac-VHT20 MCS0	169	5845	Not Required	21.50	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	24.50	Not Required
		173	5865		21.50							24.50	
		177	5885		21.50							24.50	
	802.11ac-VHT40 MCS0	167	5835	Not Required	22.00	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	25.00	Not Required
		175	5875		22.00							25.00	
	802.11ac-VHT80 MCS0	171	5855	Not Required	20.50	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	23.50	Not Required
	802.11ac-VHT160 MCS0	163	5815		20.50							23.50	
	802.11ax-HE20 MCS0	169	5845	Not Required	22.00	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	25.00	Not Required
		173	5865		22.00							25.00	
		177	5885		22.00							25.00	
	802.11ax-HE40 MCS0	167	5835	Not Required	22.00	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	25.00	Not Required
		175	5875		22.00							25.00	
802.11ax-HE80 MCS0	171	5855	Not Required	20.50	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	23.50	Not Required	
802.11ax-HE160 MCS0	163	5815		20.50							23.50		



WiFi 6E				Ant 4			Ant 8			Ant 4+8									
WiFi 6E	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %							
	WiFi 6E	802.11a 6Mbps	1	5955	Not Required	7.00	Not Required	Not Required	7.00	Not Required	Not Required	10.00	Not Required						
57			6235	7.00		10.00													
113			6515	7.00		10.00													
173			6815	8.50		11.50													
802.11ax-HE20 MCS0		1	5955	7.00		10.00													
		57	6235	7.00		10.00													
		113	6515	7.00		10.00													
		173	6815	8.50		11.50													
802.11ax-HE40 MCS0		3	5965	11.00		14.00													
		59	6245	11.00		14.00													
		107	6485	11.00		14.00													
		171	6805	11.00		14.00													
		227	7085	11.00		14.00													
802.11ax-HE80 MCS0		7	5985	13.00		16.00													
		71	6305	13.00		16.00													
		119	6545	13.00		16.00													
		167	6785	14.00		17.00													
		215	7025	13.00		16.00													
802.11ax-HE160 MCS0		15	6025	14.70		16.00			92.19			92.19		15.10	16.00	92.19	17.91	19.00	96.03
		47	6185	14.60		16.00								15.10	16.00		17.87	19.00	
	111	6505	15.00	16.00	15.60	16.00	18.32	19.00											
	175	6825	15.10	17.00	16.60	17.00	18.92	20.00											
	207	6985	15.40	17.00	16.20	17.00	18.83	20.00											

WLAN Power Index 6

2.4GHz WLAN				Ant 4+3(4)			Ant 4+3(3)			Ant 4+3		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	22.65	23.00	98.90	22.75	23.00	98.90			
		6	2437	22.85	23.00		22.75	23.00				
		11	2462	22.75	23.00		22.95	23.00				
		12	2467	22.75	23.00		22.95	23.00				
		13	2472	20.25	20.50		19.25	20.00				
	802.11g 6Mbps	1	2412	21.65	23.00	93.40	21.35	23.00	93.40	24.51	26.00	93.40
		6	2437	22.75	23.00		22.05	23.00		25.42	26.00	
		11	2462	18.85	19.50		19.25	19.50		22.06	22.50	
		12	2467	14.45	15.50		15.25	15.50		17.88	18.50	
		13	2472	12.15	13.00		12.65	13.00		15.42	16.00	
	802.11n-HT20 MCS0	1	2412	20.65	21.00	92.90	20.45	21.00	92.90	23.56	24.00	92.90
		6	2437	22.55	23.00		22.15	23.00		25.36	26.00	
		11	2462	17.55	19.00		18.25	19.00		20.92	22.00	
		12	2467	13.75	14.50		14.25	14.50		17.02	17.50	
		13	2472	11.25	12.00		11.65	12.00		14.46	15.00	
	802.11ac-VHT20 MCS0	1	2412	20.75	21.00	93.00	20.55	21.00	93.00	23.66	24.00	93.00
		6	2437	22.65	23.00		22.25	23.00		25.46	26.00	
		11	2462	17.65	19.00		18.35	19.00		21.02	22.00	
		12	2467	13.85	14.50		14.35	14.50		17.12	17.50	
		13	2472	11.35	12.00		11.75	12.00		14.56	15.00	
802.11ax-HE20 MCS0	1	2412	20.85	21.00	95.90	20.65	21.00	95.90	23.76	24.00	95.90	
	6	2437	22.75	23.00		22.35	23.00		25.56	26.00		
	11	2462	17.75	19.00		18.45	19.00		21.12	22.00		
	12	2467	13.95	15.00		14.45	15.00		17.22	18.00		
	13	2472	11.45	12.00		11.85	12.00		14.66	15.00		



FCC SAR TEST REPORT

Report No. : FA102919-05E

5.2GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8		
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	19.50	Not Required	Not Required	19.50	Not Required	Not Required	22.50
40			5200	19.50		22.50						
44			5220	19.50		22.50						
48			5240	19.50		22.50						
802.11n-HT20 MCS0		36	5180	19.50		22.50						
		40	5200	19.50		22.50						
		44	5220	19.50		22.50						
		48	5240	19.50		22.50						
802.11n-HT40 MCS0		38	5190	16.00		19.00						
		46	5230	19.50		22.50						
802.11ac-VHT20 MCS0		36	5180	19.50		22.50						
		40	5200	19.50		22.50						
		44	5220	19.50		22.50						
		48	5240	19.50		22.50						
802.11ac-VHT40 MCS0		38	5190	16.00		19.00						
		46	5230	19.50		22.50						
802.11ac-VHT80 MCS0		42	5210	16.00		19.00						
802.11ax-HE20 MCS0		36	5180	19.50		22.50						
		40	5200	19.50		22.50						
		44	5220	19.50		22.50						
	48	5240	19.50	22.50								
802.11ax-HE40 MCS0	38	5190	16.50	19.50								
	46	5230	19.50	22.50								
802.11ax-HE80 MCS0	42	5210	16.00	19.00								



5.3GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
802.11a 6Mbps	52	5260	18.50	19.50	93.50	19.15	19.50	93.50	21.85	22.50	93.50		
	56	5280	19.10	19.50		19.15	19.50		22.14	22.50			
	60	5300	19.10	19.50		19.15	19.50		22.14	22.50			
	64	5320	19.00	19.50		19.15	19.50		22.09	22.50			
802.11n- HT20 MCS0	52	5260	Not Required	19.50	Not Required	Not Required	19.50	Not Required	Not Required	22.50	Not Required		
	56	5280		19.50			19.50			22.50			
	60	5300		19.50			19.50			22.50			
	64	5320		19.50			19.50			22.50			
802.11n- HT40 MCS0	54	5270	19.30	19.50	86.84	19.05	19.50	86.84	22.19	22.50	86.84		
	62	5310	16.10	16.50		15.85	16.50		18.99	19.50			
802.11ac- VHT20 MCS0	52	5260	Not Required	19.50	Not Required	Not Required	19.50	Not Required	Not Required	22.50	Not Required		
	56	5280		19.50			19.50			22.50			
	60	5300		19.50			19.50			22.50			
	64	5320		19.50			19.50			22.50			
802.11ac- VHT40 MCS0	54	5270		19.50			19.50			19.50		19.50	22.50
	62	5310		16.50			16.50			16.50		16.50	19.50
802.11ac- VHT80 MCS0	58	5290		16.50			16.50			16.50		16.50	19.50
802.11ac- VHT160 MCS0	50	5250		16.50			16.50			16.50		16.50	19.50
802.11ax- HE20 MCS0	52	5260		19.50			19.50			19.50		19.50	22.50
	56	5280		19.50			19.50			19.50		19.50	22.50
	60	5300		19.50			19.50			19.50		19.50	22.50
	64	5320		19.50			19.50			19.50		19.50	22.50
802.11ax- HE40 MCS0	54	5270		19.50			19.50			19.50		19.50	22.50
	62	5310		16.50			16.50			16.50		16.50	19.50
802.11ax- HE80 MCS0	58	5290		16.50			16.50			16.50		16.50	19.50
802.11ax- HE160 MCS0	50	5250		16.50			16.50			16.50		16.50	19.50



5.5GHz WLAN				Ant 4+8(4)		Ant 4+8(8)		Ant 4+8		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	Not Required	20.00	Not Required	20.00	Not Required	23.00	Not Required	
	116	5580		18.00		21.00				
	124	5620		16.50		19.50				
	132	5660		16.50		19.50				
	140	5700		16.00		19.00				
	144	5720		16.00		19.00				
802.11n-HT20 MCS0	100	5500	Not Required	20.00	Not Required	20.00	Not Required	23.00	Not Required	
	116	5580		17.00		20.00				
	124	5620		16.50		19.50				
	132	5660		16.50		19.50				
	140	5700		16.50		19.50				
	144	5720		16.50		19.50				
802.11n-HT40 MCS0	102	5510	16.10	16.50	16.35	16.50	19.24	19.50	86.84	
	110	5550	20.50	21.00	20.75	21.00	23.64	24.00		
	126	5630	19.40	19.50	19.40	19.50	22.40	22.50		
	134	5670	17.00	18.00	17.45	18.00	20.24	21.00		
	142	5710	16.10	18.00	16.45	18.00	19.29	21.00		
802.11ac-VHT20 MCS0	100	5500	Not Required	20.00	Not Required	20.00	Not Required	23.00	Not Required	
	116	5580		17.00		20.00				
	124	5620		16.50		19.50				
	132	5660		16.50		19.50				
	140	5700		16.50		19.50				
	144	5720		16.50		19.50				
802.11ac-VHT40 MCS0	102	5510	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required	
	110	5550		21.00		24.00				
	126	5630		19.50		22.50				
	134	5670		18.00		21.00				
	142	5710		18.00		21.00				
802.11ac-VHT80 MCS0	106	5530	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required	
	122	5610		20.00		23.00				
	138	5690		19.00		22.00				
802.11ac-VHT160 MCS0	114	5570	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required	
802.11ax-HE20 MCS0	100	5500	Not Required	20.00	Not Required	20.00	Not Required	23.00	Not Required	
	116	5580		17.5		20.5				
	124	5620		16.50		19.50				
	132	5660		16.50		19.50				
	140	5700		16.50		19.50				
	144	5720		16.50		19.50				
802.11ax-HE40 MCS0	102	5510	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required	
	110	5550		21.00		24.00				
	126	5630		19.50		22.50				
	134	5670		18.00		21.00				
	142	5710		18.00		21.00				
802.11ax-HE80 MCS0	106	5530	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required	
	122	5610		20.00		23.00				
	138	5690		19.00		22.00				
802.11ax-HE160 MCS0	114	5570	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required	



5.8GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8		
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	15.00	Not Required	Not Required	21.00	Not Required	Not Required	21.97
157			5785	15.00		21.00			21.97			
165			5825	15.00		21.00			21.97			
802.11n-HT20 MCS0		149	5745	Not Required	15.00	Not Required	Not Required	21.00	Not Required	Not Required	21.97	Not Required
		157	5785		15.00			21.00			21.97	
		165	5825		15.00			21.00			21.97	
802.11n-HT40 MCS0		151	5755	15.10	16.00	86.84	20.75	21.00	86.84	21.80	22.19	86.84
		159	5795	15.60	16.00			20.85			21.00	
802.11ac-VHT20 MCS0		149	5745	Not Required	15.50	Not Required	Not Required	21.00	Not Required	Not Required	22.08	Not Required
		157	5785		15.50			21.00			22.08	
802.11ac-VHT40 MCS0		151	5755	Not Required	16.00	Not Required	Not Required	21.00	Not Required	Not Required	22.19	Not Required
		159	5795		16.00			21.00			22.19	
802.11ac-VHT80 MCS0	155	5775	18.00	18.00	88.10	20.75	21.00	88.10	22.60	22.76	88.10	
802.11ax-HE20 MCS0	149	5745	Not Required	15.00	Not Required	Not Required	21.00	Not Required	Not Required	21.97	Not Required	
	157	5785		15.00			21.00			21.97		
	165	5825		15.00			21.00			21.97		
802.11ax-HE40 MCS0	151	5755	Not Required	16.00	Not Required	Not Required	21.00	Not Required	Not Required	22.19	Not Required	
	159	5795		16.00			21.00			22.19		
802.11ax-HE80 MCS0	155	5775	18.00	18.00		21.00			22.76			



UNII 4 WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8			
5.9GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
	802.11a 6Mbps	169	5845	Not Required	21.50	Not Required	Not Required	21.50	Not Required	Not Required	24.50	Not Required	
		173	5865										24.50
		177	5885										24.50
	802.11n-HT20 MCS0	169	5845	Not Required	21.50	Not Required	Not Required	21.50	Not Required	Not Required	24.50	Not Required	
		173	5865										24.50
		177	5885										24.50
	802.11n-HT40 MCS0	167	5835	20.10	21.50	96.79	20.60	21.50	96.79	23.37	24.50	96.79	
		175	5875	20.10	21.50								23.31
	802.11ac-VHT20 MCS0	169	5845	Not Required	21.50	Not Required	Not Required	21.50	Not Required	Not Required	24.50	Not Required	
		173	5865										24.50
		177	5885										24.50
	802.11ac-VHT40 MCS0	167	5835	Not Required	21.50	Not Required	Not Required	21.50	Not Required	Not Required	24.50	Not Required	
		175	5875										21.50
802.11ac-VHT80 MCS0	171	5855	Not Required	20.50	Not Required	Not Required	20.50	Not Required	Not Required	23.50	Not Required		
802.11ac-VHT160 MCS0	163	5815										20.50	
802.11ax-HE20 MCS0	169	5845	Not Required	21.50	Not Required	Not Required	21.50	Not Required	Not Required	24.50	Not Required		
	173	5865										21.50	
	177	5885										21.50	
802.11ax-HE40 MCS0	167	5835	Not Required	21.50	Not Required	Not Required	21.50	Not Required	Not Required	24.50	Not Required		
	175	5875										21.50	
802.11ax-HE80 MCS0	171	5855	Not Required	20.50	Not Required	Not Required	20.50	Not Required	Not Required	23.50	Not Required		
802.11ax-HE160 MCS0	163	5815										20.50	



WiFi 6E				Ant 4			Ant 8			Ant 4+8									
WiFi 6E	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %							
	WiFi 6E	802.11a 6Mbps	1	5955	Not Required	7.00	Not Required	Not Required	7.00	Not Required	Not Required	10.00	Not Required						
57			6235	7.00		10.00													
113			6515	7.00		10.00													
173			6815	8.50		11.50													
802.11ax-HE20 MCS0		1	5955	7.00		10.00													
		57	6235	7.00		10.00													
		113	6515	7.00		10.00													
		173	6815	8.50		11.50													
802.11ax-HE40 MCS0		3	5965	11.00		14.00													
		59	6245	11.00		14.00													
		107	6485	11.00		14.00													
		171	6805	11.00		14.00													
		227	7085	11.00		14.00													
802.11ax-HE80 MCS0		7	5985	13.00		16.00													
		71	6305	13.00		16.00													
		119	6545	13.00		16.00													
		167	6785	14.00		17.00													
		215	7025	13.00		16.00													
802.11ax-HE160 MCS0		15	6025	14.70		16.00			92.19			92.19		15.10	16.00	92.19	17.91	19.00	96.03
		47	6185	14.60		16.00								15.10	16.00		17.87	19.00	
	111	6505	15.00	16.00	15.60	16.00	18.32	19.00											
	175	6825	15.10	17.00	16.60	17.00	18.92	20.00											
	207	6985	15.40	17.00	16.20	17.00	18.83	20.00											



WLAN Power Index 7

2.4GHz WLAN				Ant 4+3(4)			Ant 4+3(3)			Ant 4+3		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.55	21.50	98.90	19.65	21.00	98.90			
		6	2437	20.55	21.50		19.65	21.00				
		11	2462	20.45	21.50		19.75	21.00				
		12	2467	20.00	21.50		19.50	21.00				
		13	2472	19.80	20.50		19.40	20.00				
	802.11g 6Mbps	1	2412	19.15	21.00	93.40	19.00	21.00	93.40	22.09	24.00	93.40
		6	2437	19.25	21.00		19.00	21.00		22.14	24.00	
		11	2462	18.85	19.50		19.25	19.50		22.06	22.50	
		12	2467	14.45	15.50		15.25	15.50		17.88	18.50	
		13	2472	12.15	13.00		12.65	13.00		15.42	16.00	
	802.11n-HT20 MCS0	1	2412	Not Required	21.00	Not Required	Not Required	21.00	Not Required	Not Required	24.00	Not Required
		6	2437		21.00			21.00			24.00	
		11	2462		19.00			19.00			22.00	
		12	2467		14.50			14.50			17.50	
		13	2472		12.00			12.00			15.00	
	802.11ac-VHT20 MCS0	1	2412	Not Required	21.00	Not Required	Not Required	21.00	Not Required	Not Required	24.00	Not Required
		6	2437		21.00			21.00			24.00	
		11	2462		19.00			19.00			22.00	
		12	2467		14.50			14.50			17.50	
	802.11ax-HE20 MCS0	1	2412	Not Required	21.00	Not Required	Not Required	21.00	Not Required	Not Required	24.00	Not Required
6		2437	21.00		21.00			24.00				
11		2462	19.00		19.00			22.00				
12		2467	15.00		15.00			18.00				
13		2472	12.00		12.00			15.00				



5.2GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8			
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
	5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	18.00	Not Required	Not Required	18.00	Not Required	Not Required	21.00	Not Required
40			5200	18.00		21.00							
44			5220	18.00		21.00							
48			5240	18.00		21.00							
802.11n-HT20 MCS0		36	5180	Not Required	18.00	Not Required	Not Required	18.00	Not Required	Not Required	21.00	Not Required	
		40	5200		18.00			21.00					
		44	5220		18.00			21.00					
		48	5240		18.00			21.00					
802.11n-HT40 MCS0		38	5190	16.00	16.00	86.84	15.80	16.00	86.84	18.91	19.00	86.84	
		46	5230	17.40	18.00		17.25	18.00		20.34	21.00		
802.11ac-VHT20 MCS0		36	5180	Not Required	18.00	Not Required	Not Required	18.00	Not Required	Not Required	Not Required	21.00	Not Required
		40	5200		18.00			21.00					
		44	5220		18.00			21.00					
		48	5240		18.00			21.00					
802.11ac-VHT40 MCS0		38	5190	Not Required	16.00	Not Required	Not Required	16.00	Not Required	Not Required	19.00	Not Required	
		46	5230		18.00			21.00					
802.11ac-VHT80 MCS0		42	5210	Not Required	16.00	Not Required	Not Required	16.00	Not Required	Not Required	19.00	Not Required	
802.11ax-HE20 MCS0		36	5180		18.00			21.00					
		40	5200		18.00			21.00					
		44	5220		18.00			21.00					
	48	5240	18.00	21.00									
802.11ax-HE40 MCS0	38	5190	Not Required	16.50	Not Required	Not Required	16.50	Not Required	Not Required	19.50	Not Required		
	46	5230		18.00			21.00						
802.11ax-HE80 MCS0	42	5210	Not Required	16.00	Not Required	Not Required	16.00	Not Required	Not Required	19.00	Not Required		



5.3GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	18.00	Not Required	Not Required	18.00	Not Required	Not Required	21.00	Not Required
		56	5280		18.00			21.00				
		60	5300		18.00			21.00				
		64	5320		18.00			21.00				
	802.11n-HT20 MCS0	52	5260	Not Required	18.00	Not Required	Not Required	18.00	Not Required	Not Required	21.00	Not Required
		56	5280		18.00			21.00				
		60	5300		18.00			21.00				
		64	5320		18.00			21.00				
	802.11n-HT40 MCS0	54	5270	16.40	18.00	86.84	16.35	18.00	86.84	19.39	21.00	86.84
		62	5310	16.10	16.50		15.85	16.50		18.99	19.50	
	802.11ac-VHT20 MCS0	52	5260	Not Required	18.00	Not Required	Not Required	18.00	Not Required	Not Required	21.00	Not Required
		56	5280		18.00			21.00				
		60	5300		18.00			21.00				
		64	5320		18.00			21.00				
	802.11ac-VHT40 MCS0	54	5270	Not Required	18.00	Not Required	Not Required	18.00	Not Required	Not Required	21.00	Not Required
		62	5310		16.50			16.50			19.50	
	802.11ac-VHT80 MCS0	58	5290	Not Required	16.50	Not Required	Not Required	16.50	Not Required	Not Required	19.50	Not Required
	802.11ac-VHT160 MCS0	50	5250		16.50			16.50			19.50	
	802.11ax-HE20 MCS0	52	5260	Not Required	18.00	Not Required	Not Required	18.00	Not Required	Not Required	21.00	Not Required
		56	5280		18.00			21.00				
		60	5300		18.00			21.00				
		64	5320		18.00			21.00				
	802.11ax-HE40 MCS0	54	5270	Not Required	18.00	Not Required	Not Required	18.00	Not Required	Not Required	21.00	Not Required
		62	5310		16.50			16.50			19.50	
	802.11ax-HE80 MCS0	58	5290	Not Required	16.50	Not Required	Not Required	16.50	Not Required	Not Required	19.50	Not Required
	802.11ax-HE160 MCS0	50	5250		16.50			16.50			19.50	



5.5GHz WLAN				Ant 4+8(4)		Ant 4+8(8)		Ant 4+8		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	Not Required	20.50	Not Required	20.50	Not Required	23.50	Not Required	
	116	5580		18.00		18.00		21.00		
	124	5620		16.50		16.50		19.50		
	132	5660		16.50		16.50		19.50		
	140	5700		16.00		16.00		19.00		
	144	5720		16.00		16.00		19.00		
802.11n-HT20 MCS0	100	5500	Not Required	20.50	Not Required	20.50	Not Required	23.50	Not Required	
	116	5580		17.00		17.00		20.00		
	124	5620		16.50		16.50		19.50		
	132	5660		16.50		16.50		19.50		
	140	5700		16.50		16.50		19.50		
	144	5720		16.50		16.50		19.50		
802.11n-HT40 MCS0	102	5510	16.50	16.50	16.40	16.50	19.46	19.50	86.84	
	110	5550	20.00	20.50	20.05	20.50	23.04	23.50		
	126	5630	19.40	19.50	19.30	19.50	22.40	22.50		
	134	5670	17.00	18.00	17.45	18.00	20.24	21.00		
	142	5710	16.10	18.00	16.45	18.00	19.29	21.00		
802.11ac- VHT20 MCS0	100	5500	Not Required	20.50	Not Required	20.50	Not Required	23.50	Not Required	
	116	5580		17.00		17.00		20.00		
	124	5620		16.50		16.50		19.50		
	132	5660		16.50		16.50		19.50		
	140	5700		16.50		16.50		19.50		
	144	5720		16.50		16.50		19.50		
802.11ac- VHT40 MCS0	102	5510	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required	
	110	5550		20.50		20.50		23.50		
	126	5630		19.50		19.50		22.50		
	134	5670		18.00		18.00		21.00		
	142	5710		18.00		18.00		21.00		
802.11ac- VHT80 MCS0	106	5530	16.50	17.00	17.00	17.00	19.77	20.00	88.10	
	122	5610	19.60	20.50	20.50	20.50	23.08	23.50		
	138	5690	18.50	19.00	19.00	19.00	21.77	22.00		
802.11ac- VHT160 MCS0	114	5570	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required	
802.11ax- HE20 MCS0	100	5500		20.50		20.50		23.50		
	116	5580		17.50		17.50		20.50		
	124	5620		16.50		16.50		19.50		
	132	5660		16.50		16.50		19.50		
	140	5700		16.50		16.50		19.50		
	144	5720		16.50		16.50		19.50		
802.11ax- HE40 MCS0	102	5510		17.00		17.00		20.00		
	110	5550		20.50		20.50		23.50		
	126	5630		19.50		19.50		22.50		
	134	5670		18.00		18.00		21.00		
802.11ax- HE80 MCS0	106	5530		17.50		17.50		20.50		
	122	5610		20.50		20.50		23.50		
	138	5690		19.00		19.00		22.00		
802.11ax- HE160 MCS0	114	5570	17.00	17.00	20.00					



5.8GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8								
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %						
	5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	15.00	Not Required	Not Required	20.50	Not Required	Not Required	21.58	Not Required					
157			5785	15.00		20.50			21.58									
165			5825	15.00		20.50			21.58									
802.11n-HT20 MCS0		149	5745	15.00		20.50			21.58									
		157	5785	15.00		20.50			21.58									
		165	5825	15.00		20.50			21.58									
802.11n-HT40 MCS0		151	5755	16.00		20.50			21.82									
		159	5795	16.00		20.50			21.82									
802.11ac-VHT20 MCS0		149	5745	15.50		20.50			21.69									
		157	5785	15.50		20.50			21.69									
		165	5825	15.50		20.50			21.69									
802.11ac-VHT40 MCS0		151	5755	16.00		20.50			21.82									
		159	5795	16.00		20.50			21.82									
802.11ac-VHT80 MCS0		155	5775	18.00		18.00			88.10			19.55		20.50	88.10	21.85	22.44	88.10
802.11ax-HE20 MCS0		149	5745	Not Required		15.00			Not Required			Not Required		20.50	Not Required	Not Required	21.58	Not Required
	157	5785	15.00		20.50	21.58												
	165	5825	15.00		20.50	21.58												
802.11ax-HE40 MCS0	151	5755	16.00		20.50	21.82												
	159	5795	16.00		20.50	21.82												
802.11ax-HE80 MCS0	155	5775	18.00		18.00	88.10	19.55	20.50		88.10	21.85		22.44	88.10				



UNII 4 WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8											
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %										
5.9GHz WLAN	802.11a 6Mbps	169	5845	Not Required	20.00	Not Required	Not Required	20.00	Not Required	Not Required	23.00										
		173	5865									23.00									
		177	5885									23.00									
	802.11n-HT20 MCS0	169	5845									20.00	23.00								
		173	5865									20.00	23.00								
		177	5885									20.00	23.00								
	802.11n-HT40 MCS0	167	5835									20.00	23.00								
		175	5875									20.00	23.00								
	802.11ac-VHT20 MCS0	169	5845									20.00	23.00								
		173	5865									20.00	23.00								
		177	5885									20.00	23.00								
	802.11ac-VHT40 MCS0	167	5835									20.00	23.00								
		175	5875									20.00	23.00								
	802.11ac-VHT80 MCS0	171	5855									20.00	23.00								
	802.11ac-VHT160 MCS0	163	5815									18.70	20.00	88.10	19.10	20.00	88.10	21.91	23.00	88.10	
	802.11ax-HE20 MCS0	169	5845									Not Required	20.00	Not Required	Not Required	20.00	Not Required	Not Required	23.00		
		173	5865																	23.00	
		177	5885																	23.00	
	802.11ax-HE40 MCS0	167	5835																	20.00	23.00
		175	5875																	20.00	23.00
802.11ax-HE80 MCS0	171	5855	20.00	23.00																	
802.11ax-HE160 MCS0	163	5815	20.00	23.00																	



WiFi 6E				Ant 4			Ant 8			Ant 4+8								
WiFi 6E	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %						
	WiFi 6E	802.11a 6Mbps	1	5955	Not Required	7.00	Not Required	Not Required	7.00	Not Required	Not Required	10.00	Not Required					
57			6235	7.00		7.00			10.00									
113			6515	7.00		7.00			10.00									
173			6815	8.50		8.50			11.50									
802.11ax-HE20 MCS0		1	5955	7.00		7.00			10.00									
		57	6235	7.00		7.00			10.00									
		113	6515	7.00		7.00			10.00									
		173	6815	8.50		8.50			11.50									
802.11ax-HE40 MCS0		3	5965	11.00		11.00			14.00									
		59	6245	11.00		11.00			14.00									
		107	6485	11.00		11.00			14.00									
		171	6805	11.00		11.00			14.00									
		227	7085	11.00		11.00			14.00									
802.11ax-HE80 MCS0		7	5985	13.00		13.00			16.00									
		71	6305	13.00		13.00			16.00									
		119	6545	13.00		13.00			16.00									
		167	6785	14.00		14.00			17.00									
		215	7025	13.00		13.00			16.00									
802.11ax-HE160 MCS0		15	6025	14.70		16.00			92.19			15.10		16.00	92.19	17.91	19.00	96.03
		47	6185	14.60		16.00						15.10		16.00		17.87	19.00	
	111	6505	15.00	16.00	15.60	16.00	18.32	19.00										
	175	6825	15.10	17.00	16.60	17.00	18.92	20.00										
	207	6985	15.40	17.00	16.20	17.00	18.83	20.00										



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2.4GHz WLAN				Ant 4+3(4)			Ant 4+3(3)			Ant 4+3		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	14.00	15.50	98.90	13.90	15.00	98.90			
		6	2437	14.20	15.50		14.00	15.00				
		11	2462	14.10	15.50		13.90	15.00				
		12	2467	13.90	15.50		13.80	15.00				
		13	2472	13.90	15.50		13.80	15.00				
	802.11g 6Mbps	1	2412	14.25	15.00	93.40	14.15	15.00	93.40	17.21	18.00	93.40
		6	2437	14.25	15.00		14.15	15.00		17.21	18.00	
		11	2462	13.95	15.00		14.45	15.00		17.22	18.00	
		12	2467	13.90	15.00		13.90	15.00		16.91	18.00	
		13	2472	12.80	13.00		12.90	13.00		15.86	16.00	
	802.11n-HT20 MCS0	1	2412	Not Required	15.00	Not Required	Not Required	15.00	Not Required	Not Required	18.00	Not Required
		6	2437		15.00			15.00			18.00	
		11	2462		15.00			15.00			18.00	
		12	2467		14.50			14.50			17.50	
		13	2472		12.00			12.00			15.00	
	802.11ac-VHT20 MCS0	1	2412	Not Required	15.00	Not Required	Not Required	15.00	Not Required	Not Required	18.00	Not Required
		6	2437		15.00			15.00			18.00	
		11	2462		15.00			15.00			18.00	
		12	2467		14.50			14.50			17.50	
	802.11ax-HE20 MCS0	1	2412	Not Required	15.00	Not Required	Not Required	15.00	Not Required	Not Required	18.00	Not Required
6		2437	15.00		15.00			18.00				
11		2462	15.00		15.00			18.00				
12		2467	15.00		15.00			18.00				
13		2472	12.00		12.00			15.00				



5.2GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required
		40	5200		14.50			17.50				
		44	5220		14.50			17.50				
		48	5240		14.50			17.50				
	802.11n-HT20 MCS0	36	5180	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required
		40	5200		14.50			17.50				
		44	5220		14.50			17.50				
		48	5240		14.50			17.50				
	802.11n-HT40 MCS0	38	5190	13.00	14.50	86.84	13.20	14.50	86.84	16.11	17.50	86.84
		46	5230	13.10	14.50		13.20	14.50		16.16	17.50	
	802.11ac-VHT20 MCS0	36	5180	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required
		40	5200		14.50			17.50				
		44	5220		14.50			17.50				
		48	5240		14.50			17.50				
	802.11ac-VHT40 MCS0	38	5190	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required
		46	5230		14.50			17.50				
	802.11ac-VHT80 MCS0	42	5210	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required
	802.11ax-HE20 MCS0	36	5180		14.50			17.50				
		40	5200	14.50	17.50							
		44	5220	14.50	17.50							
48		5240	14.50	17.50								
802.11ax-HE40 MCS0	38	5190	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required	
	46	5230		14.50			17.50					
802.11ax-HE80 MCS0	42	5210	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required	



5.3GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8											
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %										
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	16.50	Not Required	Not Required	16.50	Not Required	Not Required	19.50	Not Required									
		56	5280																		
		60	5300																		
		64	5320																		
	802.11n-HT20 MCS0	52	5260																		
		56	5280																		
		60	5300																		
		64	5320																		
	802.11n-HT40 MCS0	54	5270																		
		62	5310																		
	802.11ac-VHT20 MCS0	52	5260																		
		56	5280																		
		60	5300																		
		64	5320																		
	802.11ac-VHT40 MCS0	54	5270																		
		62	5310																		
	802.11ac-VHT80 MCS0	58	5290																		
		16.40	5250										16.50	87.80	16.05	16.50	87.80	19.24	19.50	87.80	
	802.11ax-HE20 MCS0	52	5260										Not Required	16.50	Not Required	Not Required	16.50	Not Required	Not Required	19.50	Not Required
		56	5280																		
60		5300																			
64		5320																			
802.11ax-HE40 MCS0	54	5270																			
	62	5310																			
802.11ax-HE80 MCS0	58	5290																			
802.11ax-HE160 MCS0	50	5250																			



5.5GHz WLAN				Ant 4+8(4)		Ant 4+8(8)		Ant 4+8		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required	
	116	5580		18.00		21.00				
	124	5620		16.50		19.50				
	132	5660		16.50		22.00				
	140	5700		16.00		19.00				
	144	5720		16.00		19.00				
802.11n-HT20 MCS0	100	5500	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required	
	116	5580		17.00		20.00				
	124	5620		16.50		19.50				
	132	5660		16.50		19.50				
	140	5700		16.50		19.50				
	144	5720		16.50		19.50				
802.11n-HT40 MCS0	102	5510	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required	
	110	5550		19.00		22.00				
	126	5630		19.00		22.00				
	134	5670		18.00		21.00				
802.11ac- VHT20 MCS0	100	5500	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required	
	116	5580		17.00		20.00				
	124	5620		16.50		19.50				
	132	5660		16.50		19.50				
	140	5700		16.50		19.50				
	144	5720		16.50		19.50				
802.11ac- VHT40 MCS0	102	5510	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required	
	110	5550		19.00		22.00				
	126	5630		19.00		22.00				
	134	5670		18.00		21.00				
802.11ac- VHT80 MCS0	106	5530	Not Required	16.70	Not Required	16.95	Not Required	19.84	88.10	
	122	5610		17.40		17.85		20.64		
	138	5690		17.50		18.15		20.85		
802.11ac- VHT160 MCS0	114	5570	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required	
802.11ax- HE20 MCS0	100	5500		19.00		19.00		22.00		
	116	5580		17.50		17.50		20.50		
	124	5620		16.50		16.50		19.50		
	132	5660		16.50		16.50		19.50		
	140	5700		16.50		16.50		19.50		
	144	5720	16.50	16.50	19.50					
802.11ax- HE40 MCS0	102	5510	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required	
	110	5550		19.00		19.00		22.00		
	126	5630		19.00		19.00		22.00		
	134	5670		18.00		18.00		21.00		
802.11ax- HE80 MCS0	106	5530	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required	
	122	5610		19.00		19.00		22.00		
	138	5690		19.00		19.00		22.00		
802.11ax- HE160 MCS0	114	5570	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required	



5.8GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8									
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %							
	5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	15.00	Not Required	Not Required	19.00	Not Required	Not Required	20.46	Not Required						
157			5785	15.00		19.00						20.46							
165			5825	15.00		19.00						20.46							
802.11n-HT20 MCS0		149	5745	15.00		19.00						20.46							
		157	5785	15.00		19.00						20.46							
		165	5825	15.00		19.00						20.46							
802.11n-HT40 MCS0		151	5755	16.00		19.00						20.76							
		159	5795	16.00		19.00						20.76							
802.11ac-VHT20 MCS0		149	5745	15.50		19.00						20.60							
		157	5785	15.50		19.00						20.60							
		165	5825	15.50		19.00						20.60							
802.11ac-VHT40 MCS0		151	5755	16.00		19.00						20.76							
		159	5795	16.00		19.00						20.76							
802.11ac-VHT80 MCS0		155	5775	18.00		18.00						88.10		18.90	19.00	88.10	21.48	21.54	88.10
802.11ax-HE20 MCS0		149	5745	Not Required		15.00						Not Required		Not Required	19.00	Not Required	Not Required	20.46	Not Required
	157	5785	15.00		19.00	20.46													
	165	5825	15.00		19.00	20.46													
802.11ax-HE40 MCS0	151	5755	16.00		19.00	20.76													
	159	5795	16.00		19.00	20.76													
802.11ax-HE80 MCS0	155	5775	18.00		18.00	88.10	18.90	19.00	88.10	21.48	21.54		88.10						



UNII 4 WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8								
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %							
5.9GHz WLAN	802.11a 6Mbps	169	5845	Not Required	18.00	Not Required	Not Required	18.00	Not Required	Not Required	21.00	Not Required						
		173	5865		18.00			21.00										
		177	5885		18.00			21.00										
	802.11n-HT20 MCS0	169	5845		18.00			21.00										
		173	5865		18.00			21.00										
		177	5885		18.00			21.00										
	802.11n-HT40 MCS0	167	5835		18.00			21.00										
		175	5875		18.00			21.00										
	802.11ac-VHT20 MCS0	169	5845		18.00			21.00										
		173	5865		18.00			21.00										
		177	5885		18.00			21.00										
	802.11ac-VHT40 MCS0	167	5835		18.00			21.00										
		175	5875		18.00			21.00										
	802.11ac-VHT80 MCS0	171	5855		18.00			21.00										
	802.11ac-VHT160 MCS0	163	5815		17.40			18.00			88.10		17.50	18.00	88.10	20.46	21.00	88.10
	802.11ax-HE20 MCS0	169	5845		Not Required			18.00			Not Required		Not Required	18.00	Not Required	Not Required	21.00	Not Required
		173	5865					18.00						21.00				
		177	5885					18.00						21.00				
802.11ax-HE40 MCS0	167	5835	18.00	21.00														
	175	5875	18.00	21.00														
802.11ax-HE80 MCS0	171	5855	18.00	21.00														
802.11ax-HE160 MCS0	163	5815	18.00	21.00														



WiFi 6E				Ant 4			Ant 8			Ant 4+8									
WiFi 6E	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %							
	WiFi 6E	802.11a 6Mbps	1	5955	Not Required	7.00	Not Required	Not Required	7.00	Not Required	Not Required	10.00	Not Required						
57			6235	7.00		10.00													
113			6515	7.00		10.00													
173			6815	8.50		11.50													
802.11ax-HE20 MCS0		1	5955	7.00		10.00													
		57	6235	7.00		10.00													
		113	6515	7.00		10.00													
		173	6815	8.50		11.50													
802.11ax-HE40 MCS0		3	5965	11.00		14.00													
		59	6245	11.00		14.00													
		107	6485	11.00		14.00													
		171	6805	11.00		14.00													
		227	7085	11.00		14.00													
802.11ax-HE80 MCS0		7	5985	13.00		16.00													
		71	6305	13.00		16.00													
		119	6545	13.00		16.00													
		167	6785	14.00		17.00													
		215	7025	13.00		16.00													
802.11ax-HE160 MCS0		15	6025	14.70		16.00			92.19			92.19		15.10	16.00	92.19	17.91	19.00	96.03
		47	6185	14.60		16.00								15.10	16.00		17.87	19.00	
	111	6505	15.00	16.00	15.60	16.00	18.32	19.00											
	175	6825	15.10	17.00	16.60	17.00	18.92	20.00											
	207	6985	15.40	17.00	16.20	17.00	18.83	20.00											



WLAN Power Index 9

5.2GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required
		40	5200		14.50			17.50				
		44	5220		14.50			17.50				
		48	5240		14.50			17.50				
	802.11n-HT20 MCS0	36	5180	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required
		40	5200		14.50			17.50				
		44	5220		14.50			17.50				
		48	5240		14.50			17.50				
	802.11n-HT40 MCS0	38	5190	13.00	14.50	86.84	13.20	14.50	86.84	16.11	17.50	86.84
		46	5230	13.10	14.50		13.20	14.50		16.16	17.50	
	802.11ac-VHT20 MCS0	36	5180	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required
		40	5200		14.50			17.50				
		44	5220		14.50			17.50				
		48	5240		14.50			17.50				
	802.11ac-VHT40 MCS0	38	5190	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required
		46	5230		14.50			17.50				
	802.11ac-VHT80 MCS0	42	5210	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required
	802.11ax-HE20 MCS0	36	5180		14.50			17.50				
		40	5200	14.50	17.50							
		44	5220	14.50	17.50							
48		5240	14.50	17.50								
802.11ax-HE40 MCS0	38	5190	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required	
	46	5230		14.50			17.50					
802.11ax-HE80 MCS0	42	5210	Not Required	14.50	Not Required	Not Required	14.50	Not Required	Not Required	17.50	Not Required	



5.3GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8								
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %						
	5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	16.50	Not Required	Not Required	16.50	Not Required	Not Required	19.50	Not Required					
56			5280	16.50		19.50												
60			5300	16.50		19.50												
64			5320	16.50		19.50												
802.11n-HT20 MCS0		52	5260	16.50		19.50												
		56	5280	16.50		19.50												
		60	5300	16.50		19.50												
		64	5320	16.50		19.50												
802.11n-HT40 MCS0		54	5270	16.50		19.50												
		62	5310	16.50		19.50												
802.11ac-VHT20 MCS0		52	5260	16.50		19.50												
		56	5280	16.50		19.50												
		60	5300	16.50		19.50												
		64	5320	16.50		19.50												
802.11ac-VHT40 MCS0		54	5270	16.50		19.50												
		62	5310	16.50		19.50												
802.11ac-VHT80 MCS0		58	5290	16.50		19.50												
		802.11ac-VHT160 MCS0	50	5250		16.40			16.50			87.80		16.05	16.50	87.80	19.24	19.50
802.11ax-HE20 MCS0		52	5260	Not Required		16.50			Not Required			Not Required		16.50	Not Required	Not Required	19.50	Not Required
		56	5280			16.50								19.50				
		60	5300			16.50								19.50				
		64	5320			16.50								19.50				
802.11ax-HE40 MCS0		54	5270			16.50								19.50				
		62	5310			16.50								19.50				
802.11ax-HE80 MCS0		58	5290			16.50								19.50				
802.11ax-HE160 MCS0		50	5250			16.50								19.50				



FCC SAR TEST REPORT

Report No. : FA102919-05E

5.5GHz WLAN				Ant 4+8(4)		Ant 4+8(8)		Ant 4+8		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required	
	116	5580		18.00		21.00				
	124	5620		16.50		19.50				
	132	5660		16.50		22.00				
	140	5700		16.00		19.00				
	144	5720		16.00		19.00				
802.11n-HT20 MCS0	100	5500	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required	
	116	5580		17.00		20.00				
	124	5620		16.50		19.50				
	132	5660		16.50		22.00				
	140	5700		16.50		19.50				
	144	5720		16.50		19.50				
802.11n-HT40 MCS0	102	5510	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required	
	110	5550		19.00		22.00				
	126	5630		19.00		22.00				
	134	5670		18.00		21.00				
802.11ac- VHT20 MCS0	100	5500	Not Required	19.00	Not Required	19.00	Not Required	22.00	Not Required	
	116	5580		17.00		20.00				
	124	5620		16.50		19.50				
	132	5660		16.50		19.50				
	140	5700		16.50		19.50				
	144	5720		16.50		19.50				
802.11ac- VHT40 MCS0	102	5510	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required	
	110	5550		19.00		22.00				
	126	5630		19.00		22.00				
	134	5670		18.00		21.00				
802.11ac- VHT80 MCS0	106	5530	16.70	17.00	16.95	17.00	19.84	20.00	88.10	
	122	5610	17.40	19.00	17.85	19.00	20.64	22.00		
	138	5690	17.50	19.00	18.15	19.00	20.85	22.00		
802.11ac- VHT160 MCS0	114	5570	Not Required	16.50	Not Required	16.50	Not Required	19.50	Not Required	
802.11ax- HE20 MCS0	100	5500		19.00		22.00				
	116	5580		17.50		20.50				
	124	5620		16.50		19.50				
	132	5660		16.50		19.50				
	140	5700		16.50		19.50				
	144	5720	16.50	19.50						
802.11ax- HE40 MCS0	102	5510	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required	
	110	5550		19.00		22.00				
	126	5630		19.00		22.00				
	134	5670		18.00		21.00				
802.11ax- HE80 MCS0	106	5530	Not Required	17.50	Not Required	17.50	Not Required	20.50	Not Required	
	122	5610		19.00		22.00				
	138	5690		19.00		22.00				
802.11ax- HE160 MCS0	114	5570	Not Required	17.00	Not Required	17.00	Not Required	20.00	Not Required	



5.8GHz WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8									
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %							
	5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	15.00	Not Required	Not Required	Not Required	Not Required	Not Required	20.46	Not Required						
157			5785	15.00		20.46													
165			5825	15.00		20.46													
802.11n-HT20 MCS0		149	5745	15.00		20.46													
		157	5785	15.00		20.46													
		165	5825	15.00		20.46													
802.11n-HT40 MCS0		151	5755	16.00		20.76													
		159	5795	16.00		20.76													
802.11ac-VHT20 MCS0		149	5745	15.50		20.60													
		157	5785	15.50		20.60													
		165	5825	15.50		20.60													
802.11ac-VHT40 MCS0		151	5755	16.00		20.76													
		159	5795	16.00		20.76													
802.11ac-VHT80 MCS0		155	5775	18.00		18.00						88.10		18.90	19.00	88.10	21.48	21.54	88.10
802.11ax-HE20 MCS0		149	5745	Not Required		15.00						Not Required		Not Required	Not Required	Not Required	Not Required	Not Required	20.46
	157	5785	15.00		20.46														
	165	5825	15.00		20.46														
802.11ax-HE40 MCS0	151	5755	16.00		20.76														
	159	5795	16.00		20.76														
802.11ax-HE80 MCS0	155	5775	18.00		18.00	88.10	18.90	19.00	88.10	21.48	21.54		88.10						



UNII 4 WLAN				Ant 4+8(4)			Ant 4+8(8)			Ant 4+8								
5.9GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %						
	5.9GHz WLAN	802.11a 6Mbps	169	5845	Not Required	18.00	Not Required	Not Required	18.00	Not Required	Not Required	21.00	Not Required					
173			5865	18.00		21.00												
177			5885	18.00		21.00												
802.11n-HT20 MCS0		169	5845	18.00		21.00												
		173	5865	18.00		21.00												
		177	5885	18.00		21.00												
802.11n-HT40 MCS0		167	5835	18.00		21.00												
		175	5875	18.00		21.00												
802.11ac-VHT20 MCS0		169	5845	18.00		21.00												
		173	5865	18.00		21.00												
		177	5885	18.00		21.00												
802.11ac-VHT40 MCS0		167	5835	18.00		21.00												
		175	5875	18.00		21.00												
802.11ac-VHT80 MCS0		171	5855	18.00		21.00												
802.11ac-VHT160 MCS0		163	5815	17.40		18.00			88.10			17.50		18.00	88.10	20.46	21.00	88.10
802.11ax-HE20 MCS0		169	5845	18.00		21.00												
		173	5865	18.00		21.00												
		177	5885	18.00		21.00												
802.11ax-HE40 MCS0	167	5835	18.00	21.00														
	175	5875	18.00	21.00														
802.11ax-HE80 MCS0	171	5855	18.00	21.00														
802.11ax-HE160 MCS0	163	5815	18.00	21.00														



WiFi 6E				Ant 4			Ant 8			Ant 4+8									
WiFi 6E	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %							
	WiFi 6E	802.11a 6Mbps	1	5955	Not Required	7.00	Not Required	Not Required	7.00	Not Required	Not Required	10.00	Not Required						
57			6235	7.00		10.00													
113			6515	7.00		10.00													
173			6815	8.50		11.50													
802.11ax-HE20 MCS0		1	5955	7.00		10.00													
		57	6235	7.00		10.00													
		113	6515	7.00		10.00													
		173	6815	8.50		11.50													
802.11ax-HE40 MCS0		3	5965	11.00		14.00													
		59	6245	11.00		14.00													
		107	6485	11.00		14.00													
		171	6805	11.00		14.00													
		227	7085	11.00		14.00													
802.11ax-HE80 MCS0		7	5985	13.00		16.00													
		71	6305	13.00		16.00													
		119	6545	13.00		16.00													
		167	6785	14.00		17.00													
		215	7025	13.00		16.00													
802.11ax-HE160 MCS0		15	6025	14.70		16.00			92.19			92.19		15.10	16.00	92.19	17.91	19.00	96.03
		47	6185	14.60		16.00								15.10	16.00		17.87	19.00	
	111	6505	15.00	16.00	15.60	16.00	18.32	19.00											
	175	6825	15.10	17.00	16.60	17.00	18.92	20.00											
	207	6985	15.40	17.00	16.20	17.00	18.83	20.00											

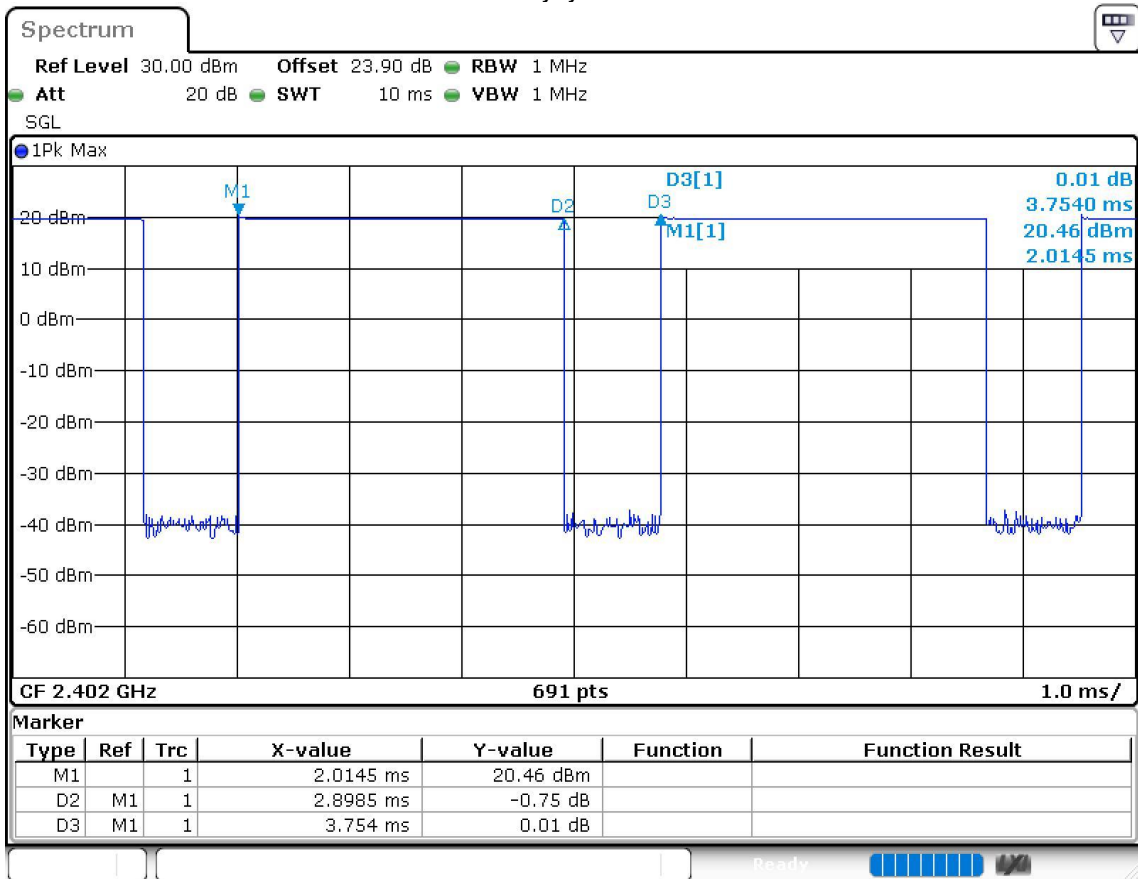


Bluetooth Power Index 1

Mode	Channel	Frequency (MHz)	Ant 4		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	10.85	Not Required	Not Required
	CH 39	2441	11.35		
	CH 78	2480	11.45		
Tune-up Limit			12	12	12

Mode	Channel	Frequency (MHz)	Ant 4	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	Not Required	Not Required
	CH 19	2440		
	CH 39	2480		
Tune-up Limit			12	12

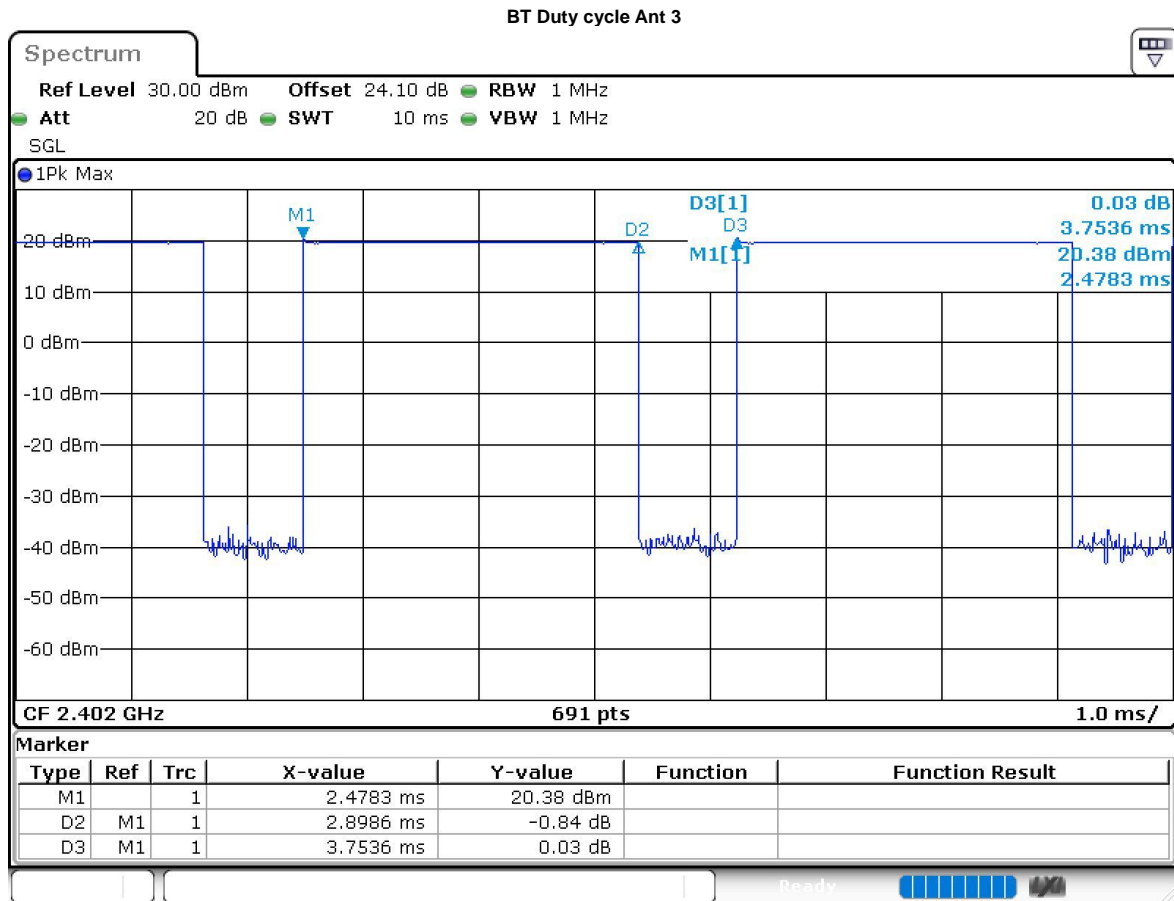
BT Duty cycle Ant 4





Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	14.55	Not Required	Not Required
	CH 39	2441	14.75		
	CH 78	2480	14.65		
Tune-up Limit			15	15	15

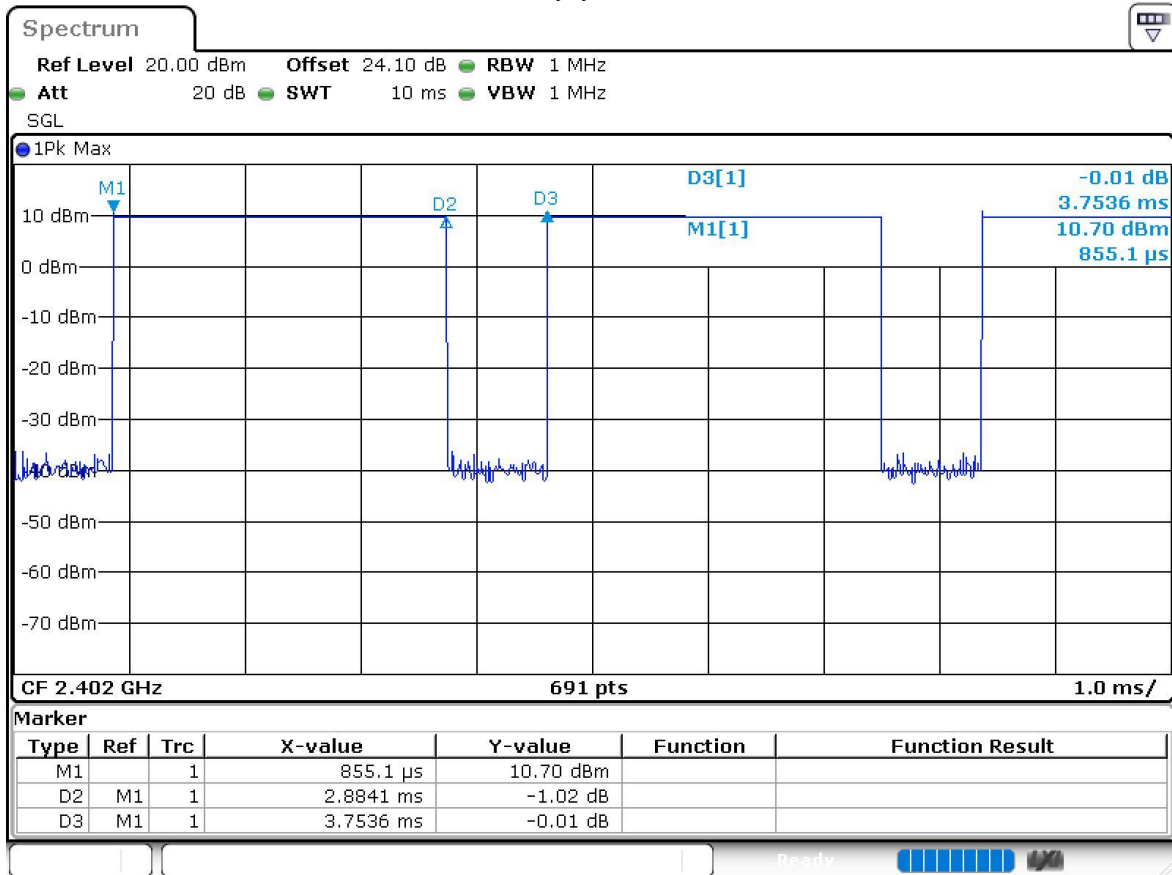
Mode	Channel	Frequency (MHz)	Ant 3	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	Not Required	Not Required
	CH 19	2440		
	CH 39	2480		
Tune-up Limit			15	15



			Ant 4+3								
Mode	Channel	Frequency (MHz)	Average power (dBm)_Ant 4+3(4)			Average power (dBm)_Ant 4+3(3)			Average power (dBm)_Ant 4+3		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	10.81			10.05			13.46		
	CH 39	2441	11.35	Not Required	Not Required	10.21	Not Required	Not Required	13.83	Not Required	Not Required
	CH 78	2480	11.48			10.13			13.87		
Tune-up Limit			12	12	12	12	12	12	15	15	15

			Ant 4+3					
Mode	Channel	Frequency (MHz)	Average power (dBm)_Ant 4+3(4)		Average power (dBm)_Ant 4+3(3)		Average power (dBm)_Ant 4+3	
			1Mbps	2Mbps	1Mbps	2Mbps	1Mbps	2Mbps
LE	CH 00	2402						
	CH 19	2440	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
	CH 39	2480						
Tune-up Limit			12	12	12	12	15	15

BT Duty cycle Ant 4+3

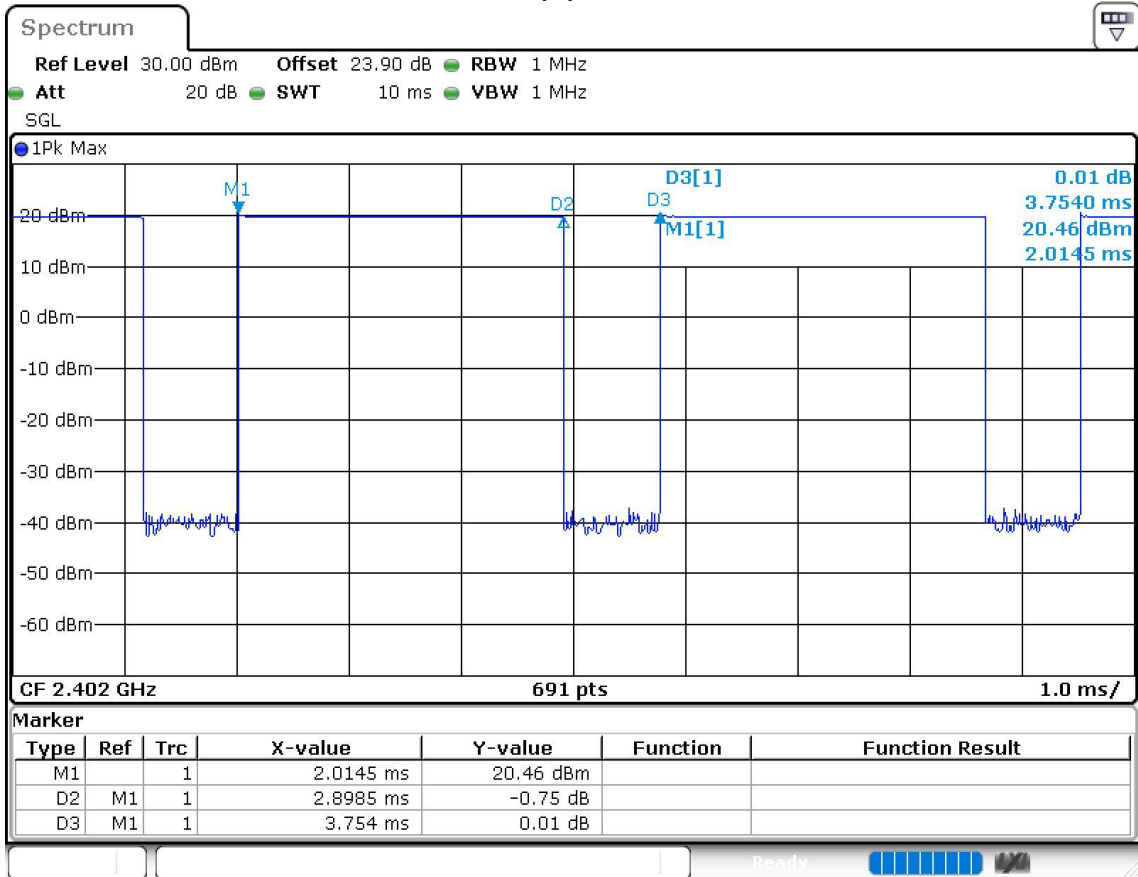


Bluetooth Power Index 2

Mode	Channel	Frequency (MHz)	Ant 4		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	19.91	18.05	18.06
	CH 39	2441	19.77	17.95	17.98
	CH 78	2480	19.73	17.54	17.59
Tune-up Limit			20.5	18.5	18.5

Mode	Channel	Frequency (MHz)	Ant 4	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	19.65	19.75
	CH 19	2440	19.15	19.35
	CH 39	2480	18.95	19.15
Tune-up Limit			20.5	20.5

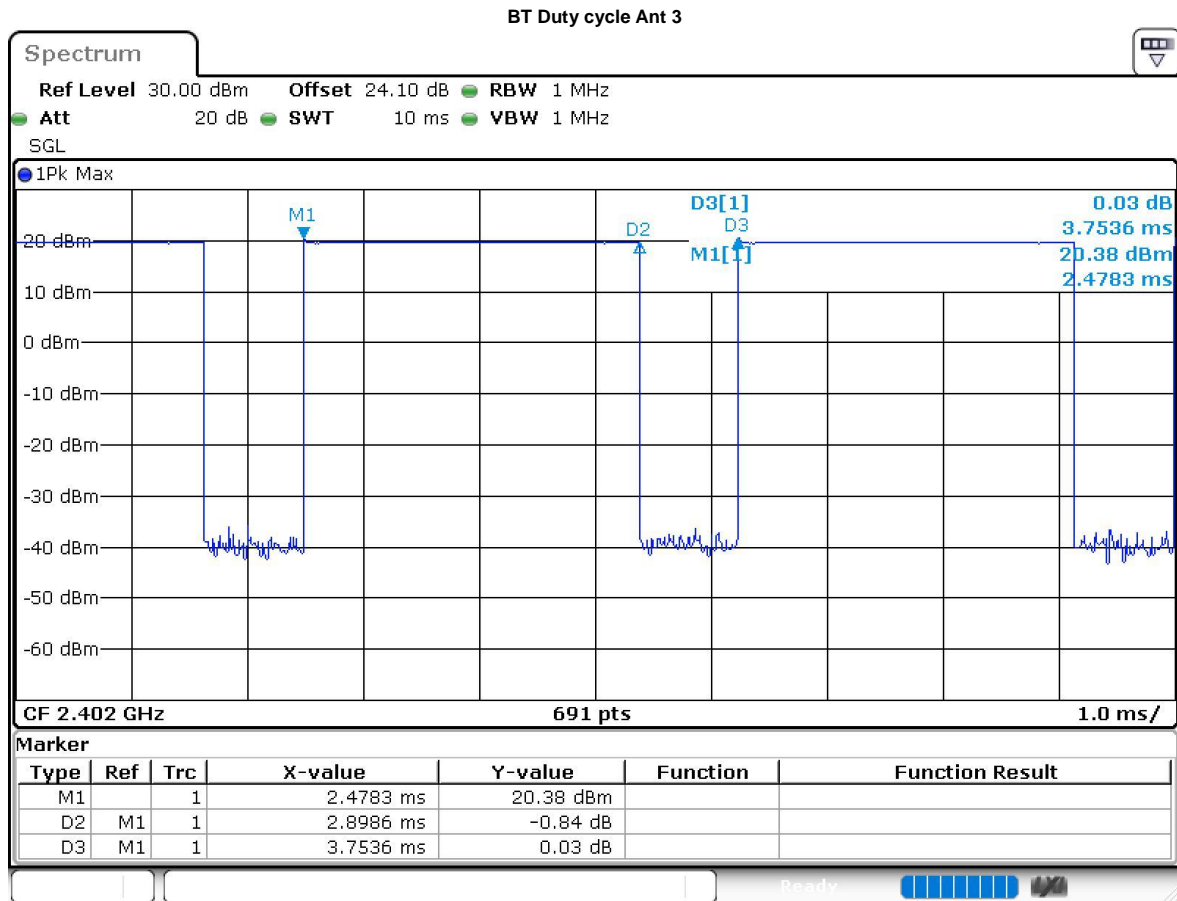
BT Duty cycle Ant 4





Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	19.99	18.03	18.12
	CH 39	2441	20.21	17.99	18.09
	CH 78	2480	19.91	18.35	18.37
Tune-up Limit			20.5	18.5	18.5

Mode	Channel	Frequency (MHz)	Ant 3	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	19.35	19.55
	CH 19	2440	19.75	19.95
	CH 39	2480	19.35	19.55
Tune-up Limit			20.5	20.5

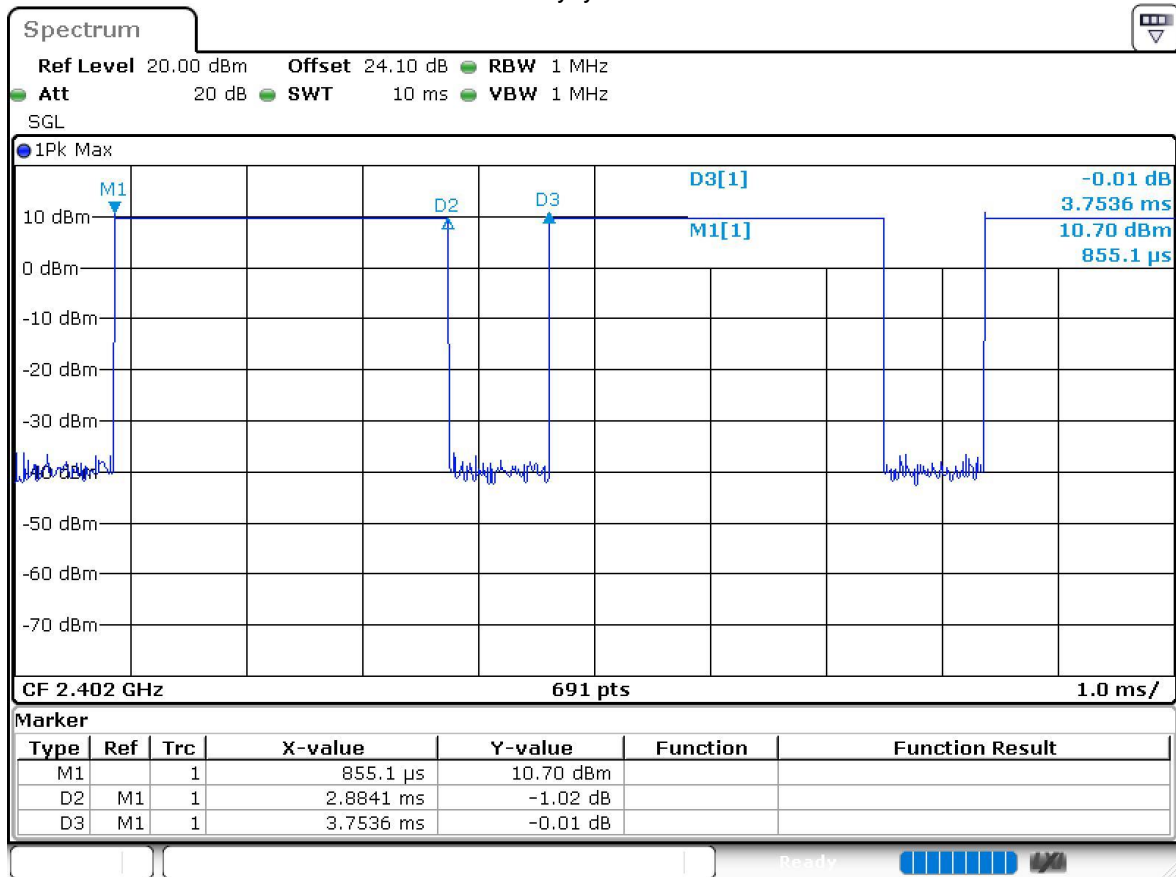




			Ant 4+3								
Mode	Channel	Frequency (MHz)	Average power (dBm)_Ant 4+3(4)			Average power (dBm)_Ant 4+3(3)			Average power (dBm)_Ant 4+3		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	16.07	14.52	14.61	16.33	14.53	14.58	19.21	17.54	17.61
	CH 39	2441	16.05	14.42	14.52	16.30	14.39	14.53	19.19	17.42	17.54
	CH 78	2480	16.13	14.39	14.63	16.69	15.14	15.23	19.43	17.79	17.95
Tune-up Limit			17.5	15.5	15.5	17.5	15.5	15.5	20.5	18.5	18.5

			Ant 4+3					
Mode	Channel	Frequency (MHz)	Average power (dBm)_Ant 4+3(4)		Average power (dBm)_Ant 4+3(3)		Average power (dBm)_Ant 4+3	
			1Mbps	2Mbps	1Mbps	2Mbps	1Mbps	2Mbps
LE	CH 00	2402	19.35	19.45	19.45	19.15	22.41	22.31
	CH 19	2440	19.15	19.45	19.55	19.85	22.36	22.66
	CH 39	2480	18.65	18.85	19.15	19.15	21.92	22.01
Tune-up Limit			20.5	20.5	20.5	20.5	23.5	23.5

BT Duty cycle Ant 4+3

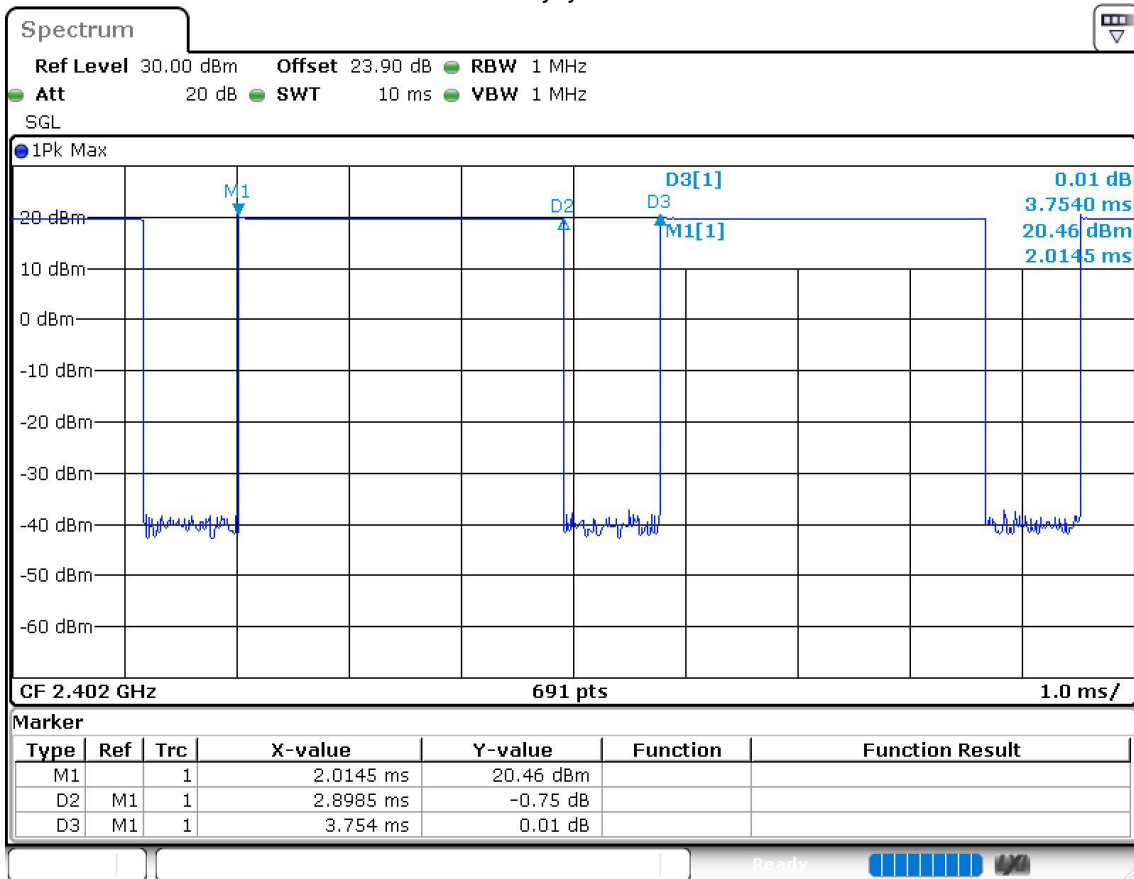


Bluetooth Power Index 3

Mode	Channel	Frequency (MHz)	Ant 4		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	18.05	Not Required	Not Required
	CH 39	2441	18.05		
	CH 78	2480	18.15		
Tune-up Limit			19	18.5	18.5

Mode	Channel	Frequency (MHz)	Ant 4	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	Not Required	Not Required
	CH 19	2440		
	CH 39	2480		
Tune-up Limit			19	18.5

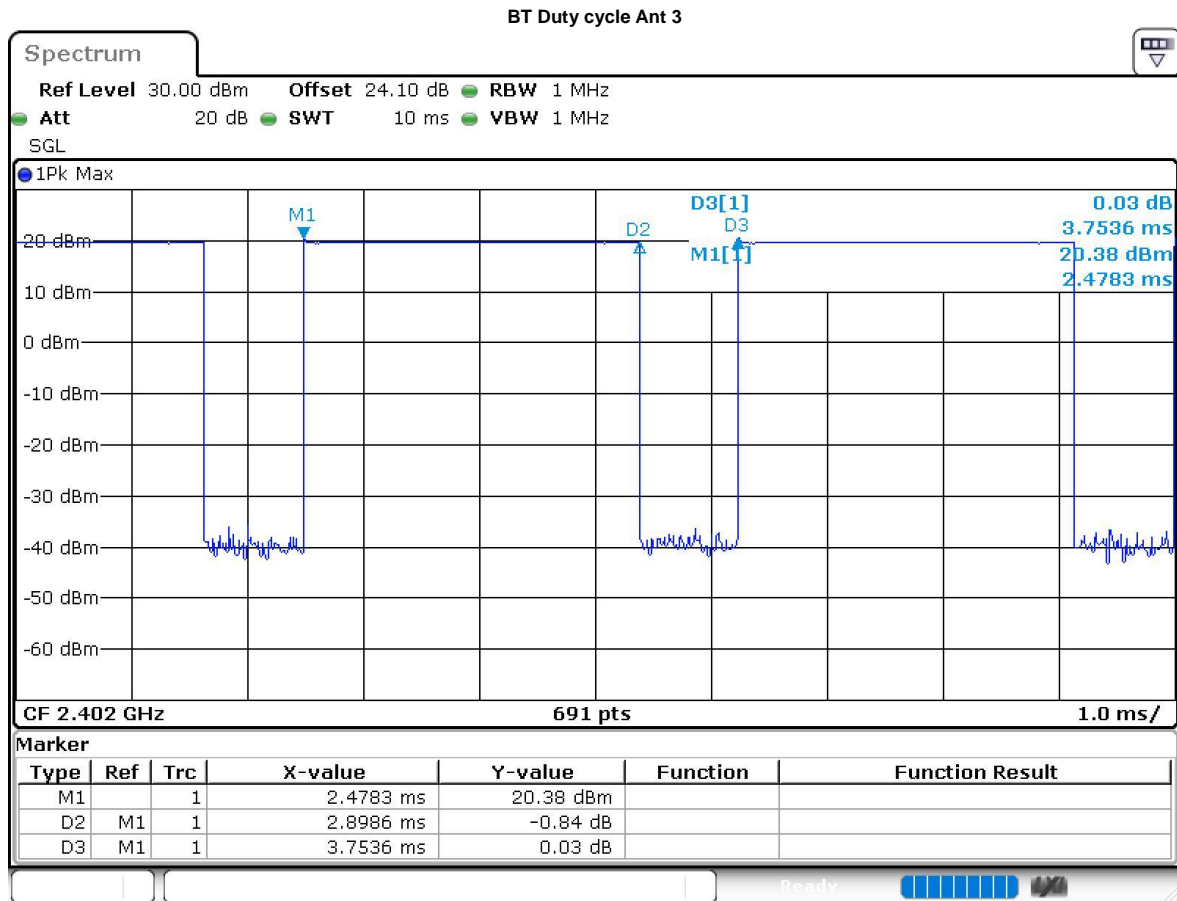
BT Duty cycle Ant 4





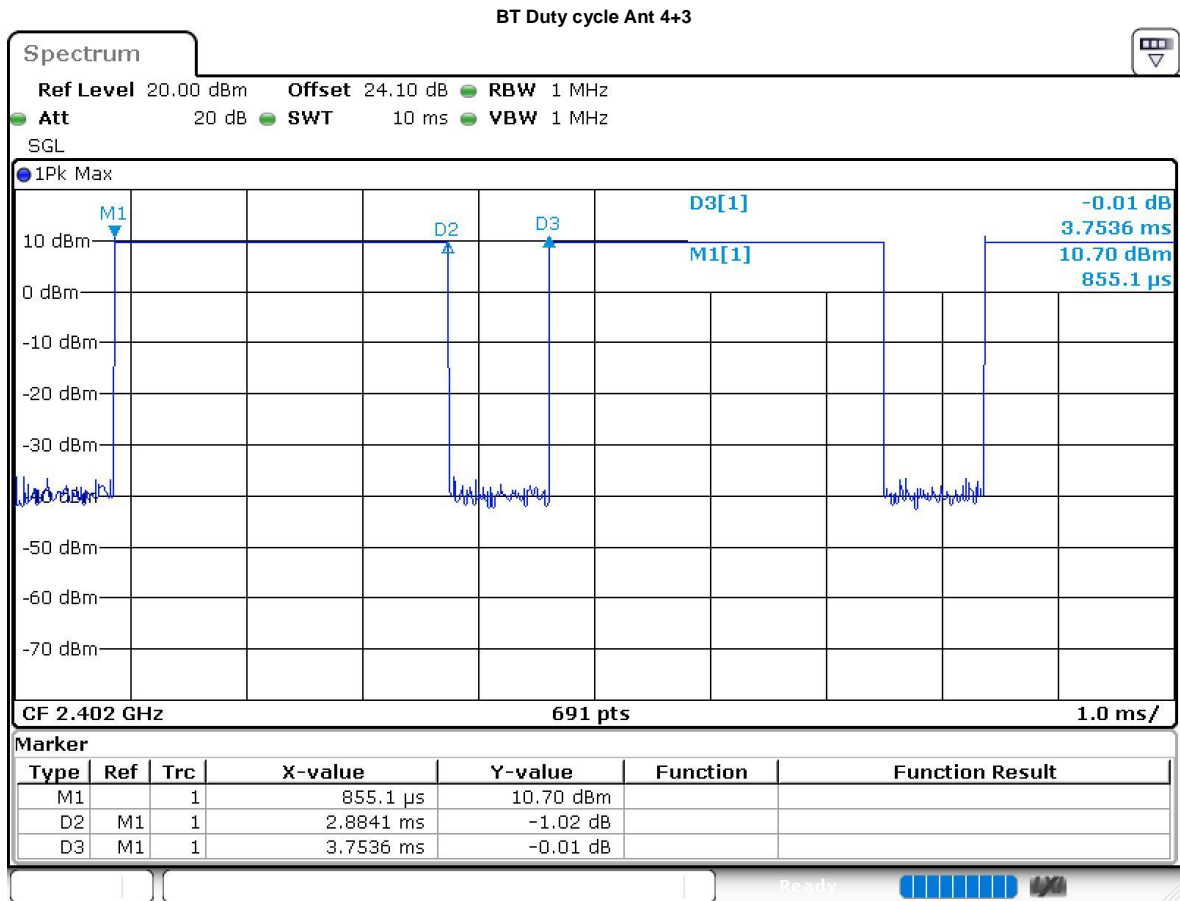
Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	18.05	Not Required	Not Required
	CH 39	2441	18.35		
	CH 78	2480	18.15		
Tune-up Limit			20	18.5	18.5

Mode	Channel	Frequency (MHz)	Ant 3	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	Not Required	Not Required
	CH 19	2440		
	CH 39	2480		
Tune-up Limit			20	18.5



			Ant 4+3								
Mode	Channel	Frequency (MHz)	Average power (dBm)_Ant 4+3(4)			Average power (dBm)_Ant 4+3(3)			Average power (dBm)_Ant 4+3		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	16.07	14.52	14.61	16.33	14.53	14.58	19.21	17.54	17.61
	CH 39	2441	16.05	14.42	14.52	16.30	14.39	14.53	19.19	17.42	17.54
	CH 78	2480	16.13	14.39	14.63	16.69	15.14	15.23	19.43	17.79	17.95
Tune-up Limit			17.5	15.5	15.5	17.5	15.5	15.5	20.5	18.5	18.5

			Ant 4+3					
Mode	Channel	Frequency (MHz)	Average power (dBm)_Ant 4+3(4)		Average power (dBm)_Ant 4+3(3)		Average power (dBm)_Ant 4+3	
			1Mbps	2Mbps	1Mbps	2Mbps	1Mbps	2Mbps
LE	CH 00	2402	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
	CH 19	2440						
	CH 39	2480						
Tune-up Limit			17.5	15.5	17.5	15.5	20.5	18.5



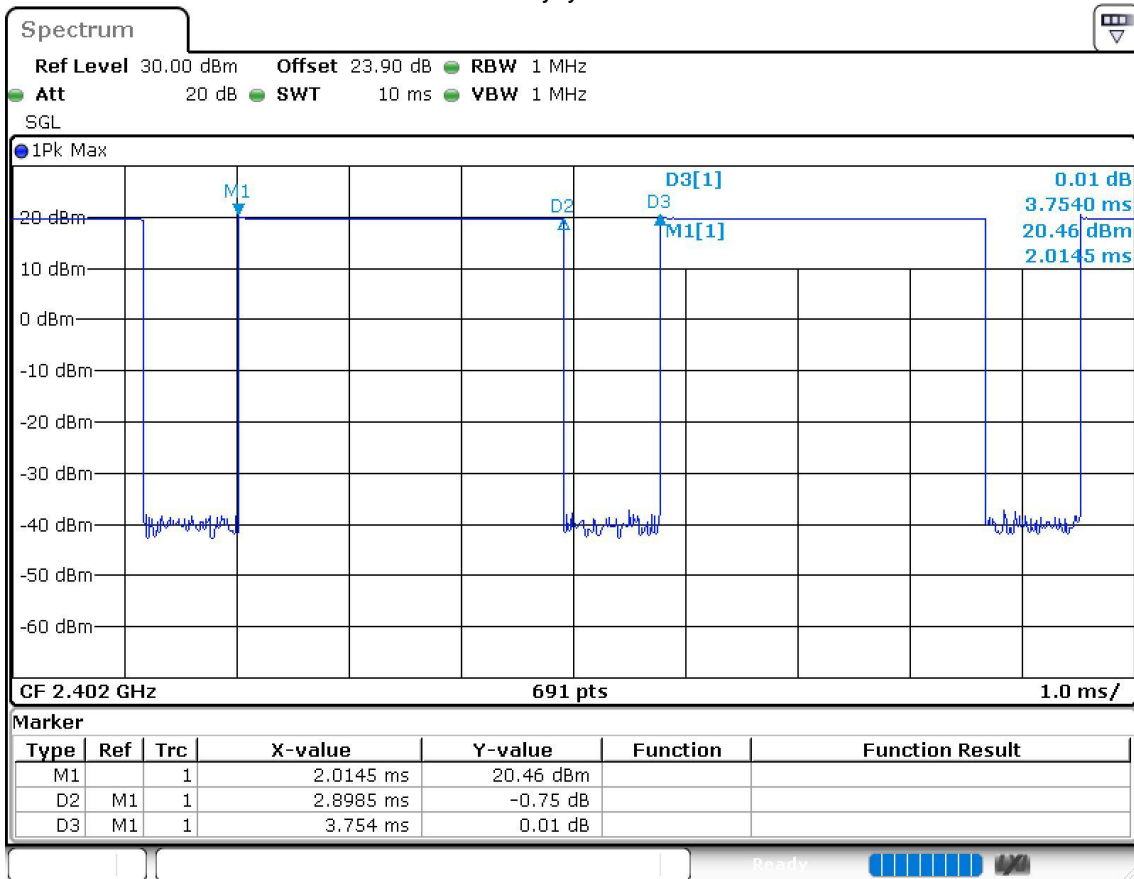


Bluetooth Power Index 4

Mode	Channel	Frequency (MHz)	Ant 4		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	16.15	Not Required	Not Required
	CH 39	2441	16.05		
	CH 78	2480	16.15		
Tune-up Limit			17	17	17

Mode	Channel	Frequency (MHz)	Ant 4	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	Not Required	Not Required
	CH 19	2440		
	CH 39	2480		
Tune-up Limit			17	17

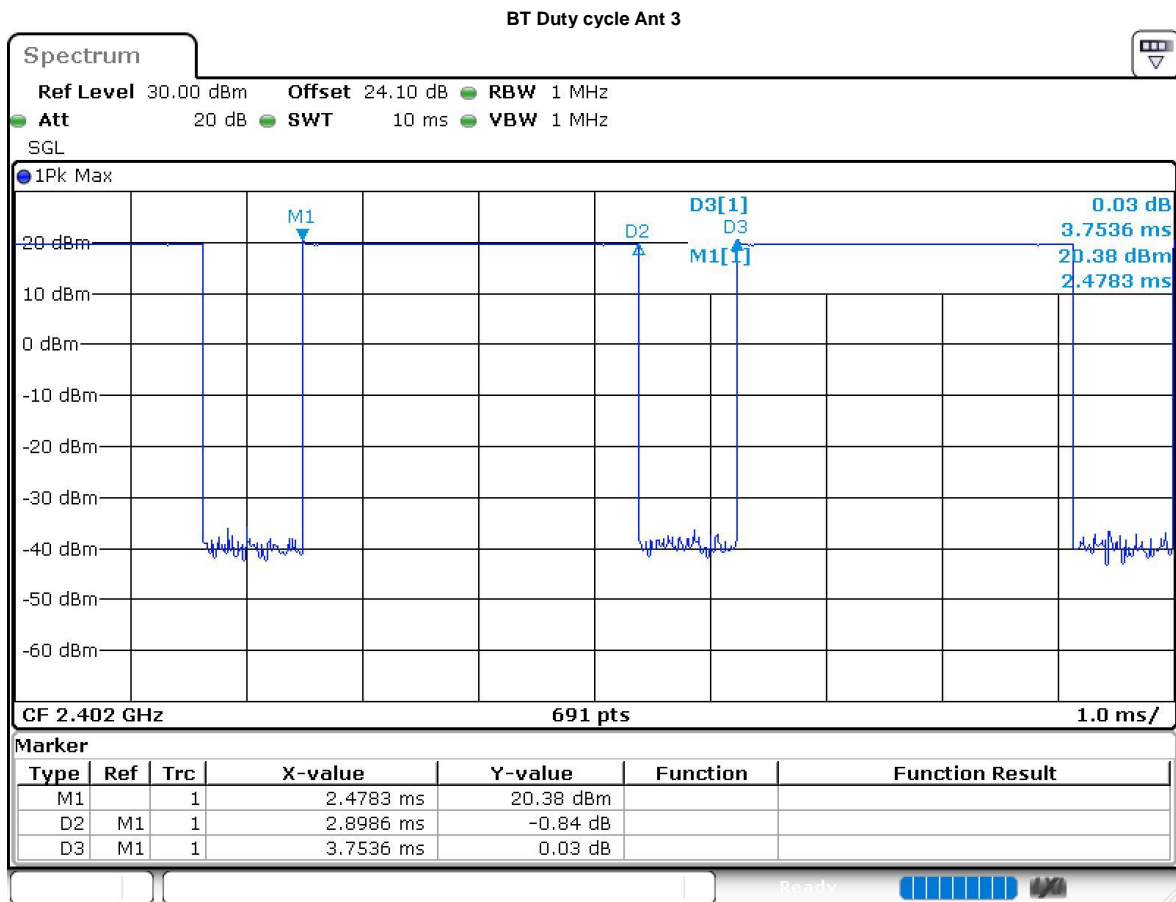
BT Duty cycle Ant 4





Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	15.65	Not Required	Not Required
	CH 39	2441	15.95		
	CH 78	2480	15.95		
Tune-up Limit			18	18	18

Mode	Channel	Frequency (MHz)	Ant 3	
			Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	Not Required	Not Required
	CH 19	2440		
	CH 39	2480		
Tune-up Limit			18	18





Mode	Channel	Frequency (MHz)	Ant 4+3								
			Average power (dBm)_Ant 4+3(4)			Average power (dBm)_Ant 4+3(3)			Average power (dBm)_Ant 4+3		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	15.11	Not Required	Not Required	15.65	Not Required	Not Required	18.40	Not Required	Not Required
	CH 39	2441	15.03			15.85			18.47		
	CH 78	2480	15.13			15.94			18.56		
Tune-up Limit			17.5	15.5	15.5	17.5	15.5	15.5	20.5	18.5	18.5

Mode	Channel	Frequency (MHz)	Ant 4+3					
			Average power (dBm)_Ant 4+3(4)		Average power (dBm)_Ant 4+3(3)		Average power (dBm)_Ant 4+3	
			1Mbps	2Mbps	1Mbps	2Mbps	1Mbps	2Mbps
LE	CH 00	2402	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
	CH 19	2440						
	CH 39	2480						
Tune-up Limit			17.5	15.5	17.5	15.5	20.5	18.5

BT Duty cycle Ant 4+3

